CITY OF FLORISSANT – MULLANPHY ROAD RESURFACING
STP-4901(650)

INVITATION FOR BIDS

Electronic submissions will be received by the City of Florissant's Engineering Division until **10:00 AM CST** on **Wednesday, September 9th, 2026**, at which time, bids will be publicly opened and read aloud at Florissant City Hall's 1st Floor Conference Room at 955 Rue St Francois, Florissant, MO 63031. Electronic submissions will be received through the City's e-Procurement Portal, OpenGov: https://procurement.opengov.com/portal/florissantmo

Bidders shall create a FREE account with OpenGov Procurement by signing up at https://procurement.opengov.com/signup. Once you have completed account registration, navigate to the City of Florissant portal, click on "Submit Response", and follow the instructions to submit the electronic bid.

The proposed Scope of Work includes grading, sidewalk installation, pavement repair, mill and overlay, entrance reconstruction, and storm sewer improvements.

Bid packages are available for download from the City of Florissant Procurement Portal website at: https://www.florissantmo.com/290/Current-Bid-Opportunities

A pre-bid conference will be held at **10:00 AM CST** on **Wednesday, September 2nd, 2026**, at 955 St. Francois Street, Florissant, Missouri, 63031. **All bidders are encouraged to attend the pre-bid meeting.**

Any questions regarding this bid must be presented in writing and posted directly on the OpenGov Procurement Project question section. Questions will not be answered outside of the OpenGov platform to ensure equal opportunity for all interested parties. The cut-off date for questions is **10:00 AM CST** on **Wednesday, September 2nd, 2026**.

All labor used in the construction of this public improvement shall be paid a wage no less than the prevailing hourly rate of wages of work of a similar character in this locality as established by the Department of Labor and Industrial Relations (Federal Wage Rate), or state wage rate, whichever is higher.

The City of Florissant is a tax-exempt entity. A project exemption certificate will be supplied to the successful contractor.

The City of Florissant hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, businesses owned and controlled by socially and economically disadvantaged individuals will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, religion, creed, sex, age, ancestry, or national origin in consideration for an award.

All bidders must be on MoDOT's Qualified Contractor List per Section 102.2 from the current version of the Missouri Standard Specifications for Highway Construction, including all revisions. The contractor questionnaire must be on file 7 days prior to bid opening

Contractors and sub-contractors who sign a contract to work on public works project provide a 10-Hour OSHA construction safety program, or similar program approved by the Department of Labor and Industrial Relations, to be completed by their on-site employees within sixty (60) days of beginning work on the construction project.

A certified or cashier's check or a bid bond in the amount of 5% shall be submitted with each proposal.

The DBE Goal for this letting is **0%** of the total contract amount.

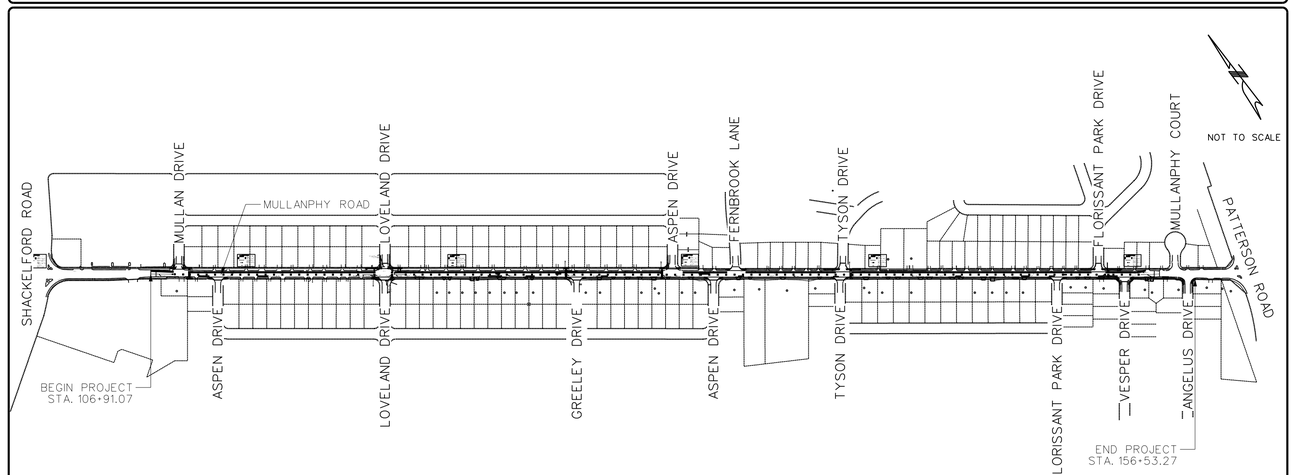
The City of Florissant shall award based on the lowest, responsive, responsible bidder. The City of Florissant reserves the right to reject any or all bids.

CONSTRUCTION PLANS
MULLANPHY ROAD RESURFACING
FEDERAL PROJECT NO. STP-4901(650)

GENERAL LEGEND

DESCRIPTION	SYMBOLOGY
RIGHT-OF-WAY NEW	
RIGHT-OF-WAY EXISTING	
PROPERTY LINE	
UNDERGROUND UTILITY (TYPE SPECIFIED) T-TELEPHONE/CATV G-GAS W-WATER E-ELECTRIC	
CONSTRUCTION LIMITS	
TREE OR SHRUB (DESIGNATE DIA. & TYPE)	
TREE/VEGETATION LINE	
FENCE (DESIGNATE TYPE)	
GUARDRAIL	
RAILROAD	
SIGN	
PERMANENT DRAINAGE EASEMENT	PDE
PERMANENT SIDEWALK EASEMENT	PSE
TEMPORARY SLOPE AND CONSTRUCTION LICENSE	TSCL
PERMANENT PEDESTRIAN EASEMENT AND TRAFFIC SIGNAL EASEMENT	PPETSE
PERMANENT FOOTING EASEMENT	PFE
PERMANENT ROADWAY IMPROVEMENT, MAINTENANCE AND UTILITY EASEMENT	PRIMUE
PERMANENT ROADWAY IMPROVEMENT, MAINTENANCE AND UTILITY SIDEWALK AND SEWER EASEMENT	PRIMUSSE
PERMANENT RETAINING WALL EASEMENT	PRWE
TO BE REMOVED	(TBR)
TO BE ABANDONED	(TBA)
USE IN PLACE	(UIP)
TO BE REMOVED AND REPLACED	(TBR&R)
TO BE REMOVED AND REPLACED BY OTHERS	(TBR&RBO)
ADJUST TO GRADE	(ATG)
ADJUST TO GRADE BY OTHERS	(ATGBO)
TO BE ABANDONED AND FILLED	(TBA&F)

PROJECT LIMITS



INDEX OF SHEETS

SHEET NUMBER	DESCRIPTION
1	TITLE AND INDEX SHEET
2 - 3	TYPICAL SECTIONS
4	ALIGNMENT SHEET
5	SUMMARY OF QUANTITIES
6-13	DETAILED QUANTITIES
14	REFERENCE TIES
15-20	ROADWAY PLANS
21-25	RIGHT-OF-WAY SHEETS
27-39	CURB RAMP/WARPING SHEETS
40	RETAINING WALL DETAIL SHEET
41-49	TRAFFIC CONTROL SHEETS
50	EROSION CONTROL SHEETS
51-56	SIGNING/STRIPING SHEETS
57	PIPE PROFILE/DRAINAGE NOTES
58-83	CROSS SECTIONS
84-97	DRIVEWAY CROSS SECTIONS

PROJECT SPECIFIC INFORMATION

PROJECT BENCHMARK:
ST. LOUIS COUNTY BENCHMARK 4097, ELEVATION=545.55 (NAVD88)
"L" ON THE NORTHEAST CORNER OF THE BOTTOM OF SIX STEPS, AT THE ENTRANCE TO THE EAST SIDE OF BAPTIST CHURCH AT #1185 MULLANPHY ROAD; ON THE SOUTHWEST CORNER OF SHACKELFORD ROAD AND MULLANPHY ROAD.

STORMWATER MANAGEMENT FUTURE LAND DISTURBANCE NOTE:

PROJECT DISTURBANCE = 0.86 ACRES
PROJECT RUNOFF DIFFERENTIAL = +0.64 CFS

ANY FUTURE LAND DISTURBANCE AND/OR INCREASE IN IMPERVIOUS AREA ON THIS SITE MAY REQUIRE ADDITIONAL STORMWATER MANAGEMENT PER MSD REGULATIONS IN PLACE AT THAT TIME (INCLUDING TOTAL LAND DISTURBANCE AND/ORIMPERVIOUSNESS ADDED ON THIS PLAN).

PREVAILING WAGE NOTE:
NOTICE TO CONTRACTOR: THIS PROJECT INCLUDES CONSTRUCTION OF GREEN INFRASTRUCTURE OR RELOCATION, ALTERCATION, OR RECONSTRUCTION OF EXISTING MSD FACILITIES. IN ACCORDANCE WITH THE MSD GREEN INFRASTRUCTURE PROGRAM AND MSD RESOLUTION 3263, THE DISTRICT REQUIRES THE WAGE RATE TO BE AT LEAST EQUAL TO THE MISSOURI PREVAILING WAGE RATE AT THE TIME OF CONSTRUCTION START. AN AFFIDAVIT CERTIFYING THAT THE MISSOURI PREVAILING WAGE RATE AT THE TIME OF CONSTRUCTION START HAS BEEN PAID FOR ALL WORK RELATED TO GREEN INFRASTRUCTURE OR RELOCATION, ALTERATION, OR RECONSTRUCTION OF EXISTING MSD FACILITIES IS REQUIRED PRIOR TO MSD CONSTRUCTION APPROVAL OF THIS PROJECT.

DESIGN CRITERIA

FUNCTIONAL CLASSIFICATION:	PRINCIPAL ARTERIAL
DESIGN YEAR:	2040
CURRENT ADT (YEAR):	5,376 (2020)
DESIGN ADT (YEAR):	6,824 (2040)
DIRECTIONAL DISTRIBUTION (D) =	N/A
TRUCK PERCENTAGE (T) =	N/A
DESIGN SPEED (V) =	30 MPH
POSTED SPEED (V) =	25 MPH

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

LENGTH OF PROJECT

MULLANPHY ROAD

BEGINNING OF PROJECT	STA.	106+91.07	
END OF PROJECT	STA.	156+53.27	
APPARENT LENGTH		4,962.20	FEET
EQUATIONS AND EXCEPTIONS		0.00	FEET
TOTAL CORRECTIONS		0.00	FEET
NET LENGTH OF PROJECT		4,962.20	FEET
STATE LENGTH		0.94	MILES
FEDERAL LENGTH		0.94	MILES

MSD CERTIFICATION

THE EXISTING SEWER LENGTHS, SIZES, FLOWLINES, DEPTHS OF STRUCTURES AND SEWERS AND LOCATIONS WITH RESPECT TO EXISTING OR PROPOSED EASEMENTS HAVE BEEN MEASURED. THE RESULTS OF THOSE MEASUREMENTS ARE SHOWN ON THIS SET OF FINAL MEASUREMENT PLANS. SINCE THE WYE LOCATIONS HAVE BEEN PLOTTED FROM INFORMATION PROVIDED BY THE SEWER CONTRACTOR OR OTHER SOURCES, I DISCLAIM ANY RESPONSIBILITY FOR THAT SPECIFIC INFORMATION.

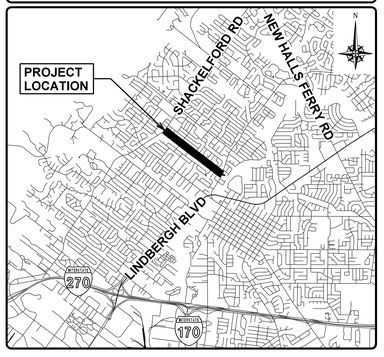
ALL PUBLIC SEWERS ARE LOCATED WITHIN DISIGNATED EXISTING OR PROPOSED EASEMENTS EXCEPT AS FOLLOWS:

SIGNED
P.E.

DATE

IT SHOULD BE UNDERSTOOD THAT THIS SIGNATURE AND SEAL APPLY ONLY TO THE AFOREMENTIONED FINAL MEASUREMENTS

LOCATOR MAP



CITY OF FLORISSANT
DEPARTMENT OF PUBLIC WORKS
955 RUE ST FRANCOIS
FLORISSANT, MISSOURI 63031

STANDARD SPECIFICATIONS

UNLESS OTHERWISE NOTED, ALL WORK ON THIS PROJECT SHALL BE COVERED BY THE ST. LOUIS COUNTY STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND BY APPLICABLE ST. LOUIS COUNTY STANDARD DRAWINGS.

UTILITY NOTE

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS: AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

M.S.D. P-NUMBER:	24MSD-00286
M.S.D. BASE MAP:	07J, 07K
REVIEW ENGINEER:	MARIAH MANIS
APPROVAL DATE:	APRIL 24, 2026

APPROVED:
Jason Timme
Director of Public Works

DATE: APRIL 27, 2026

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to the sheet, and I hereby disclaim any responsibility for all other Contract Documents, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
08/12/2026 1:09:33 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 8/11/2026

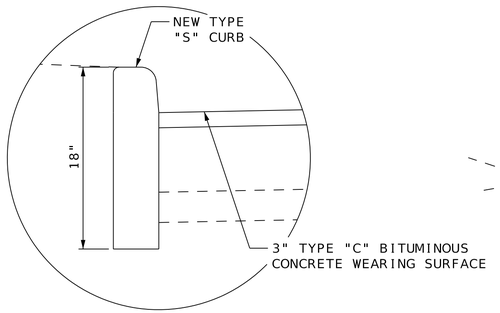
PREPARED BY:
HRGreen
131 MARYVILLE CENTRE DRIVE, STE. 150, ST. LOUIS, MO 63141
PHONE: 314.579.0900 FAX: 314.579.0909
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

TITLE SHEET

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 1 OF 97

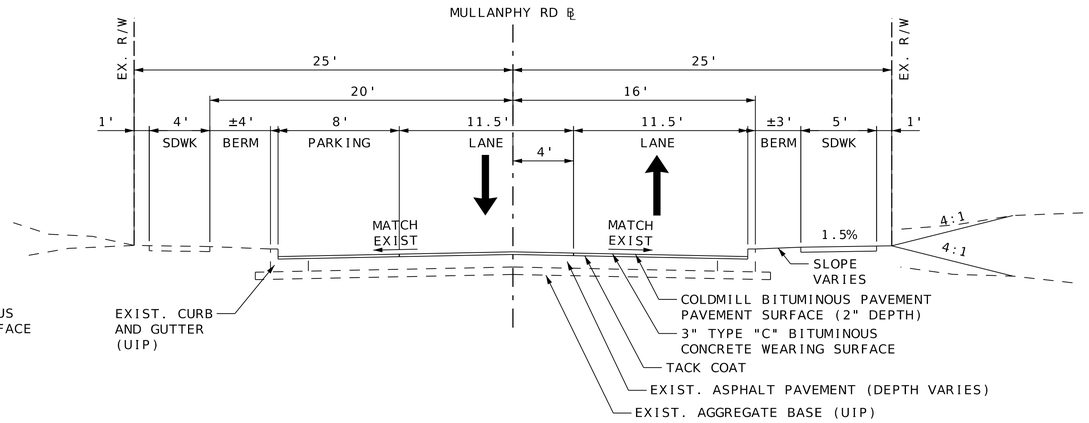
\\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-01-TitleSheet.dgn 2:18:59 PM 8/11/2026



DETAIL 3-TYPE S CURB

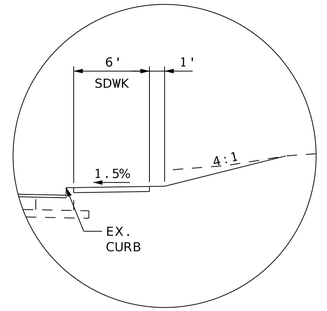
STA. 117+10.03 TO STA. 119+17.39
STA. 138+91.76 TO STA. 140+58.06
STA. 151+14.99 TO STA. 152+80.94

NTS



TYPICAL SECTION MULLANPHY ROAD

MILL AND OVERLAY
STA 132+94.69 TO STA. 154+84.37
SIDEWALK RECONSTRUCTION
STA 154+84.37 TO STA 156+53.27



DETAIL 1-SIDEWALK AT BACK OF CURB

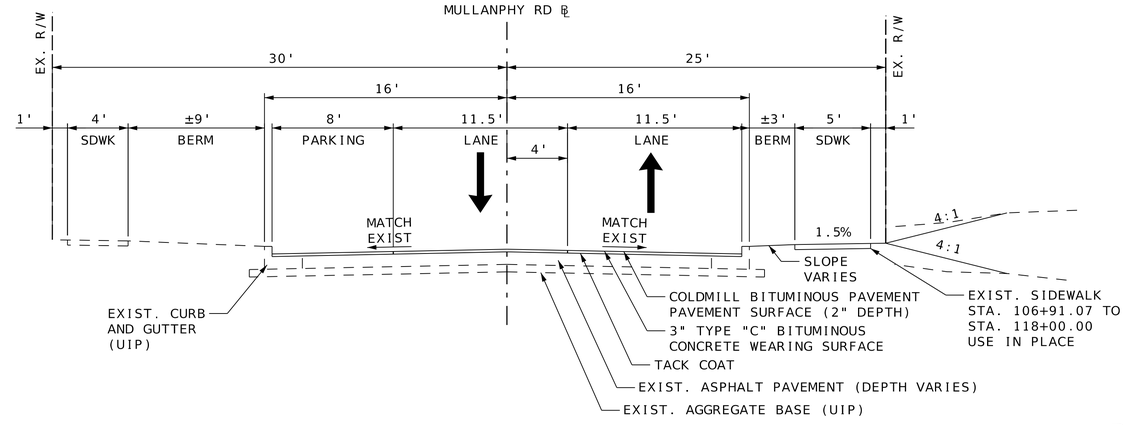
STA. 122+03.73 TO STA. 122+54.64

NOTES:

1. DO NOT SCALE DRAWING. FOLLOW DIMENSIONS SHOWN.

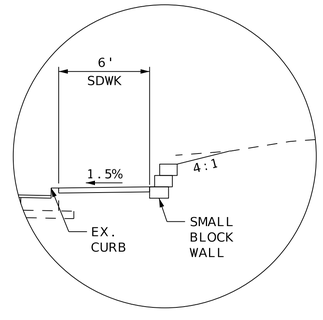
2. THE TYPICAL SECTIONS ARE INTENDED TO PROVIDE GUIDANCE AS TO THE LIMITS OF THE MILLING AND OVERLAY OPERATIONS. THE PAVEMENT MATERIALS AND DEPTHS SHOWN WERE PLOTTED FROM EXISTING RECORDS AND MAY DIFFER FROM ACTUAL FIELD CONDITIONS. CONTRACTOR SHALL TAKE APPROPRIATE MEASURES DURING MILLING OPERATIONS TO ENSURE PAVEMENT CROSS SLOPE DRAINS TOWARD CURB AS DIRECTED BY THE ENGINEER.

3. THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



TYPICAL SECTION MULLANPHY ROAD

MILL AND OVERLAY
STA 106+91.07 TO STA. 132+94.69



DETAIL 2-SIDEWALK AT BACK OF CURB WITH SMALL BLOCK WALL

STA. 121+30.83 TO STA. 122+03.73

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to the sheet(s) and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part or parts of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:10:10 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
120 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.432.0550 WWW.HRGREEN.COM
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

TYPICAL SECTIONS (SHEET 1 OF 2)

DESIGNED:
M. SCHNEIDER

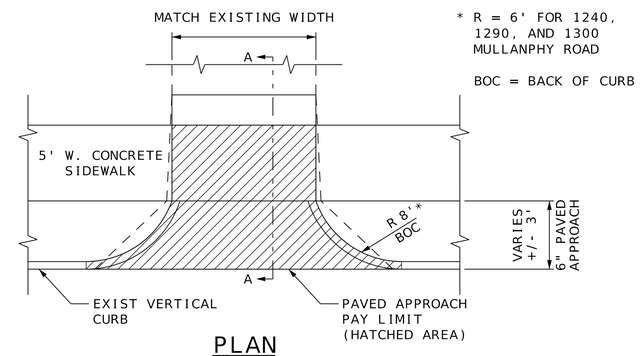
DRAWN:
M. SCHNEIDER

CHECKED:
A. DAVIS

SHEET SEQUENCE:
2 OF 97

MULLANPHY ROAD
INVESTIGATIVE CORE DRILLING REPORT

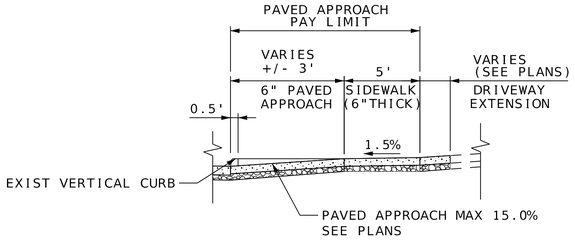
CORE NO.	LOCATION	DESCRIPTION
1	1600 MULLANPHY ROAD	10" BITUMINOUS PAVEMENT ON AN AGGREGATE BASE. TOTAL PAVEMENT THICKNESS - 10"
2	1525 MULLANPHY ROAD	7" BITUMINOUS PAVEMENT ON AN AGGREGATE BASE. TOTAL PAVEMENT THICKNESS - 7"
3	1420 MULLANPHY ROAD	7" BITUMINOUS PAVEMENT ON AN AGGREGATE BASE. TOTAL PAVEMENT THICKNESS - 7"
4	1335 MULLANPHY ROAD	6" BITUMINOUS PAVEMENT ON AN AGGREGATE BASE. TOTAL PAVEMENT THICKNESS - 6"
5	1220 MULLANPHY ROAD	7" BITUMINOUS PAVEMENT ON AN AGGREGATE BASE. TOTAL PAVEMENT THICKNESS - 7"
6	1065 MULLANPHY ROAD	9" BITUMINOUS PAVEMENT ON AN AGGREGATE BASE. TOTAL PAVEMENT THICKNESS - 9"
7	920 MULLANPHY ROAD	6" BITUMINOUS PAVEMENT ON AN AGGREGATE BASE. TOTAL PAVEMENT THICKNESS - 6"
8	825 MULLANPHY ROAD	9.5" BITUMINOUS PAVEMENT ON AN AGGREGATE BASE. TOTAL PAVEMENT THICKNESS - 9.5"
9	720 MULLANPHY ROAD	7" BITUMINOUS PAVEMENT ON AN AGGREGATE BASE. TOTAL PAVEMENT THICKNESS - 7"
10	605 MULLANPHY ROAD	7" BITUMINOUS PAVEMENT ON AN AGGREGATE BASE. TOTAL PAVEMENT THICKNESS - 7"



PLAN

* R = 6' FOR 1240, 1290, AND 1300 MULLANPHY ROAD

BOC = BACK OF CURB

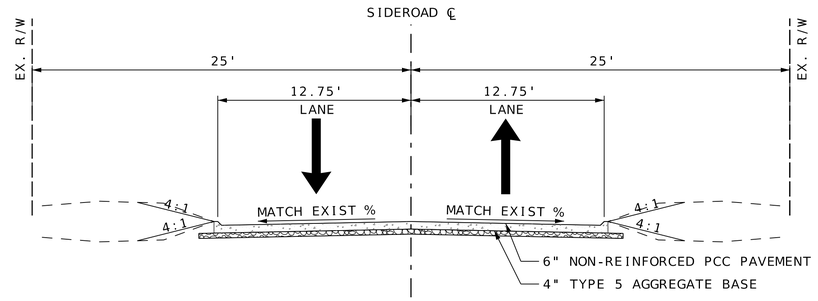


SECTION A-A

DETAIL 4-RESIDENTIAL PAVED APPROACH

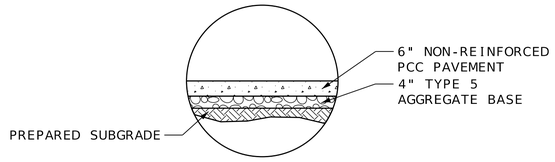
NOTES:

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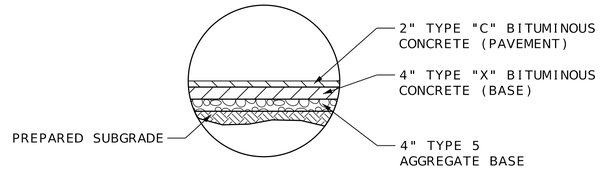
TYPICAL SECTION SIDEROADS

CONCRETE PAVEMENT
ASPEN DR - STA 499+61.83 TO STA 499+84.03
TYSON DR - STA 899+49.11 TO STA 899+90.50
FLORISSANT PARK DR - STA 1099+50.00 TO STA 1099+90.50



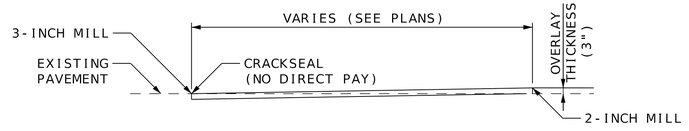
DETAIL 5-CONCRETE PAVED APPROACH AND DRIVEWAY EXTENSION

NTS



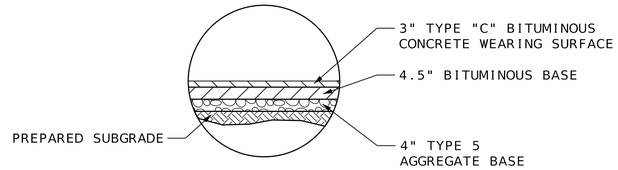
DETAIL 6-ASPHALT DRIVEWAY EXTENSION

NTS



DETAIL 7-TRAVELED WAY BUTT JOINT VARIABLE LENGTH TRANSITION (13.5-25 FT.)

NTS



DETAIL 8-FULL DEPTH PAVEMENT REPAIR

NTS

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY: I hereby certify that the documents intended to be authorized by my seal are limited to the work, and I hereby disclaim any responsibility for all other Documents, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part or parts of the engineering project or survey

STATE OF MISSOURI — ANDREA S. DAVIS PE-2018021250 — PROFESSIONAL ENGINEER

Andrea S. Davis
04/21/2026 4:10:13 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY: HRGreen — 10 SOUTH BROADWAY, SUITE 1000, ST. LOUIS, MO 63102 — 314.241.1015 — HRGREEN.COM
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

TYPICAL SECTIONS (SHEET 2 OF 2)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 3 OF 97
BRIDGE SHEET NO.: OF

REV.

ALIGNMENT INFORMATION								
ELEMENT	POINT TYPE	STATION	NORTHING	EASTING	RADIUS	LENGTH	DELTA/ THETA	ROTATION DIRECTION
ALIGNMENT NAME: MULLANPHY ROAD								
TANGENT	START	100+00.00	1085536.1678	863788.3012				
TANGENT	PI	133+00.00	1083522.1072	866402.4091		3300.00	S52*23'14"E	
TANGENT	END	160+00.00	1081875.0780	868541.8704		2700.00	S52*24'35"E	
ALIGNMENT NAME: MULLAN DRIVE								
TANGENT	START	97+91.81	1085197.5828	864568.8690				
TANGENT	END	100+00.00	1085032.6676	864441.8088		208.19	S37*36'46"W	
ALIGNMENT NAME: ASPEN DRIVE SOUTH 1								
TANGENT	START	200+00.00	1084919.5112	864588.6777				
TANGENT	END	202+35.00	1084733.3567	864445.2535		235.00	S37*36'46"W	
ALIGNMENT NAME: LOVELAND DRIVE								
TANGENT	START	297+92.00	1084600.2002	865343.9213				
TANGENT	END	302+35.00	1084249.2777	865073.5503		443.00	S37*36'46"W	
ALIGNMENT NAME: GREELEY DRIVE								
TANGENT	START	400+00.00	1083879.1608	865938.9789				
TANGENT	END	402+35.00	1083693.0046	865795.5534		235.00	S37*36'46"W	
ALIGNMENT NAME: ASPEN DRIVE NORTH								
TANGENT	START	494+10.35	1084067.2725	866660.9471				
TANGENT	END	500+00.00	1083601.7000	866299.1033		589.65	S37*51'16"W	
ALIGNMENT NAME: ASPEN DRIVE SOUTH 2								
TANGENT	START	600+00.00	1083482.6095	866453.7160				
TANGENT	END	602+34.98	1083296.3449	866310.4594		234.98	S37*33'50"W	
ALIGNMENT NAME: FERNBROOK								
ARC	START/PC	696+10.22	1083740.9042	866755.4675				
ARC	HPI	696+95.08	1083673.8762	866703.4264				
ARC	CC		1083010.7203	867695.9313	1190.65	169.43	08*09'12"	LEFT
ARC	PRC	697+79.65	1083600.1450	866661.4173				
ARC	PRC	697+79.65	1083600.1578	866661.4246				
ARC	HPI	698+67.50	1083523.8061	866617.9820				
ARC	CC		1084225.4755	865562.4083	1264.46	175.41	07*56'54"	RIGHT
ARC	PT	699+55.06	1083454.1950	866564.3990				
TANGENT	PT	699+55.06	1083454.1412	866564.3576				
TANGENT	END	700+00.00	1083418.5354	866536.9471		44.93	S37*35'25"W	
ALIGNMENT NAME: TYSON DRIVE SOUTH								
TANGENT	START		1083229.2158	867035.4387				
TANGENT	END		1083107.5421	866940.9218		214.55	S37*29'25"W	
ALIGNMENT NAME: TYSON DRIVE NORTH								
TANGENT	START		1082487.1829	867746.7572				
TANGENT	END		1082318.3700	867617.2679		154.07	S37*50'25"W	
ALIGNMENT NAME: FLORISSANT PARK SOUTH								
TANGENT	START		1082485.6108	867995.4743				
TANGENT	END		1082366.8699	867903.0416		212.76	S37*29'25"W	
ALIGNMENT NAME: FLORISSANT PARK NORTH								
TANGENT	START		1082485.6108	867995.4743				
TANGENT	END		1082366.8699	867903.0416		150.48	S37*53'55"W	
ALIGNMENT NAME: VESPER DRIVE								
TANGENT	START		1082290.9191	868001.7004				
TANGENT	END		1081740.4413	867577.4135		695.01	S37*37'25"W	
ALIGNMENT NAME: ANGELUS DRIVE								
TANGENT	START		1082107.9471	868239.3776				
TANGENT	END		1081562.3598	867818.8601		688.84	S37*37'25"W	

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S. Davis
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MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen®
520 MAXWELL (CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141)
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD
RESURFACING

ALIGNMENT SHEET
(SHEET 1 OF 1)

DESIGNED:
M. SCHNEIDER

DRAWN:
M. SCHNEIDER

CHECKED:
A. DAVIS

SHEET SEQUENCE:
4 OF 97

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SUMMARY OF QUANTIITES - MULLANPHY ROAD				
ITEM NO.	JSP	DESCRIPTION	UNIT	QUANTITY
ROADWAY ITEMS				
201-20.10		CLEARING AND GRUBBING	LS	1
201-20.11	R	CLEARING VEGETATION FROM PEDESTRIAN ACCESS ROUTE	LS	1
202-20.10	K	REMOVAL OF IMPROVEMENTS	LS	1
207-20.00		LINEAR GRADING, CLASS 2	STA	44.9
304-05.04		TYPE 5 AGGREGATE BASE (4" THICK)	SY	431
405-30.10		TYPE "C" BITUMINOUS CONCRETE (PAVEMENT)	TON	2776.8
405-30.25	O	ASPHALT PAVEMENT REPAIR, (FULL DEPTH)	SY	476.6
405-30.30		TYPE "X" BITUMINOUS CONCRETE (BASE)	TON	3.4
407-10.10		TACK-LIQUID ASPHALT	GAL	1710
412-10.02		PAVEMENT SURFACING AND TEXTURING (0" TO 2"), CONCRETE OR ASPHALT	SY	17095
502-11.06		CONCRETE PAVEMENT (6" NON-REINFORCED)	SY	165.1
502-11.07		CONCRETE PAVEMENT (7" NON-REINFORCED)	SY	316.0
604-12.01	X	SINGLE CURB INLET, UNTRAPPED	EA	2
604-20.20	X	ADJUSTING BASIN OR INLET	EA	4
604-20.26	X	ADJUST GRATE INLET TO GRADE	EA	14
604-20.30	X	ADJUSTING MANHOLE TO GRADE	EA	12
604-25.40	X	CONVERT INLET TO MANHOLE AND ADJUST TO GRADE	EA	2
608-50.06		PAVED DRIVEWAY APPROACH (6" THICK)	SY	685.9
609-10.10		CONCRETE CURB, TYPE "S"	LF	693
609-20.11		INTEGRAL CURB (6" HEIGHT AND UNDER)	LF	319
612-30.15	L	TEMPORARY TRAFFIC CONTROL	LS	1
619-00.00		MOBILIZATION	LS	1
622-10.00		TEMPORARY PAVEMENT MARKING PAINT	LS	1
627-40.00	J	CONTRACTOR FURNISHED SURVEYING & STAKING	LS	1
703-90.10	Y	MODULAR BLOCK WALL (H<4')	SF	79
803-10.00	BB	SODDING	SY	1556
805-40.00		SITE RESTORATION (ROADWAY PROJECTS)	LS	1
806-45.10		INLET PROTECTION DEVICE, SINGLE UNIT - GRAVEL FILTER BAG	EA	29
806-45.13		INLET PROTECTION DEVICE, DOUBLE UNIT - GRAVEL FILTER BAG	EA	4
806-70.00		SILT FENCE	LF	300
STRIPING ITEMS				
620-60.00D	EE	4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL TYPE P BEADS)	LF	4215
620-60.01D	EE	4 IN. YELLOW CLASS 1 PAVEMENT MARKING PAINT (18-MIL TYPE P BEADS)	LF	2061
620-00.15	EE	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN., WHITE	LF	217
SIGNING ITEMS				
903-12.50A	DD	U-CHANNEL POST, 3 LB	LF	651.5
903-50.04A	DD	SH-FLAT SHEET	SF	288.4
PEDESTRIAN ITEMS				
608-60.04		CONCRETE SIDEWALK (4" THICK)	SY	2564.2
608-60.08		CONRETE SIDEWALK, CURB RAMP	EACH	41

COUNTY PROJECT NO.
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E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

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Andrea S. Davis - Civil
MO PE-2018021250

DATE: 6/11/2026

PREPARED BY:
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ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD
RESURFACING

QUANTITIES
(SHEET 1 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 5 OF 97

REMOVALS

SHEET	STATION	STATION	SIDE	ROUTE	EACH	LF	SY	ITEM EA
15	104+87.09		RT	MULLANPHY	1			METRO BUS SIGN & POST
15	104+96.99		LT	MULLANPHY	1			METRO BUS SIGN & POST
15	106+96.74		RT	MULLANPHY	1			SPEED LIMIT SIGN & POST
15	107+70.81		RT	MULLANPHY	1			SIGN POST
15	107+81.92	108+10.72	LT	MULLANPHY			19.3	SIDEWALK
15	108+09.87		LT	MULLANPHY	1			STOP SIGN & POST
15	108+15.50		RT	MULLANPHY	1			STOP FOR PEDESTRIAN SIGN & POST
15	108+39.88	108+87.15	LT	MULLANPHY			25.9	SIDEWALK
15	108+62.15	108+87.15	RT	MULLANPHY			10.4	SIDEWALK
15	108+69.04		LT	MULLANPHY	1			STOP FOR PEDESTRIAN SIGN & POST
15	109+63.00	109+85.86	RT	MULLANPHY			8.7	SIDEWALK
15	110+33.75		RT	MULLANPHY	1			STOP SIGN & POST
15	110+34.30	110+58.82	RT	MULLANPHY			9.5	SIDEWALK
16	111+75.23		RT	MULLANPHY	1			NO PARKING SIGN & POST
16	113+74.71		RT	MULLANPHY	1			NO PARKING SIGN & POST
16	114+77.24		LT	MULLANPHY	1			SPEED LIMIT SIGN & POST
16	115+69.06		RT	MULLANPHY	1			NO PARKING SIGN & POST
16	117+11.40	117+85.30	LT	MULLANPHY			39.7	SIDEWALK
16	117+23.29	117+90.45	LT	MULLANPHY			53.4	PAVEMENT
16	117+25.18		RT	MULLANPHY	1			METRO BUS SIGN & POST
16	117+39.90	117+79.23	RT	MULLANPHY			15.6	SIDEWALK
16	117+62.86		RT	MULLANPHY	1			STOP SIGN & POST
16	117+87.01		LT	MULLANPHY	1			STOP SIGN & POST
16	118+16.52	119+17.39	LT	MULLANPHY			73.3	PAVEMENT
16	118+21.56	118+86.05	LT	MULLANPHY			35.2	SIDEWALK
16	118+33.24		LT	MULLANPHY	1			STOP SIGN & POST
16	118+58.30		LT	MULLANPHY	1			METRO BUS SIGN & POST
16	118+62.79	118+79.13	LT	MULLANPHY			17.2	CONCRETE ENTRANCE
16	119+43.61	119+67.83	RT	MULLANPHY			22.5	CONCRETE ENTRANCE
16	119+67.83	119+90.01	RT	MULLANPHY			187.3	CONCRETE ENTRANCE
16	120+34.78		RT	MULLANPHY	1			NO PARKING SIGN & POST
16	120+75.01	120+93.77	RT	MULLANPHY			16.5	CONCRETE ENTRANCE
17	121+02.55	121+19.59	RT	MULLANPHY			16.2	CONCRETE ENTRANCE
17	122+05.78	122+30.43	RT	MULLANPHY			33.5	CONCRETE ENTRANCE
17	122+34.79	122+51.78	RT	MULLANPHY			18.7	CONCRETE ENTRANCE
17	122+93.51		RT	MULLANPHY	1			NO PARKING SIGN & POST
17	123+35.46	123+57.91	RT	MULLANPHY			23.3	CONCRETE ENTRANCE
17	123+59.24	123+80.19	RT	MULLANPHY			22.1	CONCRETE ENTRANCE
17	124+66.80	124+83.13	RT	MULLANPHY			13.3	CONCRETE ENTRANCE
17	124+93.07	125+11.84	RT	MULLANPHY			16.9	CONCRETE ENTRANCE
17	125+95.44	126+20.99	RT	MULLANPHY			20.4	CONCRETE ENTRANCE
17	126+56.52		RT	MULLANPHY	1			METRO BUS SIGN & POST
17	126+72.40		RT	MULLANPHY	1			STOP FOR PEDESTRIAN SIGN & POST
17	127+46.53		LT	MULLANPHY	1			METRO BUS SIGN & POST
17	128+13.45	128+36.43	RT	MULLANPHY			27.1	CONCRETE ENTRANCE
17	128+76.18		RT	MULLANPHY	1			NO PARKING SIGN & POST
17	128+80.78	128+98.59	RT	MULLANPHY			13.0	CONCRETE ENTRANCE
17	129+03.55		LT	MULLANPHY	1			SPEED LIMIT SIGN & POST
17	129+45.06	129+70.66	RT	MULLANPHY			20.7	CONCRETE ENTRANCE
17	130+03.01	130+28.58	RT	MULLANPHY			21.3	CONCRETE ENTRANCE
17	130+68.60	130+95.33	RT	MULLANPHY			31.9	CONCRETE ENTRANCE
18	131+08.62	131+50.57	LT	MULLANPHY			27.6	SIDEWALK
18	131+35.16	132+05.80	LT	MULLANPHY			115.2	ASPEN DRIVE ENTRANCE
18	131+41.05	131+57.83	RT	MULLANPHY			13.1	CONCRETE ENTRANCE
18	131+50.60		LT	MULLANPHY	1			STOP SIGN & POST
18	131+89.39	132+06.37	LT	MULLANPHY			6.5	SIDEWALK
18	132+46.67	132+69.46	RT	MULLANPHY			20.9	CONCRETE ENTRANCE
18	134+23.54	134+45.37	LT	MULLANPHY			7.9	SIDEWALK
18	134+51.56		LT	MULLANPHY	1			STOP SIGN & POST
18	134+70.26	134+96.65	RT	MULLANPHY			25.8	CONCRETE ENTRANCE
18	134+94.51	135+18.88	LT	MULLANPHY			9.2	SIDEWALK
18	135+28.75	135+48.45	RT	MULLANPHY			13.8	CONCRETE ENTRANCE
18	135+96.86		RT	MULLANPHY	1			SPEED LIMIT SIGN & POST
18	136+78.96	137+09.07	RT	MULLANPHY			25.9	CONCRETE ENTRANCE
18	137+22.12		LT	MULLANPHY	1			SPEED LIMIT SIGN & POST
18	138+07.72		RT	MULLANPHY	1			METRO BUS SIGN & POST
18	138+58.36	138+78.67	RT	MULLANPHY			15.2	CONCRETE ENTRANCE
18	138+84.44		LT	MULLANPHY	1			METRO BUS SIGN & POST
18	138+89.21	139+54.85	LT	MULLANPHY			25.0	SIDEWALK
18	138+98.67	140+58.06	LT	MULLANPHY			56.8	PAVEMENT
18	139+14.36	140+17.76	LT	MULLANPHY			184.4	TYSON DRIVE ENTRANCE
18	139+61.05		LT	MULLANPHY	1			STOP SIGN & POST
18	140+03.20	140+63.00	LT	MULLANPHY			24.8	SIDEWALK
18-19	140+74.62	141+05.89	RT	MULLANPHY			25.2	CONCRETE ENTRANCE
19	141+47.20		RT	MULLANPHY	1			NO PARKING SIGN & POST
19	141+83.91	142+04.38	RT	MULLANPHY			14.4	CONCRETE ENTRANCE
19	142+29.07	142+54.35	RT	MULLANPHY			21.0	CONCRETE ENTRANCE

REMOVALS (CONTINUED)

SHEET	STATION	STATION	SIDE	ROUTE	EACH	LF	SY	ITEM EA
19	143+34.84	143+63.89	RT	MULLANPHY			26.0	CONCRETE ENTRANCE
19	143+75.27	144+06.55	RT	MULLANPHY			25.6	CONCRETE ENTRANCE
19	144++86.41	145+12.64	RT	MULLANPHY			22.6	CONCRETE ENTRANCE
19	145+26.39	145+54.52	RT	MULLANPHY			22.1	CONCRETE ENTRANCE
19	146+34.92	146+60.33	RT	MULLANPHY			28.4	CONCRETE ENTRANCE
19	146+77.27	147+04.69	RT	MULLANPHY			39.8	CONCRETE ENTRANCE
19	147+84.95	148+15.02	RT	MULLANPHY			24.6	CONCRETE ENTRANCE
19	148+27.69	148+55.81	RT	MULLANPHY			27.6	CONCRETE ENTRANCE
19	149+45.05		RT	MULLANPHY	1			STOP FOR PEDESTRIAN SIGN, NO PARKING SIGN, & POST
19-20	150+86.41	151+04.26	RT	MULLANPHY			12.8	CONCRETE ENTRANCE
20	151+09.99	151+69.43	LT	MULLANPHY			25.6	SIDEWALK
20	151+14.99	152+79.22	LT	MULLANPHY			82.7	PAVEMENT
20	151+26.18	151+55.71	RT	MULLANPHY			23.9	CONCRETE ENTRANCE
20	151+55.75	152+29.75	LT	MULLANPHY			146.7	FLORISSANT PARK DRIVE ENTRANCE
20	151+84.68		RT	MULLANPHY	1			SIGN POST
20	151+86.96	152+99.35	RT	MULLANPHY			51.1	SIDEWALK
20	151+94.06	152+23.69	RT	MULLANPHY			23.5	CONCRETE ENTRANCE
20	152+15.12	153+03.94	LT	MULLANPHY			37.9	SIDEWALK
20	152+81.99	152+99.29	LT	MULLANPHY			11.0	CONCRETE ENTRANCE
20	153+35.82		RT	MULLANPHY	1			STOP SIGN & POST
20	153+36.76	154+18.09	RT	MULLANPHY			41.7	SIDEWALK
20	154+13.13	154+31.16	RT	MULLANPHY			19.7	CONCRETE ENTRANCE
20	154+27.78	154+44.26	RT	MULLANPHY			6.9	SIDEWALK
20	154+14.18	154+59.81	RT	MULLANPHY			25.3	CONCRETE ENTRANCE
20	154+53.74	155+99.16	RT	MULLANPHY			71.9	SIDEWALK
20	154+99.18	155+28.87	RT	MULLANPHY			22.7	CONCRETE ENTRANCE
20	156+00.78		LT	MULLANPHY	1			METRO BUS SIGN & POST
20	156+35.64		RT	MULLANPHY	1			STOP SIGN & POST
20	156+36.58	158+20.95	RT	MULLANPHY			79.9	SIDEWALK
20	156+44.09		LT	MULLANPHY	1			SPEED LIMIT SIGN & POST

202-22.10 REMOVAL OF IMPROVEMENTS 1 LUMP SUM

LISTING OF ITEM REMOVALS IS FOR INFORMATION ONLY AND IS NOT ASSUMED TO BE ALL ENCOMPASSING. ALL REMOVALS ARE INCLUDED IN THE LUMP SUM QUANTITY FOR REMOVAL OF IMPROVEMENTS.

TYPE 5 AGGREGATE BASE

DESCRIPTION	304-05.04 TYPE 5 AGGREGATE BASE (4 IN. THICK) SY	REMARKS
FOR CONCRETE PAVEMENT	316	SEE CONCRETE PAVEMENT TABLE
FOR CONCRETE ENTRANCES	114.6	SEE ENTRANCES TABLE
SUBTOTAL	430.6	
PAY TOTAL	431	

201-20.10	CLEARING AND GRUBBING	1 LUMP SUM
201-20.11	CLEARING VEGETATION FROM PEDESTRIAN ACCESS ROUTE	1 LUMP SUM
619-00.00	MOBILIZATION	1 LUMP SUM
627-40.00	CONTRACTOR FURNISHED SURVEYING & STAKING	1 LUMP SUM
612-30.15	TEMPORARY TRAFFIC CONTROL	1 LUMP SUM
622-10.00	TEMPORARY PAVEMENT MARKING PAINT	1 LUMP SUM
805-40.00	SITE RESTORATION (ROADWAY PROJECTS)	1 LUMP SUM

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

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MO PE-2018021250

DATE: 4/21/2026

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ANDREA S. DAVIS
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MULLANPHY ROAD RESURFACING

QUANTITIES (SHEET 2 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 6 OF 97

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UTILITY ADJUSTMENTS

SHEET	STA.	OFF.	SIDE	ROUTE	WATER VALVE ADJUST TO GRADE BY OTHERS EA	WATER METER ADJUST TO GRADE BY OTHERS EA	604-20.30 ADJUSTING MANHOLE TO GRADE SANITARY EA	604-20.30 ADJUSTING MANHOLE TO GRADE STORM EA	604-20.26 ADJUST GRATE INLET TO GRADE EA	604-20.20 ADJUSTING BASIN OR INLET EA	GAS VALVE ADJUST TO GRADE BY OTHERS EA	REMARKS
15	107+32.03	13.8	LT	MULLANPHY	1							
15	108+04.97	13.5	LT	MULLANPHY	1							
15	108+09.63	20.4	LT	MULLANPHY				1				07K2-006D
15	108+45.51	11.2	LT	MULLANPHY		1						
15	110+10.57	0.0	LT	MULLANPHY			1					07K2-006D
15	110+11.54	15.1	LT	MULLANPHY	1							
15	110+33.41	9.6	LT	MULLANPHY	1							
16	114+23.88	15.2	LT	MULLANPHY					1			07K2-007D
16	114+34.04	12.5	LT	MULLANPHY	1							
16	114+55.83	11.5	LT	MULLANPHY	1				1			
16	117+69.13	15.8	RT	MULLANPHY					1			07K2-040D
16	117+69.25	20.9	RT	MULLANPHY				1				07K2-042D
16	117+86.90	39.6	LT	MULLANPHY						1		07K2-045D
16	117+88.24	11.4	LT	MULLANPHY	1							
16	118+13.69	28.6	LT	MULLANPHY				1				07K2-043D
16	118+19.09	41.1	LT	MULLANPHY						1		07K2-046D
16	118+21.09	13.0	RT	MULLANPHY							1	
16	118+25.00	14.5	LT	MULLANPHY		1						
16	118+63.80	19.9	RT	MULLANPHY							1	
16	118+63.95	20.6	RT	MULLANPHY							1	
16	119+98.70	20.8	RT	MULLANPHY		1						
16	120+19.68	15.2	LT	MULLANPHY					1			07K2-049D
16	120+31.80	14.6	RT	MULLANPHY					1			07K2-041D
16	120+57.40	19.3	RT	MULLANPHY		1						
17	121+27.89	16.7	RT	MULLANPHY		1						
17	121+81.74	19.5	RT	MULLANPHY		1						
17	122+70.65	18.4	RT	MULLANPHY		1						
17	124+87.74	16.0	RT	MULLANPHY					1			07K2-063D
17	125+30.48	19.5	RT	MULLANPHY		1						
17	126+71.66	16.3	LT	MULLANPHY	1							
17	127+34.34	20.2	RT	MULLANPHY							1	
17	127+68.37	20.0	RT	MULLANPHY							1	
17	127+85.46	23.6	RT	MULLANPHY		1						
17	128+12.14	15.6	RT	MULLANPHY					1			07K2-143D
17	128+12.54	16.8	LT	MULLANPHY					1			07K2-144D
17	128+57.75	22.5	RT	MULLANPHY		1						
17	129+22.15	22.1	RT	MULLANPHY		1						
17	129+80.37	19.7	RT	MULLANPHY							1	
17	129+87.66	22.5	RT	MULLANPHY		1						
17	130+52.10	22.5	RT	MULLANPHY		1						
18	131+11.58	22.9	RT	MULLANPHY		1						
18	131+46.90	12.0	LT	MULLANPHY	1							
18	131+49.42	10.3	LT	MULLANPHY	1							
18	131+78.13	22.4	RT	MULLANPHY		1						
18	131+90.59	22.0	RT	MULLANPHY			1					07K2-155S
18	132+11.76	15.5	RT	MULLANPHY					1			07K2-196D
18	132+22.90	19.7	RT	MULLANPHY							1	
18	133+32.67	22.9	RT	MULLANPHY			1					07K2-156S
18	133+38.14	10.4	LT	MULLANPHY	1							
18	134+00.60	15.0	RT	MULLANPHY					1			07K2-193D
18	134+40.23	23.7	RT	MULLANPHY		1						
18	134+52.97	12.5	LT	MULLANPHY	1							
18	134+73.99	22.6	LT	MULLANPHY			1					07K2-113S
18	134+91.67	25.2	LT	MULLANPHY							1	
18	135+76.30	23.4	RT	MULLANPHY		1						
18	137+44.60	24.6	RT	MULLANPHY		1						
18	139+31.43	15.3	RT	MULLANPHY					1			07K2-277D
18	139+53.67	13.6	LT	MULLANPHY	1							
18	139+61.89	16.4	LT	MULLANPHY	1							
18	139+63.15	39.0	LT	MULLANPHY						1		07K2-1475D (REPLACE INLET TOP)
18	139+79.83	22.7	LT	MULLANPHY			1					07K2-092S
18	139+95.18	47.4	LT	MULLANPHY						1		07K2-174D
18	140+46.92	21.5	LT	MULLANPHY		1						
19	141+22.94	22.7	RT	MULLANPHY		1						
19	141+40.80	19.7	RT	MULLANPHY			1					07K2-094S
19	141+59.91	15.0	LT	MULLANPHY					1			07K2-168D
19	141+68.22	22.3	RT	MULLANPHY		1						
19	142+72.43	22.2	RT	MULLANPHY		1						
19	143+25.36	22.4	RT	MULLANPHY		1						
19	144+25.31	22.2	RT	MULLANPHY		1						
19	144+68.98	22.4	RT	MULLANPHY		1						
19	145+55.84	22.3	RT	MULLANPHY		1						
19	145+68.53	19.7	RT	MULLANPHY			1					07K2-098S
19	146+18.32	12.6	LT	MULLANPHY	1							
19	146+23.26	23.0	RT	MULLANPHY		1						
				SUBTOTAL A	15	27	7	3	12	4	8	

COUNTY PROJECT NO. 2302483

FEDERAL PROJECT NO. STP-4901(650)

E-W GATEWAY TIP NO. 7181-23, 7236-23

MSD: 24MSD-00286

MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY: I hereby certify that the documents intended to be authorized by my seal are limited to the sheet, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI — ANDREA S. DAVIS PE-2018021250 — PROFESSIONAL ENGINEER

Andrea S. Davis 04/21/2026 4:10:24 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY: HRGreen — HRGreen.com — 320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141 — (314) 579-0900 — FAX (314) 579-0905
ANDREA S. DAVIS, PROFESSIONAL ENGINEER, LICENSE NO. 2018021250

St. Ferdinand de Pleurissant 1786 — Est. — City of Florissant

MULLANPHY ROAD RESURFACING

QUANTITIES (SHEET 3 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 7 OF 97

UTILITY ADJUSTMENTS (CONTINUED)

SHEET	STA.	OFF.	SIDE	ROUTE	WATER VALVE ADJUST TO GRADE BY OTHERS EA	WATER METER ADJUST TO GRADE BY OTHERS EA	604-20.30 ADJUSTING MANHOLE TO GRADE SANITARY EA	604-20.30 ADJUSTING MANHOLE TO GRADE STORM EA	604-20.26 ADJUST GRATE INLET TO GRADE EA	604-20.20 ADJUSTING BASIN OR INLET EA	GAS VALVE ADJUST TO GRADE BY OTHERS EA	REMARKS
19	146+38.59	11.1	LT	MULLANPHY	1							
19	147+16.82	23.4	RT	MULLANPHY		1						
19	147+73.45	23.1	RT	MULLANPHY		1						
19	148+25.11	15.3	LT	MULLANPHY					1			07K3-010D
19	148+25.51	14.8	RT	MULLANPHY					1			07K3-011D
19	148+67.57	18.4	RT	MULLANPHY							1	
19	149+08.44	18.2	RT	MULLANPHY							1	
19	149+97.00	21.2	RT	MULLANPHY			1					07K4-032S
20	151+15.12	19.7	LT	MULLANPHY		1						
20	151+76.60	12.5	LT	MULLANPHY	1							
20	151+80.56	11.2	LT	MULLANPHY	1							
20	151+93.75	23.5	LT	MULLANPHY			1					07J4-030S
20	153+03.43	9.7	LT	MULLANPHY	1							
				SUBTOTAL B	4	3	2	0	2	0	2	
				SUBTOTAL A	15	27	7	3	12	4	8	
				PAY TOTAL	*	*	12		14	4	*	

* FOR INFORMATIONAL PURPOSES ONLY

ASPHALT PAVEMENT

SHEET	STATION	STATION	ROUTE	SIDE	AREA SY	405-30.10 TYPE "C" BITUMINOUS CONCRETE (PAVEMENT) (1.948 TONS/CY TON	407-10.10 TACK-LIQUID ASPHALT (0.10GAL/SY) GAL	412-10.02 PAVEMENT SURFACING AND TEXTURING (0" TO 2"), CONCRETE OR ASPHALT SY	REMARKS
15	106+91.07	111+00.00	MULLANPHY	BOTH	1410.4	229.0	141.0	1410.4	
15	107+92.89	108+57.42	MULLANPHY	LT	102.7	16.7	10.3	102.7	MULLAN DRIVE
15	109+68.26	110+55.76	MULLANPHY	RT	79.1	12.8	7.9	79.1	ASPEN DRIVE (SOUTH)
16	111+00.00	116+00.00	MULLANPHY	BOTH	1713.6	278.2	171.4	1713.6	
16	116+00.00	121+00.00	MULLANPHY	BOTH	1602.0	260.1	160.2	1602.0	
16	117+59.05	118+48.15	MULLANPHY	RT	133.9	21.7	13.4	133.9	LOVELAND DRIVE (SOUTH)
16	117+71.40	118+36.45	MULLANPHY	LT	80.0	13.0	8.0	80.0	LOVELAND DRIVE (NORTH)
17	121+00.00	126+00.00	MULLANPHY	BOTH	1718.6	279.0	171.9	1718.6	
17	126+00.00	131+00.00	MULLANPHY	BOTH	1714.0	278.2	171.4	1714.0	
17	126+70.64	127+57.47	MULLANPHY	RT	81.0	13.1	8.1	81.0	GREELEY DRIVE
18	131+00.00	136+00.00	MULLANPHY	BOTH	1721.7	279.5	172.2	1721.7	
18	133+19.48	134+10.96	MULLANPHY	RT	82.5	13.4	8.3	82.5	ASPEN DRIVE (SOUTH)
18	134+30.20	135+17.25	MULLANPHY	LT	99.9	16.2	10.0	99.9	FERNBROOK LANE
18	136+00.00	141+00.00	MULLANPHY	BOTH	1632.9	265.1	163.3	1632.9	
18	139+22.36	104+08.18	MULLANPHY	RT	78.2	12.7	7.8	78.2	TYSON DRIVE (SOUTH)
19	141+00.00	146+00.00	MULLANPHY	BOTH	1718.8	279.0	171.9	1718.8	
19	146+00.00	151+00.00	MULLANPHY	BOTH	1718.8	279.0	171.9	1718.8	
19	149+52.11	150+42.82	MULLANPHY	RT	77.9	12.6	7.8	77.9	FLORISSANT PARK DRIVE (SOUTH)
20	151+00.00	154+84.38	MULLANPHY	BOTH	1221.6	198.3	122.2	1221.6	
20	152+75.55	153+63.23	MULLANPHY	RT	107.6	17.5	10.8	107.6	VESPER DRIVE
				SUBTOTAL		2775.1	1709.8	17095.2	
				SUBTOTAL		1.7			SEE ENTRANCE TABLE
				PAY TOTAL		2776.8	1710	17095	

CONCRETE PAVEMENT

SHEET	STATION	STATION	ROUTE	SIDE	AREA SY	304-05.04 TYPE 5 AGGREGATE BASE (4" THICK" SY	502-11.07 CONCRETE PAVEMENT (7" NON-REINFORCED) SY	REMARKS
18	131+31.38	132+09.33	MULLANPHY	LT	47.1	47.1	47.1	ASPEN DRIVE (NORTH)
18	139+46.73	140+12.73	MULLANPHY	LT	136.5	136.5	136.5	TYSON DRIVE (NORTH)
20	151+60.96	152+26.96	MULLANPHY	LT	132.4	132.4	132.4	FLORISSANT PARK DRIVE (NORTH)
					SUBTOTAL	316.0	316.0	
					PAY TOTAL	(1)	316.0	

(1)SEE AGGREGATE TABLE FOR PAY TOTAL

PAVEMENT REPAIRS

SHEET	STATION	STATION	ROUTE	SIDE	405-30.25 ASPHALT PAVEMENT REPAIR, (FULL DEPTH) SY	REMARKS
15	107+92.00	107+96.00	MULLANPHY	RT	4.0	6' X 6'
15	109+18.26	109+68.26	MULLANPHY	RT	33.3	6' X 50'
16	111+98.58	112+48.59	MULLANPHY	RT	33.3	6' X 50'
16	114+31.87	114+49.72	MULLANPHY	RT	11.3	6' X 17'
17	122+93.58	123+58.58	MULLANPHY	RT	43.3	6' X 65'
17	123+30.33	123+50.33	MULLANPHY	LT/RT	13.3	6' X 20'
17	124+73.93	125+13.93	MULLANPHY	RT	26.7	6' X 40'
17	126+15.00	126+40.00	MULLANPHY	RT	16.7	6' X 25'
17	126+67.44	127+14.44	MULLANPHY	LT	33.3	6' X 50'
17	128+31.79	128+61.79	MULLANPHY	RT	20.0	6' X 30'
18	132+95.52	133+45.52	MULLANPHY	LT/RT	33.3	6' X 50'
18	134+83.54	135+08.54	MULLANPHY	RT	16.7	6' X 25'
18	139+33.90	139+58.90	MULLANPHY	RT	16.7	6' X 25'
19	145+15.14	145+40.14	MULLANPHY	RT	16.7	6' X 25'
19	148+27.91	148+64.91	MULLANPHY	RT	24.7	6' X 37'
19	149+59.74	149+84.74	MULLANPHY	RT	16.7	6' X 25'
19	150+22.80	150+42.80	MULLANPHY	RT	13.3	6' X 20'
20	151+93.86	152+83.86	MULLANPHY	RT	60.0	6' X 90'
				SUBTOTAL	433.3	10% CONTINGENCY ADDED
				PAY TOTAL	476.6	

NOTE: FINAL SIZE AND LOCATION OF FULL-DEPTH PAVEMENT REPAIR SHALL BE CONFIRMED BY THE ENGINEER.

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S. Davis
06/11/2026 3:49:42 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 6/11/2026

PREPARED BY:
HRGreen
HRGreen.com
520 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

QUANTITIES (SHEET 4 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 8 OF 97

6/11/2026 1:03:24 PM \\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-05-13-Quantities.dgn

ENTRANCES

SHEET	STATION	SIDE	ROUTE	304-05.04 TYPE 5 AGGREGATE BASE (4" THICK) SY	405-30.10 TYPE "C" BITUMINOUS CONCRETE (PAVEMENT) 1.948 TON/CY TON	405-30.30 TYPE "X" BITUMINOUS CONCRETE (BASE) 1.943 TON/CY TON	502-11.06 CONCRETE PAVEMENT (6" NON-REINFORCED) SY	608-50.06 PAVED DRIVEWAY APPROACH (6" THICK) SY	REMARKS
16	118+71.40	LT	MULLANPHY				1.0	21.8	1395 MULLANPHY RD
16	119+58.17	RT	MULLANPHY				2.1	20.0	1360 MULLANPHY RD
16	119+76.85	RT	MULLANPHY				2.0	18.7	1340 MULLANPHY RD
16	120+84.91	RT	MULLANPHY				3.9	11.3	1320 MULLNAPHY RD
17	121+11.03	RT	MULLANPHY				4.4	11.3	1310 MULLANPHY RD
17	122+18.53	RT	MULLANPHY				19.1	13.6	1300 MULLANPHY RD
17	122+43.39	RT	MULLANPHY				9.2	8.4	1290 MULLANPHY RD
17	123+49.39	RT	MULLANPHY				4.5	23.2	1280 MULLANPHY RD
17	123+67.68	RT	MULLANPHY	22.4	0.47	0.94		18.1	1270 MULLANPHY RD
17	124+74.70	RT	MULLANPHY	12.2	0.15	0.31		10.8	1260 MULLANPHY RD
17	125+02.70	RT	MULLANPHY				3.4	11.0	1240 MULLANPHY RD
17	126+08.33	RT	MULLANPHY				1.8	18.3	1220 MULLANPHY RD
17	128+22.89	RT	MULLANPHY				7.7	20.4	1140 MULLANPHY RD
17	128+89.34	RT	MULLANPHY				1.0	11.1	1130 MULLANPHY RD
17	129+58.15	RT	MULLANPHY				1.8	18.2	1120 MULLANPHY RD
17	130+17.22	RT	MULLANPHY				2.2	17.9	1100 MULLANPHY RD
17	130+81.59	RT	MULLANPHY				10.2	21.3	1080 MULLANPHY RD
18	131+49.51	RT	MULLANPHY				1.1	11.7	1070 MULLANPHY RD
18	132+57.80	RT	MULLANPHY	21.1	0.21	0.42		19.1	1060 MULLANPHY RD
18	134+83.65	RT	MULLANPHY				6.2	18.2	1000 MULLANPHY RD
18	135+38.86	RT	MULLANPHY				1.2	11.9	950 MULLANPHY RD
18	136+95.02	RT	MULLANPHY	22.9	0.25	0.51		20.5	920 MULLANPHY RD
18	138+69.06	RT	MULLANPHY	13.3	0.12	0.25		12.2	900 MULLANPHY RD
18	140+89.85	RT	MULLANPHY				1.9	22.4	860 MULLANPHY RD
19	141+94.57	RT	MULLANPHY				1.2	11.9	850 MULLANPHY RD
19	142+41.79	RT	MULLANPHY				2.0	18.7	830 MULLANPHY RD
19	143+49.32	RT	MULLANPHY				4.4	21.0	820 MULLANPHY RD
19	143+90.55	RT	MULLANPHY				2.4	22.4	800 MULLANPHY RD
19	144+98.99	RT	MULLANPHY				2.2	20.8	790 MULLANPHY RD
19	145+40.91	RT	MULLANPHY				2.1	19.3	770 MULLANPHY RD
19	146+47.89	RT	MULLANPHY				9.5	18.6	760 MULLANPHY RD
19	146+91.21	RT	MULLANPHY				19.8	19.5	740 MULLANPHY RD
19	147+99.70	RT	MULLANPHY	22.7	0.49	0.98		18.2	730 MULLANPHY RD
19	148+41.69	RT	MULLANPHY				6.5	18.7	720 MULLANPHY RD
19	150+95.39	RT	MULLANPHY				1.2	10.5	680 MULLANPHY RD
20	151+41.64	RT	MULLANPHY				2.2	20.7	680 MULLANPHY RD
20	152+08.99	RT	MULLANPHY				2.2	20.3	650 MULLANPHY RD
20	152+89.85	LT	MULLANPHY				0.9	10.2	635 MULLANPHY RD
20	154+22.92	RT	MULLANPHY				8.8	10.9	610 MULLANPHY RD
20	154+49.26	RT	MULLANPHY				13.9	11.3	580 MULLANPHY RD
20	155+12.65	RT	MULLANPHY				1.1	21.5	550 MULLANPHY RD
			SUBTOTAL	114.6	1.69	3.41	165.1	685.9	
			PAY TOTAL	(1)	(2)	3.4	165.1	685.9	

(1) SEE AGGREGATE TABLE FOR PAY TOTAL

(2) SEE ASPHALT PAVEMENT TABLE FOR PAY TOTAL

CONCRETE CURB

SHEET	STATION	STATION	SIDE	ROUTE	609-10.10 CONCRETE CURB, TYPE "S" LF	609-20.11 INTEGRAL CURB (6" HEIGHT AND UNDER) LF	REMARKS
16	117+10.03	117+15.19	LT	MULLANPHY	6.9		
16	117+19.19	117+50.90	LT	MULLANPHY	34.9		
16	117+56.90	117+70.45	LT	MULLANPHY	13.6		
16	117+56.90	117+79.08	RT	MULLANPHY	23.5		
16	299+50.00	299+57.67	LT	LOVELAND		8.1	ROLLED CURB
16	299+50.00	299+59.12	RT	LOVELAND		9.6	ROLLED CURB
16	299+60.93	299+71.00	LT	LOVELAND		9.5	ROLLED CURB
16	299+62.81	299+71.00	RT	LOVELAND		8.8	ROLLED CURB
16	299+76.00	299+50.00	LT	LOVELAND		26.1	ROLLED CURB
16	299+76.00	299+50.00	RT	LOVELAND		26.1	ROLLED CURB
16	118+26.93	118+35.95	RT	MULLANPHY	10.4		
16	118+41.45	118+60.93	LT	MULLANPHY	19.5		
16	118+81.86	119+17.39	LT	MULLANPHY	36.4		
16	120+95.93	121+00.00	RT	MULLANPHY	4.0		
17	124+84.52	124+92.76	RT	MULLANPHY	8.2		
17	125+63.57	125+88.57	LT	MULLANPHY	25.0		
17	126+68.13	126+85.10	RT	MULLANPHY	17.6		
17	129+68.54	129+83.54	LT	MULLANPHY	15.0		
17	129+99.75	130+24.75	LT	MULLANPHY	25.0		
18	131+13.62	131+38.17	RT	MULLANPHY	24.6		
18	131+13.62	131+35.51	LT	MULLANPHY	21.9		
18	499+61.78	499+70.92	RT	ASPEN		9.4	ROLLED CURB
18	499+61.91	499+71.08	LT	ASPEN		10.3	ROLLED CURB
18	499+75.90	499+82.99	LT	ASPEN		18.5	ROLLED CURB
18	499+76.09	499+81.55	RT	ASPEN		10.1	ROLLED CURB
18	134+98.28	135+27.38	RT	MULLANPHY	29.1		
18	138+91.76	138+94.07	LT	MULLANPHY	2.5		
18	138+97.30	139+46.73	LT	MULLANPHY	50.4		
18	899+49.11	899+50.11	LT	TYSON		1.3	ROLLED CURB
18	899+49.11	899+60.48	RT	TYSON		12.1	ROLLED CURB
18	899+55.01	899+75.94	LT	TYSON		21.3	ROLLED CURB
18	899+65.14	899+76.06	RT	TYSON		12.1	ROLLED CURB
18	899+80.93	899+90.35	LT	TYSON		21.4	ROLLED CURB
18	899+81.07	899+90.64	RT	TYSON		20.6	ROLLED CURB
18	139+96.39	140+13.58	RT	MULLANPHY	17.8		
18	140+19.58	140+58.06	LT	MULLANPHY	39.3		
19	142+06.05	142+26.71	RT	MULLANPHY	20.7		
19	143+65.55	143+73.63	RT	MULLANPHY	8.1		
19	145+15.14	145+25.41	RT	MULLANPHY	10.3		
19	146+62.93	146+75.63	RT	MULLANPHY	12.7		
19	148+15.66	148+26.63	RT	MULLANPHY	11.0		
19	148+57.19	148+64.44	RT	MULLANPHY	7.3		
20	151+06.19	151+25.46	RT	MULLANPHY	19.3		
20	151+14.99	151+70.96	LT	MULLANPHY	46.7		
20	1099+49.93	1099+75.92	LT	FLORISSANT PARK		26.1	ROLLED CURB
20	1099+50.06	1099+76.07	RT	FLORISSANT PARK		26.1	ROLLED CURB
20	1099+80.91	1099+90.32	LT	FLORISSANT PARK		20.6	ROLLED CURB
20	1099+81.08	1099+90.67	RT	FLORISSANT PARK		20.6	ROLLED CURB
20	152+25.15	152+49.02	RT	MULLANPHY	23.9		
20	126+26.96	152+38.52	RT	MULLANPHY	13.4		
20	152+44.52	152+81.04	LT	MULLANPHY	37.1		
20	1200+23.84	1200+37.31	RT	VESPER	16.2		
20	154+34.00	154+38.02	RT	MULLANPHY	4.0		
20	154+59.74	154+96.58	RT	MULLANPHY	36.9		
				SUBTOTAL	693.2	318.7	
				PAY TOTAL	693	319	

COUNTY PROJECT NO. 2302483

FEDERAL PROJECT NO. STP-4901(650)

E-W GATEWAY TIP NO. 7181-23, 7236-23

MSD: 24MSD-00286

MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY: I hereby state that the documents intended to be authorized by my seal are limited to the work, and I hereby disclaim any responsibility for all other Documents, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI — ANDREA S. DAVIS PE-2018021250 — PROFESSIONAL ENGINEER

Andrea S. Davis 04/21/2026 4:10:32 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY: HRGreen — 320 MARKVIE, ST. CHARLES, MO 63301 — 636.724.4644

ANDREA S. DAVIS PROFESSIONAL ENGINEER LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

QUANTITIES (SHEET 5 OF 9)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 9 OF 97

SIDEWALK, ADA & MEDIAN

SHEET	STATION	STATION	SIDE	ROUTE	608-60.04 CONRETE SIDEWALK (4" THICK) SY	608-60.08 CONCRETE SIDEWALK, CURB RAMP EACH	TRUNCATED DOMES FOR CURB RAMPS SF	REMARKS
15	107+81.92	108+10.16	LT	MULLANPHY		1	10.0	CURB RAMP 1 - 22.6 SY
15	108+39.97	108+63.67	LT	MULLANPHY		1	10.0	CURB RAMP 2 - 20.4 SY
15	108+62.15	108+87.15	RT	MULLANPHY		1	10.0	CURB RAMP 3 - 17.5 SY
15	108+63.67	108+87.15	LT	MULLANPHY		1	10.0	CURB RAMP 2A - 16.8 SY
15	109+63.00	109+87.55	RT	MULLANPHY		1	20.8	CURB RAMP 4 - 12.9 SY
15	110+33.76	110+58.82	RT	MULLANPHY		1	20.0	CURB RAMP 5 - 13.2 SY
16	117+11.40	117+46.40	LT	MULLANPHY	19.1			
16	117+39.90	117+64.03	RT	MULLANPHY		1	10.0	CURB RAMP 8 - 18.5 SY
16	117+46.40	117+66.40	LT	MULLANPHY		1	10.0	CURB RAMP 6 - 19.6 SY
16	117+64.03	117+83.55	RT	MULLANPHY		1	10.0	CURB RAMP 8A - 11.3 SY
16	117+66.40	117+90.44	LT	MULLANPHY		1	10.0	CURB RAMP 6A - 22.8 SY
16	118+16.45	118+32.70	LT	MULLANPHY		1	10.0	CURB RAMP 7 - 18.4 SY
16	118+22.49	118+49.01	RT	MULLANPHY		1	10.0	CURB RAMP 9 - 19.5 SY
16	118+32.70	118+46.45	LT	MULLANPHY		1	10.0	CURB RAMP 7A - 16.1 SY
16	118+46.45	118+66.47	LT	MULLANPHY	11.3			
16	118+49.01	119+48.52	RT	MULLANPHY	55.4			
16	118+76.05	118+86.05	LT	MULLANPHY	5.2			
16	119+85.86	120+80.14	RT	MULLANPHY	52.4			
16	120+89.69	121+06.22	RT	MULLANPHY	9.2			
17	121+15.83	122+10.06	RT	MULLANPHY	61.1			
17	122+26.85	122+38.74	RT	MULLANPHY	6.4			
17	122+48.04	122+40.33	RT	MULLANPHY	51.9			
17	123+76.12	124+70.07	RT	MULLANPHY	52.2			
17	124+79.32	124+97.96	RT	MULLANPHY	10.4			
17	125+07.44	126+00.08	RT	MULLANPHY	51.5			
17	126+16.58	126+56.13	RT	MULLANPHY	22.0			
17	126+52.59	126+77.59	LT	MULLANPHY		1	10.0	CURB RAMP 10 - 18.7 SY
17	126+56.13	126+73.23	RT	MULLANPHY		1	10.0	CURB RAMP 11 - 13.3 SY
17	126+73.23	126+91.85	RT	MULLANPHY		1	18.9	CURB RAMP 11A - 9.8 SY
17	127+37.68	127+57.56	RT	MULLANPHY		1	20.2	CURB RAMP 12 - 10.7 SY
17	127+57.56	128+13.60	RT	MULLANPHY	31.1			
17	128+31.79	128+84.83	RT	MULLANPHY	29.5			
17	128+93.86	129+49.97	RT	MULLANPHY	31.2			
17	129+66.34	130+07.95	RT	MULLANPHY	23.1			
17	130+23.79	130+71.94	RT	MULLANPHY	26.7			
17	130+91.25	131+12.12	RT	MULLANPHY	11.6			
18	131+08.62	131+28.62	LT	MULLANPHY		1	10.0	CURB RAMP 13 - 15.9 SY
18	131+12.12	131+30.12	RT	MULLANPHY		1	10.0	CURB RAMP 15 - 13.9 SY
18	131+28.62	131+50.81	LT	MULLANPHY		1	10.0	CURB RAMP 13A - 27.9 SY
18	131+30.12	131+44.65	RT	MULLANPHY	8.1			
18	131+54.36	132+49.01	RT	MULLANPHY	52.6			
18	131+88.68	132+05.63	LT	MULLANPHY		1	10.0	CURB RAMP 14 - 8.8 SY
18	132+66.58	133+20.34	RT	MULLANPHY	29.9			
18	133+20.34	133+41.43	RT	MULLANPHY		1	21.8	CURB RAMP 16 - 11.3 SY
18	133+88.02	134+08.47	RT	MULLANPHY		1	21.8	CURB RAMP 17 - 11.0 SY
18	134+08.47	134+75.49	RT	MULLANPHY	37.2			
18	134+23.54	134+46.10	LT	MULLANPHY		1	17.0	CURB RAMP 18 - 11.6 SY
18	134+91.81	135+33.80	RT	MULLANPHY	23.3			
18	134+94.04	135+18.90	LT	MULLANPHY		1	22.5	CURB RAMP 19 - 13.1 SY
18	135+43.93	136+85.65	RT	MULLANPHY	708.6			
18	137+04.38	138+63.88	RT	MULLANPHY	88.6			
18	138+74.23	139+23.33	RT	MULLANPHY	27.3			
18	138+89.21	139+54.94	LT	MULLANPHY	324.7			
18	139+23.33	139+43.64	RT	MULLANPHY		1	19.8	CURB RAMP 22 - 10.9 SY
18	139+54.94	139+65.96	LT	MULLANPHY		1	10.0	CURB RAMP 20 - 6.5 SY
18	139+89.83	140+08.42	RT	MULLANPHY		1	19.0	CURB RAMP 23 - 9.8 SY
18	139+93.51	140+08.30	LT	MULLANPHY		1	10.0	CURB RAMP 21 - 8.4 SY
18	140+08.30	140+24.08	LT	MULLANPHY		1	10.0	CURB RAMP 21A - 14.5 SY
18	140+08.42	140+25.58	RT	MULLANPHY		1	10.0	CURB RAMP 23A - 13.1 SY
18	140+24.08	140+63.00	LT	MULLANPHY	21.3			
18	140+25.58	140+79.28	RT	MULLANPHY	29.8			
19	141+00.43	141+89.33	RT	MULLANPHY	49.4			
19	141+99.81	142+32.95	RT	MULLANPHY	18.4			
19	142+50.63	143+39.34	RT	MULLANPHY	49.3			
19	143+59.30	143+79.87	RT	MULLANPHY	11.4			
19	144+01.22	144+89.07	RT	MULLANPHY	48.8			
19	145+08.90	145+31.65	RT	MULLANPHY	12.6			
19	145+50.17	146+39.08	RT	MULLANPHY	49.4			
19	146+56.69	146+81.88	RT	MULLANPHY	14.0			
19	147+00.55	147+89.54	RT	MULLANPHY	49.2			
19	148+09.85	148+32.44	RT	MULLANPHY	12.3			
19	148+50.94	149+54.62	RT	MULLANPHY	57.6			
19	149+54.63	149+73.47	RT	MULLANPHY		1	19.7	CURB RAMP 24 - 10.0 SY
19	150+19.60	150+40.37	RT	MULLANPHY		1	20.0	CURB RAMP 25 - 11.2 SY
19	150+40.37	150+90.83	RT	MULLANPHY	28.0			
19	150+99.94	151+31.71	RT	MULLANPHY	17.6			
				SUBTOTAL A	2330.7	33	451.5	

SIDEWALK, ADA & MEDIAN (CONTINUED)

SHEET	STATION	STATION	SIDE	ROUTE	608-60.04 CONRETE SIDEWALK (4" THICK) SY	608-60.08 CONCRETE SIDEWALK, CURB RAMP EACH	TRUNCATED DOMES FOR CURB RAMPS SF	REMARKS
20	151+09.99	151+71.16	LT	MULLANPHY	33.7			
20	151+15.57	151+99.24	RT	MULLANPHY	26.5			
20	151+71.16	151+80.19	LT	MULLANPHY		1	10.0	CURB RAMP 26 - 5.2 SY
20	152+07.73	152+21.76	LT	MULLANPHY		1	10.0	CURB RAMP 27 - 8.0 SY
20	152+18.75	152+32.52	RT	MULLANPHY	7.7			
20	152+21.76	152+34.02	LT	MULLANPHY	6.8			
20	152+32.52	152+50.52	RT	MULLANPHY		1	10.0	CURB RAMP 28 - 13.6 SY
20	152+34.02	152+49.02	LT	MULLANPHY		1	10.0	CURB RAMP 27A - 14.0 SY
20	152+49.02	152+85.75	LT	MULLANPHY	20.4			
20	152+50.52	152+69.15	RT	MULLANPHY	10.3			
20	152+69.15	152+94.80	RT	MULLANPHY		1	18.5	CURB RAMP 29 - 20.5 SY
20	152+86.03	152+99.28	RT	MULLANPHY	12.7			
20	152+93.94	153+03.94	LT	MULLANPHY	5.3			
20	153+37.28	153+53.47	RT	MULLANPHY	13.8			
20	153+41.91	153+66.03	RT	MULLANPHY		1	20.9	CURB RAMP 30 - 18.8 SY
20	153+66.03	154+18.09	RT	MULLANPHY	28.9			
20	154+26.90	154+44.27	RT	MULLANPHY	9.2			
20	154+54.26	155+03.78	RT	MULLANPHY	27.5			
20	155+21.34	155+75.38	RT	MULLANPHY	30.7			
20	155+75.38	156+00.21	RT	MULLANPHY		1	17.3	CURB RAMP 31 - 28.3 SY
20	156+36.70	156+53.27	RT	MULLANPHY		1	15.8	CURB RAMP 32 - 18.1 SY
				SUBTOTAL B	233.5	8	112.5	
				SUBTOTAL A	2330.7	33	451.5	
				PAY TOTAL	2564.2	41	(1)	

(1) TRUNCATED DOMES FOR INFORMATIONAL ONLY. TRUNCATED DOMES ARE INCIDENTAL TO PAY ITEM 608-60.08 - CONCRETE SIDEWALK, CURB RAMP.

MODIFIED LINEAR GRADING CLASS 2

SHEET	STA.	STA.	ROUTE	SIDE	207-20.00 LINEAR GRADING CLASS 2 STA.	REMARKS
16	107+81.92	108+11.58	MULLANPHY	LT	0.3	AROUND CURB RAMP 1
16	108+38.79	108+87.15	MULLANPHY	LT	0.5	AROUND CURB RAMPS 2/2A
16	108+60.15	108+89.15	MULLANPHY	RT	0.3	AROUND CURB RAMP 3
16	109+62.16	109+90.84	MULLANPHY	RT	0.3	AROUND CURB RAMP 4
16	110+30.54	110+58.74	MULLANPHY	RT	0.3	AROUND CURB RAMP 5
17	117+10.03	117+90.45	MULLANPHY	LT	0.8	AT BUMPOUT AT LOVELAND/CURB RAMP 6/6A
17	117+39.90	117+86.09	MULLANPHY	RT	0.5	AROUND CURB RAMP 8/8A
17	118+16.08	119+17.39	MULLANPHY	LT	1.0	AT BUMPOUT AT LOVELAND/CURB RAMP 7/7A
17-18	118+20.08	126+95.04	MULLANPHY	RT	8.7	LOVELAND DR TO GREELEY DR
18	126+52.59	126+77.59	MULLANPHY	LT	0.3	AROUND CURB RAMP 10
18-19	127+34.16	133+44.03	MULLANPHY	RT	6.1	GREELEY DR TO ASPEN DR SOUTH 2
19	131+08.62	131+52.55	MULLANPHY	LT	0.4	AROUND CURB RAMP 13/13A
19	131+84.29	132+09.34	MULLANPHY	LT	0.3	AROUND CURB RAMP 14
19	133+85.00	139+46.87	MULLANPHY	RT	5.6	ASPEN DR SOUTH 2 TO TYSON SOUTH
19	134+23.54	134+49.07	MULLANPHY	LT	0.3	AROUND CURB RAMP 18
19	134+91.04	135+21.26	MULLANPHY	LT	0.3	AROUND CURB RAMP 19
19	138+89.21	139+66.80	MULLANPHY	LT	0.8	AT BUMPOUT AT TYSON/CURB RAMP 20
19-20	139+86.32	149+76.53	MULLANPHY	RT	9.9	TYSON SOUTH TO FLORISSANT SOUTH
19	139+92.80	140+63.00	MULLANPHY	LT	0.7	AT BUMPOUT AT TYSON/CURB RAMP 21/21A
20-21	150+16.34	153+03.52	MULLANPHY	RT	2.9	FLORISSANT PARK SOUTH TO VESPER
21	151+09.99	151+81.06	MULLANPHY	LT	0.7	AT BUMPOUT AT FLORISSANT NORTH/CURB RAMP 26
21	152+07.05	153+03.94	MULLANPHY	LT	1.0	AT BUMPOUT AT FLORISSANT NORTH/CURB RAMP 27/27A
21	153+37.12	156+02.96	MULLANPHY	RT	2.7	VESPER TO ANGELUS
21	156+36.65	156+53.27	MULLANPHY	RT	0.2	ANGELUS TO PROJECT END
				SUBTOTAL	44.9	
				PAY TOTAL	44.9	

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby state that the documents intended to be authorized by my seal are limited to the sheet, and I hereby disclaim any responsibility for all other Documents, specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S. Davis
04/21/2026 4:10:35 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
HRGreen.com
320 MARKVIEW, ST. CHARLES PARKWAY, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.579.0900 FAX: 314.579.0909
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

QUANTITIES (SHEET 6 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 10 OF 97

SAWCUT

SHEET	STATION	STATION	ROUTE	SIDE	PARTIAL DEPTH SAWCUT LF	REMARKS
16	106+91.07		MULLANPHY	BOTH	32.3	ACROSS MULLANPHY RD
16	99+53.00		MULLAN	BOTH	24.8	ACROSS MULLAN DR
16	200+29.50		ASPEN S 1	BOTH	36.3	ACROSS ASPEN DR SOUTH
17	117+19.64	117+70.45	MULLANPHY	LT	51.8	ALONG BUMPOUT AT LOVELAND DR
17	299+50.00		LOVELAND	BOTH	25.3	ACROSS LOVELAND DR
17	299+50.00	299+91.50	LOVELAND	LT	53.8	ALONG LOVELAND DR
17	299+50.00	299+91.50	LOVELAND	RT	53.8	ALONG LOVELAND DR
17	300+29.27		LOVELAND	BOTH	36.2	ACROSS LOVELAND DR
17	118+36.45	119+17.02	MULLANPHY	LT	81.8	ALONG BUMPOUT AT LOVELAND DR
18	123+59.24	123+76.12	MULLANPHY	RT	16.9	1270 MULLANPHY ROAD
18	124+70.07	124+79.32	MULLANPHY	RT	9.3	1260 MULLANPHY ROAD
18	400+29.13		GREELEY	RT	36.7	ACROSS GREELEY DR
19	132+49.01	132+66.58	MULLANPHY	RT	17.6	1060 MULLANPHY ROAD
19	600+29.19		ASPEN S 2	BOTH	36.9	ACROSS ASPEN DR SOUTH
19	699+66.31		FERNBROOK	BOTH	32.8	ACROSS FERNBROOK LN
19	136+85.65	137+04.38	MULLANPHY	RT	18.7	920 MULLANPHY ROAD
19	138+63.89	138+74.23	MULLANPHY	RT	10.3	900 MULLANPHY ROAD
19	138+91.76	140+58.05	MULLANPHY	LT	168.1	ALONG BUMPOUT AT TYSON DR
19	800+29.52		TYSON SOUTH	BOTH	36.5	ACROSS TYSON DR SOUTH
20	147+89.54	148+09.85	MULLANPHY	RT	20.3	730 MULLANPHY ROAD
20	1000+29.58		FLORISSANT S	BOTH	36.2	ACROSS FLORISSANT PARK DR SOUTH
21	151+14.99	152+84.13	MULLANPHY	LT	170.5	ALONG BUMPOUT AT FLORISSANT PARK DR NORTH
21	1200+37.31		VESPER	BOTH	28.3	ACROSS VESPER DR
21	154+84.37		MULLANPHY	BOTH	28.6	ACROSS MULLANPHY RD
				SUBTOTAL	1063.8	
				PAY TOTAL	(1)	

(1) ALL PARTIAL DEPTH SAWCUTS ARE INCIDENTAL TO PAY ITEM 412-10.02 "PAVEMENT SURFACING AND TEXTURING (0" TO 2"), CONCRETE OR ASPHALT". ALL FULL DEPTH SAWCUTS ARE INCIDENTAL TO PAY ITEM 502-11.07 "CONCRETE PAVEMENT (7" NON-REINFORCED)". QUANTITY IS FOR INFORMATION ONLY.

DRAINAGE - STRUCTURES

PLAN SHEET NO.	STATION	OFFSET	SIDE	ROUTE	604-12.01 SINGLE CURB INLET, UNTRAPPED EA	604-25.40 CONVERT INLET TO MANHOLE AND ADJUST TO GRADE EA	REMARKS
16	117+17.20	21.91	LT	MULLANPHY	1		
16	117+68.13	21.69	LT	MULLANPHY		1	
18	138+95.72	18.23	LT	MULLANPHY	1		
18	139+30.96	18.1	LT	MULLANPHY		1	
				SUBTOTAL	2	2	
				PAY TOTAL	2	2	

RETAINING WALL

SHEET	STATION	STATION	SIDE	ROUTE	703-90.10 MODULAR BLOCK WALL (H<4') SF	REMARKS
17	121+30.83	122+03.73	RT	MULLANPHY	78.5	
				SUBTOTAL	78.5	
				PAY TOTAL	79	

PAVEMENT MARKING

SHEET	STATION	STATION	ROUTE	SIDE	620-60.00D 4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL TYPE P BEADS) LF	620-60.01D 4 IN. YELLOW CLASS 1 PAVEMENT MARKING PAINT (18-MIL TYPE P BEADS) LF	620-00.15 PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN., WHITE LF	REMARKS
15	106+91.08	108+00.00	MULLANPHY	RT		217.8		DOUBLE SOLID
15	106+91.74	108+00.00	MULLANPHY	LT	108.4			SOLID
15	108+00.00	116+94.90	MULLANPHY	RT		298.3		INTERMITTENT
15	108+69.65	108+79.65	MULLANPHY	RT/LT			30.0	PEDESTRIAN CROSSING
15	108+79.65	117+48.90	MULLANPHY	LT	869.3			SOLID
16	116+94.90	117+44.90	MULLANPHY	RT		100.0		DOUBLE SOLID
16	117+42.89	117+44.89	MULLANPHY	RT			11.0	STOP BAR
16	117+50.90	117+56.90	MULLANPHY	RT/LT			22.0	PEDESTRIAN CROSSING
16	117+90.89	118+03.44	MULLANPHY	LT			13.0	STOP BAR
16	118+03.53	118+18.37	MULLANPHY	RT			15.0	STOP BAR
16	118+33.95	118+43.95	MULLANPHY	RT/LT			22.0	PEDESTRIAN CROSSING
16	118+47.95	118+97.95	MULLANPHY	RT		100.0		DOUBLE SOLID
16	118+47.95	118+49.95	MULLANPHY	RT/LT			13.0	STOP BAR
16	118+97.95	153+95.02	MULLANPHY	RT		1165.7		INTERMITTENT
16	118+49.98	131+16.12	MULLANPHY	LT	1266.1			SOLID
17	126+60.13	126+70.13	MULLANPHY	RT/LT			26.0	PEDESTRIAN CROSSING
18	131+16.12	131+26.12	MULLANPHY	RT/LT			30.0	PEDESTRIAN CROSSING
18	132+18.73	134+30.20	MULLANPHY	LT	211.5			SOLID
18	135+17.25	139+46.73	MULLANPHY	LT	429.5			SOLID
18	140+11.58	140+21.58	MULLANPHY	RT/LT			22.0	PEDESTRIAN CROSSING
18	140+21.58	151+60.96	MULLANPHY	LT	1139.4			SOLID
20	152+36.55	152+46.55	MULLANPHY	RT/LT			13.0	PEDESTRIAN CROSSING
20	152+26.96	154+17.39	MULLANPHY	LT	190.4			SOLID
20	153+95.02	154+84.35	MULLANPHY	RT		178.7		SOLID
				SUBTOTAL	4214.6	2060.5	217.0	
				PAY TOTAL	4215	2061	217	

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY: I have reviewed the documents intended to be authorized by my seal are limited to the work, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI — ANDREA S. DAVIS — PE-2018021250 — PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:10:38 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY: HRGreen® 520 MARYVILLE CENTRE DRIVE, STE. 150, ST. LOUIS, MO 63141
ANDREA S. DAVIS PROFESSIONAL ENGINEER LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

QUANTITIES (SHEET 7 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 11 OF 97

4/21/2026 1:53:47 PM \\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-05-13-Quantities.dgn

PERMANENT SIGNING

SHEET	STATION	ROUTE	SIDE	MUTCD SIGN NUMBER	SIZE IN	903-50.04A SH - FLAT SHEET SF	903-12.50A U-CHANNEL POST, 3 LB LF	REMARKS
15	106+52.05	MULLANPHY	RT	W11-2/W16-9P	30" X 30"	8.3	13.5	PEDESTRIAN AND AHEAD
15	106+96.74	MULLANPHY	RT	R2-1	18" X 24"	3.0	13.0	SPEED LIMIT 25 & DESIGNATED DOUBLE FINE ZONE
15	107+70.81	MULLANPHY	RT	-	-	-	10.0	EXISTING "NO TRUCK TRAFFIC" ON NEW POST
15	108+09.87	MULLANPHY	LT	R1-1	30" X 30"	6.25	12.5	STOP AND STREET ID SIGNS
15	108+15.50	MULLANPHY	RT	-	-	-	10.0	EXISTING "STOP FOR PED." AND "LOUD MUSIC" ON NEW POST
15	108+69.66	MULLANPHY	RT	W11-2/W16-7P	30" X 30"	8.44	13.8	PEDESTRIAN AND DIAGONAL ARROW
15	108+80.19	MULLANPHY	LT	W11-2/W16-7P	30" X 30"	8.44	13.8	PEDESTRIAN AND DIAGONAL ARROW
15	110+33.75	MULLANPHY	RT	R1-1	30" X 30"	6.25	12.5	STOP AND STREET ID SIGNS
16	111+75.23	MULLANPHY	RT	R7-1D	12" X 18"	1.5	13.5	"SLOW CHILDREN PLAYING" AND "NO PARKING"
16	111+76.40	MULLANPHY	LT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
16	113+74.71	MULLANPHY	RT	R7-1D	12" X 18"	1.5	11.5	NO PARKING ANY TIME
16	114+72.57	MULLANPHY	RT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
16	114+77.24	MULLANPHY	LT	R2-1	18" X 24"	3	13.0	SPEED LIMIT 25 & DESIGNATED DOUBLE FINE ZONE
16	115+69.06	MULLANPHY	RT	R7-1D	12" X 18"	1.5	11.5	NO PARKING ANY TIME
16	117+45.80	MULLANPHY	RT	R1-1	30" X 30"	6.25	12.5	STOP
16	117+87.01	MULLANPHY	LT	R1-1	30" X 30"	6.25	12.5	STOP
16	118+47.25	MULLANPHY	LT	R1-1	30" X 30"	6.25	12.5	STOP
16	120+34.78	MULLANPHY	RT	R7-1D	12" X 18"	1.5	11.5	NO PARKING ANY TIME
17	121+38.06	MULLANPHY	LT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
17	123+02.06	MULLANPHY	RT	R7-1D	12" X 18"	1.5	11.5	NO PARKING ANY TIME
17	124+18.56	MULLANPHY	RT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
17	126+60.20	MULLANPHY	RT	W11-2/W16-7P	30" X 30"	8.44	13.8	PEDESTRIAN AND DIAGONAL ARROW
17	126+70.49	MULLANPHY	LT	W11-2/W16-7P	30" X 30"	8.44	13.8	PEDESTRIAN AND DIAGONAL ARROW
17	128+47.78	MULLANPHY	RT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
17	128+76.18	MULLANPHY	RT	R7-1D	12" X 18"	1.5	11.5	NO PARKING ANY TIME
17	129+03.55	MULLANPHY	LT	R2-1	18" X 24"	3	13.0	SPEED LIMIT 25 & DESIGNATED DOUBLE FINE ZONE
17	129+69.07	MULLANPHY	LT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
18	131+15.82	MULLANPHY	RT	W11-2/W16-7P	30" X 30"	8.44	13.8	PEDESTRIAN AND DIAGONAL ARROW
18	131+26.10	MULLANPHY	LT	W11-2/W16-7P	30" X 30"	8.44	13.8	PEDESTRIAN AND DIAGONAL ARROW
18	131+50.60	MULLANPHY	LT	R1-1	30" X 30"	6.25	12.5	STOP AND STREET ID SIGNS
18	133+85.67	MULLANPHY	RT	R1-1	30" X 30"	6.25	12.5	STOP AND STREET ID SIGNS
18	134+15.90	MULLANPHY	LT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
18	134+51.56	MULLANPHY	LT	R1-1	30" X 30"	6.25	12.5	STOP AND STREET ID SIGNS
18	135+96.86	MULLANPHY	RT	R2-1	18" X 24"	3	13.0	SPEED LIMIT 25 & DESIGNATED DOUBLE FINE ZONE
18	137+22.12	MULLANPHY	LT	R2-1	18" X 24"	3	13.0	SPEED LIMIT 25 & DESIGNATED DOUBLE FINE ZONE
18	137+25.86	MULLANPHY	RT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
18	139+61.05	MULLANPHY	LT	R1-1	30" X 30"	6.25	12.5	STOP AND STREET ID SIGNS
18	140+11.62	MULLANPHY	RT	W11-2/W16-7P	30" X 30"	8.44	13.8	PEDESTRIAN AND DIAGONAL ARROW
18	140+21.96	MULLANPHY	LT	W11-2/W16-7P	30" X 30"	8.44	13.8	PEDESTRIAN AND DIAGONAL ARROW
19	141+47.20	MULLANPHY	RT	R7-1D	12" X 18"	1.5	11.5	NO PARKING ANY TIME
19	143+40.80	MULLANPHY	LT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
19	149+45.05	MULLANPHY	RT	R7-1D	12" X 18"	1.5	11.5	NO PARKING ANY TIME
19	150+44.66	MULLANPHY	RT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
20	151+78.13	MULLANPHY	LT	R1-1	30" X 30"	6.25	12.5	STOP AND STREET ID SIGNS
20	151+84.68	MULLANPHY	RT	-	-	-	10.0	EXISTING "BLIND PERSON XING" ON NEW POST
20	152+37.12	MULLANPHY	RT	W11-2/W16-7P	30" X 30"	8.44	13.8	PEDESTRIAN AND DIAGONAL ARROW
20	152+46.61	MULLANPHY	LT	W11-2/W16-7P	30" X 30"	8.44	13.8	PEDESTRIAN AND DIAGONAL ARROW
20	153+35.82	MULLANPHY	RT	R1-1	30" X 30"	6.25	12.5	STOP AND STREET ID SIGNS
20	154+68.03	MULLANPHY	LT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
20	156+35.64	MULLANPHY	RT	R1-1	30" X 30"	6.25	12.5	STOP AND STREET ID SIGNS
20	156+44.09	MULLANPHY	LT	R2-1	18" X 24"	3	13.0	SPEED LIMIT 25 & DESIGNATED DOUBLE FINE ZONE
					SUBTOTAL	288.4	651.5	
					PAY TOTAL	288.4	651.5	

COUNTY PROJECT NO. 2302483

FEDERAL PROJECT NO. STP-4901(650)

E-W GATEWAY TIP NO. 7181-23, 7236-23

MSD: 24MSD-00286

MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY: I have exercised the documents intended to be authorized by my seal are limited to the sheet, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI — ANDREA S. DAVIS — PE-2018021250 — PROFESSIONAL ENGINEER

Andrea S. Davis
04/21/2026 4:10:42 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY: HRGreen — 100 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141 — ANDREA S. DAVIS, PROFESSIONAL ENGINEER, LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

QUANTITIES (SHEET 8 OF 9)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 12 OF 97

SEEDING & SOD

PLAN SHEET NO.	STA.	STA.	ROUTE	SIDE	AREA SF	803-10.00 SODDING SY	REMARKS
15	107+81.88	108+12.23	MULLANPHY	LT	242.5	26.9	AROUND RAMP 1
15	108+38.00	108+87.53	MULLANPHY	LT	333.8	37.1	AROUND RAMP 2/2A
15	108+62.15	108+87.15	MULLANPHY	RT	134.7	15.0	AROUND RAMP 3
15	109+63.00	109+90.84	MULLANPHY	RT	75.4	8.4	AROUND RAMP 4
15	110+30.54	110+58.82	MULLANPHY	RT	79.0	8.8	AROUND RAMP 5
16	117+10.03	117+90.45	MULLANPHY	LT	987.3	109.7	AROUND RAMP 6/6A
16	117+39.90	117+86.09	MULLANPHY	RT	187.4	20.8	AROUND RAMP 8/8A
16	118+16.45	119+17.39	MULLANPHY	LT	997.8	110.9	AROUND RAMP 7/7A
16	118+20.08	118+58.75	MULLANPHY	RT	122.2	13.6	AROUND RAMP 9
16	118+58.75	119+48.31	MULLANPHY	RT	48.5	5.4	
16	119+85.86	120+80.14	MULLANPHY	RT	55.7	6.2	
16	120+89.69	121+06.22	MULLANPHY	RT	13.5	1.5	
17	121+15.83	122+10.06	MULLANPHY	RT	357.8	39.8	
17	122+26.85	122+38.89	MULLANPHY	RT	113.9	12.7	
17	122+48.04	123+40.33	MULLANPHY	RT	338.1	37.6	
17	123+76.12	124+70.07	MULLANPHY	RT	205.9	22.9	
17	124+79.28	124+97.96	MULLANPHY	RT	43.1	4.8	
17	125+07.44	126+00.00	MULLANPHY	RT	59.5	6.6	
17	126+16.58	126+56.13	MULLANPHY	RT	20.7	2.3	
17	126+52.57	126+77.59	MULLANPHY	LT	198.7	22.1	AROUND RAMP 10
17	126+56.13	126+95.04	MULLANPHY	RT	165.8	18.4	AROUND RAMP 11/11A
17	127+32.96	127+57.56	MULLANPHY	RT	128.4	14.3	AROUND RAMP 12
17	127+57.56	128+13.61	MULLANPHY	RT	294.4	32.7	
17	128+31.79	128+84.83	MULLANPHY	RT	190.6	21.2	
17	128+93.86	129+49.97	MULLANPHY	RT	41.5	4.6	
17	129+66.34	130+07.95	MULLANPHY	RT	21.6	2.4	
17	130+23.79	130+71.94	MULLANPHY	RT	169.4	18.8	
17	130+91.25	131+12.12	MULLANPHY	RT	28.7	3.2	
18	131+08.62	131+56.51	MULLANPHY	LT	398.5	44.3	AROUND RAMP 13/13A
18	131+12.12	131+30.12	MULLANPHY	RT	61.8	6.9	AROUND RAMP 15
18	131+30.12	131+44.65	MULLANPHY	RT	12.6	1.4	
18	131+54.36	132+49.01	MULLANPHY	RT	122.6	13.6	
18	131+84.29	132+09.34	MULLANPHY	LT	99.7	11.1	AROUND RAMP 14
18	132+66.58	133+20.34	MULLANPHY	RT	314.2	34.9	
18	133+20.34	133+46.12	MULLANPHY	RT	135.1	15.0	AROUND RAMP 16
18	133+85.00	134+08.47	MULLANPHY	RT	53.5	5.9	AROUND RAMP 17
18	134+08.47	134+75.54	MULLANPHY	RT	176.3	19.6	
18	134+23.54	134+49.07	MULLANPHY	LT	72.2	8.0	AROUND RAMP 18
18	134+91.04	135+18.90	MULLANPHY	LT	70.7	7.9	AROUND RAMP 19
18	134+91.81	135+33.80	MULLANPHY	RT	36.4	4.0	
18	135+43.92	136+85.65	MULLANPHY	RT	660.4	73.4	
18	137+04.38	138+63.88	MULLANPHY	RT	781.1	86.8	
18	138+74.23	139+23.33	MULLANPHY	RT	37.5	4.2	
18	138+89.21	139+54.94	MULLANPHY	LT	550.4	61.2	
18	139+23.33	139+46.87	MULLANPHY	RT	53.6	6.0	AROUND RAMP 22
18	139+54.94	139+66.74	MULLANPHY	LT	142.8	15.9	AROUND RAMP 20
18	139+86.72	140+25.58	MULLANPHY	RT	104.1	11.6	AROUND RAMP 23/23A
18	139+92.76	140+24.08	MULLANPHY	LT	275.7	30.6	AROUND RAMP 21/21A
18	140+24.08	140+63.00	MULLANPHY	LT	301.6	33.5	
18	140+25.58	140+79.28	MULLANPHY	RT	37.5	4.2	
19	141+00.43	141+89.33	MULLANPHY	RT	153.5	17.1	
19	141+98.03	142+32.95	MULLANPHY	RT	19.9	2.2	
19	142+50.63	143+39.34	MULLANPHY	RT	58.3	6.5	
19	143+59.30	143+78.83	MULLANPHY	RT	10.2	1.1	
19	144+01.22	144+89.11	MULLANPHY	RT	47.0	5.2	
19	145+08.90	145+31.65	MULLANPHY	RT	12.5	1.4	
19	145+50.17	146+39.08	MULLANPHY	RT	102.6	11.4	
19	146+56.68	146+81.87	MULLANPHY	RT	77.1	8.6	
19	146+99.72	147+89.54	MULLANPHY	RT	335.7	37.3	
19	148+09.85	148+32.44	MULLANPHY	RT	51.3	5.7	
19	148+50.94	149+54.63	MULLANPHY	RT	71.6	8.0	
19	149+54.63	149+76.53	MULLANPHY	RT	49.8	5.5	AROUND RAMP 24
19	150+16.34	150+40.37	MULLANPHY	RT	53.3	5.9	AROUND RAMP 25
19	150+40.37	150+90.83	MULLANPHY	RT	36.0	4.0	
20	151+00.00	151+31.71	MULLANPHY	RT	19.4	2.2	
20	151+09.99	151+71.59	MULLANPHY	LT	534.7	59.4	
20	151+51.57	151+99.24	MULLANPHY	RT	30.2	3.4	
20	151+71.16	151+80.98	MULLANPHY	LT	123.5	13.7	AROUND RAMP 26
20	152+06.97	152+49.02	MULLANPHY	LT	369.4	41.0	AROUND RAMP 27/27A
20	152+18.75	152+32.52	MULLANPHY	RT	11.2	1.2	
					SUBTOTAL A	1369.5	

SEEDING & SOD (CONTINUED)

PLAN SHEET NO.	STA.	STA.	ROUTE	SIDE	AREA SF	803-10.00 SODDING SY	REMARKS
20	152+32.52	152+50.52	MULLANPHY	RT	55.2	6.1	AROUND RAMP 28
20	152+49.02	152+85.78	MULLANPHY	LT	225.4	25.0	
20	152+50.52	152+69.15	MULLANPHY	RT	11.7	1.3	
20	152+69.15	153+05.00	MULLANPHY	RT	270.5	30.1	AROUND RAMP 29
20	152+93.94	1153+03.94	MULLANPHY	LT	4.4	0.5	
20	153+31.35	153+66.03	MULLANPHY	RT	323.1	35.9	AROUND RAMP 30
20	153+66.03	154+18.09	MULLANPHY	RT	132.7	14.7	
20	154+27.75	154+44.27	MULLANPHY	RT	145.8	16.2	
20	154+54.26	155+03.78	MULLANPHY	RT	42.9	4.8	
20	155+21.34	155+55.05	MULLANPHY	RT	17.0	1.9	
20	155+55.05	156+05.35	MULLANPHY	RT	369.2	41.0	AROUND RAMP 31
20	156+31.10	156+53.27	MULLANPHY	RT	80.0	8.9	AROUND RAMP 32
					SUBTOTAL B	186.4	
					SUBTOTAL A	1369.5	
					PAY TOTAL	1556	

TEMPORARY EROSION CONTROL

SHEET	STATION	STATION	ROUTE	SIDE	806-45.10 INLET PROTECTION DEVICE, SINGLE UNIT - GRAVEL FILTER BAG EA	806-45.13 INLET PROTECTION DEVICE, DOUBLE UNIT - GRAVEL FILTER BAG EA	806-70.00 SILT FENCE LF	REMARKS
15	107+87.71		MULLANPHY	LT		1		
15	99+57.95		MULLAN DR	LT		1		
15	99+59.86		MULLAN DR	RT	1			
15	99+60.76		MULLAN DR	LT	1			
16	114+24.09		MULLANPHY	LT		1		
16	117+68.13		MULLANPHY	LT	1			
16	117+69.13		MULLANPHY	RT	1			
16	299+58.90		LOVELAND DR	LT	1			
16	299+60.36		LOVELAND DR	RT	1			
16	120+19.68		MULLANPHY	LT	1			
16	120+31.80		MULLANPHY	RT	1			
17	124+87.49		MULLANPHY	LT	1			
17	124+87.74		MULLANPHY	RT	1			
17	128+12.14		MULLANPHY	RT	1			
17	128+13.11		MULLANPHY	LT	1			
18	131+36.90		MULLANPHY	LT	1			
18	499+59.08		ASPEN DR	LT	1			
18	499+60.00		ASPEN DR	RT	1			
18	132+11.76		MULLANPHY	RT	1			
18	132+11.80		MULLANPHY	LT	1			
18	134+00+60		MULLANPHY	RT	1			
18	699+52.62		FERNBROOK DR	RT	1			
18	699+58.09		FERNBROOK DR	RT	1			
18	135+00.00	137+00.00	MULLANPHY	RT			200	
18	138+00.00	139+00.00	MULLANPHY	RT			100	
18	138+21.51		MULLANPHY	LT		1		
18	139+30.96		MULLANPHY	LT	1			
18	139+31.43		MULLANPHY	RT	1			
18	899+52.52		TYSON DR	LT	1			
18	899+62.08		TYSON DR	RT	1			
19	141+59.91		MULLANPHY	LT	1			
19	141+61.48		MULLANPHY	RT	1			
19	148+25.11		MULLANPHY	LT	1			
19	148+25.51		MULLANPHY	RT	1			
20	155+69.46		MULLANPHY	RT	1			
				SUBTOTAL	29	4	300	
				PAY TOTAL	29	4	300	

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to the sheet, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S. Davis
04/21/2026 4:10:44 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY: HRGreen
HRGreen®
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

QUANTITIES (SHEET 9 OF 9)

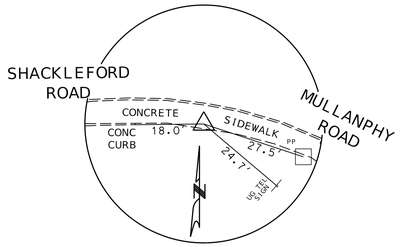
DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 13 OF 97

SCALE

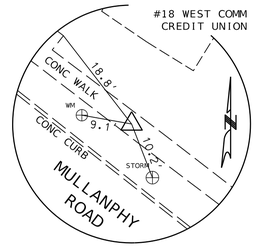
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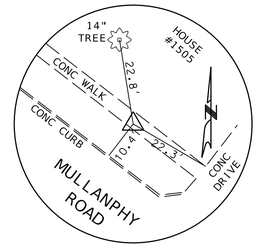
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GUARD CABLE	
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FIBER OPTICS	T/FO
UNDERGROUND CABLE TV	UTV
UNDERGROUND TELEPHONE	UT
OVERHEAD POWER	OE
UNDERGROUND POWER	UE
SANITARY SEWER	S
STORM SEWER	
GAS (ALL SHOWN PER MAP)	G
WATER (ALL SHOWN PER MAP)	W
LOCATION PER MAP	(MAP)
SANITARY MANHOLE	SAN
STORM MANHOLE	STORM
FIRE HYDRANT	HYD
WATER VALVE	WV
WATER METER	WM
IRRIGATION CONTROL VALVE	ICV
DROP INLET	DI
GUY WIRE	
GROUND MOUNTED SIGN	SIGN
LIGHT POLE	
GAS LIGHT POLE	GL
YARD LIGHT	YL
UTILITY POLE	PP
TELEPHONE PEDESTAL	T RISER
CABLE PEDESTAL	
UTILITY PULLBOX	
BENCHMARK	BM
CROSSWALK STRIPES	
TRAFFIC SIGNAL	
CLEANOUT	CO
LANDSCAPING AREA	LA
TRAFFIC SIGNAL CONTROL BOX	
TRUNCATED DOME	TD



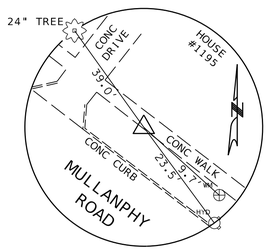
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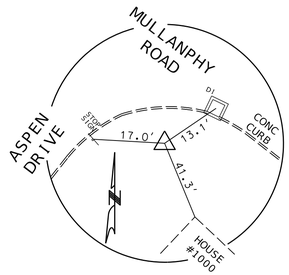
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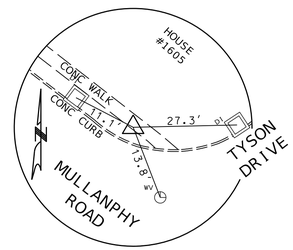
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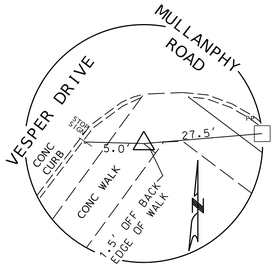
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E: 865957.726
EL: 521.25



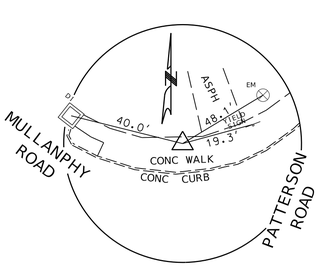
CONTROL POINT NO. 6
80D NAIL
N: 1083443.924
E: 866460.965
EL: 522.65



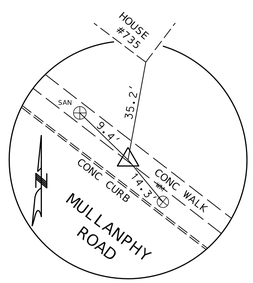
CONTROL POINT NO. 7
CUT 'X' IN
CONCRETE SIDEWALK
N: 1083147.074
E: 866923.637
EL: 519.47



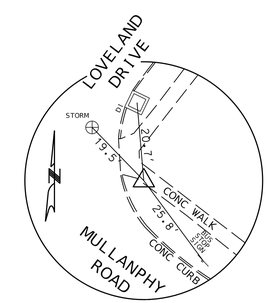
CONTROL POINT NO. 9
CUT 'X' IN
CONCRETE SIDEWALK
N: 1082252.295
E: 867998.916
EL: 514.81



CONTROL POINT NO. 10
CUT 'X' IN
CONCRETE SIDEWALK
N: 1082017.968
E: 868419.572
EL: 513.56



CONTROL POINT NO. 8
CUT 'X' IN
CONCRETE SIDEWALK
N: 11082662.310
E: 867552.350
EL: 514.83



CONTROL POINT NO. 4
CUT 'X' IN
CONCRETE SIDEWALK
N: 1084437.864
E: 865256.151
EL: 526.47

SURVEY NOTES:

1. HORIZONTAL CONTROL STATEMENT: STATE PLANE COORDINATES ON THIS PROJECT WERE ESTABLISHED UTILIZING THE MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION GLOBAL NAVIGATION SATELLITE REAL TIME NETWORK FOR CONTINUOUSLY OPERATING REFERENCE STATIONS DURING JANUARY, 2024 AND ARE BASED ON THE MISSOURI COORDINATE SYSTEM OF 1983, EAST ZONE. THE AVERAGE COMBINED PROJECT GRID FACTOR IS 0.9999122 CALCULATED BY TRIMBLE GEOMATICS OFFICE.

2. PROJECT COORDINATES ARE MODIFIED MISSOURI STATE PLANE COORDINATES AND WERE ESTABLISHED BY APPLYING THE INVERSE OF THE PROJECT GRID FACTOR (1.0000878) ABOUT THE ORIGIN (0,0). AS CALCULATED BY EFK MOEN, LLC.

3. VERTICAL DATUM IS NAVD 88. AN ELEVATION WAS ESTABLISHED ON CONTROL POINT #1, USING THE TRIMBLE R10 ROVER AND BASED ON THE MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION GLOBAL NAVIGATION SATELLITE REAL TIME NETWORK FOR CONTINUOUS OPERATING REFERENCE STATIONS. A CONVENTIONAL BENCHMARK LEVEL LOOP WAS USED TO ESTABLISH ELEVATIONS ON CONTROL POINTS 1 THROUGH 10. FIELD WORK WAS PERFORMED DURING JANUARY, 2024.

PROJECT BENCHMARK:
ST. LOUIS COUNTY BENCHMARK 4097
ELEVATION=545.55(NAVD88)
"L" ON THE NORTHEAST CORNER OF THE BOTTOM STEP OF SIX STEPS, AT THE ENTRANCE TO THE EAST SIDE OF BAPTIST CHURCH AT #1185 MULLANPHY ROAD; ON THE SOUTHWEST CORNER OF SHACKELFORD ROAD AND MULLANPHY ROAD.
SITE BENCHMARKS:
TBM #1 ELEVATION=547.66: CUT "L" ON SOUTWEST CORNER OF TRAFFIC SIGNAL CONTROL BOX AT NORTHEAST CORNER OF SHACKELFORD AND MULLANPHY.
TBM #2 ELEVATION=520.87: CUT "L" ON SOUTH EDGE OF CONCRETE WALK ON STREET AT 1103 GREELEY DRIVE.
TBM #3 ELEVATION=515.06: CUT "L" ON THE NORTHEAST CORNER OF TRAFFIC SIGNAL CONTROL BOX AT NORTHEAST CONRER OF PATTERSON AND MULLANPHY.

4. THE UNDERGROUND UTILITIES SHOWN HEREON ARE TAKEN FROM UTILITY LOCATIONS AS MARKED IN THE FIELD BY DIGRITE FOR THE TICKET NUMBERS: 240050234, 240050235, 240050236, 240050237, 240050238, 240050239, 240050240, 240050241, 240050242 (01/05/24); UTILITY COMPANIES THAT HAVE SUBSCRIBED ARE AS FOLLOWS:
AMEREN MISSOURI ELECTRIC, AMEREN MISSOURI FIBER, ATT DISTRIBUTION, CHARTER COMMUNICATIONS, MISSOURI AMERICAN WATER, MCI, SPIRE MISSOURI EAST, ST.LOUIS MSD, AND ST. LOUIS COMPANY TRANSPORTATION.

THE MISSOURI ONE CALL TICKET CHECK RESPONSES TO THE UTILITY MARKING FOR THE ABOVE TICKETS ARE PROVIDED AS SEPARATE SUPPORTING DOCUMENTS.

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319, RSMO.

NOTE: UTILITY LINES DESIGNATED AS (MAP) ARE SHOWN PER MAP RECORDS PROVIDED TO EFK, MOEN AND THE LOCATION SHOULD BE CONSIDERED APPROXIMATE.

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby state that the documents intended to be authorized by my seal are limited to the sheets I sealed and I hereby disclaim any responsibility for all other documents, specifications or Estimates. Reports or other documents or instruments relating to or intended to be used with any project for any engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S. Davis
04/21/2026 4:10:47 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
HRGreen.com
520 MARKVILLE AT CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
(314) 579-0100 (314) 579-0101
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Fleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

REFERENCE TIES (SHEET 1 OF 1)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 14 OF 97

SCALE 1"=20'

0 20 40 60

PROPERTY N/F
LAND WEST #7 LLC
LOCATOR NO. 06K220914
DB 18905 PG 1819
1200 SHACKELFORD RD.

PROPERTY N/F
MULLANPHY GARDENS ACQUISITIONS LLC
LOCATOR NO. 06K220941
DB 17663 PG 4162
1 MULLANPHY GARDENS SHOPPING CENTER

SHACKLEFORD ROAD

EXIST. R/W

GAS TANK ACCESS LID (TYPICAL)

EX SAN MH T=544.86 FL=536.76

CLEANOUT (NO ACCESS)

SIGN W/ BRICK BASE

SIGN ON TWO 3'x3' BRICK COLUMNS

EX CURB INLET (NO MSD#) T=541.70 FL=538.00 (DEBRIS)

EX D. CURB INLET (NO MSD#) T=541.51 FL=536.86

4" STEEL BOLLARD

ASPHALT DRIVE/PARKING

USPS MAILBOX

CABLE DROP

BENCH

BUS STOP

CONCRETE ENTRANCE

CONC ISLAND

POSSIBLE SAN MANHOLE 06K4-002S T=544.96 (MSD PAINT "MH")

MULLANPHY RD ℄

S52°23'14"E

MULLANPHY ROAD

ASPHALT PAVEMENT

CONCRETE PAVEMENT

ASPHALT PARKING

GRASS

CONC CURB

CONC SIDEWALK

MATCHLINE STA. 106+00.00

105

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

PROPERTY N/F
TCC SHACKELFORD LLC
LOCATOR NO. 07K511403
DB 21354 PG 1466
1160 SHACKELFORD ROAD

253 PG 14

PROPERTY N/F
MULLANPHY GARDENS ACQUISITIONS LLC
LOCATOR NO. 06K220941
DB 17663 PG 4162
1 MULLANPHY GARDENS SHOPPING CENTER

EX GRATE INLET W/ SIDE INTAKE 07K2-003D T=539.21 FL=534.66 (UIP)

EX D. CURB INLET 07K2-005D T=539.56 FL=534.76 (UIP)

EX STORM MH (NO MSD#) T=540.53 FL(E)=536.53 FL=535.73 (UIP)

2'x4' PULLBOX (SPECTRUM) (UIP)

BEGIN PROJECT MILL & OVERLAY STA. 106+91.07

CONST. LIMITS

EXIST. R/W

LOT 7
PROPERTY N/F
WILLIAM M. & ANTOINETTE M. MARTIN
LOCATOR NO. 07K541272
DB 7104 PG 0566
1595 MULLANPHY ROAD

STA. 99+53.00 MULLAN END MILL & OVERLAY PARTIAL DEPTH SAWCUT

EX CURB INLET (UIP) 07K2-002D T=538.64 FL=534.94

25' TRANSITION

CONST. LIMITS

5'W. CONC. SIDEWALK

5' ℄ EASEMENT (PB. 95)

LOT 8
PROPERTY N/F
MARY T. TOCCO ETAL
LOCATOR NO. 07K541272
DB 7104 PG 0566
1575 MULLANPHY ROAD

LOT 9
PROPERTY N/F
VB ONE LLC
LOCATOR NO. 07K541173
DB 25388 PG 3081
1565 MULLANPHY ROAD

110

MULLAN DRIVE

RAMP 1

RAMP 2

RAMP 2A

RAMP 3

RAMP 4

RAMP 5

CONC CURB (CRUMBLING & MISSING PARTS)

ASPH CURB

ASPHALT DRIVE/PARKING

LANDSCAPE

CONCRETE ENTRANCE

18" RCP

24" RCP

12" RCP

2'x3' PULLBOX (CHANELL)

CABLE DROP (UIP)

48" CHAIN LINK FENCE

EX SAN MH 06K3-100S T=541.13 FL=527.88

EX STORM MH 07K2-006D T=538.85 FL=533.80 (ATG)

REMOVE EXIST. CURB RAMP

10" VCP

10' EASEMENT (PB. 93 PG. 10)

PSE

CONST. LIMITS

14' TRANSITION

EX SAN MH 07K2-006S T=535.76 FL=521.61 (ATG)

STA. 200+29.50 ASPEN END MILL & OVERLAY PARTIAL DEPTH SAWCUT

ASPEN DRIVE

ASPHALT PAVEMENT 10"

STA. 100+00.00 MULLAN = STA. 108+24.98 MULLANPHY

STA. 200+00.00 ASPEN = STA. 110+10.38 MULLANPHY

MATCHLINE STA. 111+00.00

PROPERTY N/F
TCC SHACKELFORD LLC
LOCATOR NO. 07K511403
DB 21354 PG 1466
1160 SHACKELFORD ROAD

1

PROPERTY N/F
CECIL M. MAXIE
LOCATOR NO. 07K541348
DB 24924 PG 2615
1600 MULLANPHY ROAD

LOT 1
PROPERTY N/F
VB TWO LLC
LOCATOR NO. 07K541128
DB 24594 PG 4039
1570 MULLANPHY ROAD

LOT 11
PROPERTY N/F
WAYNE & RHONDA MARICLE
LOCATOR NO. 07K541041
DB 17801 PG 4194
1570 ASPEN ROAD

NOTES:

1) ALL STATIONS & OFFSETS GIVEN TO THE MULLANPHY RD ℄ UNLESS NOTED OTHERWISE.

2) FINAL SIZE & LOCATION OF FULL-DEPTH PAVEMENT REPAIR & TYPE S CURB REPLACEMENT SHALL BE CONFIRMED BY THE ENGINEER.

LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (ENTRANCE, MEDIAN, SIDE ROADS & SIDEWALK)

COUNTY PROJECT NO. 2302483

FEDERAL PROJECT NO. STP-4901(650)

E-W GATEWAY TIP NO. 7181-23, 7236-23

MSD: 24MSD-00286

MSD BASE MAP: 07J, 07K

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I have prepared the documents intended to be authorized by my seal are limited to the items I have sealed and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of this engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S. Davis
04/21/2026 4:10:55 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
120 MAPLEVALE LEE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Fleurissant 1796 Est. City of Florissant

MULLANPHY ROAD RESURFACING

ROADWAY PLAN (SHEET 1 OF 6)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 15 OF 97

\\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-15-Plan01.dgn 1:53:57 PM 4/21/2026

SCALE 1"=20'
0 20 40 60

LOT 10
PROPERTY N/F
DAVID W. & ROSE M. HOLMES
LOCATOR NO. 07K541139
DB 22232 PG 2650
1545 MULLANPHY ROAD

LOT 11
PROPERTY N/F
LYNDON & JENNIFER BOEHIKE
LOCATOR NO. 07K541096
DB 15979 PG 0334
1525 MULLANPHY ROAD

LOT 12
PROPERTY N/F
KATHERINE BOGGS, TRUSTEE AND BRUCE WESLY BOGGS, TRUSTEE OF THE ARLENE KATHERINE BOGGS AND BRUCE WESLEY BOGGS REVOCABLE LIVING TRUST DATED 5/5/2000.
LOCATOR NO. 07K541096
DB 22888 PG 3116
1505 MULLANPHY ROAD

LOT 13
PROPERTY N/F
CEREERUS SFR HOLDINGS LP
LOCATOR NO. 07K541007
DB 22726 PG 3222
1495 MULLANPHY ROAD

LOT 14
PROPERTY N/F
KI PROPERTIES SOLUTIONS LLC
LOCATOR NO. 07K540985
DB 24420 PG 5903
1485 MULLANPHY ROAD

LOT 15
PROPERTY N/F
PHILLIP MICHAEL JOKERST
LOCATOR NO. 07K540921
DB 23854 PG 5198
1465 MULLANPHY ROAD

LOT 16
PROPERTY N/F
VB ONE LLC
LOCATOR NO. 07K540886
DOC. # 2022041500071
1445 MULLANPHY ROAD

115

MATCHLINE STA. 111+00.00

MATCHLINE STA. 116+00.00

EXIST. R/W

EX STORM MH
NO MSD#
T=532.30
FL(SW)=527.90
FL=527.05
(UIP)

EX D. CURB INLET
07K2-007D
T=532.40
FL=528.25
(UIP)

12"RCP

MULLANPHY ROAD

MULLANPHY RD ℄

S52°23'14"E

ASPHALT PAVEMENT

CABLE DROP

LANDSCAPE AREA
6"BRICK
(UIP)

REMOVE & REPLACE CONCRETE SIDEWALK
STA. 114+32.00 TO
STA. 114+49.69

EXIST. R/W

MSD LEGEND
DISTURBED AREA

LOT 10
PROPERTY N/F
ANNE CALLAWAY
LOCATOR NO. 07K541018
DB 17981 PG 1061
1530 MULLANPHY ROAD

LOT 9
PROPERTY N/F
CHRISTOPHER EVANS & CHRISTINA GALVIN
LOCATOR NO. 07K540974
DB 17906 PG 4825
1520 MULLANPHY ROAD

LOT 8
PROPERTY N/F
MARK GRZECHOWIAK
LOCATOR NO. 07K540930
DB 19016 PG 747
1510 MULLANPHY ROAD

LOT 7
PROPERTY N/F
RTL LIVING LLC
LOCATOR NO. 07K540897
DOC. # 2023071900208
1490 MULLANPHY ROAD

LOT 6
PROPERTY N/F
Y.A.D. HOLDINGS LLC
LOCATOR NO. 07K540853
DB.19987 PG. 431
1480 MULLANPHY ROAD

LOT 5
PROPERTY N/F
CHRISTOPHER & LOTONYA MITCHELL
LOCATOR NO. 07K540811
DOC. # 2023061600535
1470 MULLANPHY ROAD

LOT 4
PROPERTY N/F
MOHAMED ABDELMABAD
LOCATOR NO. 07K540776
DOC. # 2022071100682
1460 MULLANPHY ROAD

LOT 3
PROPERTY N/F
AARON D. YODER ETAL
LOCATOR NO. 07K540710
DB. 17788 PG. 3638
1440 MULLANPHY ROAD

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

LOT 17
PROPERTY N/F
THEODORE C. & MARIAN E. FEICK
LOCATOR NO. 07K540831
DB. 17366 PG. 1596
1425 MULLANPHY ROAD

LOT 18
PROPERTY N/F
DAVID W. & ROSE M. HOLMES
LOCATOR NO. 07K540798
DB. 21080 PG. 1672
1405 MULLANPHY ROAD

EX CURB INLET
07K2-045D
T=527.24
FL=524.04
(ATG)

CONST. LIMITS

LANDSCAPE AREA
6"BRICK

EX CURB INLET
07K2-044D
T=528.16
FL=522.96
(CONVERT TO MANHOLE)

TYPE S CURB

EXIST. R/W

LOVELAND DRIVE

STA. 299+50.00 LOVELAND
END MILL & OVERLAY

25' TRANSITION

EX CURB INLET
07K2-046D
T=527.14
FL=523.34(ATG)

STA. 118+71.40
P.E. 9.3' W. CONC.

EX TEE FITTING
07K2-047D

EX STORM MH
07K2-043D
T=527.36
FL(N)(SE)=521.36
FL=520.51
(ATG)

STA. 300+00.00 LOVELAND =
STA. 118+03.53 MULLANPHY

MULLANPHY ROAD

MULLANPHY RD ℄

S52°23'14"E

EXIST. R/W

CONST. LIMITS

14' TRANSITION
STA. 300+29.27 LOVELAND
END MILL & OVERLAY
PARTIAL DEPTH SAWCUT

5'W. CONC. SIDEWALK

STA. 119+58.17
P.E. 19.3' W. CONC.

STA. 119+76.85
P.E. 18.0' W. CONC.

STA. 120+84.91
P.E. 9.6' W. CONC.

TYPE S CURB
STA. 120+95.93 TO
STA. 121+00.00

5' EASEMENT (PB. 74 PG. 18)

120

MATCHLINE STA. 121+00.00

LOT 3
PROPERTY N/F
AARON D. YODER ETAL
LOCATOR NO. 07K540710
DB. 17788 PG. 3638
1440 MULLANPHY ROAD

LOT 2
PROPERTY N/F
BRIAN & KRISTENE HOLMES
LOCATOR NO. 07K540699
DOC. 2022092200455
1420 MULLANPHY ROAD

LOT 1
PROPERTY N/F
DANIEL P. MAYSE
LOCATOR NO. 07K540633
DB. 8643 PG. 1863
1125 LOVELAND DRIVE

LOT 13
PROPERTY N/F
TERRENCE MOODY
LOCATOR NO. 07K540556
DOC. # 2022072600317
1102 LOVELAND DRIVE

LOT 12
PROPERTY N/F
BELINDA TUCKER
LOCATOR NO. 07K630547
DB. 19068 PG. 812
1360 MULLANPHY ROAD

LOT 11
PROPERTY N/F
ALICE VERNER
LOCATOR NO. 07K630503
DB. 21807 PG. 588
1340 MULLANPHY ROAD

LOT 10
PROPERTY N/F
PAIGE RYAN
LOCATOR NO. 07K630448
DB. 24804 PG. 1714
1320 MULLANPHY ROAD

LOT 204
PROPERTY N/F
LYNNETTE K. PARKER
LOCATOR NO. 07K630789
DB. 9414 PG. 1645
1395 MULLANPHY ROAD

LOT 205
PROPERTY N/F
MARGERY A. & GEORGE G. TYSON
LOCATOR NO. 07K630723
DB. 16593 PG. 2221
1375 MULLANPHY ROAD

LOT 206
PROPERTY N/F
BOBRIE GLENN
LOCATOR NO. 07K630668
DB. 12470 PG. 1136
1355 MULLANPHY ROAD

LOT 207
PROPERTY N/F
RENTSTL LLC
LOCATOR NO. 07K630602
DB. 21594 PG. 1369
1335 MULLANPHY ROAD

NOTES:

1) ALL STATIONS & OFFSETS GIVEN TO THE MULLANPHY RD ℄ UNLESS NOTED OTHERWISE.

2) FINAL SIZE & LOCATION OF FULL-DEPTH PAVEMENT REPAIR & TYPE S CURB REPLACEMENT SHALL BE CONFIRMED BY THE ENGINEER.

LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (ENTRANCE, MEDIAN, SIDE ROADS & SIDEWALK)

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS				
REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S Davis
04/21/2026 4:11:00 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
555 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Pleurissant 1796 City of Florissant Est.

MULLANPHY ROAD RESURFACING

ROADWAY PLAN (SHEET 2 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 16 OF 97

\\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-16-Plan02.dgn 1:54:01 PM 4/21/2026

LOT 207
PROPERTY N/F
RENTSTL LLC
LOCATOR NO. 07K630602
DB. 21594 PG. 1369
1335 MULLANPHY ROAD

LOT 208
PROPERTY N/F
NORMAN R. & JUDITH A. SCHEIG
LOCATOR NO. 07K630536
DB. 6755 PG. 2127
1315 MULLANPHY ROAD

LOT 209
PROPERTY N/F
KI PROPERTIES SOLUTIONS LLC
LOCATOR NO. 07K630471
DB. 24322 PG. 2074
1295 MULLANPHY ROAD

LOT 210
PROPERTY N/F
HOME SFR BORROWER III, LLC
LOCATOR NO. 07K630415
DB. 22642 PG. 555
1285 MULLANPHY ROAD

LOT 211
PROPERTY N/F
FOSTON PROPERTIES LLC
LOCATOR NO. 07K630350
DB. 22678 PG. 3140
1275 MULLANPHY ROAD

LOT 212
PROPERTY N/F
MO HOUSING &
RE DEVELOPMENT, LLC
LOCATOR NO. 07K630295
DB. 20996 PG. 2114
1255 MULLANPHY ROAD

LOT 213
PROPERTY N/F
ANDREW C. WILSON
LOCATOR NO. 07K630228
DB. 15842 PG. 1814
1235 MULLANPHY ROAD

SCALE 1"=20'
0 20 40 60

MATCHLINE STA. 121+00.00

MATCHLINE STA. 126+00.00

EXIST. R/W

MULLANPHY ROAD

MULLANPHY RD ℄

S52°23'14"E

ASPHALT PAVEMENT

6'W. CONC. SIDEWALK SMALL BLOCK RETAINING WALL

8"KEYSTONE BLOCKS

4" BRICK

CONST. LIMITS

5'W. CONC. SIDEWALK

EXIST. R/W

EX STORM MH
07K2-061D
T=522.79
FL=516.59

EX CURB INLET
07K2-062D
T=519.84
FL=513.94(UIP)

10' EASEMENT (PB. 95 PG. 50)

5' EASEMENT (PB. 95 PG. 50)

TYPE S CURB
STA. 129+68.55 TO
STA. 129+83.55

TYPE S CURB
STA. 129+99.75 TO
STA. 130+24.75

EX GRATE INLET
W/ SIDE INTAKE
07K2-063D(UIP)
T=519.28
FL=513.03

36"RCP

STA. 121+11.03
P.E. 9.6' W. CONC.

STA. 122+18.53
P.E. 16.8' W. CONC.

STA. 122+43.39
P.E. 9.3' W. CONC.

STA. 123+49.39
P.E. 17.6' W. CONC.

STA. 123+67.68
P.E. 16.9' W. ASPH.

STA. 124+74.70
P.E. 9.3' W. ASPH.

STA. 125+02.70
P.E. 9.5' W. CONC.

① BEGIN SIDEWALK TAPER
STA. 121+20.83
② END SIDEWALK TAPER
BEGIN RETAINING WALL
STA. 121+30.83
③ END RETAINING WALL
STA. 122+03.73
④ BEGIN SIDEWALK TAPER
STA. 122+54.64
⑤ END SIDEWALK TAPER
STA. 122+64.63

3 LOT 9
PROPERTY N/F
BRYANT WOODARD
LOCATOR NO. 07K630404
DB. 24412 PG. 2677
1310 MULLANPHY ROAD

4 LOT 8
PROPERTY N/F
GWENDOLYN M. GRAHAM
LOCATOR NO. 07K630349
DB. 23664 PG. 431
1300 MULLANPHY ROAD

5 LOT 7
PROPERTY N/F
STANLEY & ATHENA TURNER
LOCATOR NO. 07K630284
DB. 17494 PG. 2845
1290 MULLANPHY ROAD

6 LOT 6
PROPERTY N/F
FT PACIFIC RENTAL LLC
LOCATOR NO. 07K630240
DB. 21815 PG. 1052
1280 MULLANPHY ROAD

7 LOT 5
PROPERTY N/F
ANDREW R. WALLEY
LOCATOR NO. 07K630185
DB. 24002 PG. 906
1270 MULLANPHY ROAD

8 LOT 4
PROPERTY N/F
TRIPLE M HOLDINGS LLC
LOCATOR NO. 07K630130
DB. 22570 PG. 1363
1260 MULLANPHY ROAD

9 LOT 3
PROPERTY N/F
LUKE GRAHAM
LOCATOR NO. 07K630086
DB. 23950 PG. 1073
1240 MULLANPHY ROAD

LOT 2
PROPERTY N/F
JOSEPH JOHN CERIOTTI, TRUSTEE OF THE JOSEPH JOHN CERIOTTI & JUNE CAROL CERIOTTI INDENTURE OF TRUST
LOCATOR NO. 07K630086
DB. 21787 PG. 332
1220 MULLANPHY ROAD

LOT 214
PROPERTY N/F
JAMES W. JACKSON JR. &
LEATA M. JACKSON
LOCATOR NO. 07K630152
DB. 10153 PG. 2232
1215 MULLANPHY ROAD

LOT 215
PROPERTY N/F
SMP HOMES 3B LLC
LOCATOR NO. 07K630107
DB. 22304 PG. 3647
1195 MULLANPHY ROAD

LOT 216
PROPERTY N/F
KIMBERLY E. CARSON
LOCATOR NO. 07K630064
DB. 18642 PG. 3670
1175 MULLANPHY ROAD

LOT 217
PROPERTY N/F
MAOR 888E8 LLC
LOCATOR NO. 07K611342
DB. 20155 PG. 823
1155 MULLANPHY ROAD

LOT 218
PROPERTY N/F
JONATHAN WELLS
LOCATOR NO. 07K611298
DB. 17887 PG. 4993
1145 MULLANPHY ROAD

LOT 219
PROPERTY N/F
THE GILLIAN ROACH
LIVING TRUST
LOCATOR NO. 07K611243
DB. 22760 PG. 2262
1125 MULLANPHY ROAD

LOT 220
PROPERTY N/F
UP & UP FUND II MO LLC
LOCATOR NO. 07K611188
DOC. # 2022062300112
1605 ASPEN DRIVE

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

MATCHLINE STA. 126+00.00

MATCHLINE STA. 131+00.00

CONST. LIMITS

RAMP 10

EXIST. R/W

STA. 400+00.00 GREELEY =
STA. 127+14.97 MULLANPHY

SIGN (TBR)

RAMP 11

RAMP 11A

RAMP 12

14' TRANSITION
STA. 400+29.13 GREELEY
END MILL & OVERLAY
PARTIAL DEPTH SAWCUT

EXIST. R/W

CONST. LIMITS

5'W. CONC. SIDEWALK

EXIST. R/W

12" CONCRETE RETAINING WALL

EX GRATE INLET
W/ SIDE INTAKE
07K2-143D
T=518.84
FL=515.54
(ATG)

EX GRATE INLET
W/ SIDE INTAKE
07K2-144D
T=518.60
FL=±516.00 (SILT)
(ATG)

15"RCP

12"RCP

STA. 126+08.33
P.E. 16.5' W. CONC.

STA. 128+22.89
P.E. 18.2' W. CONC.

STA. 128+89.34
P.E. 9.0' W. CONC.

STA. 129+58.15
P.E. 16.4' W. CONC.

STA. 130+17.22
P.E. 15.8' W. CONC.

STA. 130+81.59
P.E. 19.3' W. CONC.

1 LOT 1
PROPERTY N/F
TANYA SMITH-THOMPSON &
WILLIAM THOMPSON JR.
LOCATOR NO. 07K611331
DB. 24192 PG. 2339
1103 GREELEY DRIVE

10 LOT 1
PROPERTY N/F
BRETT SMITH
LOCATOR NO. 07K611265
DB. 24022 PG. 1687
1160 MULLANPHY ROAD

11 LOT 2
PROPERTY N/F
VB TWO, LLC
LOCATOR NO. 07K611210
DB. 24590 PG. 1786
1140 MULLANPHY ROAD

LOT 3
PROPERTY N/F
SMP HOMES 3B LLC
LOCATOR NO. 07K611166
DB. 22304 PG. 3647
1130 MULLANPHY ROAD

LOT 4
PROPERTY N/F
CHRISTOPHER W. THORNBURGH
LOCATOR NO. 07K611111
DB. 24367 PG. 22
1120 MULLANPHY ROAD

12 LOT 5
PROPERTY N/F
VB TWO, LLC
LOCATOR NO. 07K611078
DB. 24590 PG. 1789
1100 MULLANPHY ROAD

13 LOT 6
PROPERTY N/F
LEZELL A. BROWN
LOCATOR NO.
07K611023
DOC. #
2023081800234
1080 MULLANPHY
ROAD

NOTES:

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2) FINAL SIZE & LOCATION OF FULL-DEPTH PAVEMENT REPAIR & TYPE S CURB REPLACEMENT SHALL BE CONFIRMED BY THE ENGINEER.

LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (ENTRANCE, MEDIAN, SIDE ROADS & SIDEWALK)

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to only those and I hereby disclaim any responsibility for all other documents, specifications or Estimates. Reports or other documents or instruments relating to or intended to be used for any part of this engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S Davis
04/21/2026 4:11:04 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
33 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314-432-0550 FAX: 314-432-0551
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

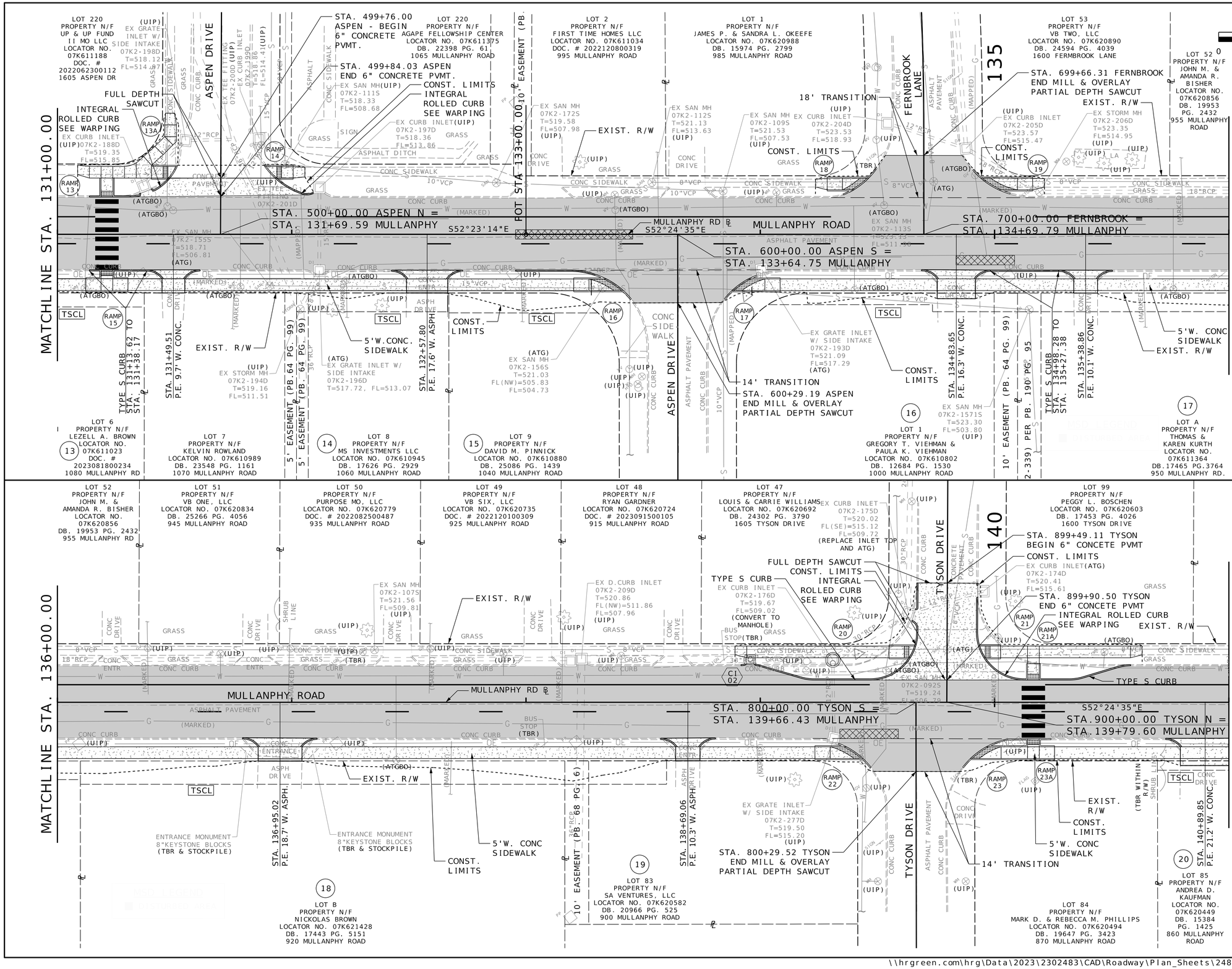
St. Ferdinand de Fleurissant 1796 Est. City of Florissant

MULLANPHY ROAD RESURFACING

ROADWAY PLAN
(SHEET 3 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 17 OF 97

\\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-17-Plan03.dgn 1:54:06 PM 4/21/2026



UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

NOTES:

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2) FINAL SIZE & LOCATION OF FULL-DEPTH PAVEMENT REPAIR & TYPE S CURB REPLACEMENT SHALL BE CONFIRMED BY THE ENGINEER.

LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (ENTRANCE, MEDIAN, SIDE ROADS & SIDEWALK)

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS			
REV	DATE	BY	APP'D
		DESCRIPTION	

DISCLAIMER OF RESPONSIBILITY: I hereby state that the documents intended to be authorized by my seal are true and correct to the best of my knowledge, and I hereby disclaim any responsibility for all other documents, including Opinion of Estimates. Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI — ANDREA S. DAVIS PE-2018021250 — PROFESSIONAL ENGINEER
Andrea S. Davis
04/21/2026 4:11:10 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY: HRGreen — 320 MARKET AVE. | SOUTH ROOM, STE. 100, ST. LOUIS, MO 63101 | 314.241.1976 | HRGREEN.COM
ANDREA S. DAVIS PROFESSIONAL ENGINEER LICENSE NO. 2018021250

Bt. Fontinsant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

ROADWAY PLAN (SHEET 4 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 18 OF 97

SCALE 1"=20'
0 20 40 60

MATCHLINE STA. 141+00.00

MATCHLINE STA. 146+00.00

MATCHLINE STA. 151+00.00

MULLANPHY ROAD

MULLANPHY RD ℄

S52°24'35"E

ASPHALT PAVEMENT (MARKED)

LOT 100
PROPERTY N/F
KAREN F. & RICHARD L. WIND
LOCATOR NO. 07K620559
DB. 7002 PG. 0122
855 MULLANPHY ROAD

PROPERTY N/F
PATRICK M. &
TANYA E. NEISTAT
LOCATOR NO. 07K620526
DOC. 20230926000356
845 MULLANPHY ROAD

PROPERTY N/F
DAVID J. & KATHY BOSS
LOCATOR NO. 07K620472
DB. 7363 PG. 684
825 MULLANPHY ROAD

LOT 1
PROPERTY N/F
DANIEL FLY
LOCATOR NO. 07K620405
DB. 23100 PG. 2262
805 MULLANPHY ROAD

LOT 2
PROPERTY N/F
TAO HOLDINGS LLC
LOCATOR NO. 07K620362
DB. 22064 PG. 2412
795 MULLANPHY ROAD

LOT 3
PROPERTY N/F
RONALD C. CASAGRANDE II
& LORI A. CASAGRANDE
LOCATOR NO. 07K620306
DB. 8652 PG. 1825
785 MULLANPHY ROAD

LOT 4
PROPERTY N/F
HARRY A. BILLITER &
MARJORIE G.
SCHWENK-BILLITER
LOCATOR NO. 07K620241
DB. 17970 PG. 4586
765 MULLANPHY ROAD

LOT 85
PROPERTY N/F
ANDREA D. KAUFMAN
LOCATOR NO. 07K620449
DB. 15384 PG. 1425
860 MULLANPHY ROAD

LOT 86
PROPERTY N/F
FRANK HEINLE
LOCATOR NO. 07K620416
DOC. 202305170055 8
850 MULLANPHY ROAD

LOT 87
PROPERTY N/F
RAINY DAYS LLC
LOCATOR NO. 07K620340
DB. 25154 PG. 2542
830 MULLANPHY ROAD

LOT 88
PROPERTY N/F
RAINY DAYS LLC
LOCATOR NO. 07K620285
DOC. 202208190043 3
820 MULLANPHY ROAD

LOT 89
PROPERTY N/F
JAMES WARNER
LOCATOR NO. 07K620229
DB. 20756 PG. 1167
800 MULLANPHY ROAD

LOT 90
PROPERTY N/F
DOUGLAS M. &
BEVERLY S. KLINE
LOCATOR NO. 07K620164
DB. 6728 PG. 487
790 MULLANPHY ROAD

LOT 91
PROPERTY N/F
55+ PROPERTIES LLC
LOCATOR NO. 07K620087
DB. 24060 PG. 2700
770 MULLANPHY ROAD

LOT 5
PROPERTY N/F
DARLISSA STEEPLES
LOCATOR NO. 07K620207
DB. 17134 PG. 1023
745 MULLANPHY ROAD

LOT 6
PROPERTY N/F
FYR SFR BORROWER, LLC
C/O HAVENBROOK HOMES
LOCATOR NO. 07K620142
DB. 23838 PG. 1204
735 MULLANPHY ROAD

LOT 7
PROPERTY N/F
PATRICIA A. RUTLEDGE
LOCATOR NO. 07K620108
DB. 21765 PG. 393
725 MULLANPHY ROAD

LOT 8
PROPERTY N/F
AARON & ANDREA KINDER
LOCATOR NO. 07K620065
DOC. 202206100008 2
715 MULLANPHY ROAD

LOT 9
PROPERTY N/F
WENDELL HERNANDEZ &
JACQUELINE MALONEY
LOCATOR NO. 07K620010
DB. 20924 PG. 1119
705 MULLANPHY ROAD

LOT 10
PROPERTY N/F
TRM RENTAL SOLUTIONS LLC
LOCATOR NO. 07J131171
DB. 20714 PG. 1203
695 MULLANPHY ROAD

LOT 11
PROPERTY N/F
BRITTANY K.
MCGINNIS
LOCATOR NO.
07J131137
DB. 23424
PG. 2730
685 MULLANPHY RD

LOT 12
PROPERTY N/F
CAPITAL PROPERTY LLC
LOCATOR NO. 07J131094
DOC. 20230307004 5
675 MULLANPHY ROAD

LOT 92
PROPERTY N/F
MID STATE HOLDINGS LLC
LOCATOR NO. 07K620032
DB. 24326 PG. 4476
760 MULLANPHY ROAD

LOT 93
PROPERTY N/F
RORY C. PIERCE
LOCATOR NO. 07K341467
DB. 22566 PG. 227
740 MULLANPHY ROAD

LOT 94
PROPERTY N/F
DANIELLE D. THOMAS
LOCATOR NO. 07K341401
DB. 22238 PG. 2658
730 MULLANPHY ROAD

LOT 95
PROPERTY N/F
PATRICK T. COOLEY
LOCATOR NO. 07K341324
DB. 12234 PG. 0844
720 MULLANPHY ROAD

LOT 96
PROPERTY N/F
AMELITA M. ROGERS
LOCATOR NO. 07J130873
DB. 25400 PG. 2119
650 MULLANPHY ROAD

LOT 1
PROPERTY N/F
KATHERINE M. FIELD
LOCATOR NO. 07J130941
DB. 12651 PG. 343
680 MULLANPHY ROAD

10' EASEMENT (PB. 69 PG. 7)
24"RCP
10' EASEMENT (PB. 68
5' EASEMENT (PB. 68 PG. 6)
EASEMENT (PB. 68 PG. 6)

EXIST. R/W
EX SAN MH 07K2-093S T=517.38 FL=505.18 (UIP)
12"KEYSTONE BLOCK WALL
YARD LIGHT
EX GRATE INLET W/ SIDE INTAKE 07K2-167D T=516.16 FL=511.96 (ATG)
CLEANOUT (NO ACCESS)
EX SAN MH 07K2-099S T=517.38 FL=503.68 (UIP)
EXIST. R/W
EX SAN MH 07J4-031S T=515.40 FL(NW)=500.55 FL=498.90(UIP)
EX SAN MH 07K2-094S T=517.45 FL=504.50
EX GRATE INLET W/ SIDE INTAKE 07K2-168D T=516.42 FL=511.62 (ATG)
EX SAN MH 07K2-100S T=514.92 FL=502.12 (UIP)
(ATG) EX GRATE INLET W/ SIDE INTAKE 07K3-010D T=513.11 FL=510.71
EX GRATE INLET W/ SIDE INTAKE 07K3-011D T=513.25 FL=510.25 (ATG)
EX SAN MH 07K3-140S T=514.76 FL=500.76 (UIP)
EX SAN MH 07J4-032S T=514.76 FL=499.51 (ATG)
(UIP) EX STORM MH 07K2-165D T=517.68 FL=508.38

STA. 141+94.57 P.E. 10.5' W. CONC.
TYPE S CURB STA. 142+05.05 TO STA. 142+26.71
STA. 142+41.79 P.E. 17.7' W. CONC.
CONST. LIMITS
EXIST. R/W
5'W. CONC SIDEWALK
STA. 143+41.79 P.E. 20.0' W. CONC.
STA. 143+90.55 P.E. 21.4' W. CONC.
STA. 144+98.99 P.E. 19.8' W. CONC.
STA. 145+40.91 P.E. 18.5' W. CONC.
① TYPE S CURB STA. 143+65.55 TO STA. 143+73.63
② TYPE S CURB STA. 145+15.14 TO STA. 145+25.41

STA. 146+47.89 P.E. 17.6' W. CONC.
STA. 146+91.21 P.E. 18.7' W. CONC.
STA. 147+99.70 P.E. 20.3' W. ASPH
STA. 148+41.69 P.E. 18.5' W. CONC.
③ TYPE S CURB STA. 146+62.93 TO STA. 146+75.63
④ TYPE S CURB STA. 148+15.66 TO STA. 148+26.63
⑤ TYPE S CURB STA. 148+57.19 TO STA. 148+64.44
STA. 150+95.39 P.E. 9.1' W. CONC.

STA. 1000+00.00 FLOR PARK S = STA. 149+96.57 MULLANPHY
14' TRANSITION
STA. 1000+29.58 FLORISSANT PARK END MILL & OVERLAY PARTIAL DEPTH SAWCUT
FLORISSANT PARK DRIVE

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

NOTES:

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2) FINAL SIZE & LOCATION OF FULL-DEPTH PAVEMENT REPAIR & TYPE S CURB REPLACEMENT SHALL BE CONFIRMED BY THE ENGINEER.

LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (ENTRANCE, MEDIAN, SIDE ROADS & SIDEWALK)

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby state that the documents intended to be authorized by my seal are true and correct to the best of my belief and I hereby disclaim any responsibility for all other documents, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of this engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S. Davis
04/21/2026 4:11:16 PM
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
550 MARYVILLE CENTRE DRIVE, STE. 500, ST. LOUIS, MO 63141
(314) 579-0900 HRGREEN.COM
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Fleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

ROADWAY PLAN (SHEET 5 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 19 OF 97

SCALE 1"=20'
0 20 40 60

MATCHLINE STA. 151+00.00

MATCHLINE STA. 156+00.00

LOT 13
PROPERTY N/F
JEFFREY LUER
LOCATOR NO. 07J131038
DB. 13419 PG. 1393
1605 FLORISSANT PARK DRIVE

LOT 66
PROPERTY N/F
THOMAS B. & LINDA S. MALONEY
LOCATOR NO. 07J130950
DB. 9267 PG. 1226
635 MULLANPHY ROAD

LOT 67
PROPERTY N/F
DARRELL LANE &
NICHOLE CELITA
LOCATOR NO. 07J130914
DOC. 2023080100126
605 MULLANPHY ROAD

LOT 68
PROPERTY N/F
KELLY E. HEIMERDINGER
LOCATOR NO. 07J130884
DB. 14888 PG. 2465
595 MULLANPHY ROAD

LOT 69
PROPERTY N/F
SPLASH CAPITAL
GROUP, LLC
LOCATOR NO. 07J130822
DB. 25036 PG. 4865
575 MULLANPHY ROAD

FLORISSANT PARK DRIVE

MULLANPHY COURT

MULLANPHY ROAD

MULLANPHY RD ℄

S52°24'35"E

STA. 1099+50.05
FLORISSANT PARK
BEGIN 6" CONCRETE PVMT
INTEGRAL ROLLED CURB
STA. 1099+90.50
FLORISSANT PARK
END 6" CONCRETE PVMT
CONST. LIMITS

FULL DEPTH SAWCUT
INTEGRAL ROLLED CURB
CONST. LIMITS

TYPE S CURB
SEE WARPING

STA. 152+89.85
P.E. 8.2' W. CONC.

5' EASEMENT (PB. 68 PG. 19)

EXIST. R/W

25' TRANSITION

END MILL & OVERLAY
STA. 154+84.37

STA. 1100+00.00 FLOR PARK N =
STA. 151+93.80 MULLANPHY

STA. 1200+00.00 VESPER =
STA. 153+18.31 MULLANPHY

VESPER DRIVE

EX STORM MH
07J4-0188D
T=513.86
FL=507.3

EX CURB INLET
07J4-037D
T=512.78
FL=508.08

EX STORM MH
NO MSD#
T=514.57
FL=±508.57
(SILT)

EX CURB INLET
07J4-041D
T=512.77
FL=507.57

EX SAN MH
07J4-034S
T=513.01
FL=493.01

EX CURB INLET
07J4-038D
T=512.74
FL=509.04

EX SAN MH
07J4-035S
T=515.69
FL=495.09

EX CURB INLET
07J4-040D
T=513.73
FL=508.13
(UIP)

STA. 151+41.64
P.E. 19.9' W. CONC.

STA. 152+08.99
P.E. 19.5' W. CONC.

STA. 154+22.92
P.E. 9.7' W. CONC.

STA. 154+49.26
P.E. 10.0' W. CONC.

STA. 155+12.65
P.E. 17.6' W. CONC.

STA. 1200+37.31 VESPER
END MILL & OVERLAY
PARTIAL DEPTH SAWCUT

21.5' TRANSITION

5'W. CONC
SIDEWALK

LA(UIP) CONST. LIMITS
8"KEYSTONE
BLOCKS(UIP)
(UIP, TRIM
TO SIDEWALK)

8"KEYSTONE
BLOCKS(UIP)

4"BRICK

29 LOT 1
PROPERTY N/F
KATHERINE M. FIELD
LOCATOR NO. 07J130941
DB. 12651 PG. 343
680 MULLANPHY ROAD

10' EASEMENT (PB. 68 PG. 6)
5' EASEMENT (PB. 89 PG. 19)

30 LOT 1
PROPERTY N/F
AMELITA M. ROGERS
LOCATOR NO. 07J130873
DB. 25400 PG. 2119
650 MULLANPHY ROAD

31 LOT 23
PROPERTY N/F
BEVERLY C. SMITH
LOCATOR NO.
07J130785
DB. 23618 PG. 2574
610 MULLANPHY ROAD

32 LOT 1
PROPERTY N/F
TIMOTHY WILBURN
LOCATOR NO. 07J130721
DB. 19683 PG. 2577
580 MULLANPHY ROAD

33 LOT 2
PROPERTY N/F
NELLIE J. WILBURN
LOCATOR NO.
07J130664
DB. 23691 PG. 134
550 MULLANPHY ROAD

① TYPE S CURB
STA. 151+06.19 TO
STA. 151+25.46

② TYPE S CURB
STA. 152+25.15 TO
STA. 152+49.02

③ TYPE S CURB
STA. 154+34.00 TO
STA. 154+38.02

④ TYPE S CURB
STA. 154+59.74 TO
STA. 154+96.58

LOT 76
PROPERTY N/F
PHILLIP HANNEKE
LOCATOR NO. 07J131258
DB. 19303 PG. 1508
535 MULLANPHY ROAD

LOT 75
PROPERTY N/F
PAUL J. & PATRICIA A. YOUNG
LOCATOR NO. 07J131357
DB. 11685 PG. 0883
525 MULLANPHY ROAD

PROPERTY N/F
UNION ELECTRIC COMPANY
LOCATOR NO. 07J41440
DB. 1554 PG. 286
1771 PATTERSON ROAD

10' EASEMENT (PB. 91 PG. 10)

END PROJECT
STA. 156+53.27

END STA 160+00.00

160

PATTERSON ROAD

SIGNAL
ONTROLLER
CABINET
4" STEEL
BOLLARD

2'X2'
PULLBOX

EX SAN MH
07J4-128S
T=513.23
FL=490.73

EX STORM MH
07J4-015D
T=512.85
FL=508.95

EX CURB INLET
07J4-015A
T=513.04
FL=510.49

EX CURB INLET
07J4-039D
T=513.09
FL=508.89
(UIP)

CABLE
DROP

BUS
STOP

CONC
ISLAND

ANGELUS
CONCRETE
DRIVEWAY

34 LOT 31
PROPERTY N/F
XUONG & DUNG QUACH
LOCATOR NO.
07J130576
DB. 18208 PG. 41
530 MULLANPHY ROAD

35 PROPERTY N/F
CITY OF
FLORISSANT
LOCATOR NO.
07J130246
DB. 6742
PG. 2329
1510 ANGELUS
DRIVE

36 PROPERTY N/F
UNION ELECTRIC COMPANY
LOCATOR NO. 07J131379
DB. 1554 PG. 286
1599 PATTERSON ROAD

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

NOTES:

1) ALL STATIONS & OFFSETS GIVEN TO THE MULLANPHY RD ℄ UNLESS NOTED OTHERWISE.

2) FINAL SIZE & LOCATION OF FULL-DEPTH PAVEMENT REPAIR & TYPE S CURB REPLACEMENT SHALL BE CONFIRMED BY THE ENGINEER.

LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (ENTRANCE, MEDIAN, SIDE ROADS & SIDEWALK)

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS			
REV	DATE	BY	APP'D
			DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that these documents intended to be authorized by my seal are limited to Plans, and I hereby disclaim any responsibility for all other Documents, Specifications or Estimates. Reports or other documents or instruments relating to or intended to be used for any part of this engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S. Davis
04/21/2026 4:11:21 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Plaurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

ROADWAY PLAN (SHEET 6 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 20 OF 97
BRIDGE SHEET NO.: OF

\\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-20-Plan06.dgn 1:54:23 PM 4/21/2026

PROPERTY N/F
LAND WEST #7 LLC
LOCATOR NO. 06K220914
DB 18905 PG 1819
1200 SHACKELFORD RD.

NO TAKINGS

PROPERTY N/F
MULLANPHY GARDENS ACQUISITIONS LLC
LOCATOR NO. 06K220941
DB 17663 PG 4162
1 MULLANPHY GARDENS SHOPPING CENTER

NO TAKINGS

SCALE
0 20 40 60

105

MATCHLINE STA. 106+00.00

SHACKELFORD ROAD (WIDTH VARIES)

(MARKED)

MULLANPHY ROAD (WIDTH VARIES)

MULLANPHY RD ℄

NO TAKINGS

PROPERTY N/F
TCC SHACKELFORD LLC
LOCATOR NO. 07K511403
DB 21354 PG 1466
1160 SHACKELFORD ROAD

253 (PG. 14)

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

NOTES:

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PROPERTY N/F
MULLANPHY GARDENS ACQUISITIONS LLC
LOCATOR NO. 06K220941
DB 17663 PG 4162
1 MULLANPHY GARDENS SHOPPING CENTER

NO TAKINGS

BEGIN PROJECT MILL & OVERLAY
STA. 106+91.07

MULLAN DRIVE (50' WIDE)

LOT 7
PROPERTY N/F
WILLIAM M. & ANTOINETTE M. MARTIN
LOCATOR NO. 07K541272
DB 7104 PG 0566
1595 MULLANPHY ROAD

NO TAKINGS

5' ℄ EASEMENT (PB. 95)
5' ℄ EASEMENT (PB. 95)

LOT 8
PROPERTY N/F
MARY T. TOCCO ETAL
LOCATOR NO. 07K541272
DB 7104 PG 0566
1575 MULLANPHY ROAD

NO TAKINGS

110

LOT 9
PROPERTY N/F
VB ONE LLC
LOCATOR NO. 07K541173
DB 25388 PG 3081
1565 MULLANPHY ROAD

NO TAKINGS

MATCHLINE STA. 106+00.00

MULLANPHY ROAD (WIDTH VARIES)

STA. 100+00.00 MULLAN =
STA. 108+24.98 MULLANPHY

STA. 200+00.00 ASPEN =
STA. 110+10.38 MULLANPHY

MULLANPHY RD ℄

MATCHLINE STA. 111+00.00

PSE

+40.35
24.79'
+66.69
15.00'
+66.69
25.00'

+65.34
15.00'
+65.35
25.00'

10' EASEMENT (PB. 93 PG. 10)

ASPEN DRIVE (50' WIDE)

NO TAKINGS

PROPERTY N/F
TCC SHACKELFORD LLC
LOCATOR NO. 07K511403
DB 21354 PG 1466
1160 SHACKELFORD ROAD

EXISTING	10981 S.F.
PERM ESMT	977 S.F.
REM. AREA	10981 S.F.

1

PROPERTY N/F
CECIL M. MAXIE
LOCATOR NO. 07K541348
DB 24924 PG 2615
1600 MULLANPHY ROAD

NO TAKINGS

LOT 1
PROPERTY N/F
VB TWO LLC
LOCATOR NO. 07K541128
DB 24594 PG 4039
1570 MULLANPHY ROAD

NO TAKINGS

LOT 11
PROPERTY N/F
WAYNE & RHONDA MARICLE
LOCATOR NO. 07K541041
DB 17801 PG 4194
1570 ASPEN ROAD

LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (SIDEWALK, ENTRANCE, & SIDE ROADS)
- TEMPORARY CONST. EASEMENT (TSCL)
- PERMANENT SIDEWALK EASEMENT (PSE)

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to the Plans only, and I hereby disclaim any responsibility for all other Contract Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of this engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S. Davis
04/21/2026 4:11:26 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
120 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Fleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

RIGHT OF WAY SHEET (SHEET 1 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 21 OF 97

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LOT 10
PROPERTY N/F
DAVID W. & ROSE M. HOLMES
LOCATOR NO. 07K541139
DB 22232 PG 2650
1545 MULLANPHY ROAD
NO TAKINGS

LOT 11
PROPERTY N/F
LYNDON & JENNIFER BOEHIKE
LOCATOR NO. 07K541096
DB 15979 PG 0334
1525 MULLANPHY ROAD
NO TAKINGS

LOT 12
PROPERTY N/F
KATHERINE BOGGS, TRUSTEE AND BRUCE WESLY BOGGS, TRUSTEE OF THE ARLENE KATHERINE BOGGS AND BRUCE WESLEY BOGGS REVOCABLE LIVING TRUST DATED 5/5/2000.
LOCATOR NO. 07K541096
DB 22888 PG 3116
1505 MULLANPHY ROAD
NO TAKINGS

LOT 13
PROPERTY N/F
CEREERUS SFR HOLDINGS LP
LOCATOR NO. 07K541007
DB 22726 PG 3222
1495 MULLANPHY ROAD
NO TAKINGS

LOT 14
PROPERTY N/F
K1 PROPERTIES SOLUTIONS LLC
LOCATOR NO. 07K540985
DB 24420 PG 5903
1485 MULLANPHY ROAD
NO TAKINGS

LOT 15
PROPERTY N/F
PHILLIP MICHAEL JOKERST
LOCATOR NO. 07K540921
DB 23854 PG 5198
1465 MULLANPHY ROAD
NO TAKINGS

LOT 16
PROPERTY N/F
V8 ONE LLC
LOCATOR NO. 07K540886
DOC. # 2022041500071
1445 MULLANPHY ROAD
NO TAKINGS

115

SCALE
0 20 40 60

MATCHLINE STA. 111+00.00

MULLANPHY ROAD (WIDTH VARIES)

MULLANPHY RD ℄

MATCHLINE STA. 116+00.00

NO TAKINGS
LOT 10
PROPERTY N/F
ANNE CALLAWAY
LOCATOR NO. 07K541018
DB 17981 PG 1061
1530 MULLANPHY ROAD

NO TAKINGS
LOT 9
PROPERTY N/F
CHRISTOPHER EVANS & CHRISTINA GALVIN
LOCATOR NO. 07K540974
DB 17906 PG 4825
1520 MULLANPHY ROAD

NO TAKINGS
LOT 8
PROPERTY N/F
MARK GRZECHOWIAK
LOCATOR NO. 07K540930
DB 19016 PG 747
1510 MULLANPHY ROAD

NO TAKINGS
LOT 7
PROPERTY N/F
RTL LIVING LLC
LOCATOR NO. 07K540897
DOC. # 2023071900208
1490 MULLANPHY ROAD

NO TAKINGS
LOT 6
PROPERTY N/F
Y.A.D. HOLDINGS LLC
LOCATOR NO. 07K540853
DB.19987 PG. 431
1480 MULLANPHY ROAD

NO TAKINGS
LOT 5
PROPERTY N/F
CHRISTOPHER & LOTONYA MITCHELL
LOCATOR NO. 07K540811
DOC. # 2023061600535
1470 MULLANPHY ROAD

NO TAKINGS
LOT 4
PROPERTY N/F
MOHAMED ABDELMABAD
LOCATOR NO. 07K540776
DOC. # 2022071100682
1460 MULLANPHY ROAD

NO TAKINGS
LOT 3
PROPERTY N/F
AARON D. YODER ETAL
LOCATOR NO. 07K540710
DB. 17788 PG. 3638
1440 MULLANPHY ROAD

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

LOT 17
PROPERTY N/F
THEODORE C. & MARIAN E. FEICK
LOCATOR NO. 07K540831
DB. 17366 PG. 1596
1425 MULLANPHY ROAD
NO TAKINGS

LOT 18
PROPERTY N/F
DAVID W. & ROSE M. HOLMES
LOCATOR NO. 07K540798
DB. 21080 PG. 1672
1405 MULLANPHY ROAD
NO TAKINGS

LOVELAND DRIVE (50' WIDE)

LOT 204
PROPERTY N/F
LYNNETTE K. PARKER
LOCATOR NO. 07K630789
DB. 9414 PG. 1645
1395 MULLANPHY ROAD
NO TAKINGS

STA. 118+71.40
P.E. 9.3' W. CONC.

5' EASEMENT (PB. 74 PG. 18)
5' EASEMENT (PB. 74 PG. 18)

LOT 205
PROPERTY N/F
MARGERY A. & GEORGE G. TYSON
LOCATOR NO. 07K630723
DB. 16593 PG. 2221
1375 MULLANPHY ROAD
NO TAKINGS

120

LOT 206
PROPERTY N/F
BOBRIE GLENN
LOCATOR NO. 07K630668
DB. 12470 PG. 1136
1355 MULLANPHY ROAD
NO TAKINGS

LOT 207
PROPERTY N/F
RENTSTL LLC
LOCATOR NO. 07K630602
DB. 21594 PG. 1369
1335 MULLANPHY ROAD
NO TAKINGS

NOTES:

1) ALL STATIONS & OFFSETS GIVEN TO THE MULLANPHY RD ℄ UNLESS NOTED OTHERWISE.

MULLANPHY RD ℄

MULLANPHY ROAD (WIDTH VARIES)

STA. 300+00.00 LOVELAND =
STA. 118+03.53 MULLANPHY

LOVELAND DRIVE (50' WIDE)

MAPPED

STA. 119+58.17
P.E. 19.3' W. CONC.

STA. 119+76.85
P.E. 18.0' W. CONC.

STA. 120+84.91
P.E. 9.6' W. CONC.

TSCL

+75.00
25.00'
+75.00
30.00'
+97.86
25.00'
+97.86
30.00'

MATCHLINE STA. 121+00.00

NO TAKINGS
LOT 3
PROPERTY N/F
AARON D. YODER ETAL
LOCATOR NO. 07K540710
DB. 17788 PG. 3638
1440 MULLANPHY ROAD

NO TAKINGS
LOT 2
PROPERTY N/F
BRIAN & KRISTENE HOLMES
LOCATOR NO. 07K540699
DOC. 2022092200455
1420 MULLANPHY ROAD

NO TAKINGS
LOT 1
PROPERTY N/F
DANIEL P. MAYSE
LOCATOR NO. 07K540633
DB. 8643 PG. 1863
1125 LOVELAND DRIVE

NO TAKINGS
LOT 13
PROPERTY N/F
TERRENCE MOODY
LOCATOR NO. 07K540556
DOC. # 2022072600317
1102 LOVELAND DRIVE

NO TAKINGS
LOT 12
PROPERTY N/F
BELINDA TUCKER
LOCATOR NO. 07K630547
DB. 19068 PG. 812
1360 MULLANPHY ROAD

NO TAKINGS
LOT 11
PROPERTY N/F
ALICE VERNER
LOCATOR NO. 07K630503
DB. 21807 PG. 588
1340 MULLANPHY ROAD

EXISTING	7769 S.F.
TCE	114 S.F.
REM. AREA	7769 S.F.

(2) LOT 10
PROPERTY N/F
PAIGE RYAN
LOCATOR NO. 07K630448
DB. 24804 PG. 1714
1320 MULLANPHY ROAD

LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (SIDEWALK, ENTRANCE, & SIDE ROADS)
- TEMPORARY CONST. EASEMENT (TSCL)
- PERMANENT SIDEWALK EASEMENT (PSE)

COUNTY PROJECT NO.
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FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

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REV	DATE	BY	APP'D	DESCRIPTION

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PROFESSIONAL ENGINEER
04/21/2026 4:11:32 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

RIGHT OF WAY SHEET (SHEET 2 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 22 OF 97

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LOT 207
PROPERTY N/F
RENTSTL LLC
LOCATOR NO. 07K630602
DB. 21594 PG. 1369
1335 MULLANPHY ROAD

NO TAKINGS

LOT 208
PROPERTY N/F
NORMAN R. & JUDITH A. SCHEIG
LOCATOR NO. 07K630536
DB. 6755 PG. 2127
1315 MULLANPHY ROAD

NO TAKINGS

LOT 209
PROPERTY N/F
KI PROPERTIES SOLUTIONS LLC
LOCATOR NO. 07K630471
DB. 24322 PG. 2074
1295 MULLANPHY ROAD

NO TAKINGS

LOT 210
PROPERTY N/F
HOME SFR BORROWER III, LLC
LOCATOR NO. 07K630415
DB. 22642 PG. 555
1285 MULLANPHY ROAD

NO TAKINGS

LOT 211
PROPERTY N/F
FOSTON PROPERTIES LLC
LOCATOR NO. 07K630350
DB. 22678 PG. 3140
1275 MULLANPHY ROAD

NO TAKINGS

5' EASEMENT (PB. 95 P(
5' EASEMENT (PB.

LOT 212
PROPERTY N/F
MO HOUSING &
RE DEVELOPMENT, LLC
LOCATOR NO. 07K630295
DB. 20996 PG. 2114
1255 MULLANPHY ROAD

NO TAKINGS

10' EASEMENT (PB. 95 PG. 50)

125

LOT 213
PROPERTY N/F
ANDREW C. WILSON
LOCATOR NO. 07K630228
DB. 15842 PG. 1814
1235 MULLANPHY ROAD

NO TAKINGS

SCALE
0 20 40 60

MATCHLINE STA. 121+00.00

MULLANPHY ROAD (WIDTH VARIES)

MULLANPHY RD ℄

MATCHLINE STA. 126+00.00

STA. 121+11.03
P.E. 9.6' W. CONC.
+20.00' 30.00'
+20.00' 27.00'

TSCL

STA. 122+18.53
P.E. 16.8' W. CONC.
+62.87' 31.00'
+62.87' 27.00'
+62.87' 25.00'
+02.87' 31.00'
+02.87' 37.00'

STA. 122+43.39
P.E. 9.3' W. CONC.
+27.88' 37.00'
+27.88' 25.00'
+51.88' 37.00'
+51.88' 31.00'

STA. 123+49.39
P.E. 17.6' W. CONC.
+92.89' 25.00'
+92.89' 31.00'
+92.89' 29.00'

STA. 123+67.68
P.E. 16.9' W. ASPH.
+57.91' 24.97'
+57.91' 29.00'

STA. 124+74.70
P.E. 9.3' W. ASPH.
+22.92' 25.00'
+22.92' 29.00'

STA. 125+02.70
P.E. 9.5' W. CONC.
+87.93' 25.00'
+87.80' 29.00'
+87.93' 31.00'

EXISTING	7769 S.F.
TCE	196 S.F.
REM. AREA	7769 S.F.

3 LOT 9
PROPERTY N/F
BRYANT WOODARD
LOCATOR NO. 07K630404
DB. 24412 PG. 2677
1310 MULLANPHY ROAD

EXISTING	7769 S.F.
TCE	540 S.F.
REM. AREA	7769 S.F.

4 LOT 8
PROPERTY N/F
GWENDOLYN M. GRAHAM
LOCATOR NO. 07K630349
DB. 23664 PG. 431
1300 MULLANPHY ROAD

EXISTING	7769 S.F.
TCE	534 S.F.
REM. AREA	7769 S.F.

5 LOT 7
PROPERTY N/F
STANLEY & ATHENA TURNER
LOCATOR NO. 07K630284
DB. 17494 PG. 2845
1290 MULLANPHY ROAD

EXISTING	7769 S.F.
TCE	260 S.F.
REM. AREA	7769 S.F.

6 LOT 6
PROPERTY N/F
FT PACIFIC RENTAL LLC
LOCATOR NO. 07K630240
DB. 21815 PG. 1052
1280 MULLANPHY ROAD

EXISTING	7769 S.F.
TCE	260 S.F.
REM. AREA	7769 S.F.

7 LOT 5
PROPERTY N/F
ANDREW R. WALLEY
LOCATOR NO. 07K630185
DB. 24002 PG. 906
1270 MULLANPHY ROAD

EXISTING	7769 S.F.
TCE	260 S.F.
REM. AREA	7769 S.F.

8 LOT 4
PROPERTY N/F
TRIPLE M HOLDINGS LLC
LOCATOR NO. 07K630130
DB. 22570 PG. 1363
1260 MULLANPHY ROAD

5' EASEMENT (PB. 74 PG. 18)
5' EASEMENT (PB. 74 PG. 18)

EXISTING	7769 S.F.
TCE	390 S.F.
REM. AREA	7769 S.F.

9 LOT 3
PROPERTY N/F
LUKE GRAHAM
LOCATOR NO. 07K630086
DB. 23950 PG. 1073
1240 MULLANPHY ROAD

NO TAKINGS

LOT 2
PROPERTY N/F
JOSEPH JOHN CERIOTTI, TRUSTEE OF THE JOSEPH JOHN CERIOTTI & JUNE CAROL CERIOTTI INDENTURE OF TRUST
LOCATOR NO. 07K630086
DB. 21787 PG. 332
1220 MULLANPHY ROAD

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

LOT 214
PROPERTY N/F
JAMES W. JACKSON JR. &
LEATA M. JACKSON
LOCATOR NO. 07K630152
DB. 10153 PG. 2232
1215 MULLANPHY ROAD

NO TAKINGS

LOT 215
PROPERTY N/F
SMP HOMES 3B LLC
LOCATOR NO. 07K630107
DB. 22304 PG. 3647
1195 MULLANPHY ROAD

NO TAKINGS

LOT 216
PROPERTY N/F
KIMBERLY E. CARSON
LOCATOR NO. 07K630064
DB. 18642 PG. 3670
1175 MULLANPHY ROAD

NO TAKINGS

LOT 217
PROPERTY N/F
MAOR 888E8 LLC
LOCATOR NO. 07K611342
DB. 20155 PG. 823
1155 MULLANPHY ROAD

NO TAKINGS

LOT 218
PROPERTY N/F
JONATHAN WELLS
LOCATOR NO. 07K611298
DB. 17887 PG. 4993
1145 MULLANPHY ROAD

NO TAKINGS

5' EASEMENT (PB. 95 P
5' EASEMENT (PB. 95 P

130

LOT 219
PROPERTY N/F
THE GILLIAN ROACH
LIVING TRUST
LOCATOR NO. 07K611243
DB. 22760 PG. 2262
1125 MULLANPHY ROAD

NO TAKINGS

LOT 220
PROPERTY N/F
UP & UP FUND II MO LLC
LOCATOR NO. 07K611188
DOC. # 2022062300112
1605 ASPEN DRIVE

NO TAKINGS

MATCHLINE STA. 126+00.00

MULLANPHY ROAD (WIDTH VARIES)

MULLANPHY RD ℄

STA. 400+00.00 GREELEY =
STA. 127+14.97 MULLANPHY

MATCHLINE STA. 131+00.00

STA. 126+08.33
P.E. 16.5' W. CONC.

GREELEY DRIVE
(50' WIDE)

+39.97' 55.00'
30'R
+49.58' 33.00'
+69.97' 25.00'

TSCL

STA. 128+22.89
P.E. 18.2' W. CONC.
+12.03' 25.00'
+11.99' 33.00'

STA. 128+89.34
P.E. 9.0' W. CONC.
+77.00' 25.00'
+77.00' 33.00'

STA. 129+58.15
P.E. 16.4' W. CONC.

STA. 130+17.22
P.E. 15.8' W. CONC.
+07.03' 25.00'
+07.03' 31.00'

STA. 130+81.59
P.E. 19.3' W. CONC.
+72.04' 25.00'
+72.04' 31.00'

SEE NEXT SHEET FOR TAKINGS

EXISTING	8413 S.F.
TCE	448 S.F.
REM. AREA	8413 S.F.

10 LOT 1
PROPERTY N/F
BRETT SMITH
LOCATOR NO. 07K611265
DB. 24022 PG. 1687
1160 MULLANPHY ROAD

EXISTING	7769 S.F.
TCE	520 S.F.
REM. AREA	7769 S.F.

11 LOT 2
PROPERTY N/F
VB TWO, LLC
LOCATOR NO. 07K611210
DB. 24590 PG. 1786
1140 MULLANPHY ROAD

5' EASEMENT (PB. 64 PG. 99)
5' EASEMENT (PB. 64 PG. 99)

NO TAKINGS

LOT 3
PROPERTY N/F
SMP HOMES 3B LLC
LOCATOR NO. 07K611166
DB. 22304 PG. 3647
1130 MULLANPHY ROAD

NO TAKINGS

LOT 4
PROPERTY N/F
CHRISTOPHER W. THORNBURGH
LOCATOR NO. 07K611111
DB. 24367 PG. 22
1120 MULLANPHY ROAD

EXISTING	7769 S.F.
TCE	390 S.F.
REM. AREA	7769 S.F.

12 LOT 5
PROPERTY N/F
VB TWO, LLC
LOCATOR NO. 07K611078
DB. 24590 PG. 1789
1100 MULLANPHY ROAD

13 LOT 6
PROPERTY N/F
LEZELL A. BROWN
LOCATOR NO. 07K611023
DOC. # 2023081800234
1080 MULLANPHY ROAD

NOTES:

1) ALL STATIONS & OFFSETS GIVEN TO THE MULLANPHY RD ℄ UNLESS NOTED OTHERWISE.

LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (SIDEWALK, ENTRANCE, & SIDE ROADS)
- TEMPORARY CONST. EASEMENT (TSCL)
- PERMANENT SIDEWALK EASEMENT (PSE)

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are prepared by me, and I hereby disclaim any responsibility for all other documents, specifications, Opinions of Probable Construction Estimates, Reports or other documents or instruments relating to or intended to be used for any part of this engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
04/21/2026 4:11:37 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

RIGHT OF WAY SHEET (SHEET 3 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS

SHEET SEQUENCE:
23 OF 97

\\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-23-ROW03.dgn 1:12:49 PM 4/21/2026

LOT 220
PROPERTY N/F
UP & UP FUND
II MO LLC
LOCATOR NO.
07K611188
DOC. #
2022062300112
1605 ASPEN DR

NO TAKINGS

ASPEN DRIVE
(50' WIDE)

LOT 220
PROPERTY N/F
AGAPE FELLOWSHIP CENTER
LOCATOR NO. 07K611375
DB. 22398 PG. 61
1065 MULLANPHY ROAD

NO TAKINGS

HOT STA 133+00.00

10' ℄ EASEMENT (PB

LOT 2
PROPERTY N/F
FIRST TIME HOMES LLC
LOCATOR NO. 07K611034
DOC. # 2022120800319
995 MULLANPHY ROAD

NO TAKINGS

LOT 1
PROPERTY N/F
JAMES P. & SANDRA L. OKEEFE
LOCATOR NO. 07K620988
DB. 15974 PG. 2799
985 MULLANPHY ROAD

NO TAKINGS

FERNBROOK LANE
(50' WIDE)

135

LOT 53
PROPERTY N/F
VB TWO, LLC
LOCATOR NO. 07K620890
DB. 24594 PG. 4039
1600 FERMBROOK LANE

NO TAKINGS

LOT 52
PROPERTY N/F
JOHN M. &
AMANDA R.
BISHER
LOCATOR NO.
07K620856
DB. 19953
PG. 2432
955 MULLANPHY
ROAD

NO TAKINGS

SCALE
0 20 40 60

MATCHLINE STA. 131+00.00

STA. 500+00.00 ASPEN N =
STA. 131+69.59 MULLANPHY

MULLANPHY ROAD (WIDTH VARIES)

S52°23'14"E

MULLANPHY RD ℄
S52°24'35"E

STA. 700+00.00 FERNBROOK =
STA. 134+69.79 MULLANPHY

STA. 600+00.00 ASPEN S =
STA. 133+64.75 MULLANPHY

MATCHLINE STA. 136+00.00

TSCL

+37.05' 31.00' STA. 131+49.51 P.E. 9.7' W. CONC. +37.05' 25.00'

EXISTING	7769 S.F.
TCE	390 S.F.
REM. AREA	7769 S.F.

LOT 6
PROPERTY N/F
LEZELL A. BROWN
LOCATOR NO.
13 07K611023
DOC. #
202308180234
1080 MULLANPHY RD

NO TAKINGS

LOT 7
PROPERTY N/F
KELVIN ROWLAND
LOCATOR NO. 07K610989
DB. 23548 PG. 1161
1070 MULLANPHY ROAD

+02.07 25.00' +02.07 33.00'

5' EASEMENT (PB. 64 PG. 99)

5' EASEMENT (PB. 64 PG. 99)

TSCL

STA. 132+57.80 P.E. 17.6' W. ASPH.

+67.08 33.49' +67.08 33.00' +67.08 25.00'

EXISTING	7769 S.F.
TCE	520 S.F.
REM. AREA	7769 S.F.

14 LOT 8
PROPERTY N/F
MS INVESTMENTS LLC
LOCATOR NO. 07K610945
DB. 17626 PG. 2929
1060 MULLANPHY ROAD

+09.79 25.00' +30.69 33.50'

30'-R

TSCL

+39.77 54.99'

ASPEN DRIVE
(50' WIDE)

EXISTING	8500 S.F.
TCE	485 S.F.
REM. AREA	8500 S.F.

15 LOT 9
PROPERTY N/F
DAVID M. PINNICK
LOCATOR NO. 07K610880
DB. 25086 PG. 1439
1040 MULLANPHY ROAD

+89.77 55.06'

30'-R

+03.26 30.00' +19.79 25.05'

TSCL

+73.49 30.00' +73.49 33.00'

STA. 134+83.65 P.E. 16.3' W. CONC.

EXISTING	10002 S.F.
TCE	609 S.F.
REM. AREA	10002 S.F.

16 LOT 1
PROPERTY N/F
GREGORY T. VIEHMAN &
PAULA K. VIEHMAN
LOCATOR NO. 07K610802
DB. 12684 PG. 1530
1000 MULLANPHY ROAD

10' ℄ EASEMENT (PB. 64 PG. 99) PER PB. 190 PG. 95 (2-339)

+09.78 33.00' +09.78 25.00'

STA. 135+38.86 P.E. 10.1' W. CONC.

EXISTING	40845 S.F.
TCE	793 S.F.
REM.AREA	40845 S.F.

17 LOT A
PROPERTY N/F
THOMAS &
KAREN KURTH
LOCATOR NO.
07K611364
DB. 17465 PG. 3764
950 MULLANPHY RD.

MATCHLINE STA. 136+00.00

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

NOTES:

1) ALL STATIONS & OFFSETS GIVEN TO THE MULLANPHY RD ℄ UNLESS NOTED OTHERWISE.

LOT 52
PROPERTY N/F
JOHN M. &
AMANDA R. BISHER
LOCATOR NO.
07K620856
DB. 19953 PG. 2432
955 MULLANPHY RD

NO TAKINGS

LOT 51
PROPERTY N/F
VB ONE, LLC
LOCATOR NO. 07K620834
DB. 25266 PG. 4056
945 MULLANPHY ROAD

NO TAKINGS

LOT 50
PROPERTY N/F
PURPOSE MO, LLC
LOCATOR NO. 07K620779
DOC. # 2022082500487
935 MULLANPHY ROAD

NO TAKINGS

LOT 49
PROPERTY N/F
VB SIX, LLC
LOCATOR NO. 07K620735
DOC. # 2022120100309
925 MULLANPHY ROAD

NO TAKINGS

LOT 48
PROPERTY N/F
RYAN GARDNER
LOCATOR NO. 07K620724
DOC. # 2023091500105
915 MULLANPHY ROAD

NO TAKINGS

LOT 47
PROPERTY N/F
LOUIS & CARRIE WILLIAMS
LOCATOR NO. 07K620692
DB. 24302 PG. 3790
1605 TYSON DRIVE

NO TAKINGS

TYSON DRIVE
(50' WIDE)

140

LOT 99
PROPERTY N/F
PEGGY L. BOSCHEN
LOCATOR NO. 07K620603
DB. 17453 PG. 4026
1600 TYSON DRIVE

NO TAKINGS

MATCHLINE STA. 136+00.00

MULLANPHY ROAD (WIDTH VARIES)

MULLANPHY RD ℄

CI 02

STA. 800+00.00 TYSON S =
STA. 139+66.43 MULLANPHY

STA.900+00.00 TYSON N =
STA.139+79.60 MULLANPHY

MATCHLINE STA. 141+00.00

TSCL

+09.78 33.00' +09.78 35.00' +09.78 25.06'

STA. 136+95.02 P.E. 18.7' W. ASPH.

+16.54 25.00' +16.54 35.00'

10' ℄ EASEMENT (PB. 68 PG. 6)

+16.56 94.81'

EXISTING	80715 S.F.
TCE	2062 S.F.
REM. AREA	80715 S.F.

18 LOT B
PROPERTY N/F
NICKOLAS BROWN
LOCATOR NO. 07K621428
DB. 17443 PG. 5151
920 MULLANPHY ROAD

+60.00 25.00' +60.00 35.00'

STA. 138+69.06 P.E. 10.3' W. ASPH.

19 LOT 83
PROPERTY N/F
SA VENTURES, LLC
LOCATOR NO. 07K620582
DB. 20966 PG. 525
900 MULLANPHY ROAD

EXISTING	8189 S.F.
TCE	435 S.F.
REM. AREA	8189 S.F.

+21.51 25.00'

20'-R

+41.51 44.97'

+41.59 94.59'

TYSON DRIVE
(50' WIDE)

NO TAKINGS

LOT 84
PROPERTY N/F
MARK D. & REBECCA M. PHILLIPS
LOCATOR NO. 07K620494
DB. 19647 PG. 3423
870 MULLANPHY ROAD

TSCL

SEE NEXT SHEET FOR TAKINGS

+69.49 25.00' +69.50 29.00'

20 LOT 85
PROPERTY N/F
ANDREA D.
KAUFMAN
LOCATOR NO.
07K620449
DB. 15384
PG. 1425
860 MULLANPHY
ROAD

STA. 140+89.85 P.E. 21.2' W. CONC.

LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (SIDEWALK, ENTRANCE, & SIDE ROADS)
- TEMPORARY CONST. EASEMENT (TSCL)
- PERMANENT SIDEWALK EASEMENT (PSE)

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS			
REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S. Davis
04/21/2026 4:11:43 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
HRGreen
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.423.7777
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

Ste. Genevieve Fleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

RIGHT OF WAY SHEET (SHEET 4 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 24 OF 97

LOT 100
PROPERTY N/F
KAREN F. & RICHARD L. WIND
LOCATOR NO. 07K620559
DB. 7002 PG. 0122
855 MULLANPHY ROAD

NO TAKINGS

PROPERTY N/F
PATRICK M. &
TANYA E. NEISTAT
LOCATOR NO. 07K620526
DOC. 20230926000356
845 MULLANPHY ROAD

23

EXISTING	21997 S.F.
PERM ESMT	1100 S.F.
REM. AREA	21997 S.F.

PROPERTY N/F
DAVID J. & KATHY BOSS
LOCATOR NO. 07K620472
DB. 7363 PG. 684
825 MULLANPHY ROAD

24

EXISTING	21995 S.F.
PERM ESMT	1100 S.F.
REM. AREA	21995 S.F.

LOT 1
PROPERTY N/F
DANIEL FLY
LOCATOR NO. 07K620405
DB. 23100 PG. 2262
805 MULLANPHY ROAD

NO TAKINGS

LOT 2
PROPERTY N/F
TAO HOLDINGS LLC
LOCATOR NO. 07K620362
DB. 22064 PG. 2412
795 MULLANPHY ROAD

NO TAKINGS

LOT 3
PROPERTY N/F
RONALD C. CASAGRANDE II
& LORI A. CASAGRANDE
LOCATOR NO. 07K620306
DB. 8652 PG. 1825
785 MULLANPHY ROAD

NO TAKINGS

LOT 4
PROPERTY N/F
HARRY A. BILLITER &
MARJORIE G.
SCHWENK-BILLITER
LOCATOR NO. 07K620241
DB. 17970 PG. 4586
765 MULLANPHY ROAD

NO TAKINGS

SCALE
0 20 40 60

MATCHLINE STA. 141+00.00

MATCHLINE STA. 146+00.00

10' EASEMENT (PB. 69 PG. 7)

10' EASEMENT (PB. 68 PG. 6)

+58.94
25.00'
+58.90
15.00'

+68.94
25.00'
+68.90
15.00'

+78.90
15.00'
+78.94
25.00'

PSE

PSE

MULLANPHY ROAD (WIDTH VARIES)

MULLANPHY RD ℄

TSCL

TSCL

+44.50
25.00'
+44.51
29.00'

+19.51
25.00'

+94.52
25.00'
+94.58
29.00'

+69.53
25.00'
+69.54
29.00'

STA. 141+94.57
P.E. 10.5' W. CONC.

STA. 142+41.79
P.E. 17.7' W. CONC.

STA. 143+41.79
P.E. 20.0' W. CONC.

STA. 143+90.55
P.E. 21.4' W. CONC.

STA. 144+98.99
P.E. 19.8' W. CONC.

STA. 145+40.91
P.E. 18.5' W. CONC.

+94.56
25.00'
+94.58
35.00'

EXISTING	8199 S.F.
TCE	300 S.F.
REM.AREA	8199 S.F.

20 LOT 85
PROPERTY N/F
ANDREA D. KAUFMAN
LOCATOR NO. 07K620449
DB. 15384 PG. 1425
860 MULLANPHY ROAD

NO TAKINGS

21 LOT 86
PROPERTY N/F
FRANK HEINLE
LOCATOR NO. 07K620416
DOC. 20230517005558
850 MULLANPHY ROAD

NO TAKINGS

LOT 87
PROPERTY N/F
RAINY DAYS LLC
LOCATOR NO. 07K620340
DB. 25154 PG. 2542
830 MULLANPHY ROAD

EXISTING	8170 S.F.
TCE	300 S.F.
REM. AREA	8170 S.F.

22 LOT 88
PROPERTY N/F
RAINY DAYS LLC
DOC. 20220819004330
820 MULLANPHY ROAD

EASEMENT (PB. 68 PG. 6)

EASEMENT (PB. 68 PG. 6)

NO TAKINGS

LOT 89
PROPERTY N/F
JAMES WARNER
LOCATOR NO. 07K620229
DB. 20756 PG. 1167
800 MULLANPHY ROAD

NO TAKINGS

LOT 90
PROPERTY N/F
DOUGLAS M. &
BEVERLY S. KLINE
LOCATOR NO. 07K620164
DB. 6728 PG. 487
790 MULLANPHY ROAD

NO TAKINGS

LOT 91
PROPERTY N/F
55+ PROPERTIES LLC
LOCATOR NO. 07K620087
DB. 24060 PG. 2700
770 MULLANPHY ROAD

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LOT 5
PROPERTY N/F
DARLISSA STEEPLES
LOCATOR NO. 07K620207
DB. 17134 PG. 1023
745 MULLANPHY ROAD

NO TAKINGS

LOT 6
PROPERTY N/F
FYR SFR BORROWER, LLC.
C/O HAVENBROOK HOMES
LOCATOR NO. 07K620142
DB. 23838 PG. 1204
735 MULLANPHY ROAD

NO TAKINGS

LOT 7
PROPERTY N/F
PATRICIA A. RUTLEDGE
LOCATOR NO. 07K620108
DB. 21765 PG. 393
725 MULLANPHY ROAD

NO TAKINGS

5' EASEMENT (PB. 68 PG. 6)

5' EASEMENT (PB. 68 PG. 6)

LOT 8
PROPERTY N/F
AARON & ANDREA KINDER
LOCATOR NO. 07K620065
DOC. 2022061000082
715 MULLANPHY ROAD

NO TAKINGS

LOT 9
PROPERTY N/F
WENDELL HERNANDEZ &
JACQUELINE MALONEY
LOCATOR NO. 07K620010
DB. 20924 PG. 1119
705 MULLANPHY ROAD

NO TAKINGS

LOT 10
PROPERTY N/F
TRM RENTAL SOLUTIONS LLC
LOCATOR NO. 07J131171
DB. 20714 PG. 1203
695 MULLANPHY ROAD

NO TAKINGS

LOT 11
PROPERTY N/F
BRITTANY K.
MCGINNIS
LOCATOR NO.
07J131137
DB. 23424
PG. 2730
685 MULLANPHY RD

NO TAKINGS

LOT 12
PROPERTY N/F
CAPITAL PROPERTY LLC
LOCATOR NO. 07J131094
DOC. 2023030700455
675 MULLANPHY ROAD

NO TAKINGS

MATCHLINE STA. 146+00.00

MATCHLINE STA. 151+00.00

MULLANPHY ROAD (50' WIDE)

MULLANPHY RD ℄

STA. 1000+00.00 FLOR PARK S =
STA. 149+96.57 MULLANPHY

FLORISSANT PARK DRIVE
(50' WIDE)

TSCL

TSCL

TSCL

TSCL

+69.57
25.00'
+69.59
35.05'

+81.87
35.00'
+81.87
38.53'

+00.54
38.54'
+00.48
34.54'

+44.58
25.00'
+44.60
34.56'

+94.60
25.00'
+94.61
31.00'

+19.59
31.00'

+19.59
25.00'

+21.73
90.71'

+21.65
44.90'

20' R

+41.65
25.00'

+77.57
25.05'
+77.57
30.16'

STA. 146+47.89
P.E. 17.6' W. CONC.

STA. 146+91.21
P.E. 18.7' W. CONC.

STA. 147+99.70
P.E. 20.3' W. ASPH

STA. 148+41.69
P.E. 18.5' W. CONC.

STA. 150+95.39
P.E. 9.1' W. CONC.

EXISTING	8130 S.F.
TCE	750 S.F.
REM. AREA	8130 S.F.

25 LOT 92
PROPERTY N/F
MID STATE HOLDINGS LLC
LOCATOR NO. 07K620032
DB. 24326 PG. 4476
760 MULLANPHY ROAD

EXISTING	8121 S.F.
TCE	796 S.F.
REM. AREA	8121 S.F.

26 LOT 93
PROPERTY N/F
RORY C. PIERCE
LOCATOR NO. 07K341467
DB. 22566 PG. 227
740 MULLANPHY ROAD

NO TAKINGS

27 LOT 94
PROPERTY N/F
DANIELLE D. THOMAS
LOCATOR NO. 07K341401
DB. 22238 PG. 2658
730 MULLANPHY ROAD

EXISTING	8101 S.F.
TCE	450 S.F.
REM. AREA	8101 S.F.

28 LOT 95
PROPERTY N/F
PATRICK T. COOLEY
DB. 12234 PG. 0844
720 MULLANPHY ROAD

NO TAKINGS

LOT 96
PROPERTY N/F
AMELITA M. ROGERS
LOCATOR NO. 07J130873
DB. 25400 PG. 2119
650 MULLANPHY ROAD

29 LOT 1
PROPERTY N/F
KATHERINE M. FIELD
LOCATOR NO. 07J130941
DB. 12651 PG. 343
680 MULLANPHY ROAD

EXISTING	9528 S.F.
TCE	141 S.F.
REM. AREA	9528 S.F.

NOTES:

1) ALL STATIONS & OFFSETS GIVEN TO THE MULLANPHY RD ℄ UNLESS NOTED OTHERWISE.

LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (SIDEWALK, ENTRANCE, & SIDE ROADS)
- TEMPORARY CONST. EASEMENT (TSCL)
- PERMANENT SIDEWALK EASEMENT (PSE)

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS			
REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
04/21/2026 4:11:48 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

RIGHT OF WAY SHEET (SHEET 5 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS

SHEET SEQUENCE: 25 OF 97

LOT 13
PROPERTY N/F
JEFFREY LUER
LOCATOR NO. 07J131038
DB. 13419 PG. 1393
1605 FLORISSANT PARK DRIVE
NO TAKINGS

LOT 66
PROPERTY N/F
THOMAS B. & LINDA S. MALONEY
LOCATOR NO. 07J130950
DB. 9267 PG. 1226
635 MULLANPHY ROAD
NO TAKINGS

LOT 67
PROPERTY N/F
DARRELL LANE &
NICHOLE CELITA
LOCATOR NO. 07J130914
DOC. 2023080100126
605 MULLANPHY ROAD
NO TAKINGS

LOT 68
PROPERTY N/F
KELLY E. HEIMERDINGER
LOCATOR NO. 07J130884
DB. 14888 PG. 2465
595 MULLANPHY ROAD
NO TAKINGS

LOT 69
PROPERTY N/F
SPLASH CAPITAL
GROUP, LLC
LOCATOR NO. 07J130822
DB. 25036 PG. 4865
575 MULLANPHY ROAD
NO TAKINGS

FLORISSANT PARK DRIVE (50' WIDE)

STA. 152+89.85 P.E. 8.2' W. CONC.

5' EASEMENT (PB. 68 PG. 6)

5' EASEMENT (PB. 68 PG. 6)

END MILL & OVERLAY STA. 154+84.37

MULLANPHY COURT (50' WIDE)

MATCHLINE STA. 151+00.00

MULLANPHY ROAD (50' WIDE)

MULLANPHY RD ℄

STA. 1100+00.00 FLOR PARK N =
STA. 151+93.80 MULLANPHY

STA. 1200+00.00 VESPER =
STA. 153+18.31 MULLANPHY

MATCHLINE STA. 156+00.00

SCALE
0 20 40 60

SEE PREVIOUS SHEET FOR TAKINGS

TSCL +04.94 30.17' +04.94 25.00'

STA. 151+41.64 P.E. 19.9' W. CONC.

29
LOT 1
PROPERTY N/F
KATHERINE M. FIELD
LOCATOR NO. 07J130941
DB. 12651 PG. 343
680 MULLANPHY ROAD

10' EASEMENT (PB. 68 PG. 6)

5' EASEMENT (PB. 89 PG. 19)

+68.23 90.45' +68.22 94.93'

+68.29 25.00'

STA. 152+08.99 P.E. 19.5' W. CONC.

30
LOT 1
PROPERTY N/F
AMELITA M. ROGERS
LOCATOR NO. 07J130873
DB. 25400 PG. 2119
650 MULLANPHY ROAD

EXISTING	8959 S.F.
PERM ESMT	114 S.F.
REM. AREA	8659 S.F.

PSE +73.28 25.00' 20'R +93.28 45.01'

+93.25 95.00'

VESPER DRIVE (50' WIDE)

PSE +43.28 44.99' +53.40 34.87' 20'R +63.28 25.00'

EXISTING	8003 S.F.
PERM ESMT	114 S.F.
TCE	741 S.F.
REM. AREA	8003 S.F.

STA. 154+22.92 P.E. 9.7' W. CONC.

+33.29 25.00' +33.29 34.91'

31
LOT 23
PROPERTY N/F
BEVERLY C. SMITH
LOCATOR NO.
07J130785
DB. 23618 PG. 2574
610 MULLANPHY ROAD

STA. 154+49.26 P.E. 10.0' W. CONC.

EXISTING	7177 S.F.
TCE	689 S.F.
REM. AREA	7177 S.F.

32
LOT 1
PROPERTY N/F
TIMOTHY WILBURN
LOCATOR NO. 07J130721
DB. 19683 PG. 2577
580 MULLANPHY ROAD

+03.24 25.00' +03.24 34.96' +03.24 38.23'

STA. 155+12.65 P.E. 17.6' W. CONC.

TSCL

PSE +54.82 25.00' +65.29 29.96' +73.23 25.00' +79.75 29.97' 20'R +89.45 38.23' +92.85 41.13' +93.23 45.01'

EXISTING	8014 S.F.
PERM ESMT	157 S.F.
TCE	954 S.F.
REM. AREA	8014 S.F.

33
LOT 2
PROPERTY N/F
NELLIE J. WILBURN
LOCATOR NO.
07J130664
DB. 23691 PG. 134
550 MULLANPHY ROAD

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

LOT 76
PROPERTY N/F
PHILLIP HANNEKE
LOCATOR NO. 07J131258
DB. 19303 PG. 1508
535 MULLANPHY ROAD
NO TAKINGS

LOT 75
PROPERTY N/F
PAUL J. & PATRICIA A. YOUNG
LOCATOR NO. 07J131357
DB. 11685 PG. 0883
525 MULLANPHY ROAD
NO TAKINGS

PROPERTY N/F
UNION ELECTRIC COMPANY
LOCATOR NO. 07J411440
DB. 1554 PG. 286
1771 PATTERSON ROAD
NO TAKINGS

10' EASEMENT (PB. 91 PG. 10)

END PROJECT STA. 156+53.27

160

END STA 160+00.00

MATCHLINE STA. 156+00.00

MULLANPHY ROAD (50' WIDE)

MULLANPHY RD ℄

PATTERSON ROAD (WIDTH VARIES)

ANGELUS DRIVE (50' WIDE)

20'R +43.20 95.00' +43.23 44.99' +63.23 25.00'

34
LOT 31
PROPERTY N/F
XUONG & DUNG QUACH
LOCATOR NO.
07J130576
DB. 18208 PG. 41
530 MULLANPHY ROAD

PARCEL 34
NO TAKINGS

+76.99 95.08'

EASEMENT (PB. 91 PG. 10)

35
PROPERTY N/F
CITY OF
FLORISSANT
LOCATOR NO.
07J130246
DB. 6742
PG. 2329
1510 ANGELUS
DRIVE

PARCEL 35
NO TAKINGS

+77.03 25.00' +21.84 30.00'

36
PROPERTY N/F
UNION ELECTRIC COMPANY
LOCATOR NO. 07J131379
DB. 1554 PG. 286
1599 PATTERSON ROAD

NO TAKINGS

+93.05 91.44'

NOTES:

1) ALL STATIONS & OFFSETS GIVEN TO THE MULLANPHY RD ℄ UNLESS NOTED OTHERWISE.

LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (SIDEWALK, ENTRANCE, & SIDE ROADS)
- TEMPORARY CONST. EASEMENT (TSCL)
- PERMANENT SIDEWALK EASEMENT (PSE)

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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ANDREA S. DAVIS
PE-2018021250
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PHONE: 314-432-0550
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St. Ferdinand de Fleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

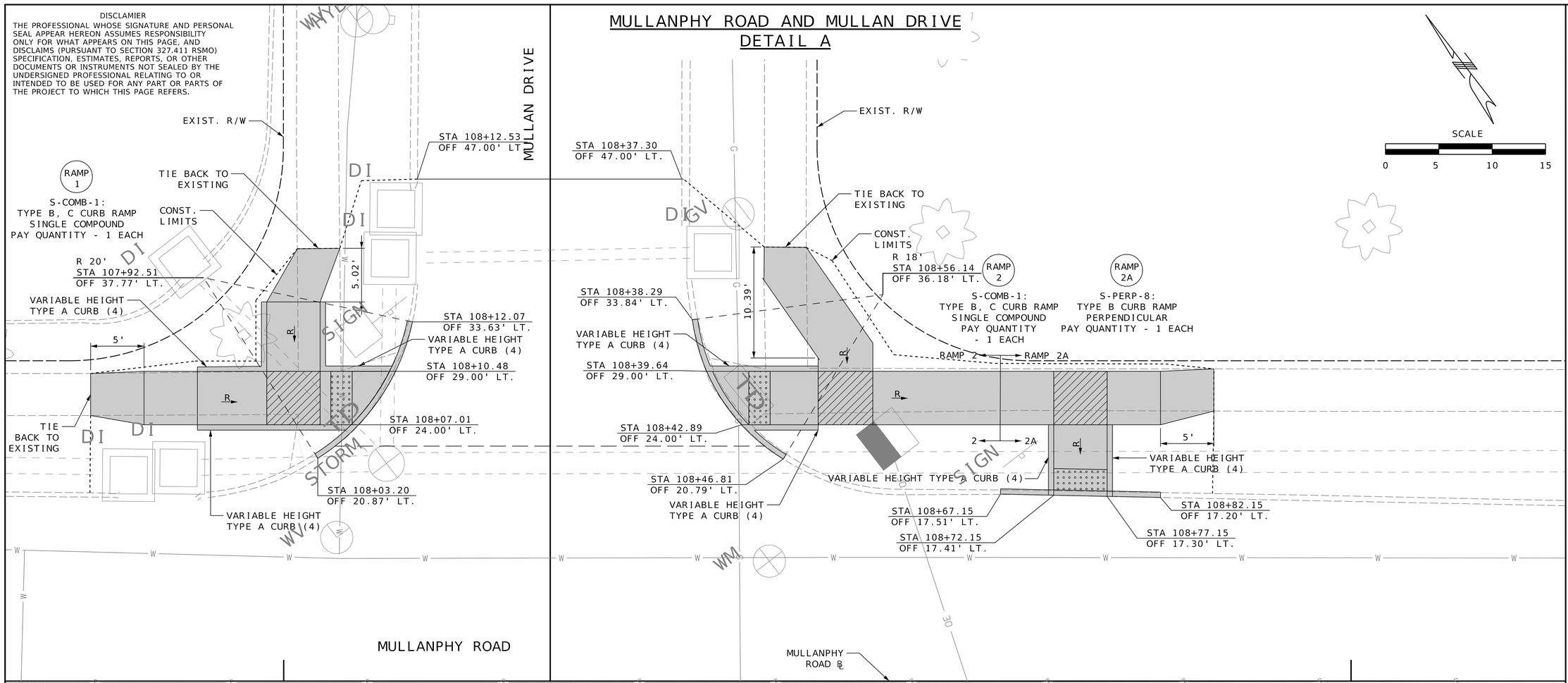
RIGHT OF WAY SHEET (SHEET 6 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 26 OF 97

\\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-26-ROW06.dgn 1:13:06 PM 4/21/2026

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MULLANPHY ROAD AND MULLAN DRIVE
DETAIL A

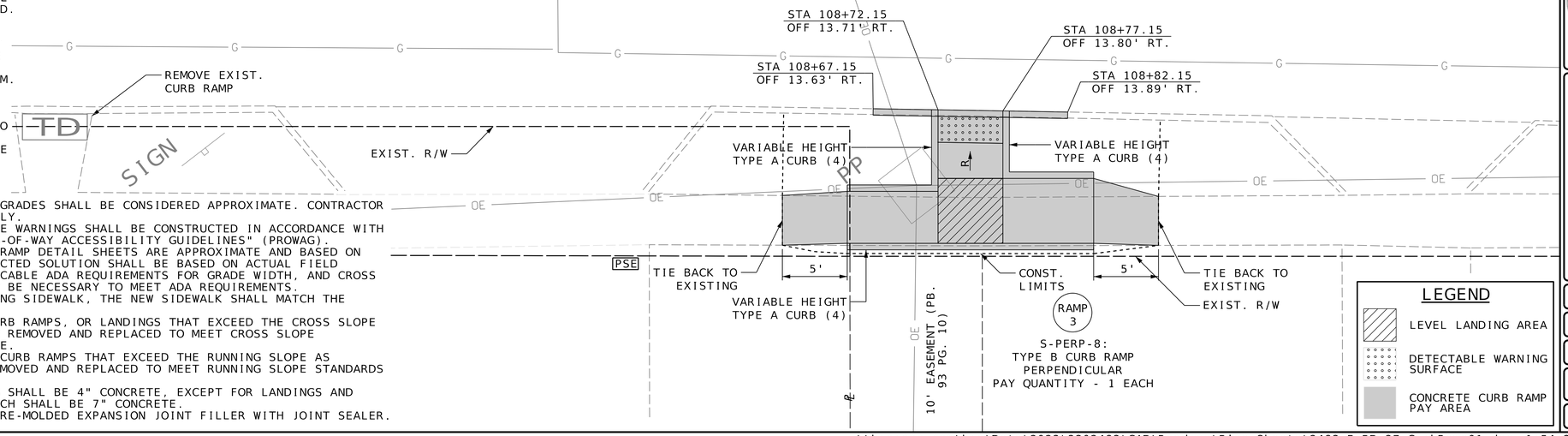


NOTES:

(1) SIDEWALKS SHALL SLOPE TOWARD THE GUTTER UNLESS OTHERWISE SHOWN ON THE TYPICAL SECTIONS AND PLAN SHEETS.
(2) ALL STATIONS AND OFFSETS GIVEN TO THE MULLANPHY RD ℄ UNLESS OTHERWISE NOTED.
(3) SEE DETAIL SHEET 1 FOR CURB RAMP GENERAL NOTES.
(4) VARIABLE HEIGHT TYPE A CURB WILL NOT BE PAID FOR SEPARATELY. CURB WILL BE INCLUDED IN THE REMOVE AND REPLACE CONCRETE SIDEWALK, CURB RAMP PAY ITEM.
(5) ALL DIMENSIONS AND GRADE ELEVATIONS ARE TO THE FACE OF CURB (FOC) FLOW LINE AS NOTED.
(6) ALL SHADED AREA AS SHOWN IN LEGEND TO BE PAID FOR AS CONCRETE SIDEWALK, CURB RAMP (PER EACH) UNLESS OTHERWISE SPECIFIED.

CURB RAMP GENERAL NOTES:

(1) ALL PROPOSED SIDEWALK AND CURB RAMP GRADES SHALL BE CONSIDERED APPROXIMATE. CONTRACTOR TO FIELD VERIFY AND ADJUST ACCORDINGLY.
(2) SIDEWALKS, CURB RAMPS, AND DETECTABLE WARNINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE DETAILS AND THE "PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES" (PROWAG).
(3) THE ELEVATIONS PROVIDED ON THE CURB RAMP DETAIL SHEETS ARE APPROXIMATE AND BASED ON THE PROVIDED TOPOGRAPHY. THE CONSTRUCTED SOLUTION SHALL BE BASED ON ACTUAL FIELD CONDITIONS AND ELEVATIONS. ALL APPLICABLE ADA REQUIREMENTS FOR GRADE WIDTH, AND CROSS SLOPE MUST BE MET. FIELD CHANGES MAY BE NECESSARY TO MEET ADA REQUIREMENTS.
(4) WHERE NEW SIDEWALK MEETS WITH EXISTING SIDEWALK, THE NEW SIDEWALK SHALL MATCH THE GRADES OF THE EXISTING SIDEWALK.
(5) ANY NEW CONSTRUCTION OF SIDEWALK, CURB RAMPS, OR LANDINGS THAT EXCEED THE CROSS SLOPE AS DEFINED IN PROWAG (2.1%) SHALL BE REMOVED AND REPLACED TO MEET CROSS SLOPE STANDARDS AT THE CONTRACTOR'S EXPENSE.
(6) ANY NEW CONSTRUCTION OF SIDEWALK OR CURB RAMPS THAT EXCEED THE RUNNING SLOPE AS DEFINED IN PROWAG (8.3%) SHALL BE REMOVED AND REPLACED TO MEET RUNNING SLOPE STANDARDS AT THE CONTRACTOR'S EXPENSE.
(7) ALL SIDEWALK SECTIONS AND CURB RAMPS SHALL BE 4" CONCRETE, EXCEPT FOR LANDINGS AND CURB RAMPS ADJACENT TO THE CURB, WHICH SHALL BE 7" CONCRETE.
(8) NO DIRECT PAYMENT WILL BE MADE FOR PRE-MOLDED EXPANSION JOINT FILLER WITH JOINT SEALER.



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

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PROFESSIONAL ENGINEER
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MO PE-2018021250

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K
DATE: 4/21/2026

PREPARED BY:
HRGreen
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

CURB RAMP DETAIL SHEET (SHEET 1 OF 13)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 27 OF 97

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MULLANPHY ROAD AND ASPEN DRIVE
DETAIL B

SCALE
0 5 10 15

MULLANPHY ROAD ℄

MULLANPHY ROAD

ASPEN DRIVE

CONST. LIMITS
VARIABLE HEIGHT TYPE A CURB (4)
STA 109+75.93
OFF 17.23' RT.
STA 109+80.33
OFF 19.00' RT.
STA 109+87.74
OFF 24.00' RT.
STA 109+91.23
OFF 27.66' RT.
STA 109+92.48
OFF 29.50' RT.
EXIST. R/W
TIE BACK TO EXISTING
5'
VARIABLE HEIGHT TYPE A CURB (4)
RAMP 4
S-PERP-4:
TYPE B CURB RAMP
SINGLE PERPENDICULAR
PAY QUANTITY - 1 EACH
R 32.5'
STA 109+66.04
OFF 48.19' RT.

CONST. LIMITS
VARIABLE HEIGHT TYPE A CURB (4)
STA 110+45.26
OFF 17.06' RT.
STA 110+40.69
OFF 19.00' RT.
STA 110+33.56
OFF 24.00' RT.
STA 110+30.17
OFF 27.66' RT.
STA 110+28.81
OFF 29.50' RT.
SIGHT
VARIABLE HEIGHT TYPE A CURB (4)
4.92'
TIE BACK TO EXISTING
EXIST. R/W
RAMP 5
S-PERP-4:
TYPE B CURB RAMP
SINGLE PERPENDICULAR
PAY QUANTITY - 1 EACH
R 32.5'
STA 110+55.61
OFF 47.87' RT.

NOTES:

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LEGEND
- LEVEL LANDING AREA
- DETECTABLE WARNING SURFACE
- CONCRETE CURB RAMP PAY AREA

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

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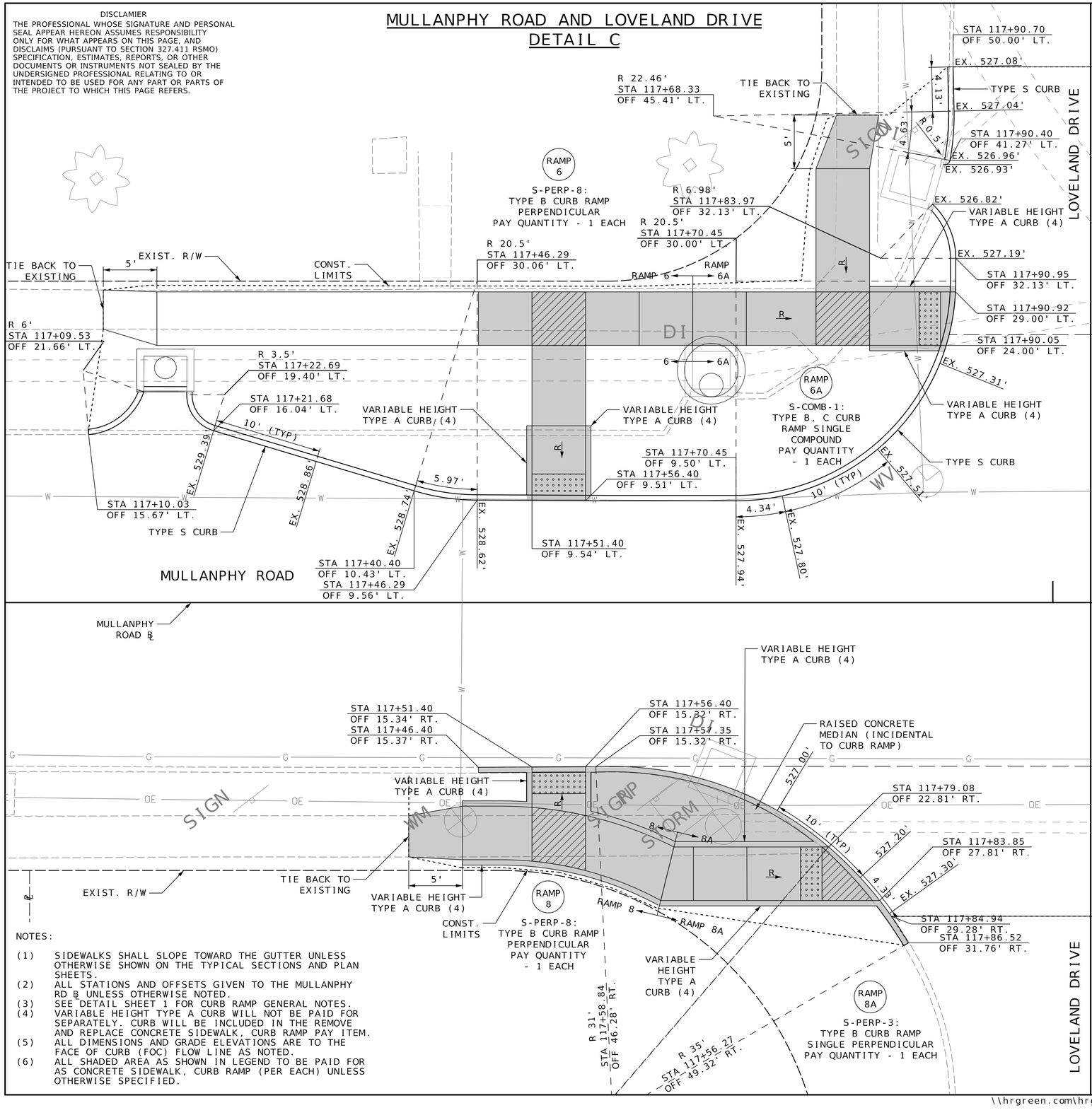
MULLANPHY ROAD RESURFACING

CURB RAMP DETAIL SHEET (SHEET 2 OF 13)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 28 OF 97

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MULLANPHY ROAD AND LOVELAND DRIVE
DETAIL C



NOTES:

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COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

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MULLANPHY ROAD RESURFACING

CURB RAMP DETAIL SHEET (SHEET 3 OF 13)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 29 OF 97

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MULLANPHY ROAD AND LOVELAND DRIVE
DETAIL D

SCALE
0 5 10 15

STA 118+16.04
OFF 50.01' LT.
EX. 527.15'
TYPE S CURB
STA 118+15.58
OFF 42.84' LT.
EX. 526.94'
EX. 526.89'
R 0.5'
7.17'
TIE BACK TO EXISTING
RAMP 7
S-COMB-1:
TYPE B, C CURB RAMP
SINGLE COMPOUND
PAY QUANTITY
- 1 EACH
5'
EX. 526.78'
VARIABLE HEIGHT
TYPE A CURB (4)
STA 118+15.95
OFF 33.58' LT.
EX. 526.80'
5.44'
R 11.86'
STA 118+27.80
OFF 33.58' LT.
RAD 20.5'
STA 118+36.45
OFF 30.00' LT.
RAMP 7A
S-PERP-8:
TYPE B CURB RAMP
PERPENDICULAR
PAY QUANTITY - 1 EACH
STA 118+15.97
OFF 29.00' LT.
RAMP 7
RAMP 7A
CONST. LIMITS
5'
TIE BACK TO EXISTING
EXIST. R/W
R 20.5'
STA 118+90.92
OFF 30.00' LT.
5' EASEMENT (
STA 118+16.84
OFF 24.00' LT.
EX. 526.81'
TYPE S CURB
11.71'
VARIABLE HEIGHT
TYPE A CURB (4)
VARIABLE HEIGHT
TYPE A CURB (4)
STA 118+36.45
OFF 9.50' LT.
VARIABLE HEIGHT
TYPE A CURB (4)
STA 118+41.45
OFF 9.50' LT.
EX. 526.64'
10' (TYP)
5.79'
EX. 526.39'
EX. 526.09'
TYPE S CURB
5.97'
10'
5.62'
5.69'
EX. 524.45'
EX. 524.29'
EX. 524.05'
EX. 523.93'
EX. 523.82'
TYPE S CURB
LOVELAND DRIVE
MULLANPHY ROAD ℄
MULLANPHY ROAD
R 19.5'
STA 119+17.38
OFF 3.82' RT.

SEE PREVIOUS SHEET
FOR ADDITIONAL CURB
RAMP INFORMATION

STA 118+36.45
OFF 17.64' RT.
STA 118+41.45
OFF 16.18' RT.
RAISED CONCRETE
MEDIAN (INCIDENTAL
TO CURB RAMP)
EX. 526.03'
EX. 526.24'
EX. 525.72'
10' (TYP)
STA 118+46.38
OFF 15.30' RT.
VARIABLE HEIGHT
TYPE A CURB (4)
STA 118+26.93
OFF 22.81' RT.
5.21'
R 36'
EX. 526.61'
10' (TYP)
STA 118+22.17
OFF 27.81' RT.
EX. 526.69'
4.24'
STA 118+21.13
OFF 29.25' RT.
STA 118+19.64
OFF 31.75' RT.
CONST. LIMITS
EXIST. R/W
LOVELAND DRIVE
RAMP 9
D-PERP-1:
TYPE B CURB RAMP
DUAL PERPENDICULAR
PAY QUANTITY - 1 EACH
STA 118+52.37
OFF 62.92' RT.
R 48'
R 30'
STA 118+46.06
OFF 45.95' RT.

NOTES:

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LEGEND
- LEVEL LANDING AREA
- DETECTABLE WARNING SURFACE
- CONCRETE CURB RAMP PAY AREA

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

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REV	DATE	BY	APP'D	DESCRIPTION

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DATE: 4/21/2026

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MULLANPHY ROAD RESURFACING
CURB RAMP DETAIL SHEET (SHEET 4 OF 13)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 30 OF 97

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MULLANPHY ROAD AND GREELEY DRIVE
DETAIL E

SCALE
0 5 10 15

RAMP 10
S-PERP-8:
TYPE B CURB RAMP
SINGLE PERPENDICULAR
PAY QUANTITY - 1 EACH

CONST. LIMITS
EXIST. R/W
TIE BACK TO EXISTING
TIE BACK TO EXISTING
5'
5'
VARIABLE HEIGHT TYPE A CURB (4)
VARIABLE HEIGHT TYPE A CURB (4)
STA 126+57.13 OFF 15.76' LT.
STA 126+62.63 OFF 15.75' LT.
STA 126+67.63 OFF 15.75' LT.
STA 126+72.63 OFF 15.71' LT.

MULLANPHY ROAD

STA 126+67.63 OFF 15.13' RT.
STA 126+72.62 OFF 15.26' RT.
STA 126+62.63 OFF 15.13' RT.
STA 126+57.63 OFF 15.13' RT.
RAISED CONCRETE MEDIAN (INCIDENTAL TO CURB RAMP)
VARIABLE HEIGHT TYPE A CURB (4)
STA 126+80.64 OFF 17.02' RT.
STA 126+85.10 OFF 19.00' RT.
RAMP 11
RAMP 11A
VARIABLE HEIGHT TYPE A CURB (4)
STA 126+92.05 OFF 24.00' RT.
EXIST. R/W
RAMP 11
S-PERP-8:
TYPE B CURB RAMP
SINGLE PERPENDICULAR
PAY QUANTITY - 1 EACH
VARIABLE HEIGHT TYPE A CURB (4)
RAMP 11A
S-PERP-4:
TYPE B CURB RAMP SINGLE PERPENDICULAR, LARGE RADIUS
PAY QUANTITY - 1 EACH
STA 126+95.43 OFF 27.73' RT.
STA 126+96.46 OFF 29.13' RT.
CONST. LIMITS
R 32.5'
STA 126+69.75 OFF 47.64' RT.

GREELEY DRIVE

MULLANPHY ROAD ℄
STA 127+49.04 OFF 16.87' RT.
STA 127+44.30 OFF 19.00' RT.
VARIABLE HEIGHT TYPE A CURB (4)
STA 127+37.48 OFF 24.00' RT.
STA 127+34.16 OFF 27.70' RT.
STA 127+33.13 OFF 29.13' RT.
RAMP 12
S-PERP-4:
TYPE B CURB RAMP
SINGLE PERPENDICULAR, LARGE RADIUS
PAY QUANTITY - 1 EACH
EXIST. R/W
CONST. LIMITS
TSCL
R 32.5'
STA 127+59.94 OFF 47.49' RT.

NOTES:
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LEGEND
- LEVEL LANDING AREA
- DETECTABLE WARNING SURFACE
- CONCRETE CURB RAMP PAY AREA

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

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Bl. Feuillant de Pleurisant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

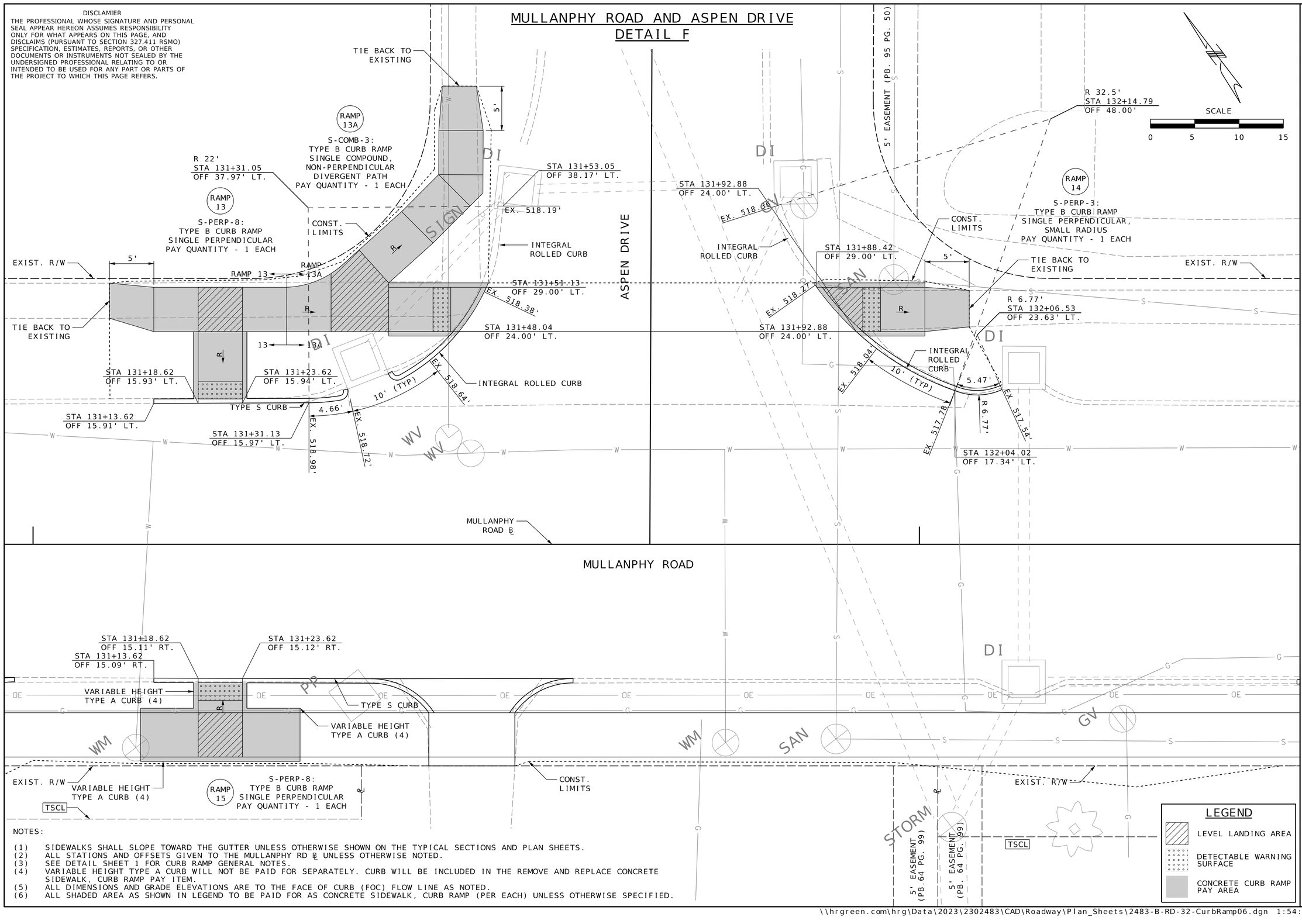
CURB RAMP DETAIL SHEET (SHEET 5 OF 13)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 31 OF 97

\\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-31-CurbRamp05.dgn 1:54:39 PM 4/21/2026

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MULLANPHY ROAD AND ASPEN DRIVE
DETAIL F



NOTES:

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COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

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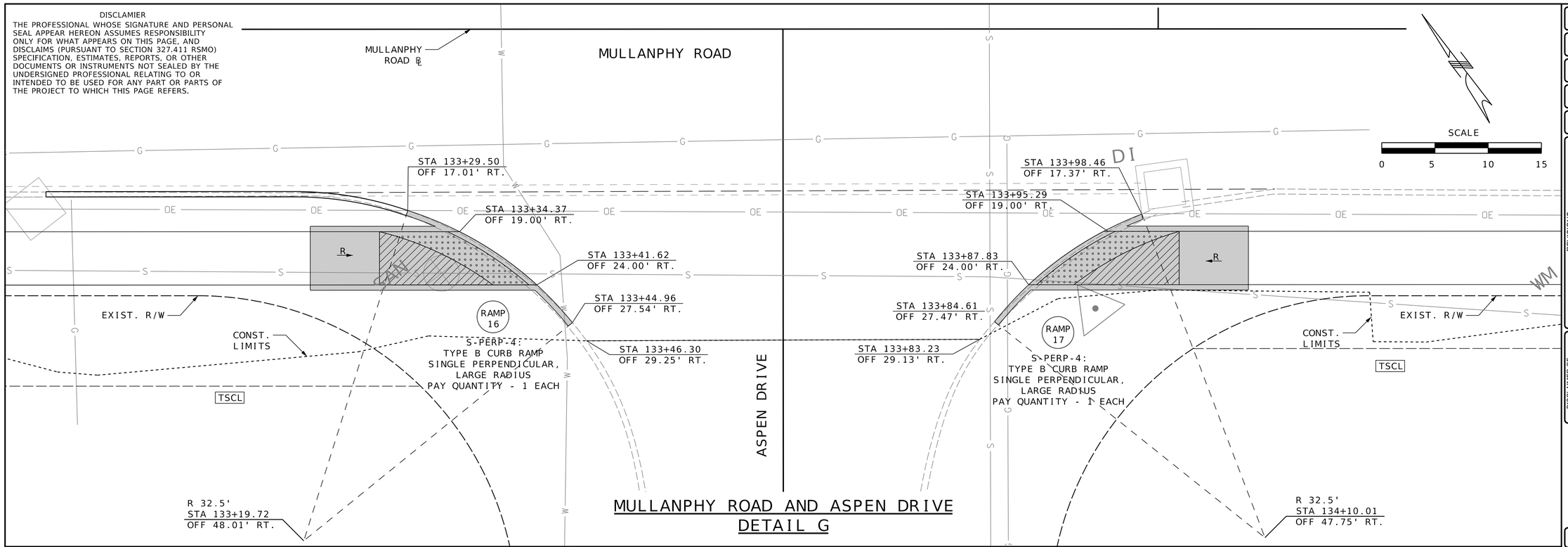
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MULLANPHY ROAD RESURFACING

CURB RAMP DETAIL SHEET (SHEET 6 OF 13)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 32 OF 97

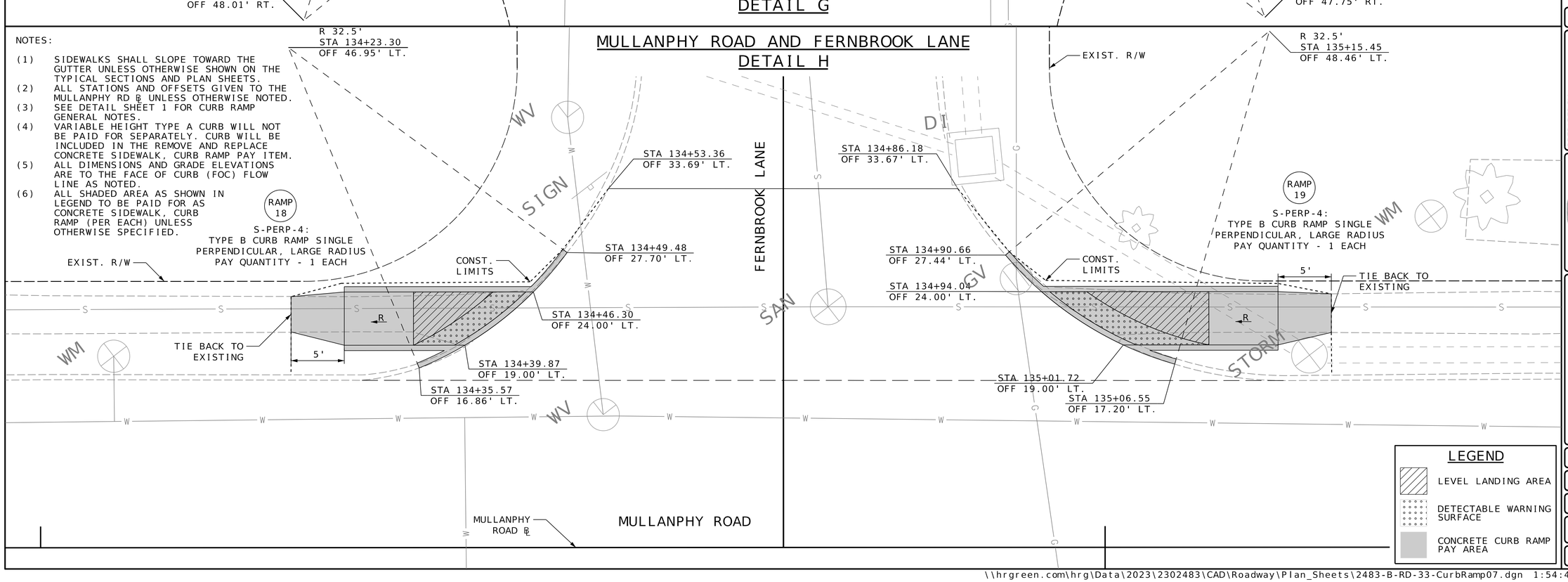
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MULLANPHY ROAD AND ASPEN DRIVE
DETAIL G

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MULLANPHY ROAD AND FERNBROOK LANE
DETAIL H

LEGEND
- LEVEL LANDING AREA
- DETECTABLE WARNING SURFACE
- CONCRETE CURB RAMP PAY AREA

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
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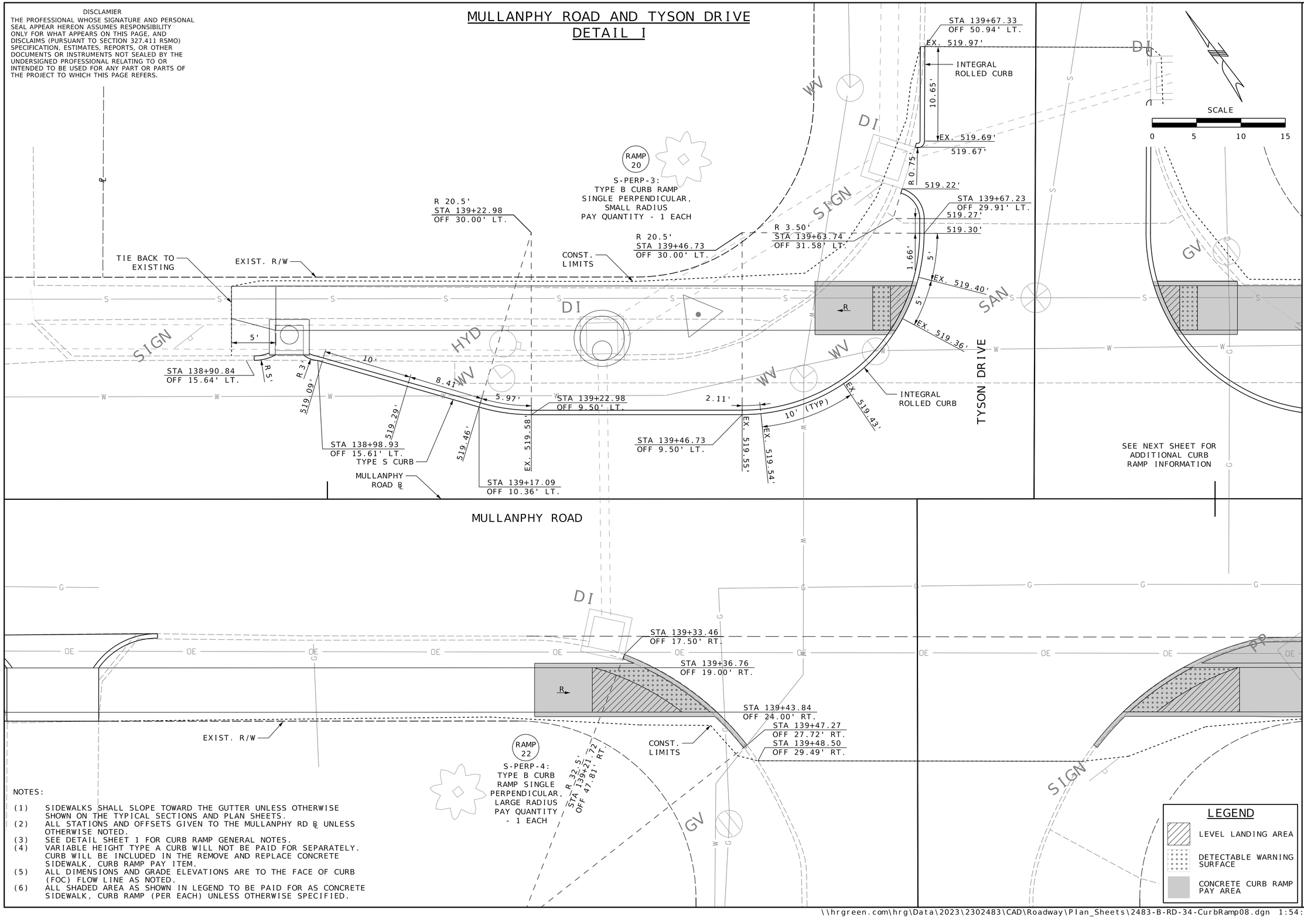
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MULLANPHY ROAD RESURFACING
CURB RAMP DETAIL SHEET (SHEET 7 OF 13)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 33 OF 97

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MULLANPHY ROAD AND TYSON DRIVE
DETAIL I



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LEGEND
- LEVEL LANDING AREA
- DETECTABLE WARNING SURFACE
- CONCRETE CURB RAMP PAY AREA

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
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MULLANPHY ROAD RESURFACING

CURB RAMP DETAIL SHEET (SHEET 8 OF 13)

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CHECKED: A. DAVIS
SHEET SEQUENCE: 34 OF 97

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MULLANPHY ROAD AND TYSON DRIVE
DETAIL J

SCALE
0 5 10 15

STA 139+92.32
OFF 50.83' LT.
EX. 519.85
519.80'
R OR 0.5'
518.98'
519.00'
INTEGRAL ROLLED CURB
10' (TYP)
519.20'
4.35'
519.29'
STA 139+92.23
OFF 30.09' LT.
5'
EX. 519.39
STA 139+93.13
OFF 24.00' LT.
EX. 519.20
STA 139+95.44
OFF 19.00' LT.
INTEGRAL ROLLED CURB
EX. 518.87'
10' (TYP)
TYSON DRIVE

RAMP 21
S-PERP-3:
TYPE B CURB RAMP SINGLE PERPENDICULAR, SMALL RADIUS
PAY QUANTITY - 1 EACH
RAMP 21 → RAMP 21A

R 20.5'
STA 140+12.73
OFF 30.00' LT.
RAMP 21A
S-PERP-8:
TYPE B CURB RAMP SINGLE PERPENDICULAR
PAY QUANTITY - 1 EACH

R 20.5'
STA 140+31.85
OFF 30.00' LT.

CONST. LIMITS
5'
EXIST. R/W
TIE BACK TO EXISTING
STA 140+58.06
OFF 15.59' LT.
STA 140+52.43
OFF 14.77' LT.
5.71'
10'
EX. 517.95'
EX. 517.84'
STA 140+37.74
OFF 10.36' LT.
5.33'
STA 140+31.85
OFF 9.50' LT.
5.97'
EX. 518.30'
EX. 518.18'
TYPE S CURB
STA 140+12.73
OFF 9.50' LT.
2.29'
STA 140+19.08
OFF 9.50' LT.
STA 140+14.08
OFF 9.50' LT.
EX. 518.77'
EX. 518.73'
EX. 518.42'

MULLANPHY ROAD
MULLANPHY ROAD ℄
R 19.5'
STA 140+58.03
OFF 3.91' RT.

SEE PREVIOUS SHEET FOR ADDITIONAL CURB RAMP INFORMATION

STA 140+14.08
OFF 15.55' RT.
STA 140+05.45
OFF 15.63' RT.
TYPE S CURB
RAISED CONCRETE MEDIAN
(INCIDENTAL TO CURB RAMP)
STA 140+19.08
OFF 15.51' RT.
STA 140+24.08
OFF 15.47' RT.
RAMP 23 → RAMP 23A
STA 139+96.41
OFF 19.00' RT.
STA 139+89.63
OFF 24.00' RT.
STA 139+86.32
OFF 27.71' RT.
STA 139+85.39
OFF 29.00' RT.
CONST. LIMITS
RAMP 23
S-PERP-4:
TYPE B CURB RAMP SINGLE PERPENDICULAR, LARGE RADIUS
PAY QUANTITY - 1 EACH
R 32'
STA 140+12.16
OFF 47.43' RT.
FLAG
RAMP 23A
S-PERP-8:
TYPE B CURB RAMP SINGLE PERPENDICULAR
PAY QUANTITY - 1 EACH
EXIST. R/W

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LEGEND
- LEVEL LANDING AREA
- DETECTABLE WARNING SURFACE
- CONCRETE CURB RAMP PAY AREA

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

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MULLANPHY ROAD RESURFACING

CURB RAMP DETAIL SHEET (SHEET 9 OF 13)

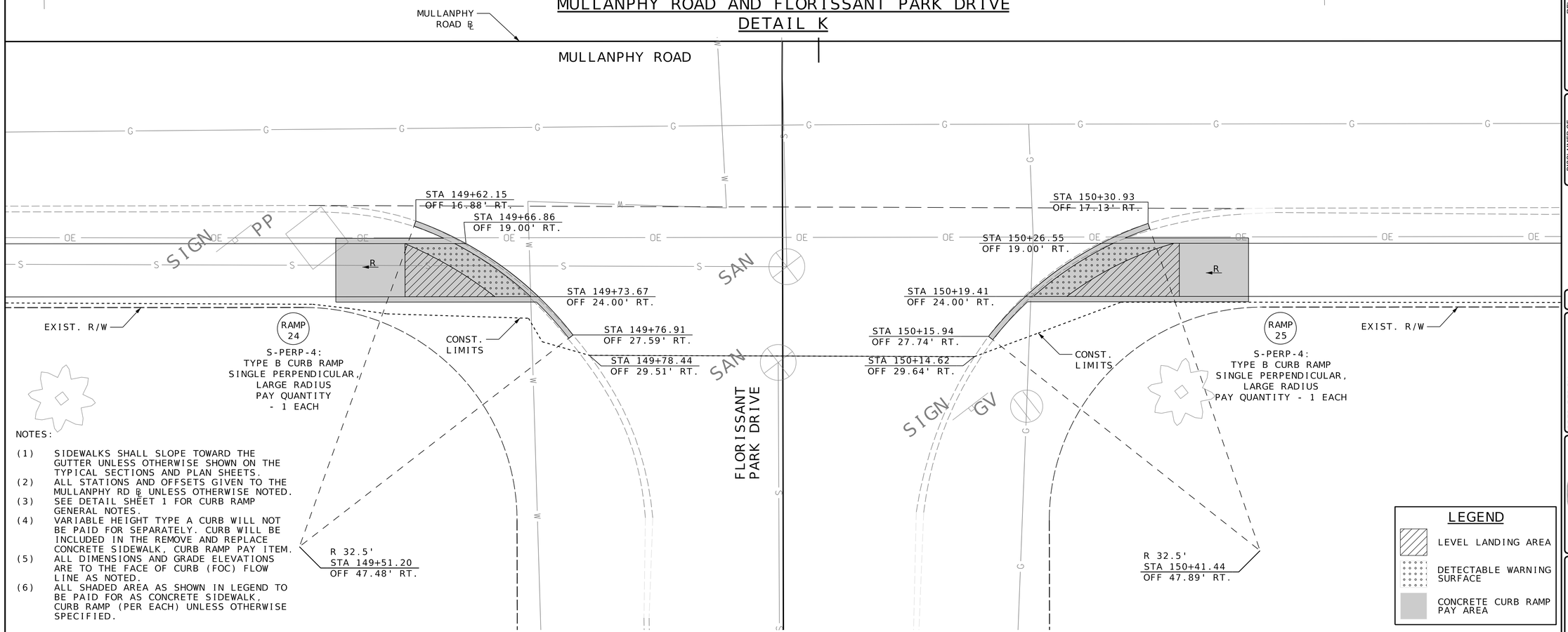
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SHEET SEQUENCE: 35 OF 97

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SCALE
0 5 10 15

MULLANPHY ROAD AND FLORISSANT PARK DRIVE
DETAIL K



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LEGEND
- LEVEL LANDING AREA
- DETECTABLE WARNING SURFACE
- CONCRETE CURB RAMP PAY AREA

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

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MULLANPHY ROAD RESURFACING

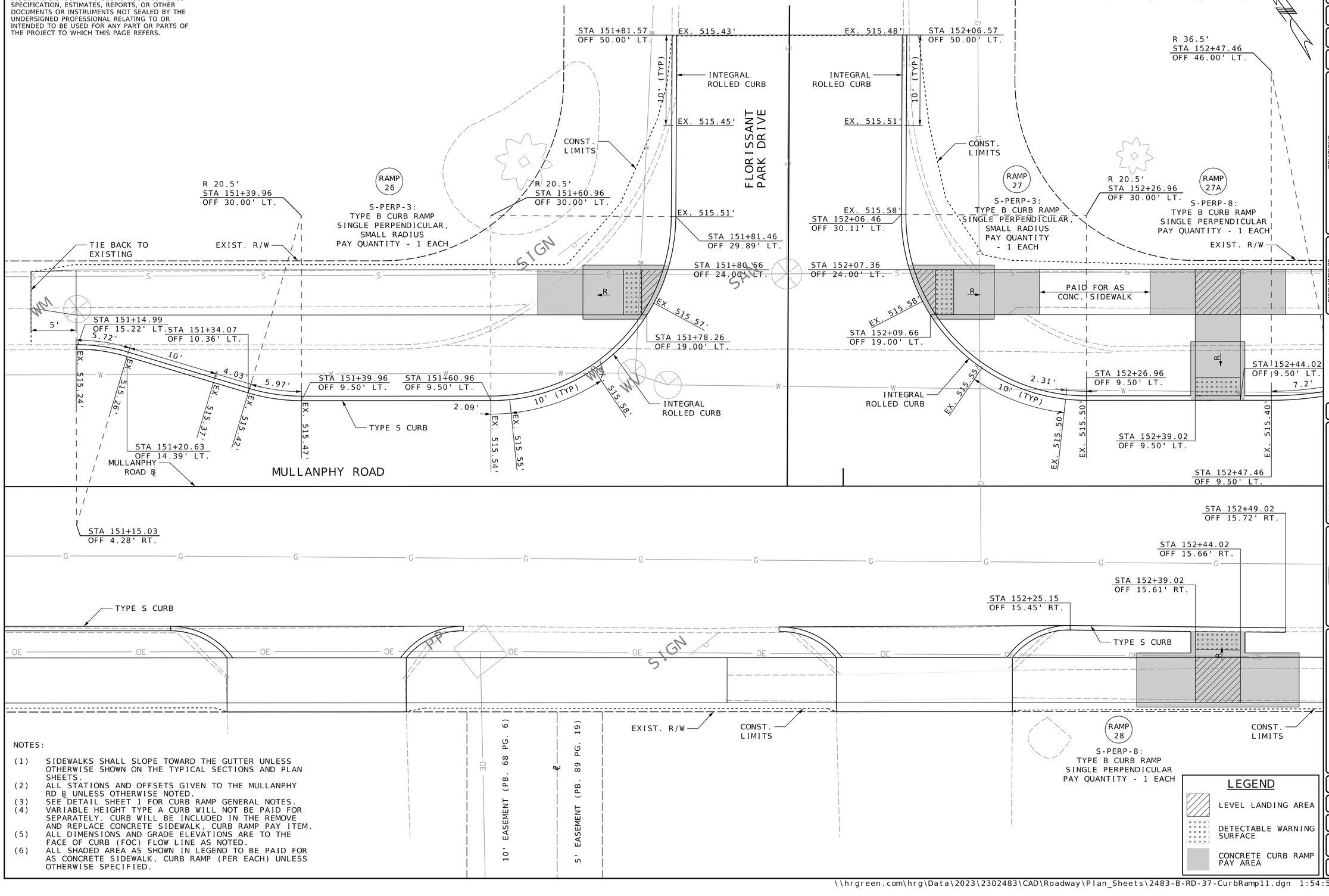
CURB RAMP DETAIL SHEET (SHEET 10 OF 13)

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CHECKED: A. DAVIS
SHEET SEQUENCE: 36 OF 97

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MULLANPHY ROAD AND FLORISSANT PARK DRIVE
DETAIL L

SCALE
0 5 10 15



NOTES:

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LEGEND

- LEVEL LANDING AREA
- DETECTABLE WARNING SURFACE
- CONCRETE CURB RAMP PAY AREA

COUNTY PROJECT NO.
2302483
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STP-4901(650)
E-W GATEWAY TIP NO.
7181-23, 7236-23
MSD:
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PREPARED BY:
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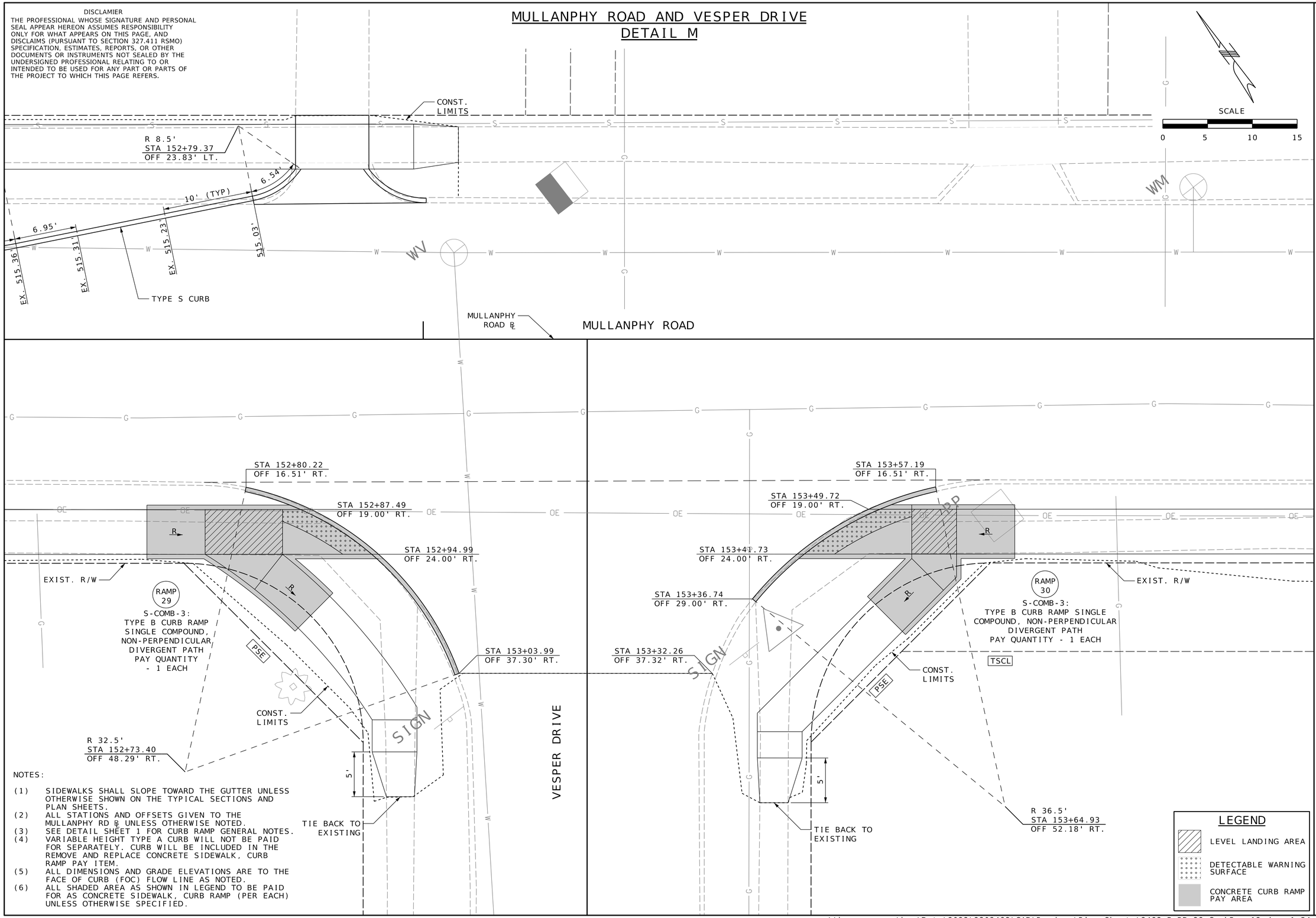
MULLANPHY ROAD RESURFACING

CURB RAMP DETAIL SHEET (SHEET 11 OF 13)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 37 OF 97

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MULLANPHY ROAD AND VESPER DRIVE
DETAIL M



NOTES:

(1) SIDEWALKS SHALL SLOPE TOWARD THE GUTTER UNLESS OTHERWISE SHOWN ON THE TYPICAL SECTIONS AND PLAN SHEETS.
(2) ALL STATIONS AND OFFSETS GIVEN TO THE MULLANPHY RD ℄ UNLESS OTHERWISE NOTED.
(3) SEE DETAIL SHEET 1 FOR CURB RAMP GENERAL NOTES.
(4) VARIABLE HEIGHT TYPE A CURB WILL NOT BE PAID FOR SEPARATELY. CURB WILL BE INCLUDED IN THE REMOVE AND REPLACE CONCRETE SIDEWALK, CURB RAMP PAY ITEM.
(5) ALL DIMENSIONS AND GRADE ELEVATIONS ARE TO THE FACE OF CURB (FOC) FLOW LINE AS NOTED.
(6) ALL SHADED AREA AS SHOWN IN LEGEND TO BE PAID FOR AS CONCRETE SIDEWALK, CURB RAMP (PER EACH) UNLESS OTHERWISE SPECIFIED.

LEGEND
- LEVEL LANDING AREA
- DETECTABLE WARNING SURFACE
- CONCRETE CURB RAMP PAY AREA

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS				
REV	DATE	BY	APP	DESCRIPTION

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PE-2018021250
PROFESSIONAL ENGINEER
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Andrea S. Davis - Civil
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DATE: 4/21/2026

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St. Ferdinand de Fleurissant 1796 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CURB RAMP DETAIL SHEET (SHEET 12 OF 13)

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MULLANPHY ROAD AND ANGELUS DRIVE
DETAIL N

SCALE
0 5 10 15

MULLANPHY ROAD ℄

MULLANPHY ROAD

STA 155+56.20
OFF 19.00' RT.

STA 155+66.44
OFF 23.96' RT.

STA 155+86.42
OFF 19.11' RT.

STA 155+95.30
OFF 23.99' RT.

STA 156+03.42
OFF 33.22' RT.

EXIST. R/W

STA 155+55.05
OFF 24.00' RT.

STA 155+65.29
OFF 28.96' RT.

CONST. LIMITS

TSCL

R 15' BACK OF SDWK
STA 155+79.75
OFF 43.98' RT.

R 32.5'
STA 155+75.40
OFF 49.68' RT.

RAMP 31

S-COMB-3:
TYPE B CURB RAMP SINGLE COMPOUND, NON-PERPENDICULAR DIVERGENT PATH
PAY QUANTITY - 1 EACH

TIE BACK TO EXISTING

ANGELUS DRIVE

STA 156+52.19
OFF 20.99' RT.

STA 156+47.00
OFF 24.00' RT.

STA 156+40.58
OFF 29.00' RT.

STA 156+36.28
OFF 33.48' RT.

STA 156+41.69
OFF 37.09' RT.

TIE BACK TO EXISTING

CONST. LIMITS

EXIST. R/W

RAMP 32

BT-1:
TYPE E CURB RAMP BLENDED TRANSITION, BACK OF CURB
PAY QUANTITY - 1 EACH

R 32.5'
STA 156+63.31
OFF 51.53' RT.

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LEGEND
- LEVEL LANDING AREA
- DETECTABLE WARNING SURFACE
- CONCRETE CURB RAMP PAY AREA

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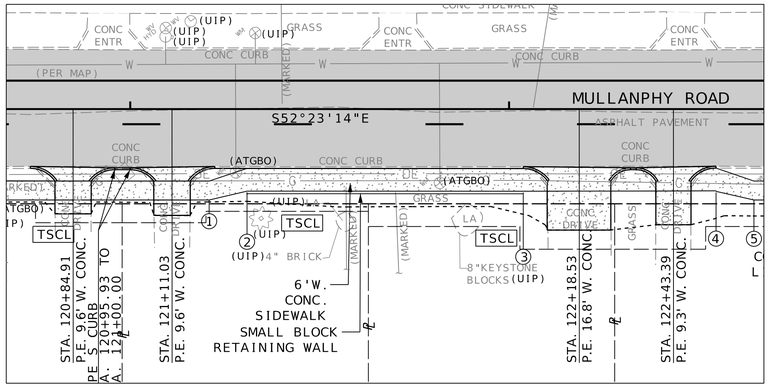
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LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

CURB RAMP DETAIL SHEET (SHEET 13 OF 13)

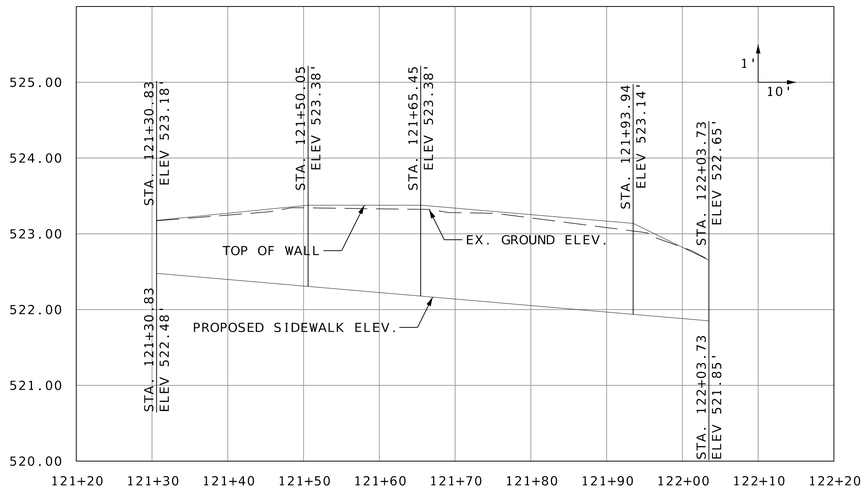
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DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 39 OF 97

① BEGIN SIDEWALK TAPER - STA. 121+20.83
② END SIDEWALK TAPER, BEGIN RETAINING WALL - STA. 121+30.83
③ END RETAINING WALL - STA. 122+03.73
④ BEGIN SIDEWALK TAPER - STA. 122+54.64
⑤ END SIDEWALK TAPER - STA. 122+64.63



PLAN VIEW

NOT TO SCALE



DEVELOPED WALL ELEVATION

NOTES:

DESIGN SPECIFICATIONS
2002 AASHTO LFD (17TH EDITION) STANDARD SPECIFICATIONS (SECTION 5 ASD DESIGN)
MAXIMUM NET ALLOWABLE BEARING PRESSURE - 1.0 KSF

1. MODULAR BLOCK RETAINING WALLS SHALL MEET THE REQUIREMENTS OF THE ST. LOUIS COUNTY HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, CURRENT EDITION.

2. UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEY DATA AND RECORDS. THE OWNER DOES NOT WARRANT THE LOCATION OF THESE FACILITIES AS PRECISE. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXISTENCE AND PRECISE LOCATION OF ALL FACILITIES AND TO AVOID DAMAGE.

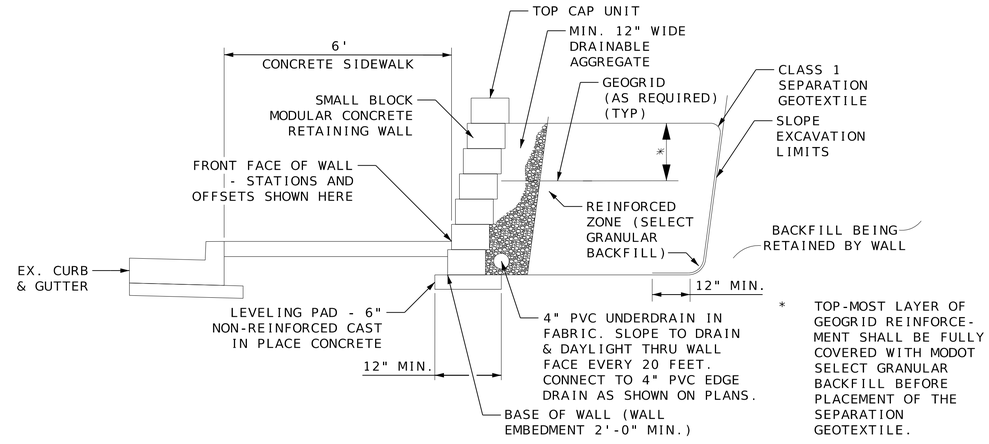
3. RETAINING WALL STATIONING GIVEN FROM FRONT FACE OF WALL.

4. MODULAR BLOCK RETAINING WALL TO BE DESIGNED PER MANUFACTURER'S DETAILS BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF MISSOURI. CONTRACTOR IS REQUIRED TO SUBMIT SEALED WALL DESIGN, INCLUDING ALL PLANS, DESIGN CALCS, SUBSURFACE INFORMATION, (BORING LOGS OR TOHER FACTUAL RECORDS) AND OTHER PERTINENT INFORMATION TO THE CITY OF FLORISSANT PUBLIC WORKS DEPARTMENT FOR REVIEW.

5. A CLASS 1 GEOTEXTILE MATERIAL SHALL BE PLACED BETWEEN THE SELECT GRANULAR BACKFILL AND THE RETAINED BACKFILL, AND THE RETAINED BACKFILL OVER THE TOP OF THE SELECT GRANULAR BACKFILL, TO PREVENT MIXING OF THE IN-SITU SOIL WITH THE GRANULAR MATERIAL. SEE THE STANDARD SPECIFICATIONS FOR FURTHER DETAILS.

6. MODULAR BLOCK WALL PAY ITEM INCLUDES MODULAR BLOCK WALL, EXCAVATION REQUIRED FOR WALL, LEVELING PAD, UNDERDRAIN PIPE, BACKFILL FOR WALL, SEPARATION GEOTEXTILE FABRIC, GEOGRID, AND ANY OTHER COMPONENTS REQUIRED PER MANUFACTURER'S DETAILS. PAY ITEM MEASURED TO THE NEAREST SQUARE FOOT OF EXPOSED WALL FACE.

7. "MBW" STAND FOR MODULAR BLOCK RETAINING WALL.



TYPICAL SECTION A-A THRU MODULAR BLOCK WALL

NOT TO SCALE

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO.
MSD:
MSD BASE MAP: 07J, 07K

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St. Ferdinand de Pleurissant 1796 Florissant City of Historic Site

MULLANPHY ROAD RESURFACING

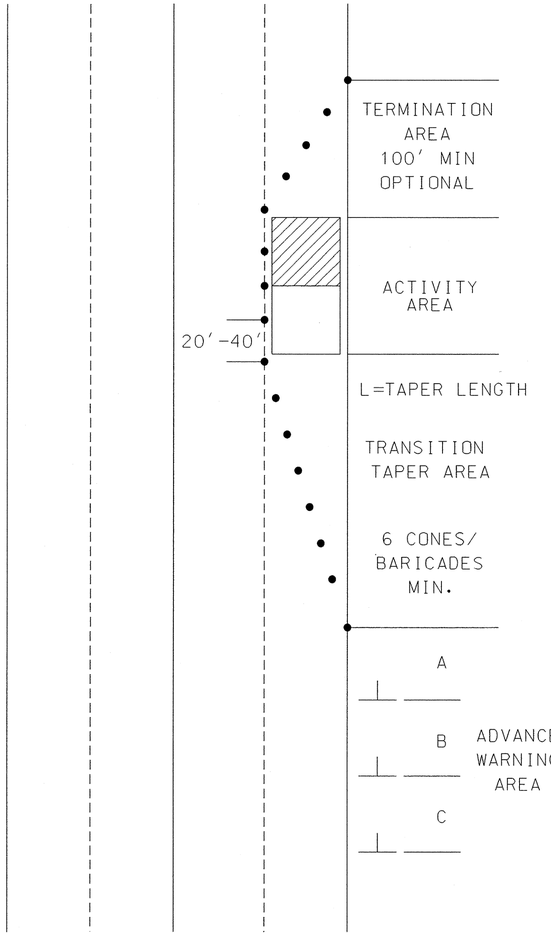
RETAINING WALL DETAIL SHEET (SHEET 1 OF 1)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 40 OF 97

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TYPICAL WORK ZONE

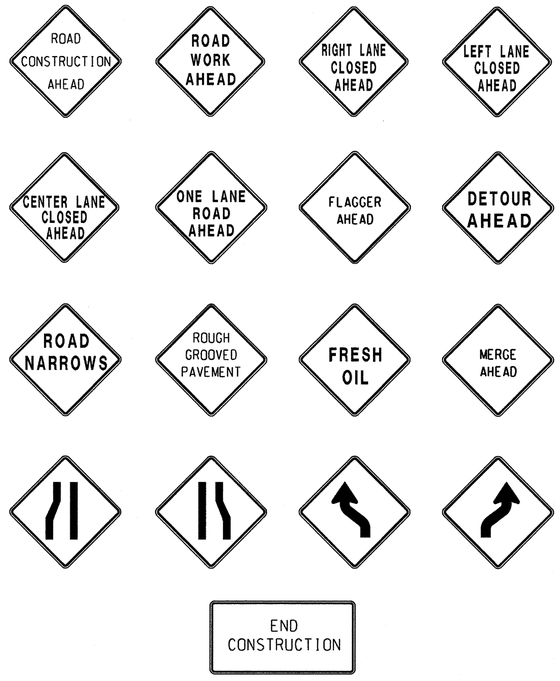
DAY -- CONES OVERNIGHT -- BARRICADES



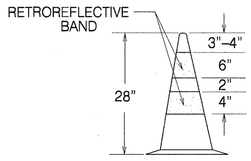
SPEED (MPH)	DISTANCE BETWEEN SIGNS		
	A	B	C
0-30	100'	100'	100'
35-45	350'	350'	350'
50+	1,000'	1,500'	2,640'

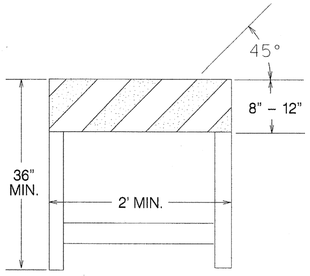
TAPER LENGTH BY SPEED LIMIT					
SPEED	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH
TAPER	120'	180'	240'	300'	540'

TYPICAL TRAFFIC CONTROL DEVICES









TYPE 1 BARRICADE

FLAGGING METHOD



TO STOP TRAFFIC



TRAFFIC PROCEED



TO ALERT AND SLOW TRAFFIC

LEGEND

S/L — SPEED LIMIT

L — TAPER LENGTH

TRUCK WITH HEADLIGHTS AND FLASHING WARNING LIGHTS ON

BUFFER SPACE

REPAIR AREA

FLAGGER

SIGN

20'-40' — CONES/ BARRICADES

BARRICADE

ARROW PANEL

COUNTY PROJECT NO. 2302483

FEDERAL PROJECT NO. STP-4901(650)

E-W GATEWAY TIP NO.

MSD:

MSD BASE MAP: 07J, 07K

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St. Ferdinand de Fleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

TRAFFIC CONTROL SHEET (SHEET 1 OF 9)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

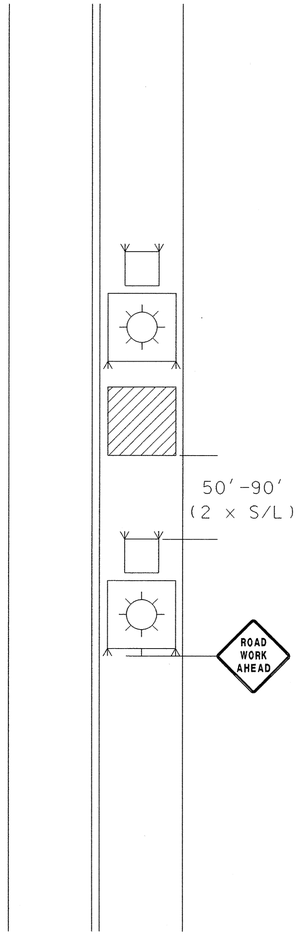
CHECKED: A. DAVIS

SHEET SEQUENCE: 41 OF 97

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ARTERIAL ROAD - TWO-FIVE LANES

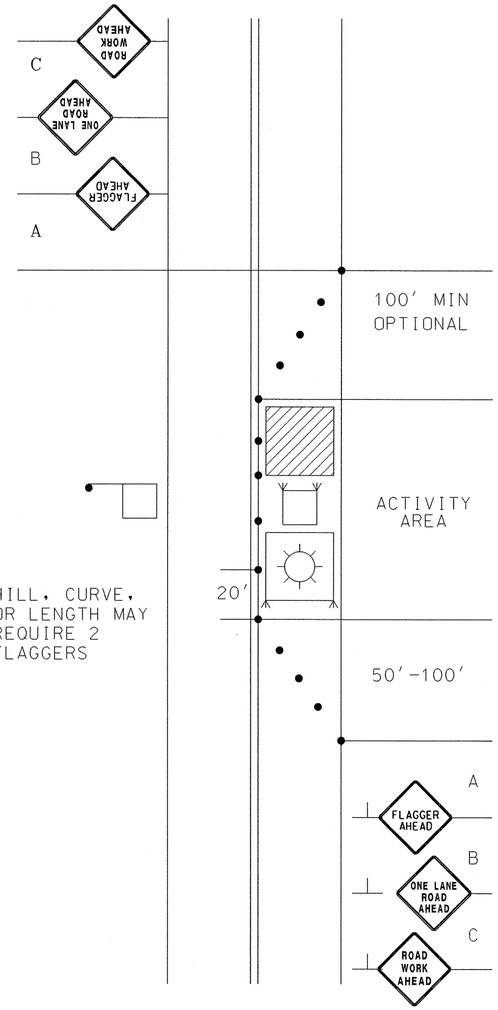
SLOW MOVING OPERATION (UNDER 1 HOUR)



NOTE: FOR USE ON CONCRETE REPLACEMENT WORK AT INTERSECTIONS WITH ARTERIAL ROADS.

ARTERIAL ROAD - TWO LANE

WORK OVER 1 HOUR

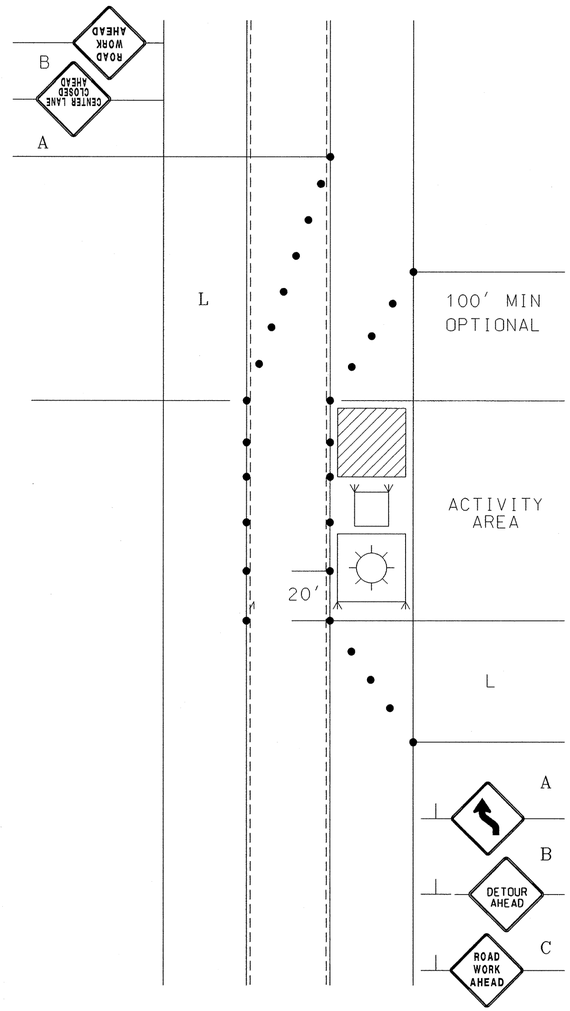


HILL, CURVE, OR LENGTH MAY REQUIRE 2 FLAGGERS

SPEED (MPH)	DISTANCE BETWEEN SIGNS		
	A	B	C
0-30	100′	100′	100′
35-45	350′	350′	350′
50+	1,000′	1,500′	2,640′

ARTERIAL ROAD - THREE LANE

WORK OVER 1 HOUR
DAY -- CONES OVERNIGHT -- BARRICADES



SPEED (MPH)	DISTANCE BETWEEN SIGNS		
	A	B	C
0-30	100′	100′	100′
35-45	350′	350′	350′
50+	1,000′	1,500′	2,640′

TAPER LENGTH SPEED LIMIT					
SPEED	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH
TAPER	120′	180′	240′	300′	540′

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.

MSD:

MSD BASE MAP:
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St. Ferdinand de Fleurissant 1786 St. Florissant City of Florissant

MULLANPHY ROAD RESURFACING

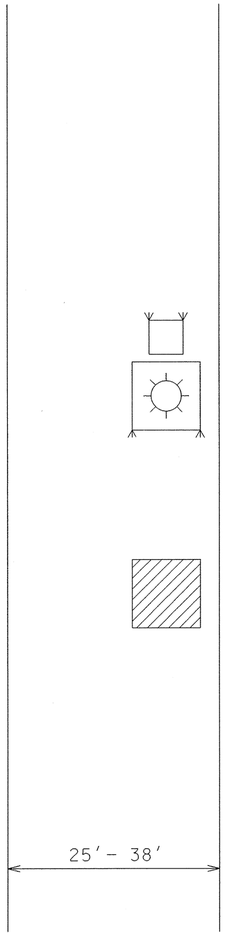
TRAFFIC CONTROL SHEET (SHEET 2 OF 9)

DESIGNED: M. SCHNEIDER
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SHEET SEQUENCE: 42 OF 97

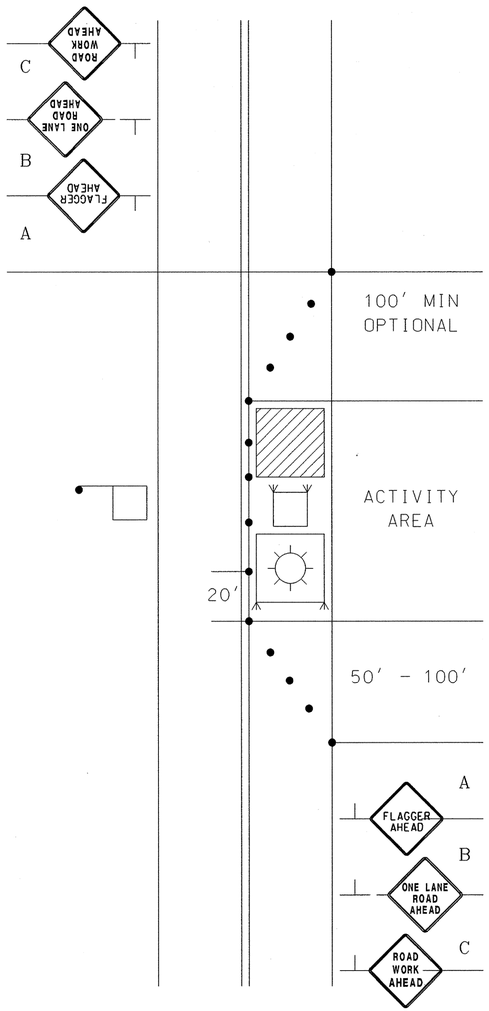
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COUNTY ROAD (25-30 MPH S/L)

SLOW MOVING OPERATION (UNDER 1 HOUR)

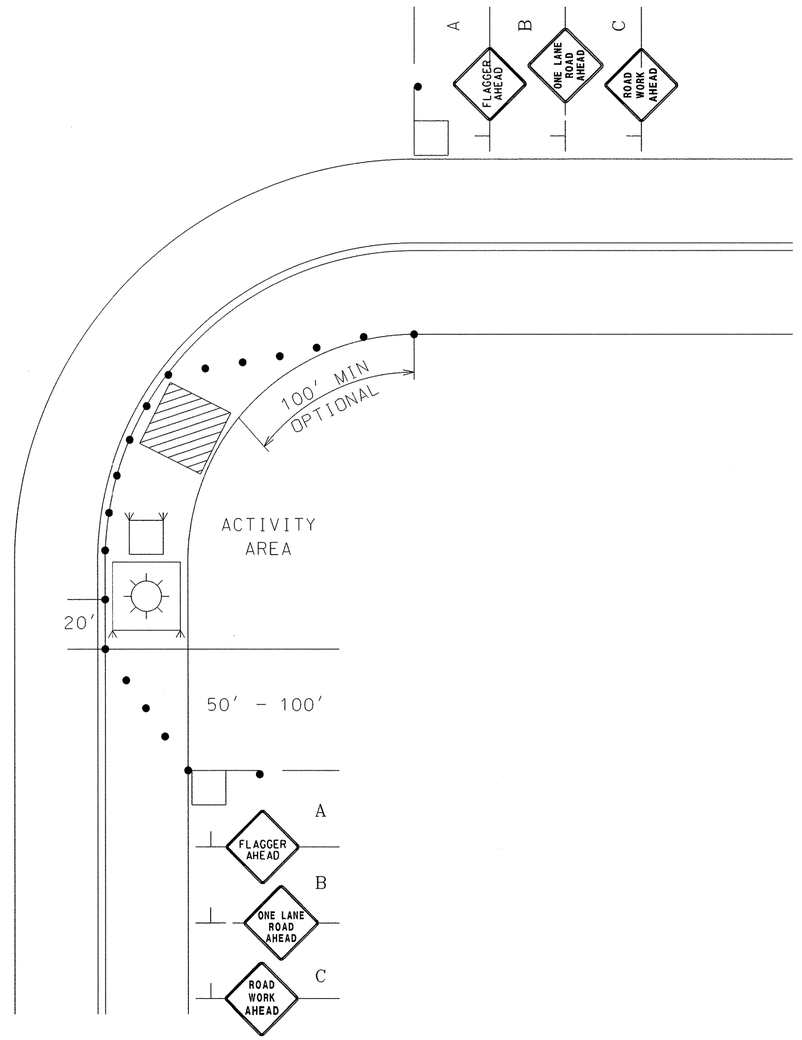


TYPICAL ONE FLAGGER OPERATION



SPEED (MPH)	DISTANCE BETWEEN SIGNS		
	A	B	C
0-30	100′	100′	100′
35-45	350′	350′	350′
50+	1,000′	1,500′	2,640′

TYPICAL TWO FLAGGER OPERATION



SPEED (MPH)	DISTANCE BETWEEN SIGNS		
	A	B	C
0-30	100′	100′	100′
35-45	350′	350′	350′
50+	1,000′	1,500′	2,640′

COUNTY PROJECT NO. 2302483

FEDERAL PROJECT NO. STP-4901(650)

E-W GATEWAY TIP NO.

MSD:

MSD BASE MAP: 07J, 07K

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St. Ferdinand de Florissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

TRAFFIC CONTROL SHEET (SHEET 3 OF 9)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

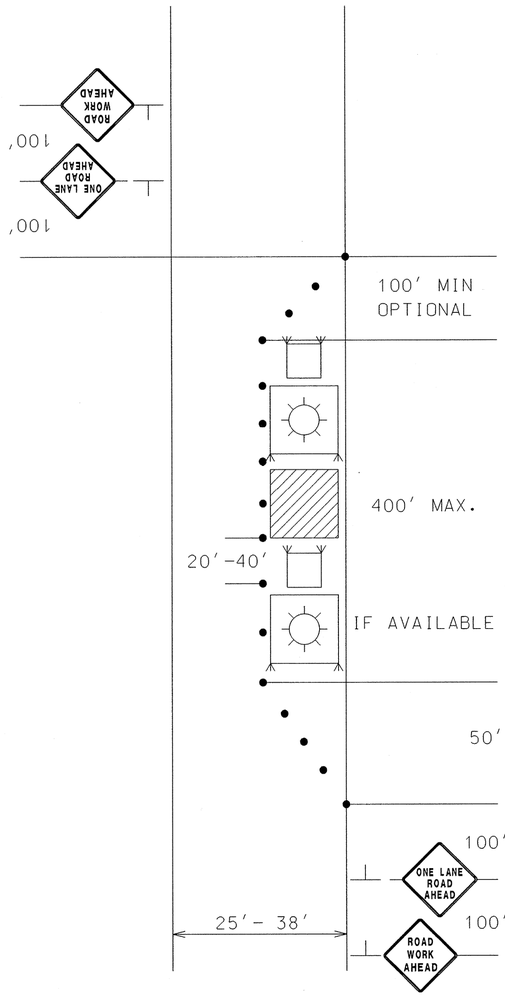
CHECKED: A. DAVIS

SHEET SEQUENCE: 43 OF 97

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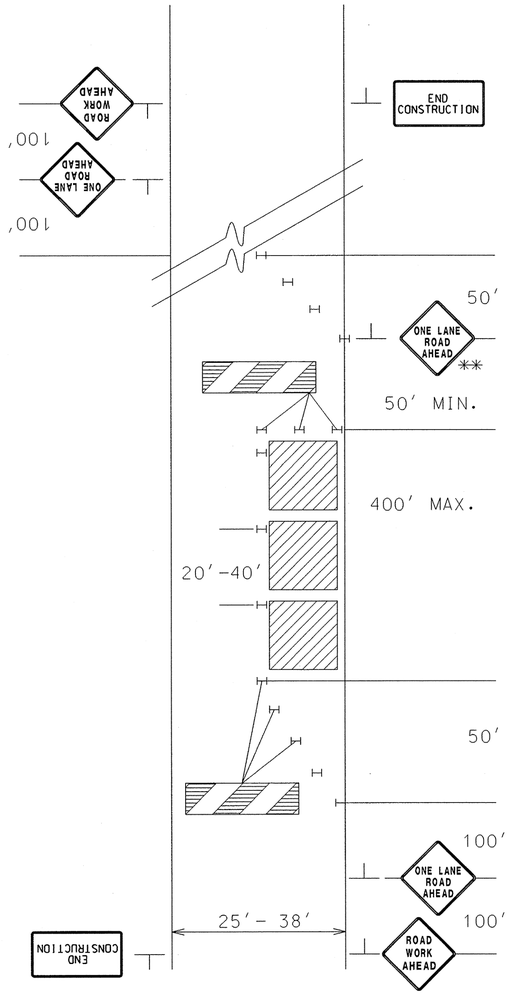
COUNTY ROAD (25-30 MPH S/L)

WORK OVER 1 HOUR



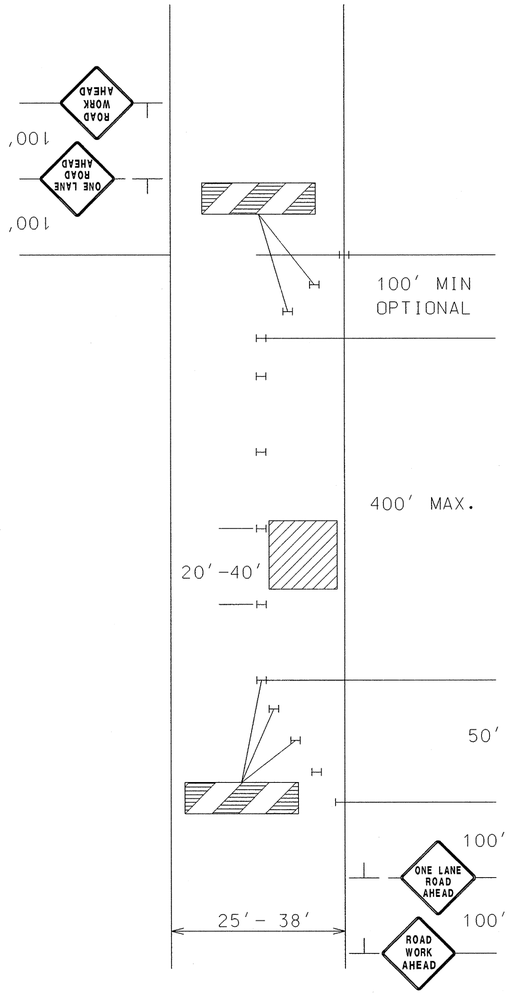
COUNTY ROAD (25-30 MPH S/L)

SLAB REPLACEMENT - OVERNIGHT



COUNTY ROAD (25-30 MPH S/L)

OVERNIGHT - USE BARRICADES



** Sign needed when gap exceeds 500 ft.

COUNTY PROJECT NO. 2302483

FEDERAL PROJECT NO. STP-4901(650)

E-W GATEWAY TIP NO.

MSD:

MSD BASE MAP: 07J, 07K

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Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY: HRGreen — 520 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141

ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

TRAFFIC CONTROL SHEET (SHEET 4 OF 9)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

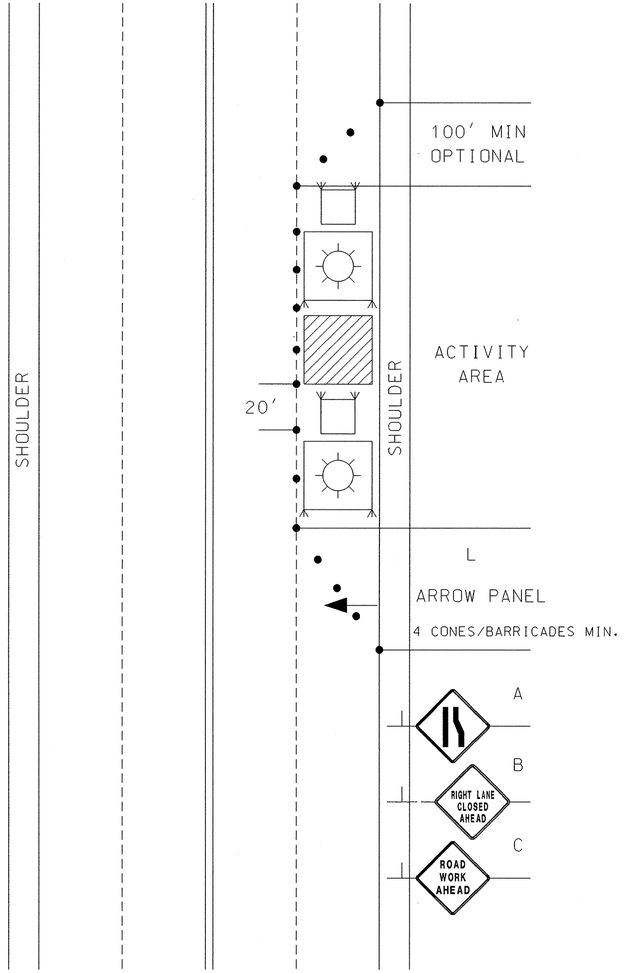
CHECKED: A. DAVIS

SHEET SEQUENCE: 44 OF 97

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ARTERIAL ROAD
FOUR-FIVE LANES

WORK OVER 1 HOUR
DAY -- CONES OVERNIGHT -- BARRICADES

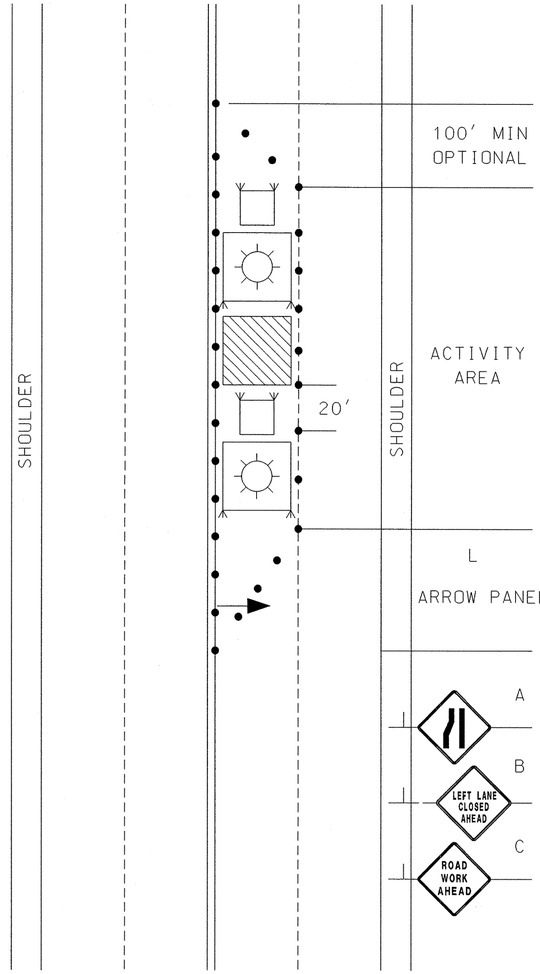


SPEED (MPH)	DISTANCE BETWEEN SIGNS		
	A	B	C
0-30	100′	100′	100′
35-45	350′	350′	350′
50+	1,000′	1,500′	2,640′

TAPER LENGTH BY SPEED LIMIT					
SPEED	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH
TAPER	120′	180′	240′	300′	540′

ARTERIAL ROAD
FOUR-FIVE LANES

WORK OVER 1 HOUR
DAY -- CONES OVERNIGHT -- BARRICADES

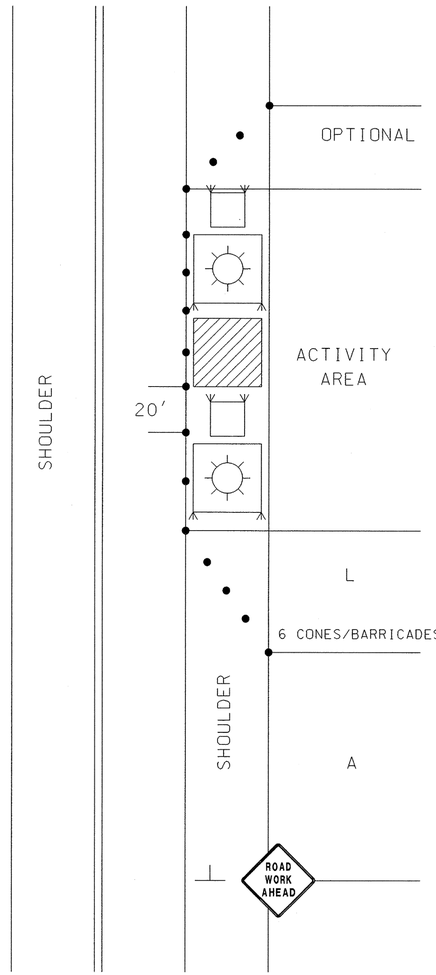


SPEED (MPH)	DISTANCE BETWEEN SIGNS		
	A	B	C
0-30	100′	100′	100′
35-45	350′	350′	350′
50+	1,000′	1,500′	2,640′

TAPER LENGTH BY SPEED LIMIT					
SPEED	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH
TAPER	120′	180′	240′	300′	540′

SHOULDER WORK
TWO-FIVE LANES

WORK OVER 1 HOUR
DAY -- CONES OVERNIGHT -- BARRICADES



SPEED (MPH)	DISTANCE BETWEEN SIGNS		
	A	B	C
0-30	100′	100′	100′
35-45	350′	350′	350′
50+	1,000′	1,500′	2,640′

SHOULDER TAPER LENGTH BY SPEED LIMIT					
SPEED	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH
TAPER	40′	60′	80′	100′	180′

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.

MSD:

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

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MO PE-2018021250

DATE: 4/21/2026

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St. Ferdinand de Florissant 1786 Est. City of Florissant

MULLANPHY ROAD
RESURFACING

TRAFFIC CONTROL SHEET
(SHEET 5 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 45 OF 97

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SCHEDULE
TEMPORARY LANE CLOSING REQUIREMENTS

RECOMMENDED SIGN SPACING FOR ADVANCE WARNING SIGN SERIES			
SPEED (MPH)	DISTANCE BETWEEN SIGNS		
	A	B	C
0-30	100′	100′	100′
35-45	350′	350′	350′
50+	1,000′	1,500′	2,640′

The "A" dimension is the distance from the beginning of the transition, or point of restriction, to the first sign. The "B" dimension is the distance between the first and second signs. The "C" dimension is the distance between the second and third signs. (The "first sign" is the sign in a three sign series that is closest to the activity area. The "third sign" is the sign that is furthest upstream from the activity area.)

TYPE OF TAPER	TAPER LENGTH
MERGING TAPER	AT LEAST L
SHIFTING TAPER	AT LEAST 0.5L
SHOULDER TAPER	AT LEAST 0.33L
ONE-LANE, TWO WAY TRAFFIC TAPER	50′ MIN., 100′ MAX.
DOWNSTREAM TAPER	50′ MIN., 100′ MAX.

NOTES: 1) $L=WS^2/60$ (SPEEDS OF 40 MPH OR LESS)
$L=WS$ (SPEEDS OF 45 MPH OR GREATER)
TAPER LENGTHS SHOWN ARE ROUNDED TO THE NEAREST 5 FEET.

2) PRESCRIBED DISTANCES MAY BE VARIED WITH APPROVAL OF THE DEPARTMENT OF TRANSPORTATION

RECOMMENDED TAPER LENGTH AND DEVICE SPACING FOR CHANNELIZING TAPERS				
APPROACH SPEED OF TRAFFIC (MPH)	MINIMUM TAPER LENGTH FOR LANE WIDTHS			MAXIMUM DEVICE SPACING (IN FEET)
	10 FT.	11 FT.	12 FT.	
20	70	75	80	20
25	105	115	125	25
30	150	165	180	30
35	205	225	245	35
40	265	295	320	40
45	450	495	540	45
50	500	550	600	50
55	550	605	660	55
60	600	660	720	60
65	650	715	780	65

RECOMMENDED MAXIMUM SPACING OF CHANNELIZING DEVICES AT CURVES					
CURVATURE		SPACING ON CURVE (IN FEET)	SPACING IN ADVANCE OF AND BEYOND CURVE (IN FEET)		
DEGREE OF CURVE	RADIUS (IN FEET)		1ST.	2ND.	3RD.
Tangent-1/2°	11,500	100	100	100	100
1/2°-2°	11,500-2,860	75	85	100	100
2°-4°	2,860-1,430	60	70	80	100
4°-8°	1,430-715	50	60	70	80
8°-16°	715-360	40	50	60	70
16-40°	360-140	20	30	50	70

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO.
MSD:
MSD BASE MAP: 07J, 07K

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DATE: 4/21/2026

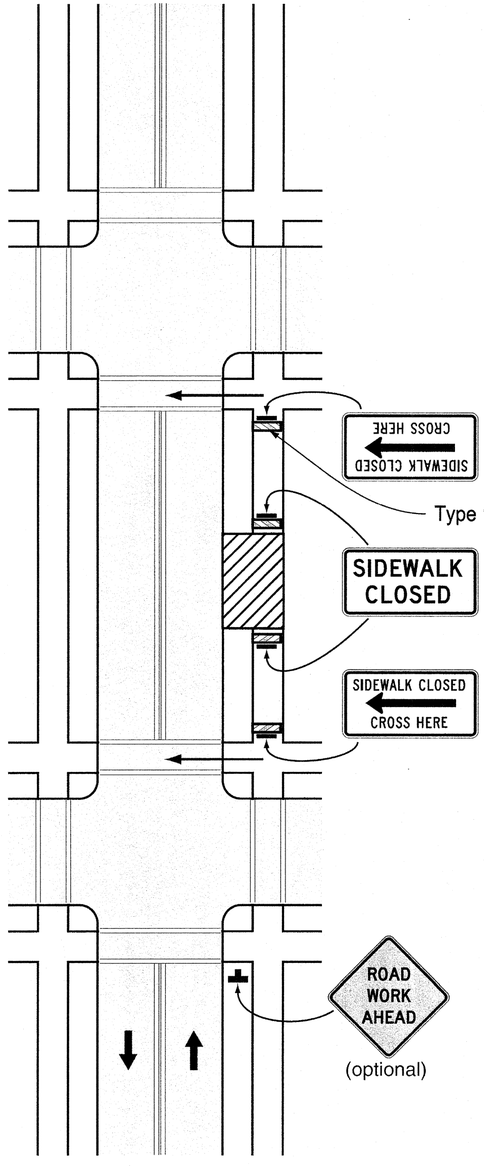
PREPARED BY: HRGreen
320 MARKVIE EXCHANGE, STE. 100, ST. LOUIS, MO 63141
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

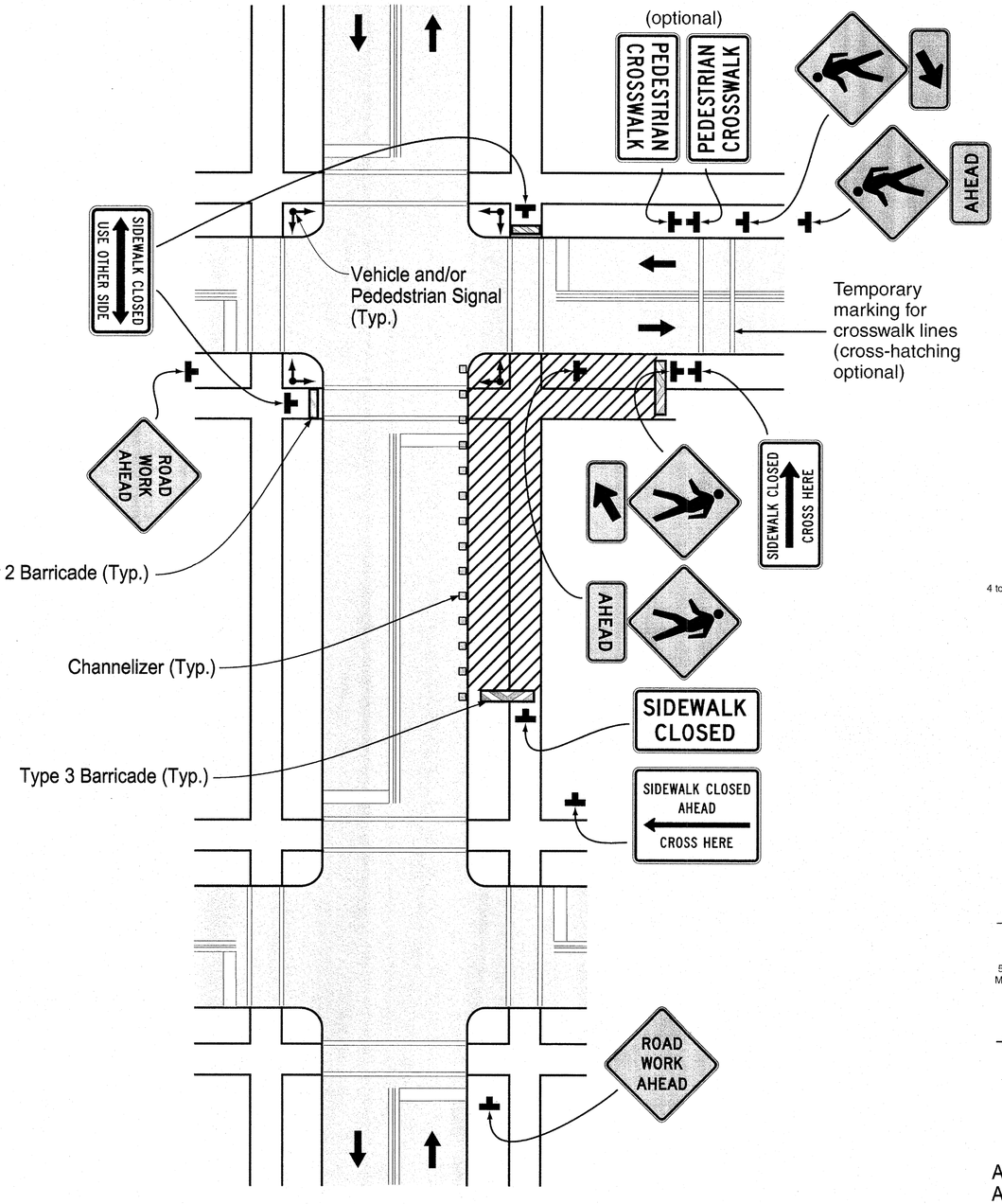
TRAFFIC CONTROL SHEET (SHEET 6 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 46 OF 97

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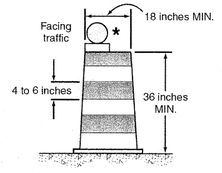


Sidewalk Detour

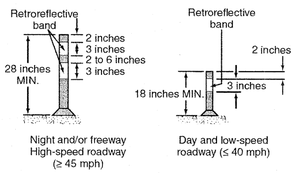


Crosswalk Closures and Pedestrian Detours

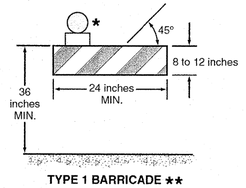
Channelizing Devices



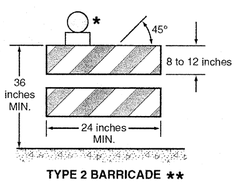
DRUM



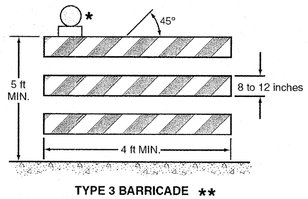
TUBULAR MARKERS



TYPE 1 BARRICADE **



TYPE 2 BARRICADE **



TYPE 3 BARRICADE **

* Warning lights (optional)
** Rail stripe widths shall be 6 inches, except that 4-inch wide stripes may be used if rail lengths are less than 36 inches. The sides of barricades facing traffic shall have retroreflective rail faces.

ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

TEMPORARY TRAFFIC MARKINGS SHALL BE REFLECTIVE TAPE

NO DIRECT PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO.
MSD:
MSD BASE MAP: 07J, 07K

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REV	DATE	BY	APP	DESCRIPTION

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PHONE: 314-432-0550 FAX: 314-432-0551
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Pleurisant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

TRAFFIC CONTROL SHEET (SHEET 7 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 47 OF 97

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R1-1

1



WO20-1

2

BRIDGE
OR
RAMP



WO21-5

3



WO5-1

4

BRIDGE
OR
RAMP



R1-2

TO
ONCOMING
TRAFFIC

R1-2aP

5



WO20-4

6

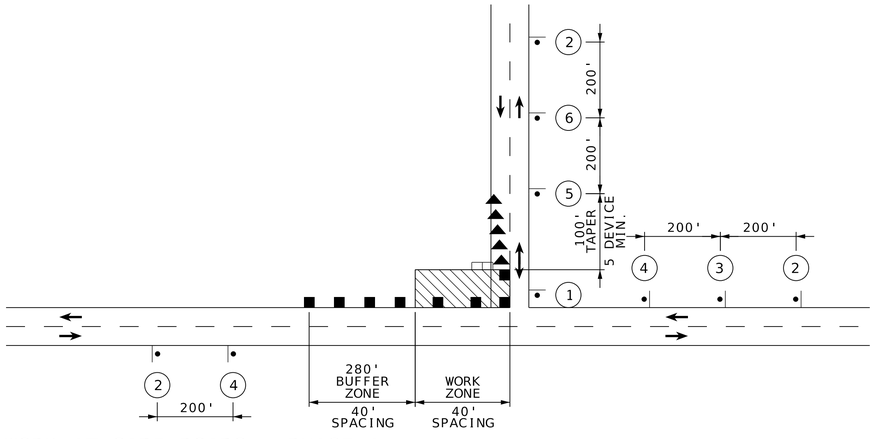
TRAFFIC CONTROL NOTES:

1. FLAGGING OPERATIONS WILL BE ALLOWED DURING DAYLIGHT HOURS ONLY.
2. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING SIGNS.
3. NO DIRECT PAYMENT WILL BE MADE FOR COVERING SIGN.
4. COMPLETELY COVER OR REMOVE ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL SIGNING.
5. COVER OR REMOVE ALL SIGNS WHEN NOT IN USE.
6. USE IN PLACE ALL EXISTING SIGNS WHICH TO NOT CONFLICT WITH THIS PLAN.
7. ACCESS TO ALL PRIVATE ENTRANCES AND COMMERCIAL ENTRANCES SHALL BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE SHOWN ON THESE PLANS.
8. SPACING SHOWN MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
9. ALL SIGNS SHOWN ON THESE PLANS SHALL BE SPACED 200' APART.

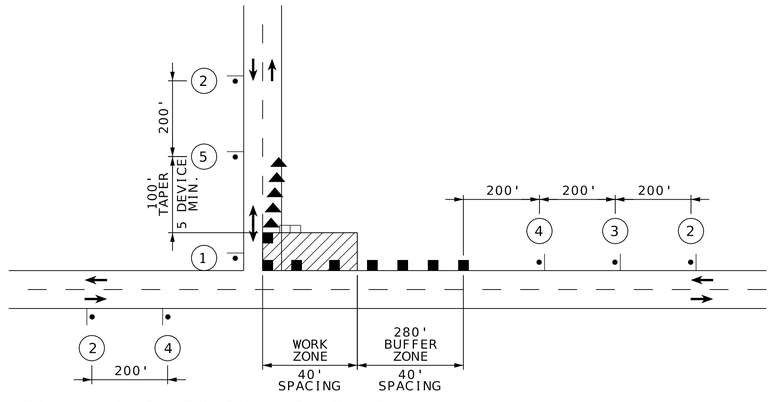
BUFFER SPACE = 280 FT
MAXIMUM CHANNELIZER SPACING
THROUGH TAPER = 35 FT
THROUGH WORK ZONE = 40 FT
MINIMUM TAPER LENGTHS
10 FT SHIFT = 205 FT TAPER
11 FT SHIFT = 225 FT TAPER
12 FT SHIFT = 245 FT TAPER

TRAFFIC CONTROL LEGEND

- SIGN
- CHANNELIZER
- TYPE 3 MOVEABLE BARRICADE
- ACTIVE WORK ZONE
- DIRECTIONAL INDICATOR BARRICADE



WORK AT SIDE ROADS - PHASE A



WORK AT SIDE ROADS - PHASE B

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.

MSD:

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320 MADISON, JEFFERSON CITY, MO 65101 (573) 635-2446
4600 MADSEN DRIVE, SUITE A, COLUMBIA, MO 65203
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MULLANPHY ROAD RESURFACING

TRAFFIC CONTROL SHEET (SHEET 8 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 48 OF 97

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R1-1

(1)



WO20-1

(2)



WO21-5

(3)



WO5-1

(11)

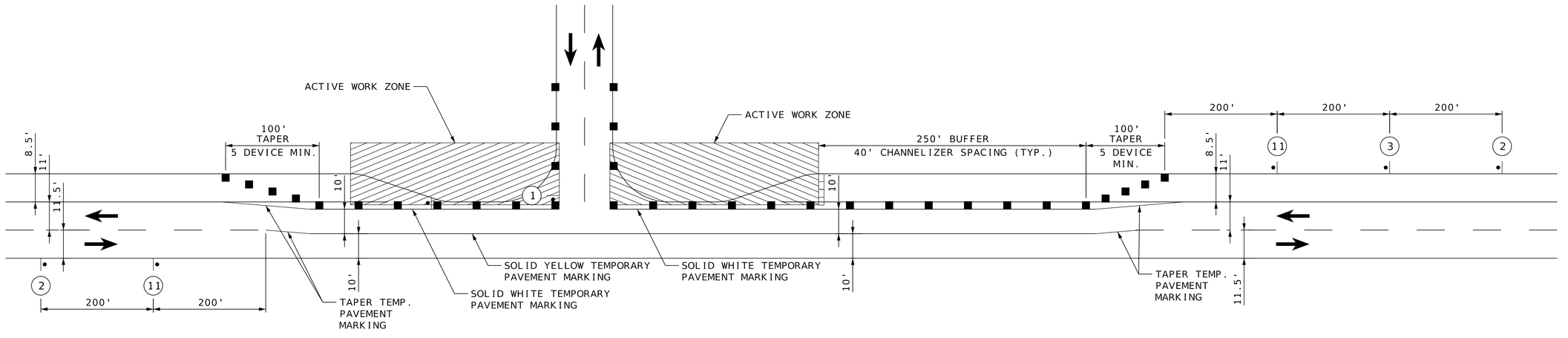
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4. COVER OR REMOVE ALL SIGNS WHEN NOT IN USE.
5. USE IN PLACE ALL EXISTING SIGNS WHICH TO NOT CONFLICT WITH THIS PLAN.
6. ACCESS TO ALL PRIVATE ENTRANCES AND COMMERCIAL ENTRANCES SHALL BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE SHOWN ON THESE PLANS.
7. SPACING SHOWN MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
8. ALL SIGNS SHOWN ON THESE PLANS SHALL BE SPACED 200' APART.

BUFFER SPACE = 280 FT
MAXIMUM CHANNELIZER SPACING
THROUGH TAPER = 35 FT
THROUGH WORK ZONE = 40 FT
MINIMUM TAPER LENGTHS
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TRAFFIC CONTROL LEGEND

- SIGN
- CHANNELIZER
- TYPE 3 MOVEABLE BARRICADE
- ACTIVE WORK ZONE
- DIRECTIONAL INDICATOR BARRICADE



WORK AT SIDEROAD BUMPOUTS

COUNTY PROJECT NO. 2302483

FEDERAL PROJECT NO. STP-4901(650)

E-W GATEWAY TIP NO.

MSD:

MSD BASE MAP: 07J, 07K

REVISIONS

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MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
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ANDREA S. DAVIS
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LICENSE NO. 2018021250



MULLANPHY ROAD RESURFACING

TRAFFIC CONTROL SHEET (SHEET 9 OF 9)

DESIGNED: M. SCHNEIDER

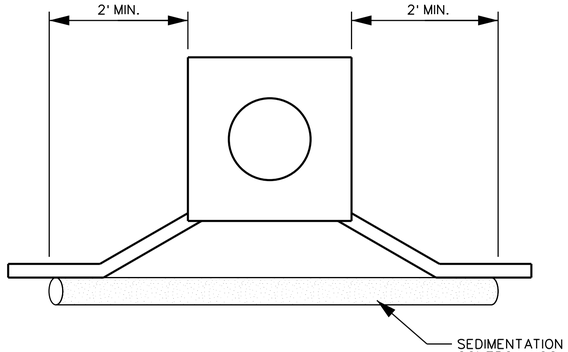
DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

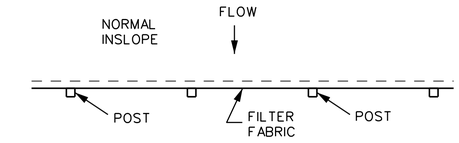
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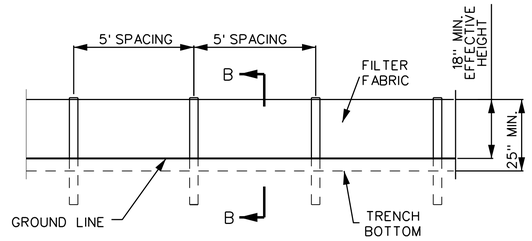
INLET PROTECTION LOCATIONS		
	INLET PROTECTION, SINGLE UNIT	INLET PROTECTION, DOUBLE UNIT
MULLANPHY ROAD		
107+87.71		1
114+24.09		1
117+68.13	1	
117+69.13	1	
120+19.68	1	
120+31.80	1	
124+87.49	1	
124+87.74	1	
128+12.14	1	
128+13.11	1	
131+36.90	1	
132+11.76	1	
132+11.80	1	
134+00.60	1	
138+21.51		1
139+30.96	1	
139+31.43	1	
141+59.91	1	
141+61.48	1	
148+25.11	1	
148+25.51	1	
155+69.46	1	
MULLAN DRIVE		
99+57.95		1
99+59.86	1	
99+60.76	1	
LOVELAND DRIVE		
299+58.90	1	
299+60.36	1	
ASPEN DRIVE		
499+59.08	1	
499+60.00	1	
FERNBROOK LANE		
699+52.62	1	
699+58.09	1	
TYSON DRIVE		
899+52.52	1	
899+62.08	1	



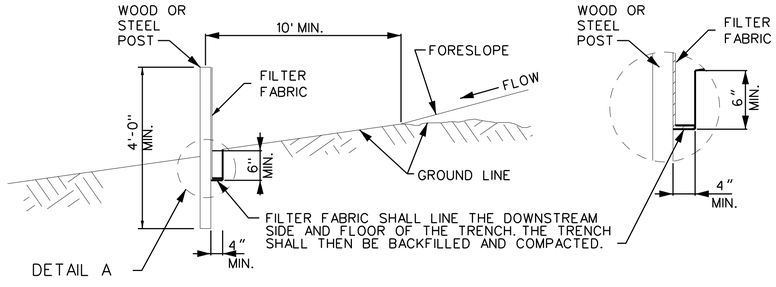
INLET PROTECTION DEVICE - SEDIMENT CONTROL LOG



PLAN VIEW



ELEVATION DETAIL
FABRIC SILT FENCE



TYPICAL B-B

DETAIL A

SILT FENCE DETAILS

COUNTY PROJECT NO. 2302483

FEDERAL PROJECT NO. STP-4901(650)

E-W GATEWAY TIP NO.

MSD:

MSD BASE MAP: 07J, 07K

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PROFESSIONAL ENGINEER

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MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
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PHONE: (314) 429-0100 WWW.HRGREEN.COM
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

EROSION CONTROL SHEET (SHEET 1 OF 1)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 50 OF 97

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STRIPING LEGEND

- S.W. - SOLID WHITE
- I.Y. - INTERMITTENT YELLOW 10' STRIPE, 30' GAP
- D.S.Y. - DOUBLE SOLID YELLOW
- P.C. - PEDESTRIAN CROSSING 2' WIDTH X 10' LENGTH (SEE PLANS)
- STOP BAR - 2' WIDTH X VARIABLE LENGTH (SEE PLANS)

SCALE 0 20 40 60

(UIP) YIELD R1-2

COMMERCIAL SIGN (UIP)

COMMERCIAL SIGN (UIP)

COMMERCIAL SIGN (UIP)

METRO BUS SIGN (TBR)

COMMERCIAL SIGN (UIP)

105

MATCHLINE STA. 106+00.00

MULLANPHY RD. ℄

MULLANPHY ROAD

METRO BUS SIGN (TBR)

UTILITY MARKER (UIP)

(UIP) YIELD R1-2

GAS MARKER (UIP)

UTILITY MARKER (UIP)

NOTES:
1. LONGINTUDINAL PAVEMENT MARKINGS SHALL BE CLASS 1 PAVEMENT MARKING PAINT WITH TYPE P BEADS. INTERSECTION PAVEMENT MARKINGS SHALL BE PREFORMED THERMOPLASTIC MARKINGS.
2. ALL SIGNS MUST MEET THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2023 EDITION, FOR SIGN RETROREFLECTIVITY (MUTCD TABLE 2A-3) SIGNS MUST MEET ASTM MICROPRISMATIC SHEETING STANDARDS (ASTM TYPES IV, VII, VIII, X, OR IX).
3. SIGN POSTS SHALL MEET THE REQUIREMENTS OF THE MoDOT STANDARD DETAILS IN 903.03BG.
4. ALL SIGN POSTS SHALL BE U-CHANNEL POSTS
5. TBR&R INDICATES SIGN SHALL BE REMOVED AND REPLACED WITH A NEW SIGN ON A NEW POST. SIGN WILL BE PLACED IN THE SAME LOCATION AS EXISTING SIGN.

(UIP ON NEW POST) MULLANPHY RD. MULLAN DR.

(TBR&R) STOP R1-1

COMMERCIAL SIGN (UIP)

(TBR) STOP FOR PEDESTRIAN IN CROSSWALK

W11-2

W16-7P

110

MATCHLINE STA. 106+00.00

COMMERCIAL SIGN (UIP)

STA 106+91.74 OFF 14.00' LT.

STA 108+00.00 OFF 9.50' LT.

STA 108+09.87 (MULLANPHY RD. ℄)

MULLAN DRIVE

STA 108+69.65

STA 108+80.19 (MULLANPHY RD. ℄)

4" S.W.

10' WIDE P.C.

4" S.W.

MULLANPHY RD. ℄

MULLANPHY ROAD

±8'

7.5'

4'

±11.5'

4" D.S.Y.

4" I.Y.

MATCHLINE STA. 111+00.00

STA 106+52.05 (MULLANPHY RD. ℄)

STA 106+91.08 OFF 1.00' RT.

STA 106+96.74 (MULLANPHY RD. ℄)

UTILITY MARKER (UIP)

STA 107+70.81 (MULLANPHY RD. ℄)

STA 108+00.00 OFF 2.00' RT.

STA 108+15.05 (MULLANPHY RD. ℄)

STA 108+69.66 (MULLANPHY RD. ℄)

STA 108+79.65 OFF 7.50' LT.

STA 110+33.75 (MULLANPHY RD. ℄)

ASPEN DRIVE

(UIP) STOP R1-1

W11-2

AHEAD W16-9P

SPEED LIMIT 25 R2-1 (TBR&R)

Designated Double Fine Zone (UIP ON NEW POST)

(UIP ON NEW POST) NO TRUCK TRAFFIC EXCEPT FOR DELIVERY TO LOCAL RESIDENTS

(TBR) STOP FOR PEDESTRIAN IN CROSSWALK

LOUD MUSIC PROHIBITED (UIP ON NEW POST)

W11-2

W16-7P

(UIP ON NEW POST) Aspen Dr. Mullanphy Rd.

STOP R1-1 (TBR&R)

COUNTY PROJECT NO. 2302483

FEDERAL PROJECT NO. STP-4901(650)

E-W GATEWAY TIP NO.

MSD:

MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to what is shown, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
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PROFESSIONAL ENGINEER
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Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY: HRGreen
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

SIGNING & STRIPING SHEET (SHEET 1 OF 6)

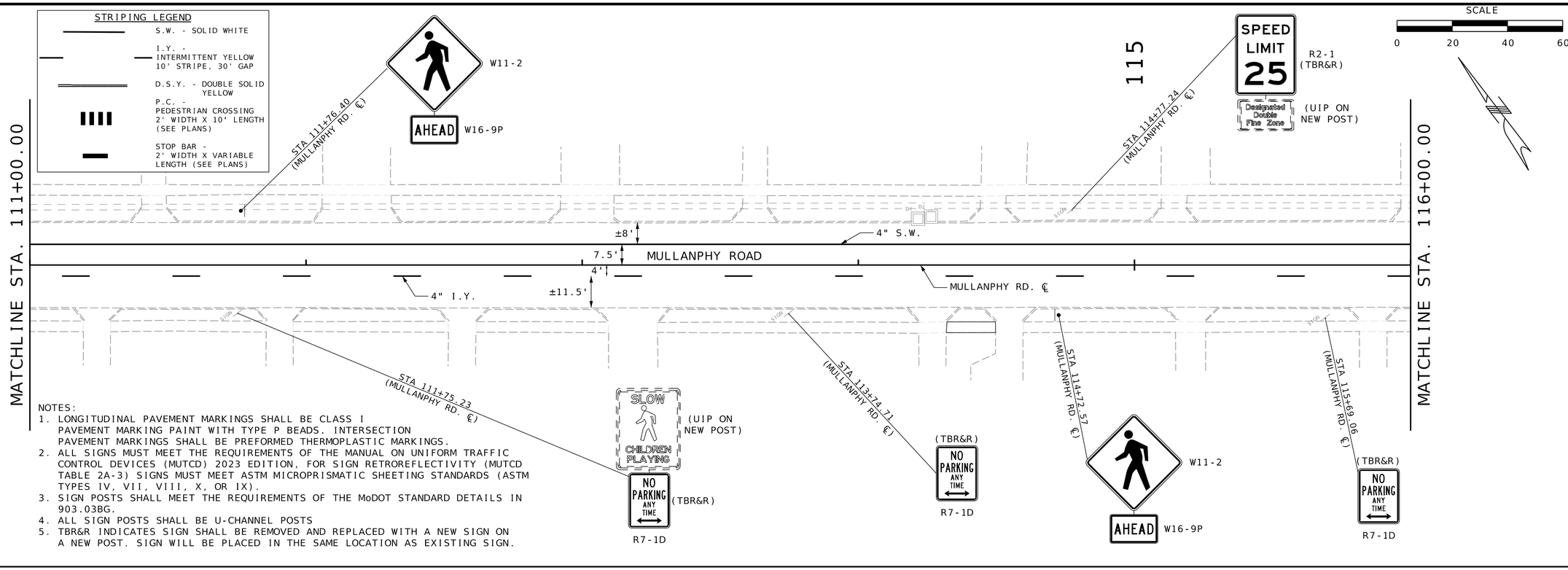
DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

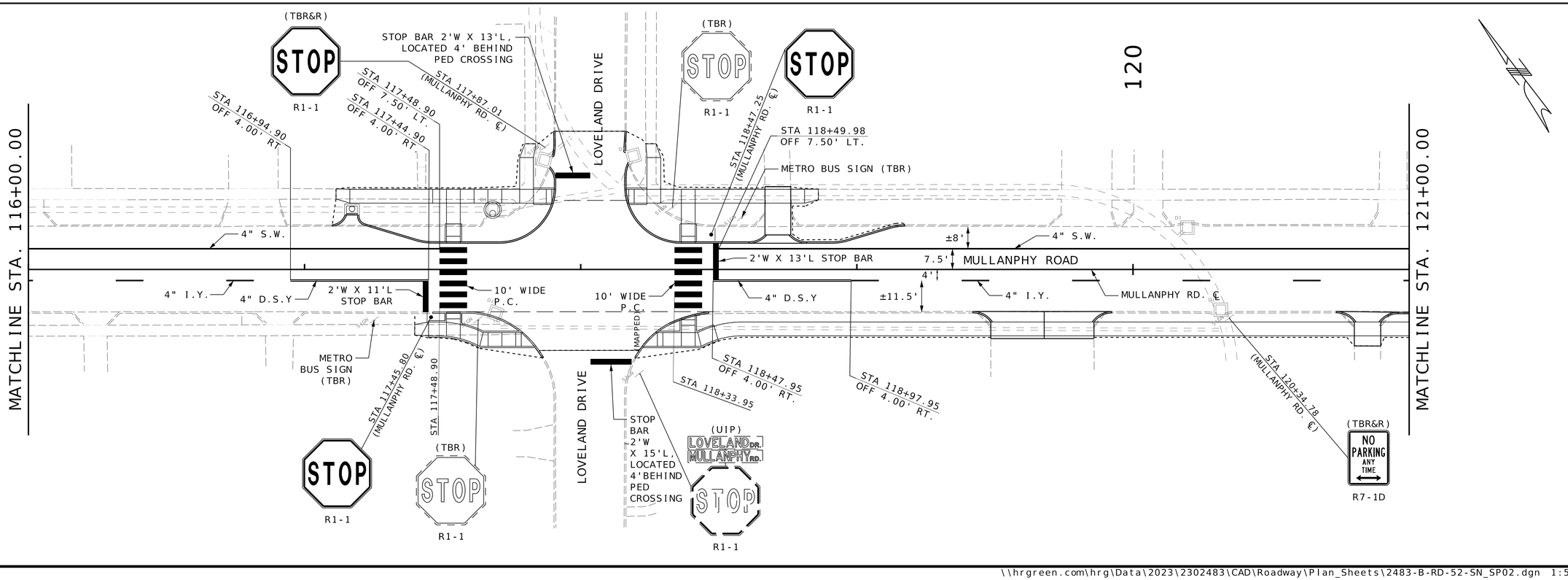
CHECKED: A. DAVIS

SHEET SEQUENCE: 51 OF 97

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NOTES:
1. LONGITUDINAL PAVEMENT MARKINGS SHALL BE CLASS I PAVEMENT MARKING PAINT WITH TYPE P BEADS. INTERSECTION PAVEMENT MARKINGS SHALL BE PREFORMED THERMOPLASTIC MARKINGS.
2. ALL SIGNS MUST MEET THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2023 EDITION, FOR SIGN RETROREFLECTIVITY (MUTCD TABLE 2A-3) SIGNS MUST MEET ASTM MICROPRISMATIC SHEETING STANDARDS (ASTM TYPES IV, VII, VIII, X, OR IX).
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STATE OF MISSOURI
ANDREA S. DAVIS
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MO PE-2018021250

DATE: 4/21/2026

PREPARED BY: HRGreen
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO.
MSD:
MSD BASE MAP: 07J, 07K

MULLANPHY ROAD RESURFACING
SIGNING & STRIPING SHEET (SHEET 2 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 52 OF 97

STRIPING LEGEND

- S.W. - SOLID WHITE
- I.Y. - INTERMITTENT YELLOW 10' STRIPE, 30' GAP
- D.S.Y. - DOUBLE SOLID YELLOW
- P.C. - PEDESTRIAN CROSSING 2' WIDTH X 10' LENGTH (SEE PLANS)
- STOP BAR - 2' WIDTH X VARIABLE LENGTH (SEE PLANS)

SCALE
0 20 40 60

MATCHLINE STA. 121+00.00

W11-2
AHEAD W16-9P
STA 121+36.11 (MULLANPHY RD. ℄)
125
MATCHLINE STA. 126+00.00
±8'
4" S.W.
MULLANPHY ROAD
7.5'
4'
±11.5'
MULLANPHY RD. ℄
4" I.Y.
STA 123+02.06 (MULLANPHY RD. ℄)
(TBR)
NO PARKING ANY TIME
R7-1D
NO PARKING ANY TIME
R7-1D
STA 124+18.56 (MULLANPHY RD. ℄)
W11-2
AHEAD W16-9P

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MATCHLINE STA. 126+00.00

W11-2
W16-7P
METRO BUS STOP (TBR)
STA 126+60.13
STA 126+70.49 (MULLANPHY RD. ℄)
SPEED LIMIT 25
R2-1 (TBR&R)
Designated Double Fine Zone
(UIP ON NEW POST)
STA 128+03.55 (MULLANPHY RD. ℄)
130
W11-2
AHEAD W16-9P
STA 129+69.07 (MULLANPHY RD. ℄)
MATCHLINE STA. 131+00.00
MULLANPHY ROAD
±8'
4" S.W.
7.5'
4'
10' WIDE P.C.
4" I.Y.
±11.5'
MULLANPHY RD. ℄
METRO BUS STOP (TBR)
STA 126+60.20 (MULLANPHY RD. ℄)
(TBR)
STOP FOR PEDESTRIAN IN CROSSWALK
GREELEY DRIVE
(UIP)
Mullanphy Rd.
Greeley Dr.
STOP
R1-1
STA 128+47.78 (MULLANPHY RD. ℄)
STA 128+76.18 (MULLANPHY RD. ℄)
(TBR&R)
NO PARKING ANY TIME
R7-1D
W11-2
AHEAD W16-9P
W11-2
W16-7P

COUNTY PROJECT NO.
2302483
FEDERAL PROJECT NO.
STP-4901(650)
E-W GATEWAY TIP NO.
MSD:
MSD BASE MAP:
07J, 07K

REVISIONS

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STATE OF MISSOURI
ANDREA S. DAVIS
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Andrea S. Davis
04/21/2026 4:13:31 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

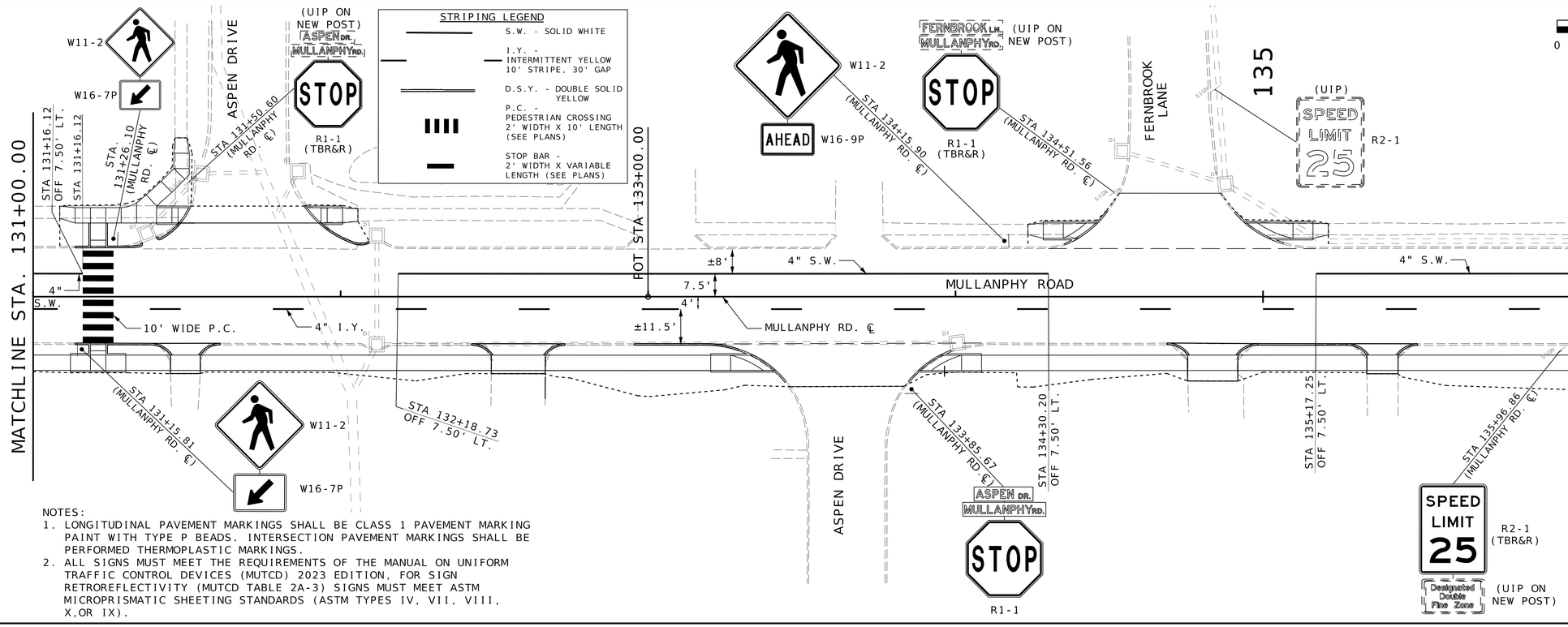
PREPARED BY:
HRGreen
130 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
(314) 432-0550 www.hrgreen.com
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Fleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

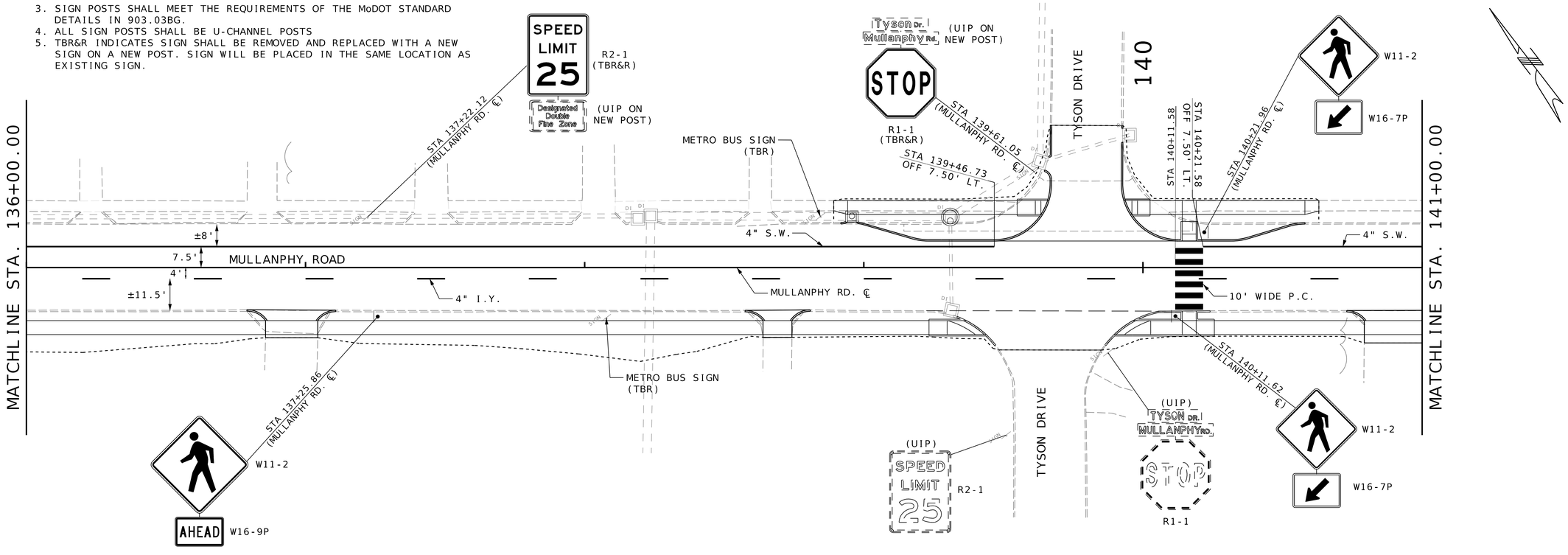
SIGNING & STRIPING SHEET (SHEET 3 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 53 OF 97



NOTES:

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COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO.
MSD:
MSD BASE MAP: 07J, 07K

REVISIONS			
REV	DATE	BY	APP'D	DESCRIPTION

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STATE OF MISSOURI — ANDREA S. DAVIS PE-2018021250 — PROFESSIONAL ENGINEER

Andrea S. Davis
04/21/2026 4:13:35 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

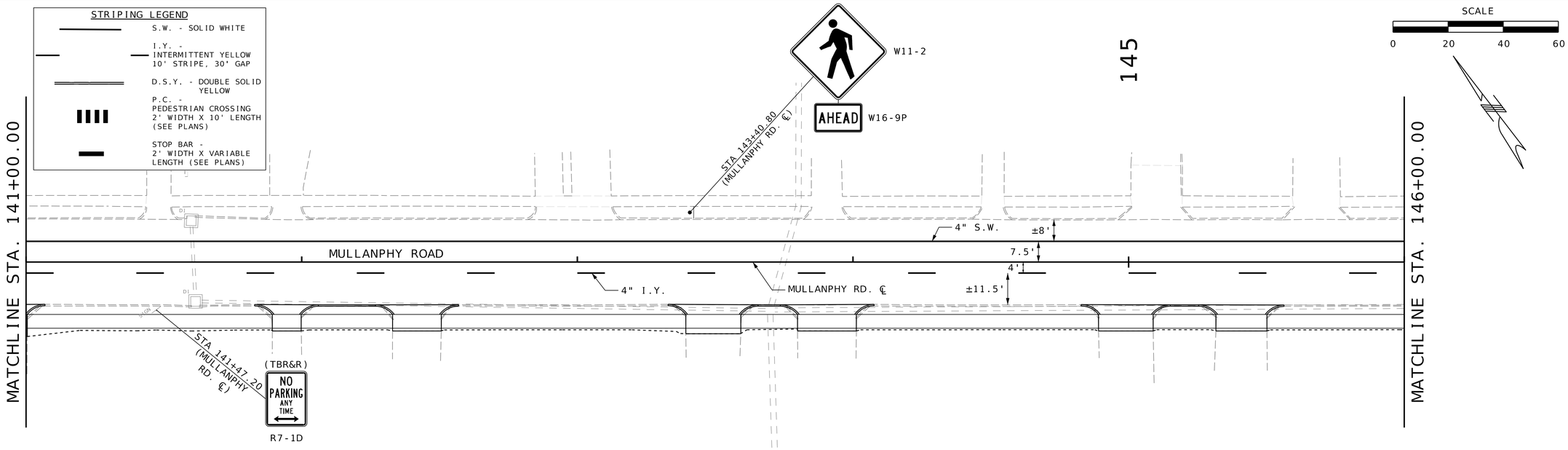
PREPARED BY: HRGreen — 120 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141 — ANDREA S. DAVIS, PROFESSIONAL ENGINEER, LICENSE NO. 2018021250

St. Ferdinand de Fleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

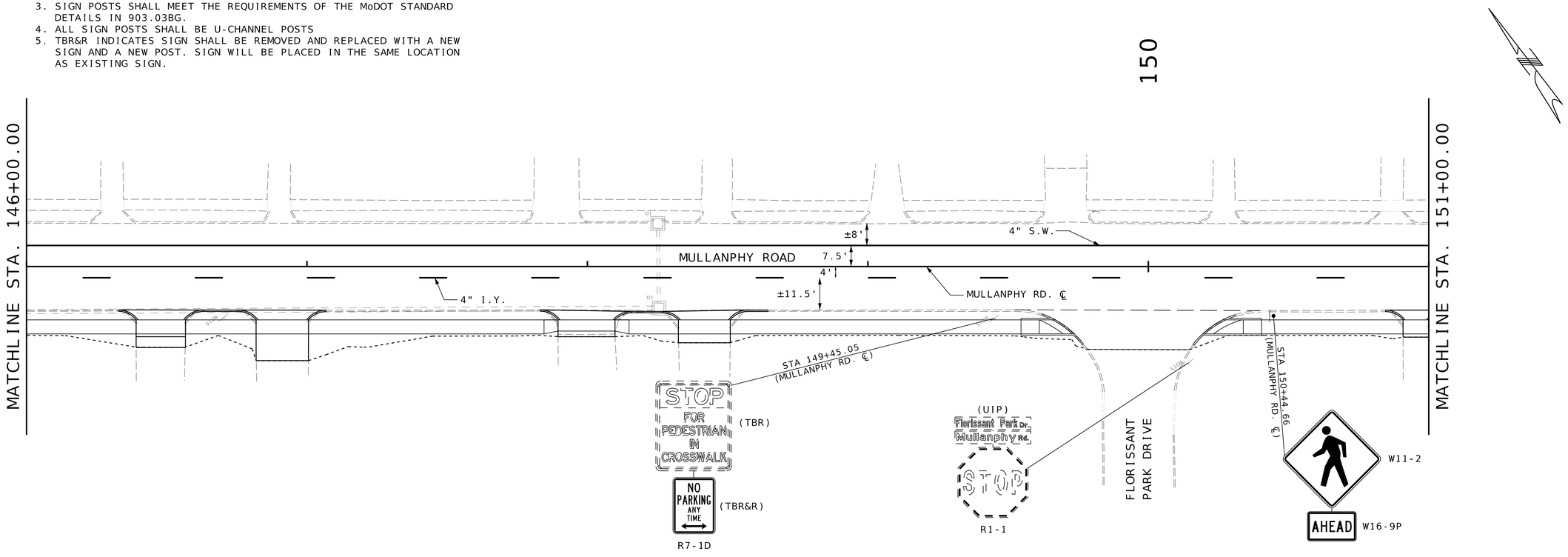
SIGNING & STRIPING SHEET (SHEET 4 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 54 OF 97



NOTES:

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COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO.
MSD:
MSD BASE MAP: 07J, 07K

REVISIONS

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PE-2018021250
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Andrea S. Davis - Civil
MO PE-2018021250

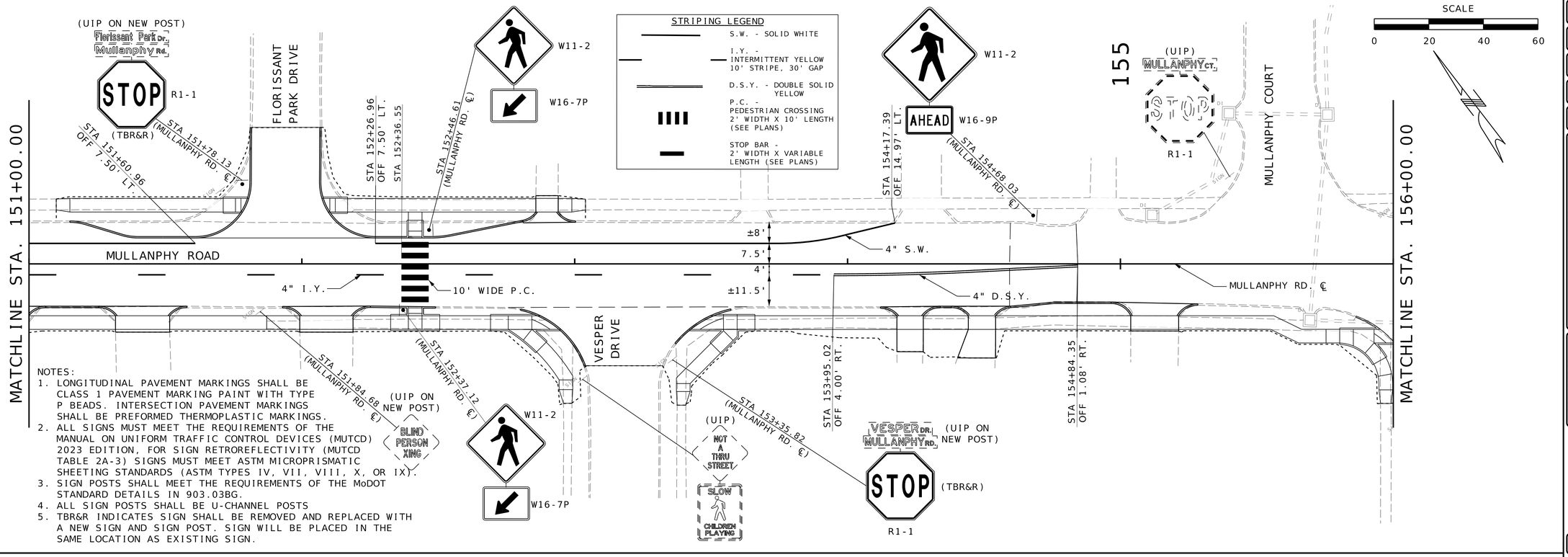
DATE: 4/21/2026

PREPARED BY:
HRGreen
130 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
(314) 432-0550 www.hrgreen.com
ANDREA S. DAVIS
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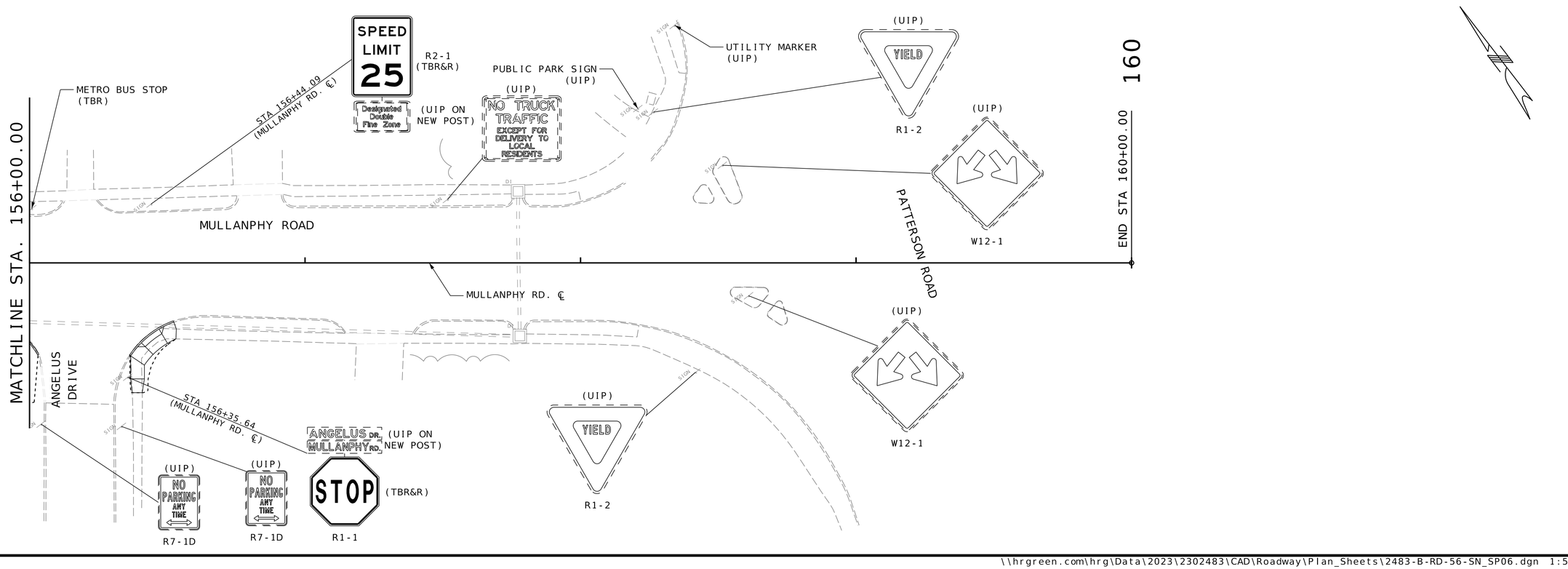
MULLANPHY ROAD RESURFACING

SIGNING & STRIPING SHEET (SHEET 5 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 55 OF 97



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COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO.
MSD:
MSD BASE MAP: 07J, 07K

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Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
120 MAXWELL EDWARDS DRIVE, STE. 100, ST. LOUIS, MO 63141
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ANDREA S. DAVIS
PROFESSIONAL ENGINEER
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MULLANPHY ROAD RESURFACING

SIGNING & STRIPING SHEET (SHEET 6 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 56 OF 97

CONTRACTOR'S INSURANCE (OFFSITE):
PRIOR TO OBTAINING A CONSTRUCTION PERMIT FROM THE METROPOLITAN ST. LOUIS SEWER DISTRICT, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE THE DISTRICT WITH A COPY OF AN EXECUTED CERTIFICATE OF INSURANCE INDICATING THAT THE PERMITTEE HAS OBTAINED AND WILL CONTINUE TO CARRY COMMERCIAL GENERAL LIABILITY AND COMPREHENSIVE AUTO LIABILITY INSURANCE. THE REQUIREMENTS AND LIMITS SHALL BE AS STATED IN THE RULES AND REGULATIONS AND ENGINEERING DESIGN REQUIREMENTS FOR SANITARY AND STORMWATER DRAINAGE FACILITIES, SECTION 10.080.

DETAIL DRAWINGS:
THE DETAIL DRAWINGS SHOWN HERE ARE ONLY FOR PRIVATE CONSTRUCTION THAT IS NOT UNDER MSD PERMITS. REFER TO MSD STANDARD CONSTRUCTION SPECIFICATIONS AND STANDARD DETAILS FOR PUBLIC SEWER CONSTRUCTION OR PRIVATE CONSTRUCTION UNDER MSD PERMITS.

EXISTING CONNECTIONS:
EXISTING WATER AND SANITARY CONNECTIONS WILL NOT BE MODIFIED WITH THIS WORK.

LIMITS OF DISTURBANCE:
THE CONTRACTOR SHALL STAY WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS AND MINIMIZE DISTURBANCE WITHIN THE WORK AREA WHEREVER POSSIBLE.

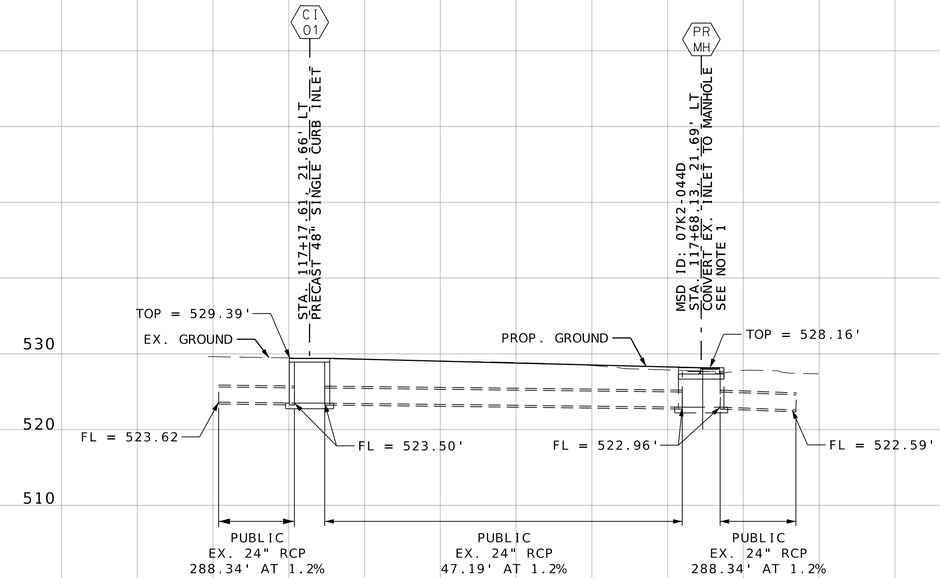
PREVAILING WAGE NOTE:
NOTICE TO CONTRACTOR: THIS PROJECT INCLUDES CONSTRUCTION OF GREEN INFRASTRUCTURE OR RELOCATION, ALTERATION, OR RECONSTRUCTION OF EXISTING MSD FACILITIES. IN ACCORDANCE WITH THE MSD GREEN INFRASTRUCTURE PROGRAM AND MSD RESOLUTION 3263, THE DISTRICT REQUIRES THE WAGE RATE TO BE AT LEAST EQUAL TO THE MISSOURI PREVAILING WAGE RATE AT THE TIME OF CONSTRUCTION START. AN AFFIDAVIT CERTIFYING THAT THE MISSOURI PREVAILING WAGE RATE AT THE TIME OF CONSTRUCTION START HAS BEEN PAID FOR ALL WORK RELATED TO GREEN INFRASTRUCTURE OR RELOCATION, RELOCATION, ALTERATION, OR RECONSTRUCTION OF EXISTING MSD FACILITIES IS REQUIRED PRIOR TO MSD CONSTRUCTION APPROVAL OF THIS PROJECT.

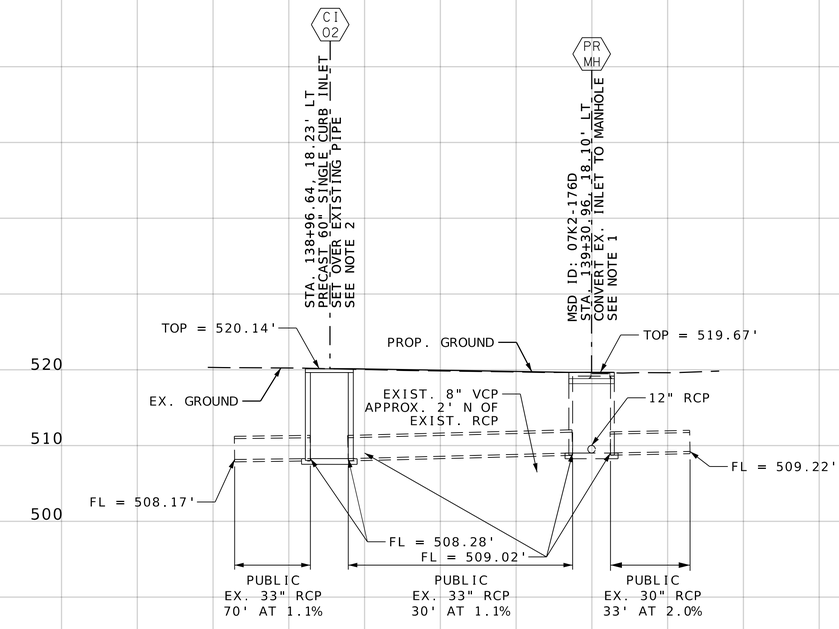
PUBLIC SEWER MAINTENANCE:
MAINTENANCE OF THE SEWERS DESIGNATED "PUBLIC" SHALL BE THE RESPONSIBILITY OF THE METROPOLITAN ST. LOUIS SEWER DISTRICT UPON DEDICATION OF THE SEWERS TO THE DISTRICT.

REMOVE REPLACE OR REHAB NOTE:
THE REMOVAL, REPLACEMENT, OR REHABILITATION OF THE EXISTING STRUCTURE WILL BE DETERMINED BY THE MSD FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE, THEN THE TOP SHALL BE ADJUSTED TO GRADE, IF NEEDED.

STANDARD CONSTRUCTION 2023 VERSION:
ALL STORM AND SANITARY SEWER STRUCTURES AND APPURTENANCES TO BE DEDICATED TO MSD, OR TO BE PRIVATE UNDER MSD INSPECTION, SHALL CONFORM TO THE METROPOLITAN ST. LOUIS SEWER DISTRICT, STANDARD CONSTRUCTION SPECIFICATIONS FOR SEWERS AND DRAINAGE FACILITIES, 2023. THAT WILL INCLUDE STANDARD DETAILS SHOWN THEREIN, ALL SUBSEQUENT CHANGES MADE THERETO, AND SHALL ALSO INCLUDE THE FOLLOWING:

PART 2 - MATERIALS OF CONSTRUCTION
SECTION G PIPE.
12. CORRUGATED POLYPROPYLENE PIPE.
D. PIPE FOR GRAVITY SEWER INSTALLATIONS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321. CONSOLIDATION BY WATER (JETTING OR PUDDLING) SHALL NOT BE USED. CONSOLIDATION SHALL BE IN ACCORDANCE WITH MSD STANDARD CONSTRUCTION SPECIFICATIONS FOR TRENCH BACKFILL. PRICE FOR COMPACTED BACKFILL SHALL BE INCLUDED IN PIPE UNIT COST.
1. FOR USE IN SANITARY AND COMBINED SEWER INSTALLATIONS, A REPRESENTATIVE FROM THE PIPE MANUFACTURER SHALL VISIT THE SITE WITHIN THE FIRST 100 FEET OF PIPE INSTALLATION. COORDINATION OF THIS SITE VISIT SHALL BE ARRANGED BY THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE THE MSD INSPECTOR AT LEAST 24 HOURS' NOTICE OF THE PLANNED DATE AND TIME OF THE MANUFACTURER'S SITE VISIT.
2. FOLLOWING THE SITE VISIT, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A LETTER FROM THE PIPING MANUFACTURER SUMMARIZING THEIR OBSERVATIONS. AT A MINIMUM, THE LETTER SHALL:
A) INDICATE THE DATE THE INITIAL SECTION OF PIPE WAS INSTALLED; AND
B) VERIFY THAT THE INSTALLATION OCCURRED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED PROCEDURES.
E. TRENCH WIDTH SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION RECOMMENDATIONS. DISTRICT STANDARD PAYLINE WIDTHS BASED ON THE NOMINAL INSIDE PIPE DIAMETER SHALL APPLY.





(1) THE REMOVAL AND REPLACEMENT, OR REHABILITATION OF THE EXISTING STRUCTURE WILL BE DETERMINED BY THE MSD FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE, THEN THE TOP SHALL BE ADJUSTED TO GRADE, IF NEEDED.

(2) DETAIL FOR PRECAST INLET ON EXISTING PIPE CAN BE FOUND ON DETAIL SHEET 18 IN MSD'S 2023 STANDARD CONSTRUCTION SPECIFICATIONS.

10'

COUNTY PROJECT NO.
2302483
FEDERAL PROJECT NO.
STP-4901(650)
E-W GATEWAY TIP NO.
MSD:
MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S Davis
04/21/2026 4:13:43 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
HRGreen.com
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

PIPE PROFILE SHEET (SHEET 1 OF 1)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 57 OF 97
BRIDGE SHEET NO.: OF
REV.

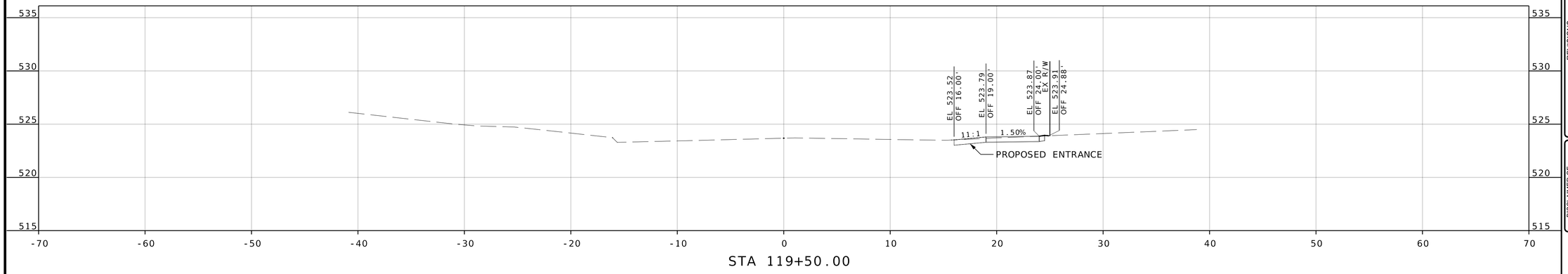
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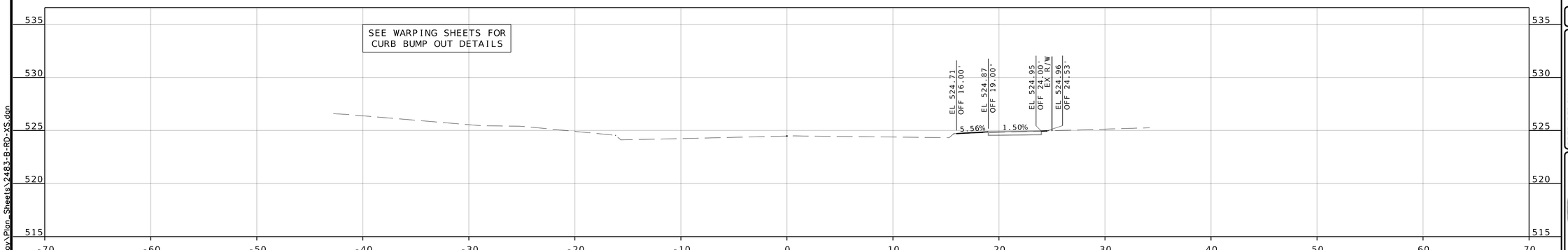
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

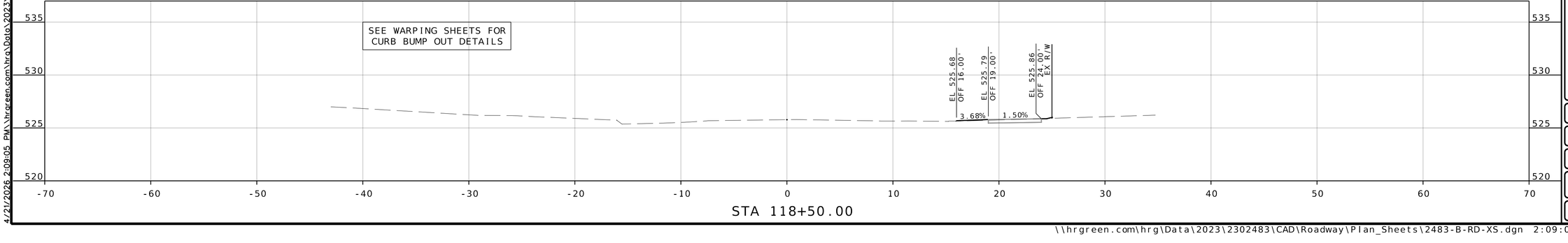
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STA 119+50.00



STA 119+00.00



STA 118+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S. Davis
04/21/2026 4:13:46 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
(314) 432-0550 | WWW.HRGREEN.COM

PROFESSIONAL ENGINEER
LICENSE NO.

St. Ferdinand de Pleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 1 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 58 OF 97

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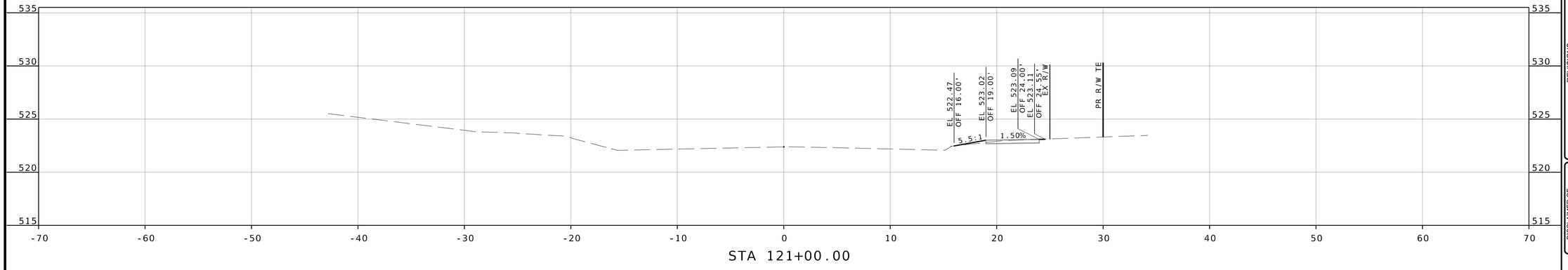
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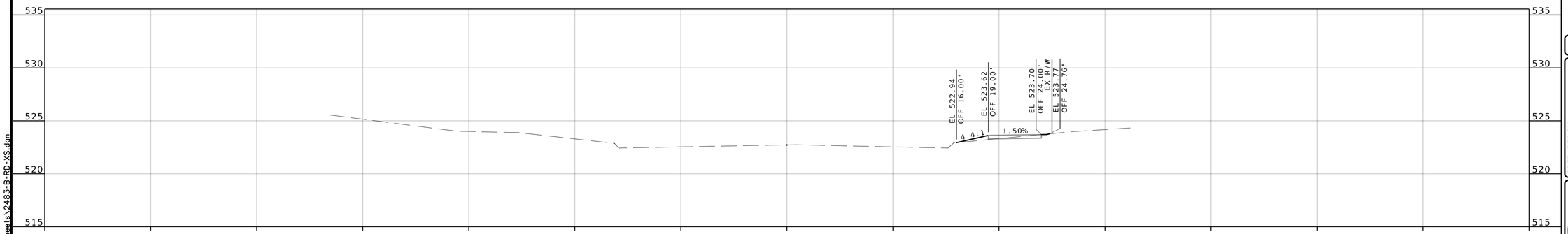
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

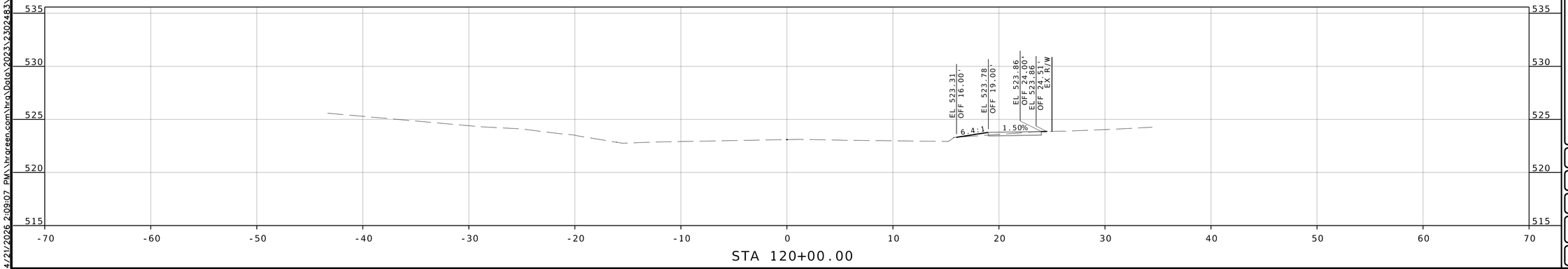
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STA 121+00.00



STA 120+50.00



STA 120+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS			
REV	DATE	BY	APP'D

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ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:13:49 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
120 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: (314) 579-0900 FAX: (314) 579-0909

PROFESSIONAL ENGINEER LICENSE NO.

St. Ferdinand de Fleuriesant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 2 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 59 OF 97

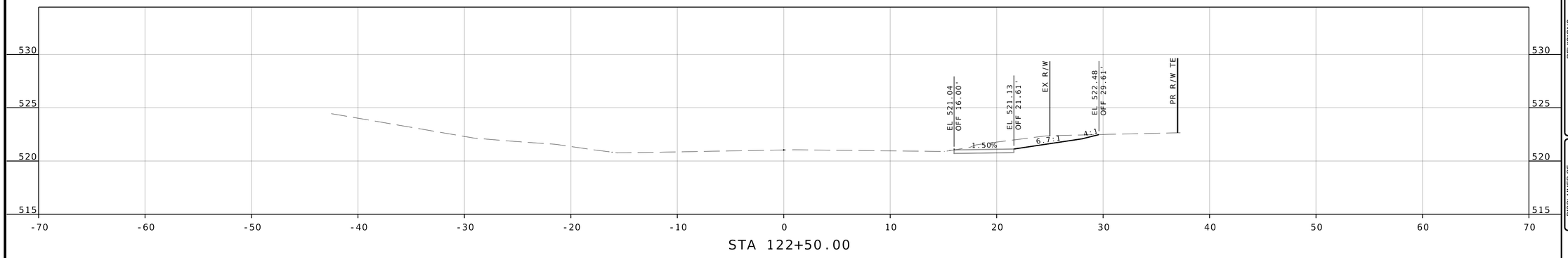
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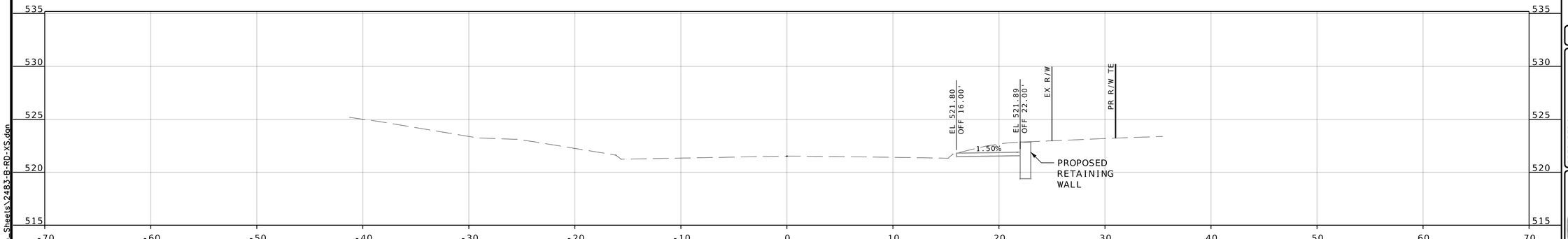
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

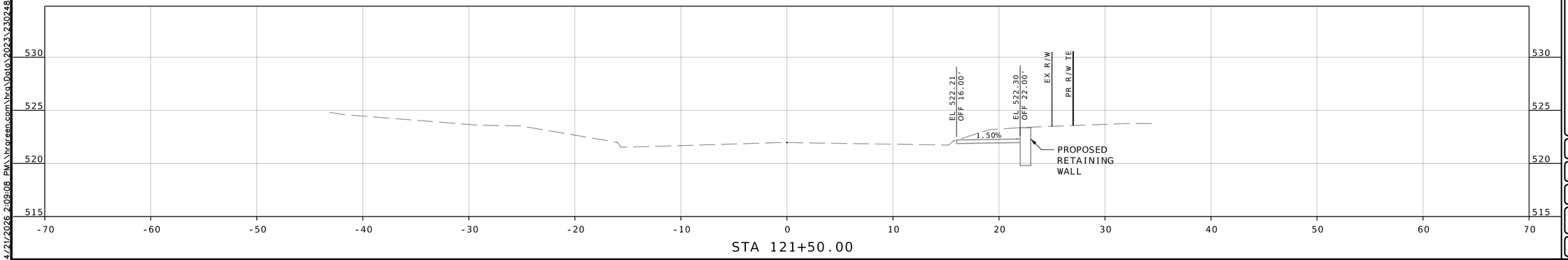
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STA 122+50.00



STA 122+00.00



STA 121+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

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ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

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Andrea S. Davis - Civil
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DATE: 4/21/2026

PREPARED BY:
HRGreen
120 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: (314) 432-0550 WWW.HRGREEN.COM

PROFESSIONAL ENGINEER
LICENSE NO.

St. Ferdinand de Fleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 3 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 60 OF 97

4/21/2026 2:09:08 PM \\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-XS.dgn

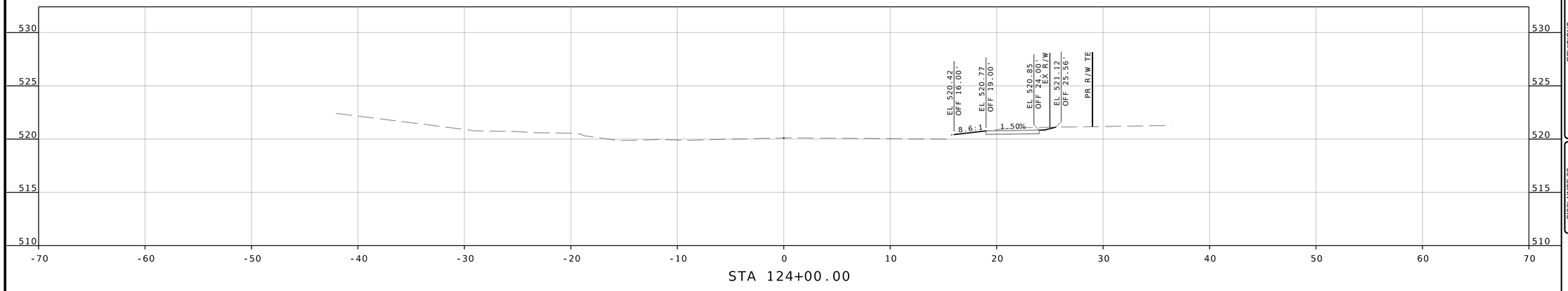
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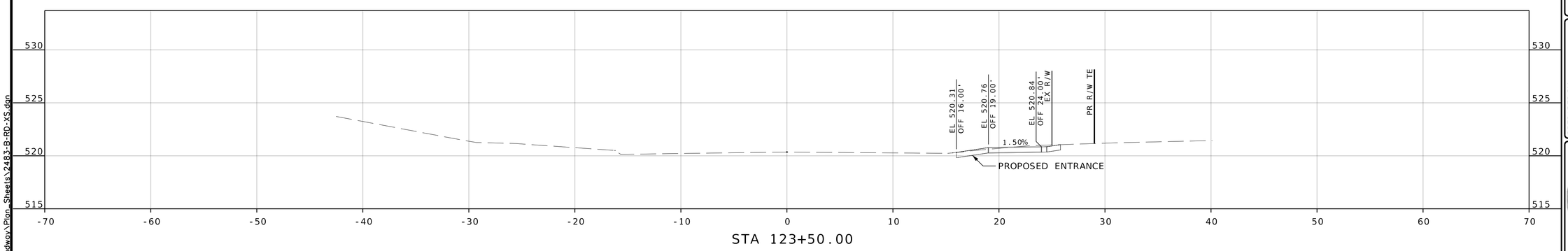
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

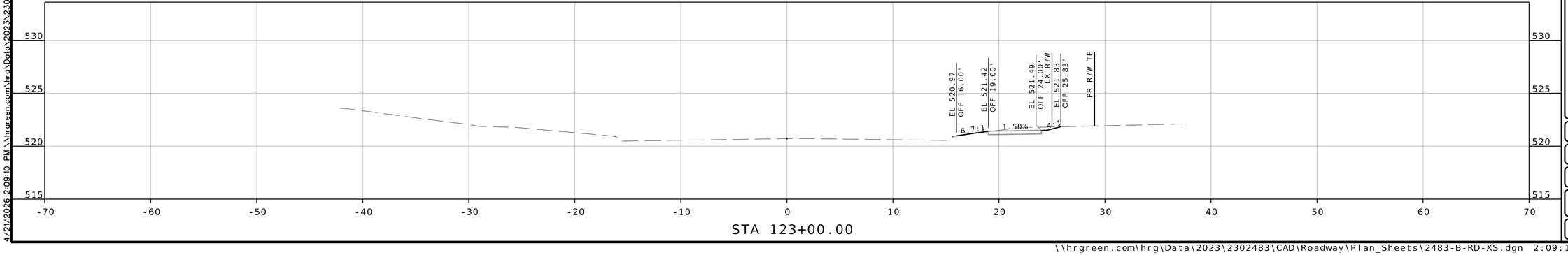
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STA 124+00.00



STA 123+50.00



STA 123+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

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MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
520 MAGNOLIA, JEFFERSON CITY, MO 65101 (573) 635-2748
HRGreen.com | ENGINEERING | SURVEYING | ARCHITECTURE

PROFESSIONAL ENGINEER LICENSE NO.

St. Ferdinand de Pleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 4 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 61 OF 97

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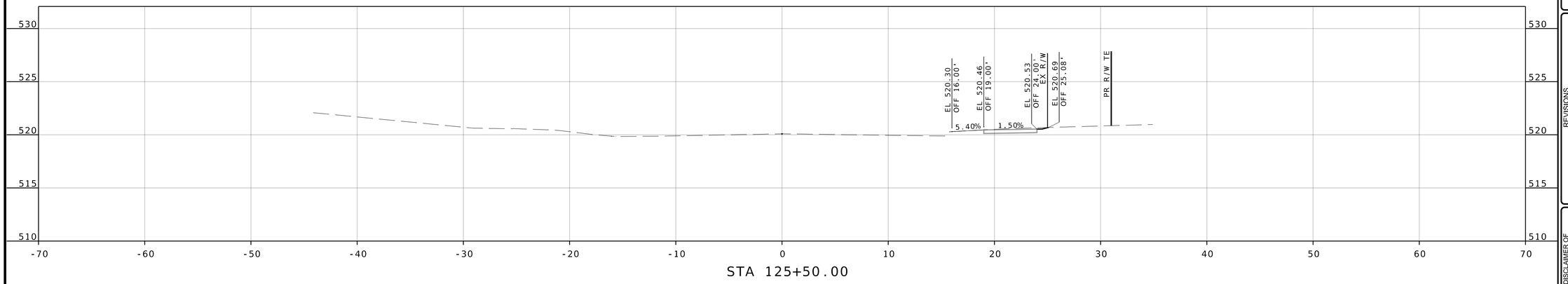
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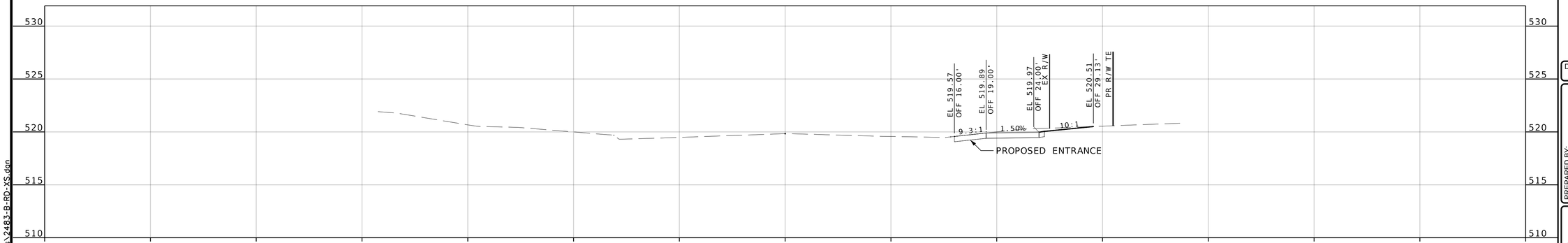
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

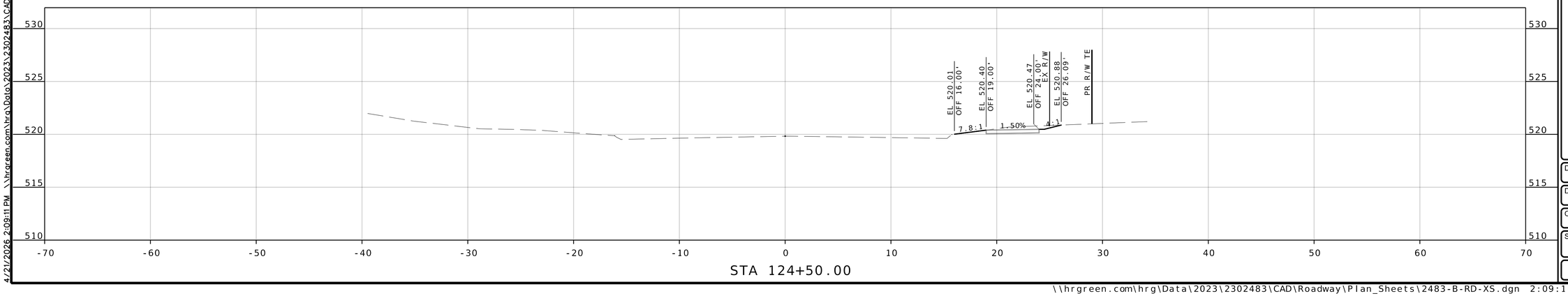
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STA 125+50.00



STA 125+00.00



STA 124+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:12 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
HRGreen®
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
(314) 432-0550 | WWW.HRGREEN.COM

PROFESSIONAL ENGINEER LICENSE NO.

Fertility de Pleurisant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 5 OF 26)

DESIGNED:
M. SCHNEIDER

DRAWN:
M. SCHNEIDER

CHECKED:
A. DAVIS

SHEET SEQUENCE:
62 OF 97

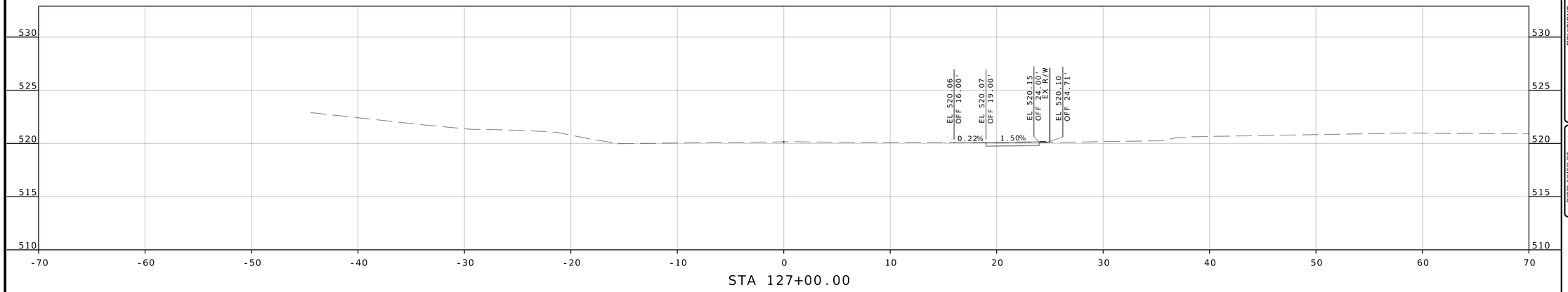
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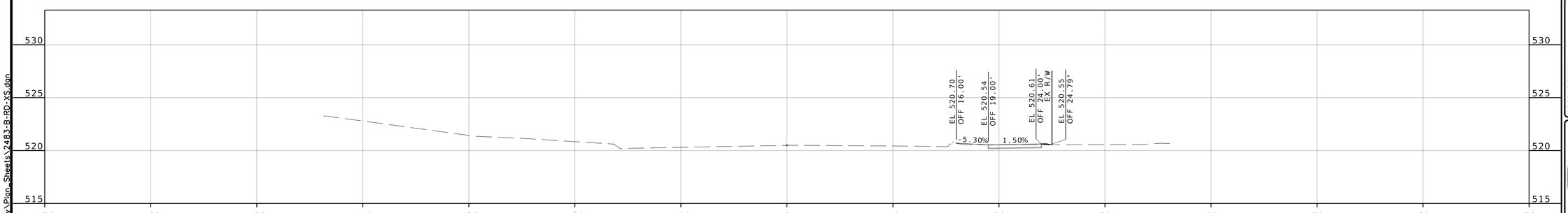
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

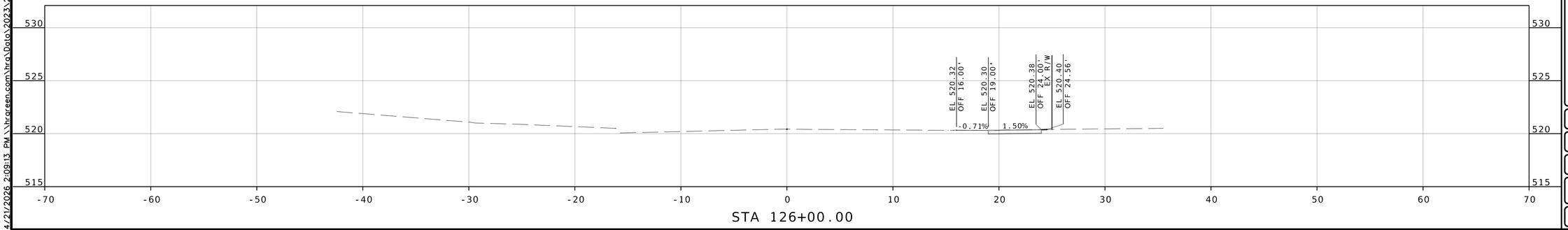
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STA 127+00.00



STA 126+50.00



STA 126+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:14 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
120 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PROFESSIONAL ENGINEER LICENSE NO.

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 6 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 63 OF 97

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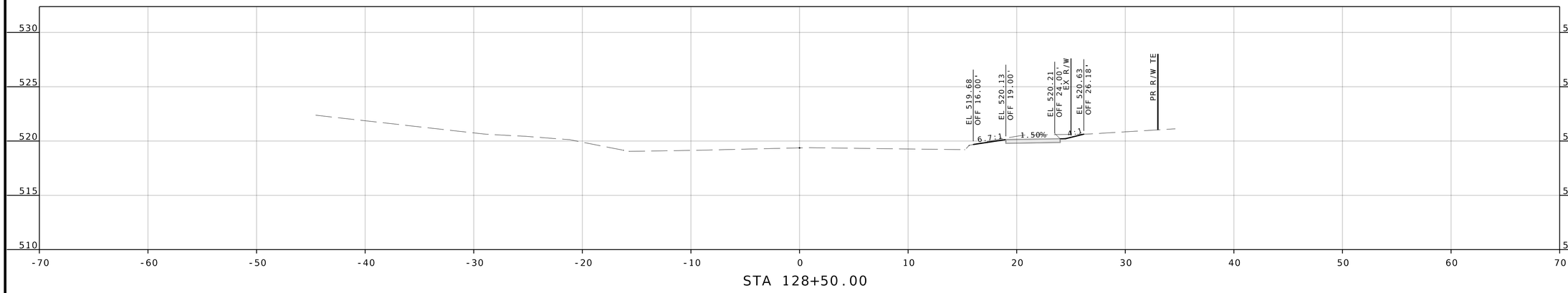
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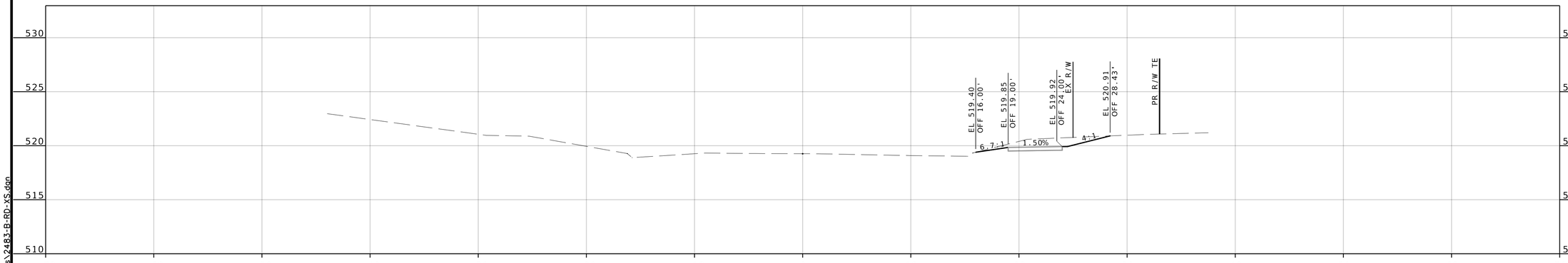
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

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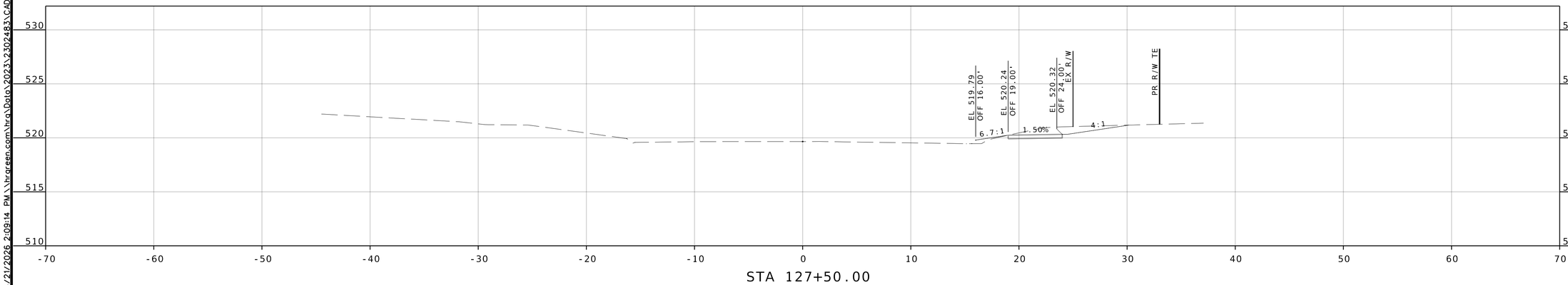
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STA 128+50.00



STA 128+00.00



STA 127+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS				
REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:17 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
HRGreen.com
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
(314) 432-0550 FAX (314) 432-0551
PROFESSIONAL ENGINEER LICENSE NO.

Ste. Geneviève
Ste. Ferdinand de Pleurissant
1796
City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 7 OF 26)

DESIGNED:
M. SCHNEIDER

DRAWN:
M. SCHNEIDER

CHECKED:
A. DAVIS

SHEET SEQUENCE:
64 OF 97

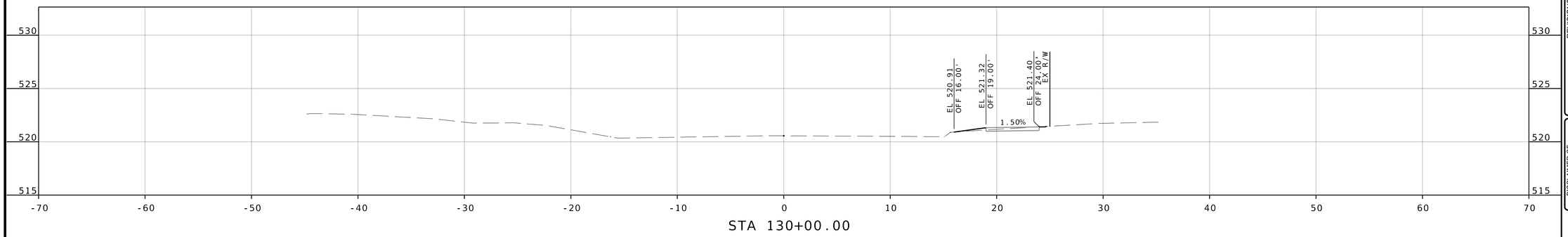
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NOTE:

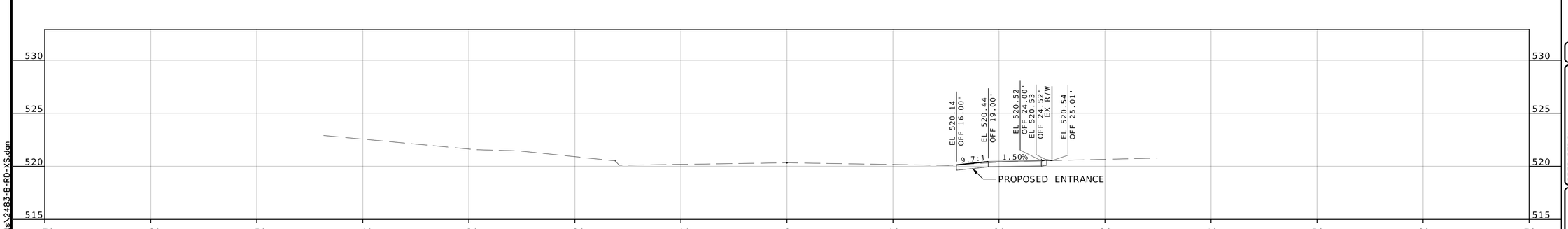
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

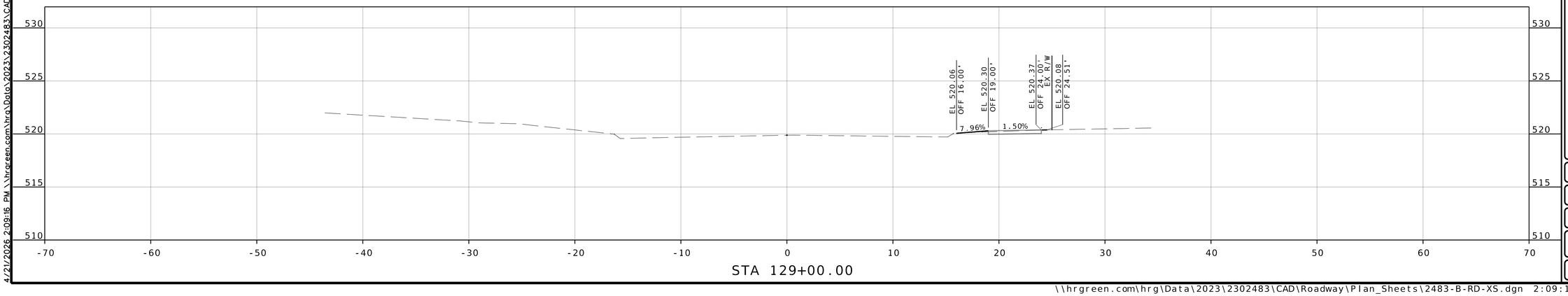
0 5 10 15



STA 130+00.00



STA 129+50.00



STA 129+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S. Davis
04/21/2026 4:14:19 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
HRGreen.com
501 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
(314) 432-0550 FAX: (314) 432-0551

PROFESSIONAL ENGINEER LICENSE NO.

Ste. Geneviève
Ste. Ferdinand de Fleurissant
1796
City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 8 OF 26)

DESIGNED:
M. SCHNEIDER

DRAWN:
M. SCHNEIDER

CHECKED:
A. DAVIS

SHEET SEQUENCE:
65 OF 97

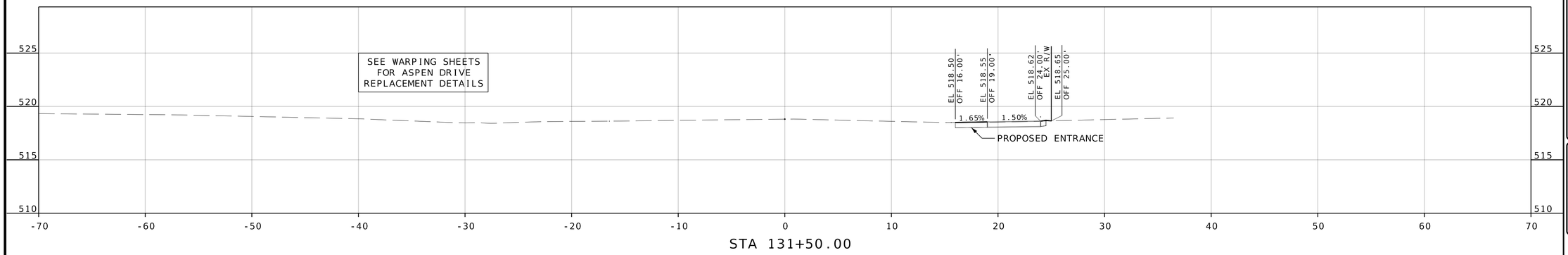
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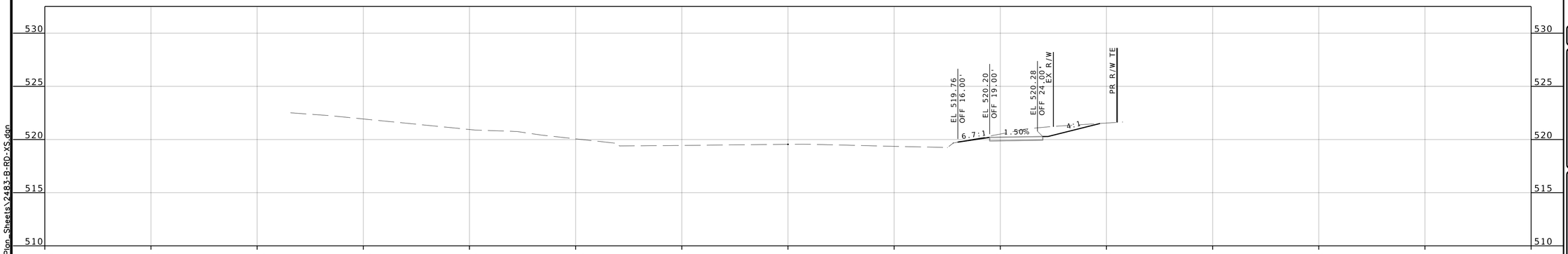
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

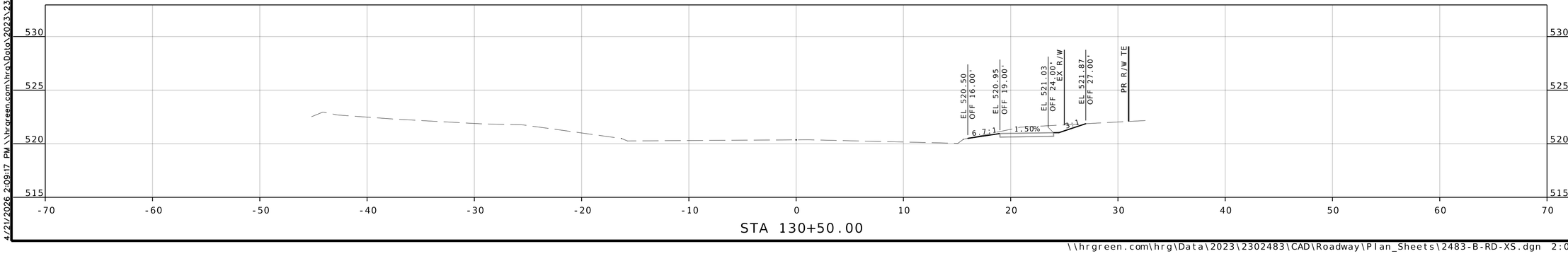
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STA 131+50.00



STA 131+00.00



STA 130+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to the work, and I hereby disclaim any responsibility for all other Design Plans, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:22 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
120 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314-432-0550 WWW.HRGREEN.COM

PROFESSIONAL ENGINEER LICENSE NO.

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 9 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 66 OF 97

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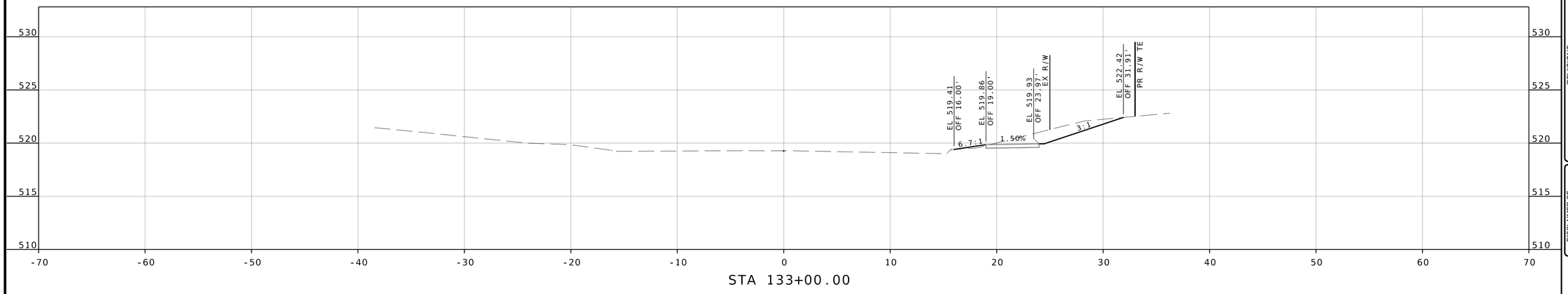
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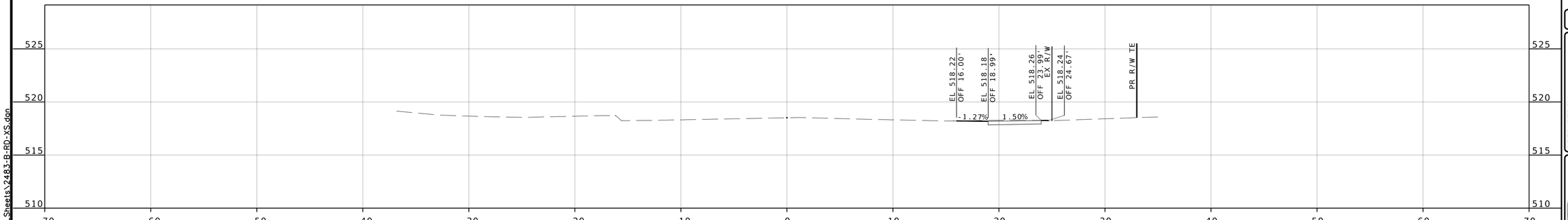
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

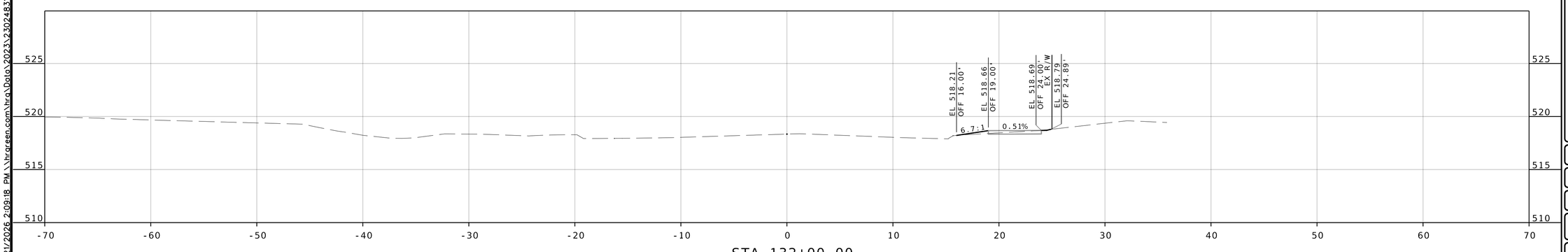
0 5 10 15



STA 133+00.00



STA 132+50.00



STA 132+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to the shed, and I hereby disclaim any responsibility for all other Documents, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:24 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
130 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.579.0900 FAX: 314.579.0909

PROFESSIONAL ENGINEER LICENSE NO.

St. Ferdinand de Florissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 10 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 67 OF 97

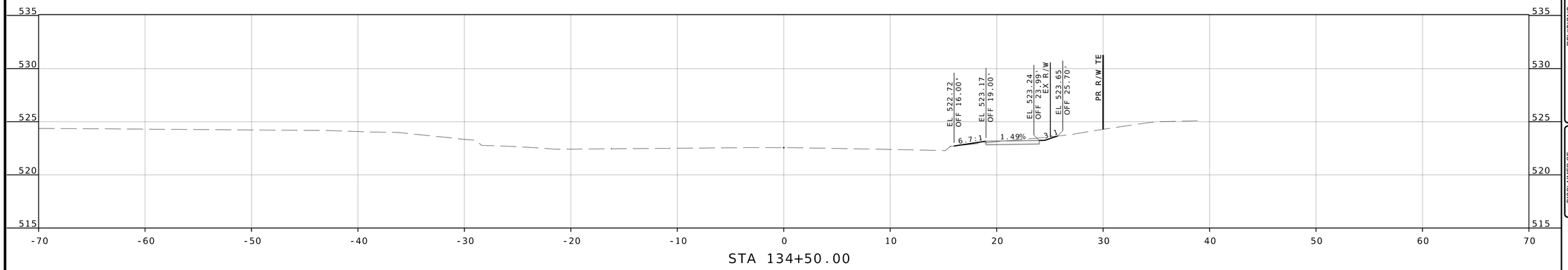
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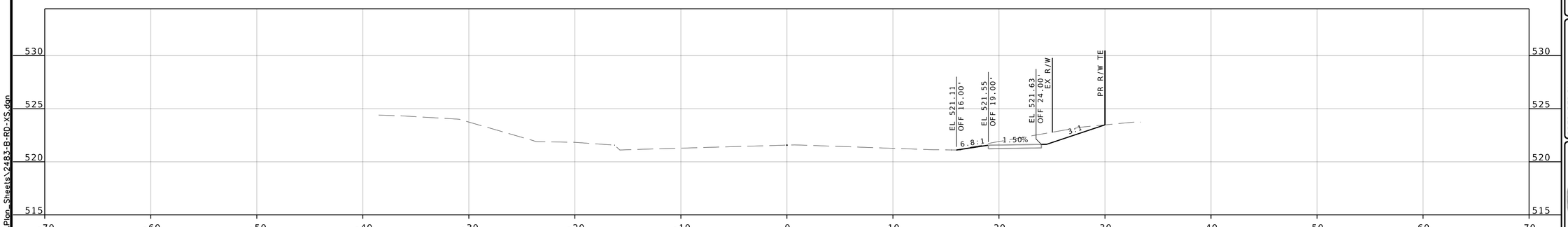
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

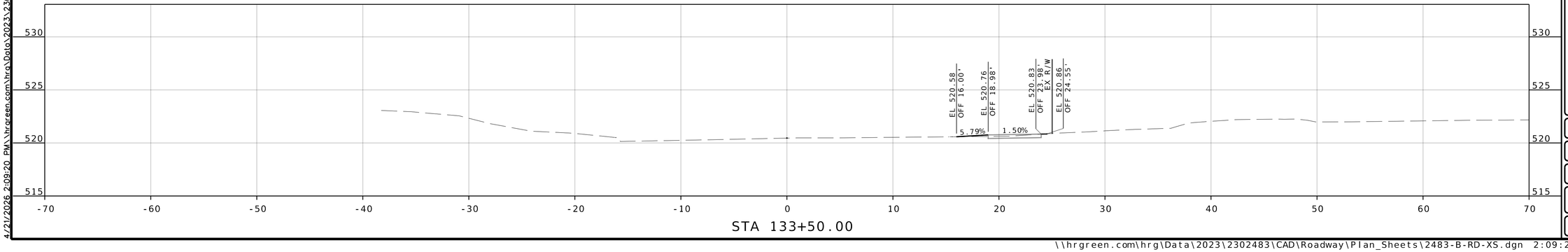
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STA 134+50.00



STA 134+00.00



STA 133+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I have prepared the documents intended to be authorized by my seal are limited to the work, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:26 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: (314) 432-0550 FAX: (314) 432-0551

PROFESSIONAL ENGINEER LICENSE NO.

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 11 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 68 OF 97

4/21/2026 2:09:20 PM \\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-XS.dgn

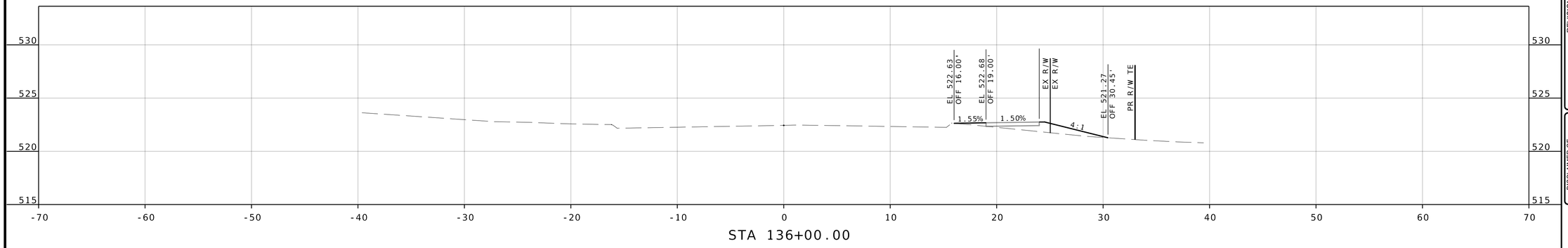
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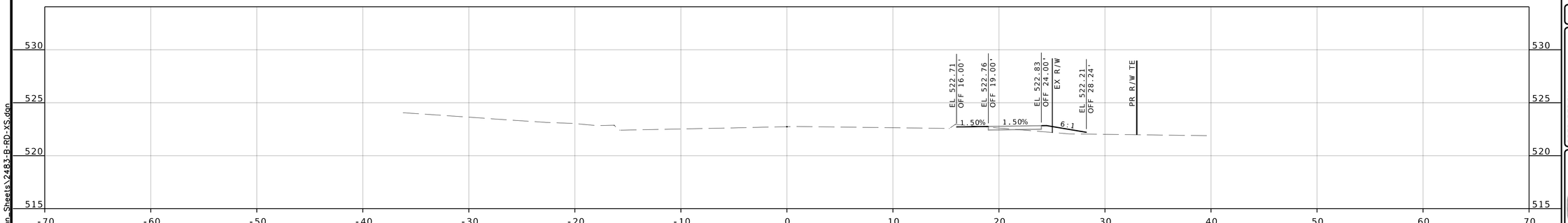
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

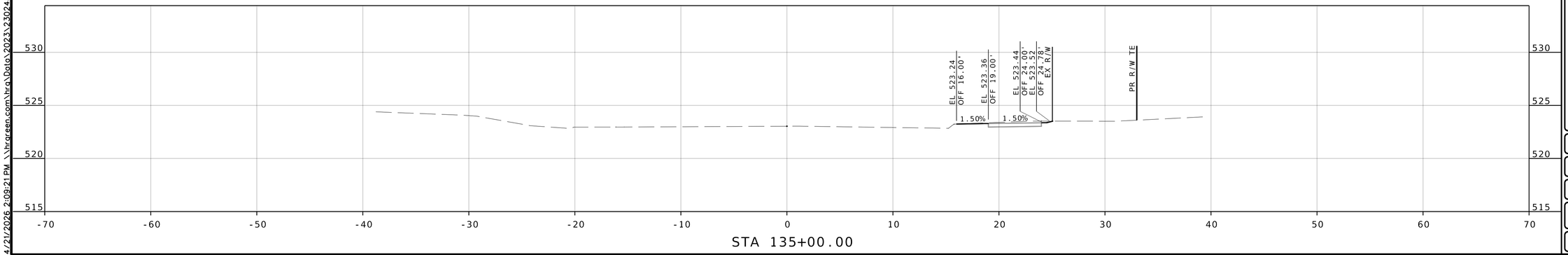
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STA 136+00.00



STA 135+50.00



STA 135+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to the work, and I hereby disclaim any responsibility for all other Documents, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:29 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY: HRGreen
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.579.0900 FAX: 314.579.0909

PROFESSIONAL ENGINEER LICENSE NO.

St. Ferdinand de Pleurissant 1786 St. Louis City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 12 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 69 OF 97

4/21/2026 2:09:21 PM \\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-XS.dgn

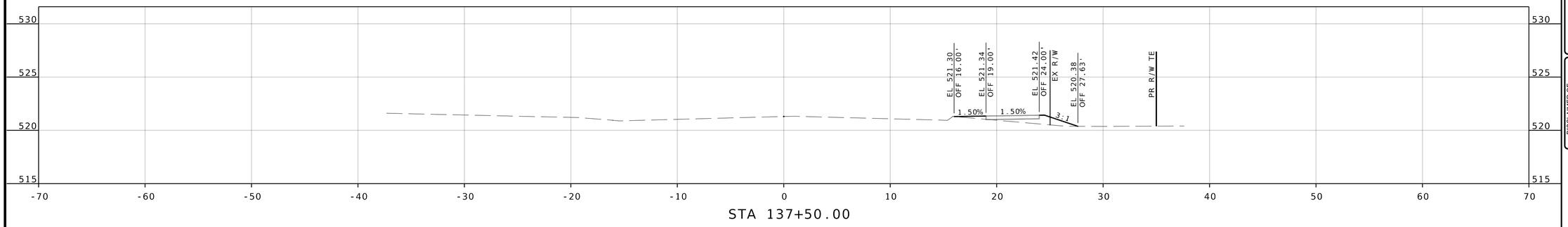
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NOTE:

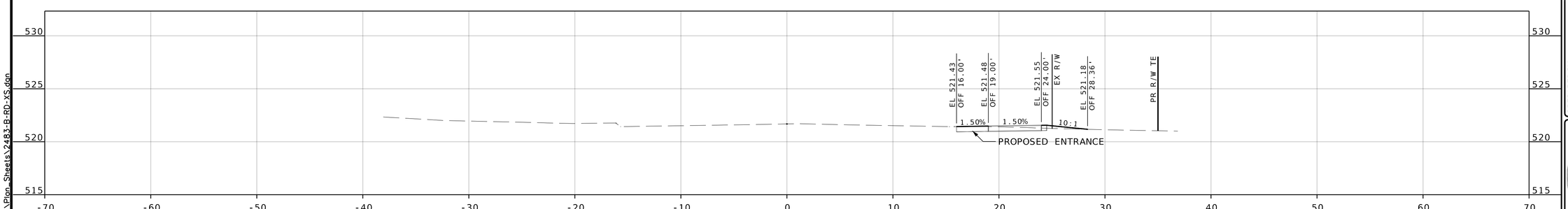
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

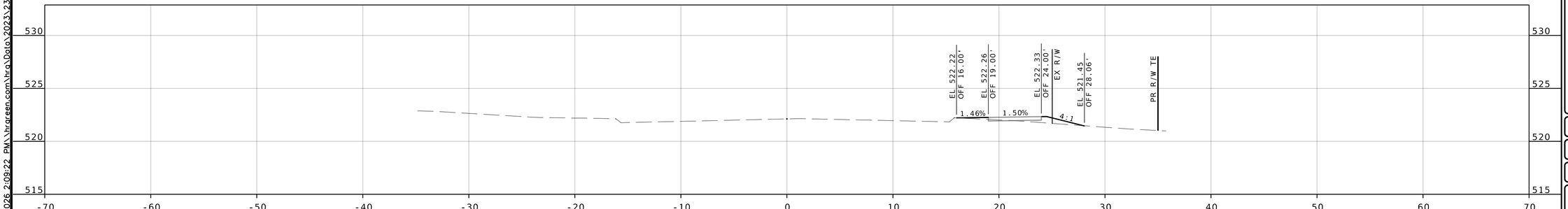
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STA 137+50.00



STA 137+00.00



STA 136+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I have reviewed the documents intended to be authorized by my seal are timely to the work, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:31 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
101 MANVILLE LEE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314-579-0900 FAX: 314-579-0909

PROFESSIONAL ENGINEER
LICENSE NO.

St. Ferdinand de Pleurisant 1796 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 13 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 70 OF 97

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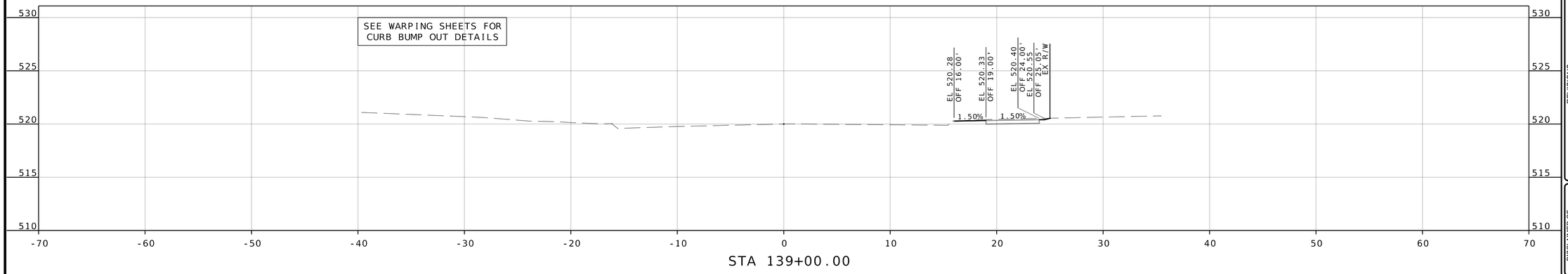
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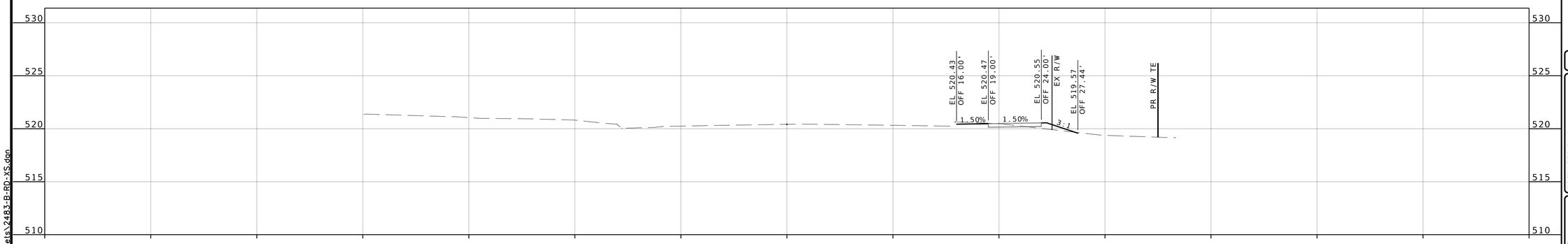
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

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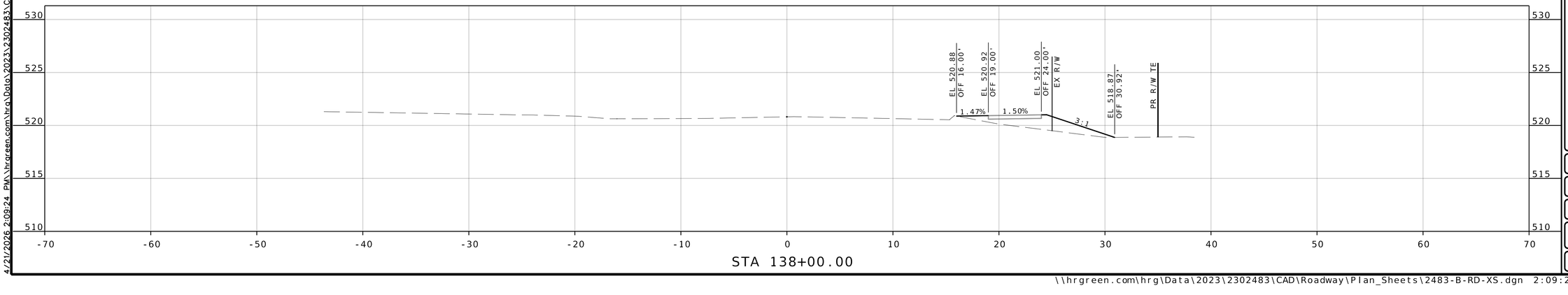
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STA 139+00.00



STA 138+50.00



STA 138+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I have exercised responsible charge over the documents intended to be authorized by my seal are limited to the items sealed and I hereby disclaim any responsibility for all other Documents, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S. Davis
04/21/2026 4:14:34 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
HRGREEN.COM, HRGREEN.PRO, 314.579.0900

PROFESSIONAL ENGINEER LICENSE NO.

St. Ferdinand de Pleurisaunt 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 14 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 71 OF 97

4/21/2026 2:09:24 PM \\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-XS.dgn

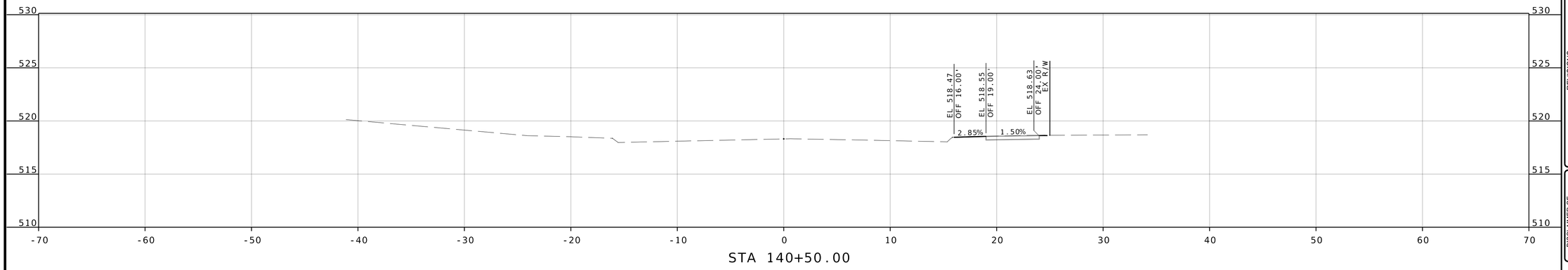
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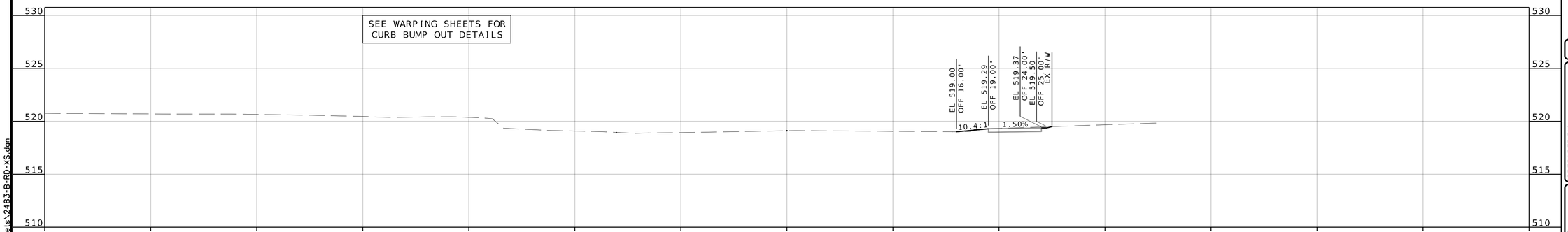
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

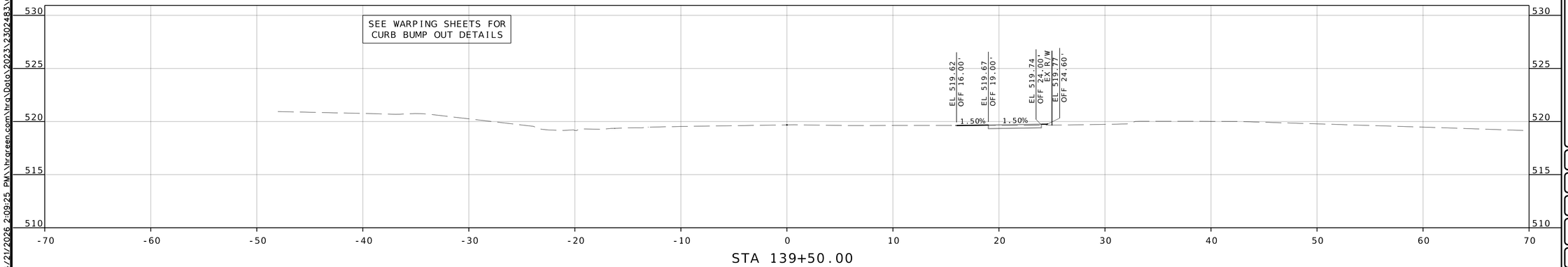
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STA 140+50.00



STA 140+00.00



STA 139+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:36 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
HRGreen®
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
(314) 432-0550 | WWW.HRGREEN.COM

PROFESSIONAL ENGINEER LICENSE NO.

Ft. Ferdinand de Plaurisant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 15 OF 26)

DESIGNED:
M. SCHNEIDER

DRAWN:
M. SCHNEIDER

CHECKED:
A. DAVIS

SHEET SEQUENCE:
72 OF 97

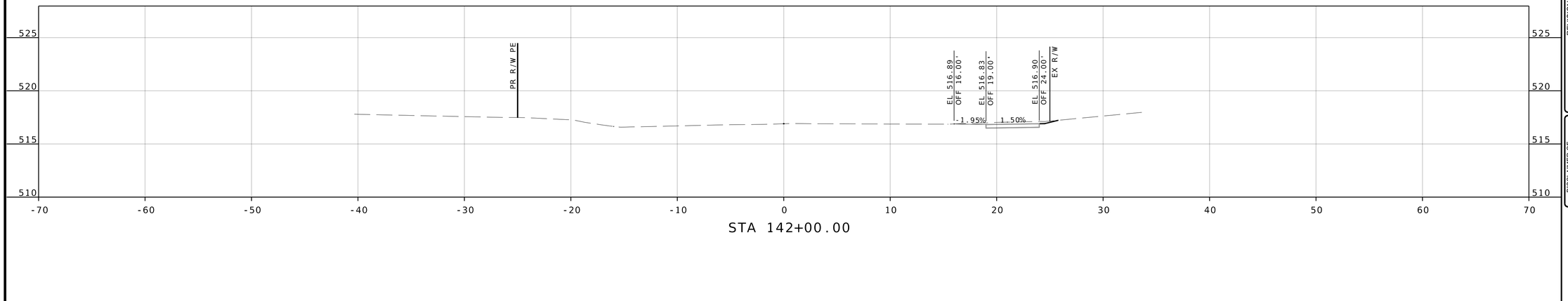
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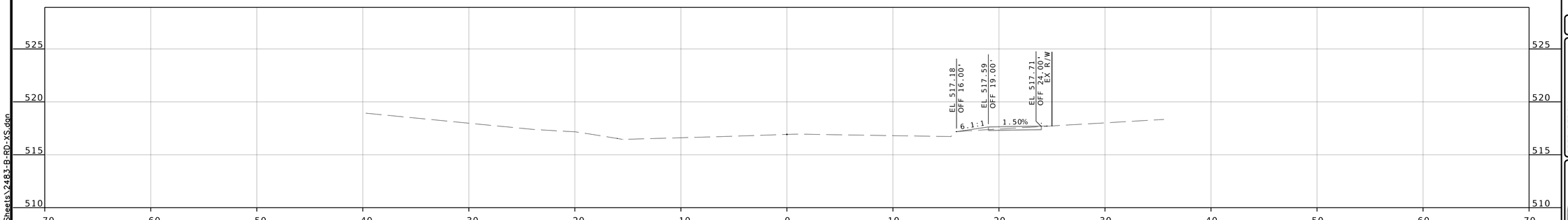
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

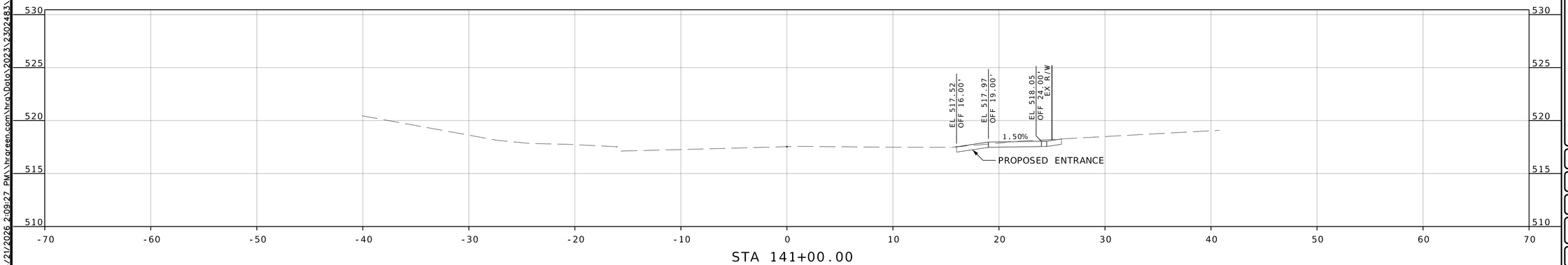
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STA 142+00.00



STA 141+50.00



STA 141+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS				
REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:39 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
HRGreen.com
PROFESSIONAL ENGINEER
LICENSE NO.

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 16 OF 26)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 73 OF 97

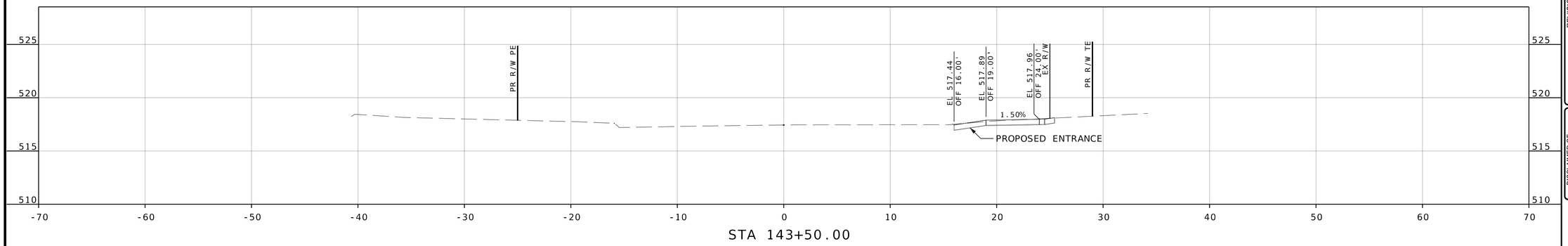
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NOTE:

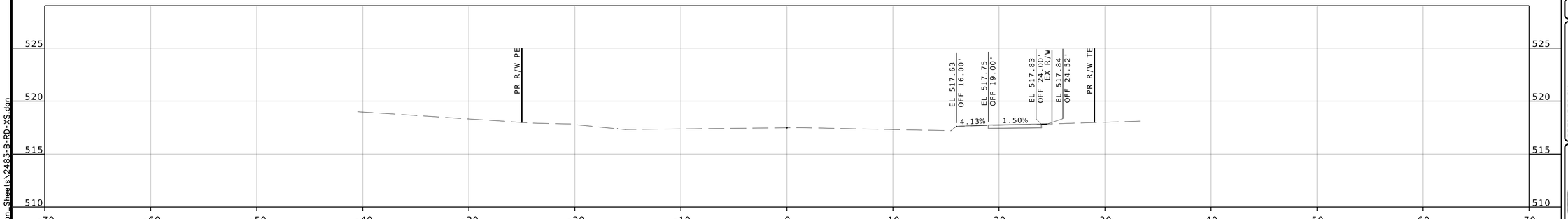
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

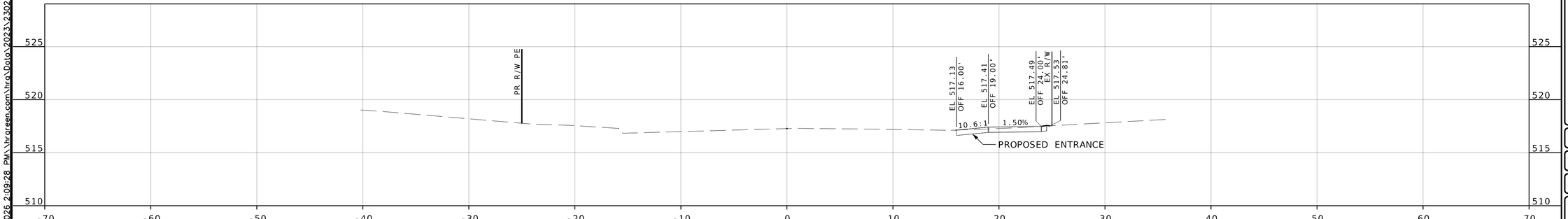
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STA 143+50.00



STA 143+00.00



STA 142+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to the work, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:42 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
320 MARKVIE EXCHANGE, STE. 100, ST. LOUIS, MO 63141
PHONE: (314) 432-0550 FAX: (314) 432-0551

PROFESSIONAL ENGINEER LICENSE NO.

St. Ferdinand de Pleurisaunt 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 17 OF 26)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS

SHEET SEQUENCE: 74 OF 97

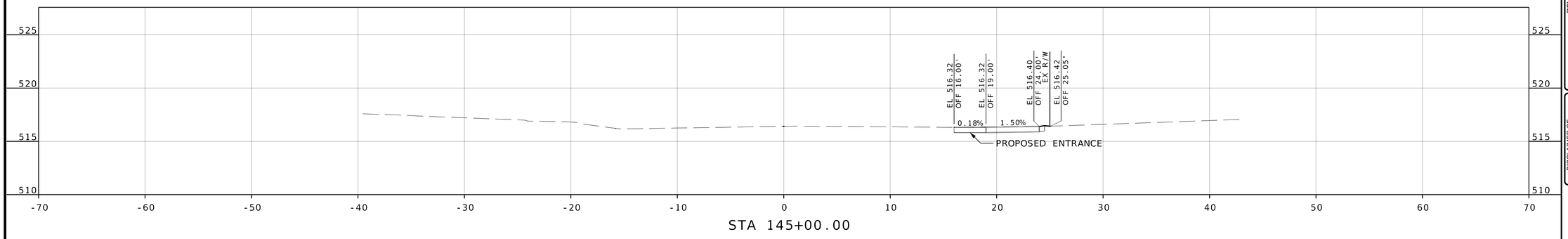
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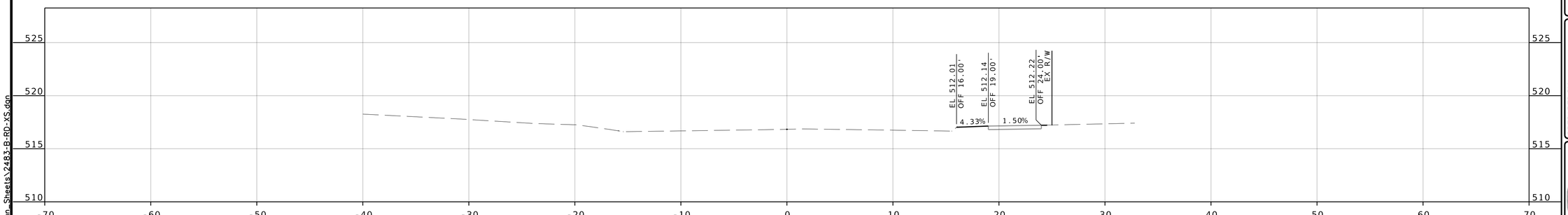
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

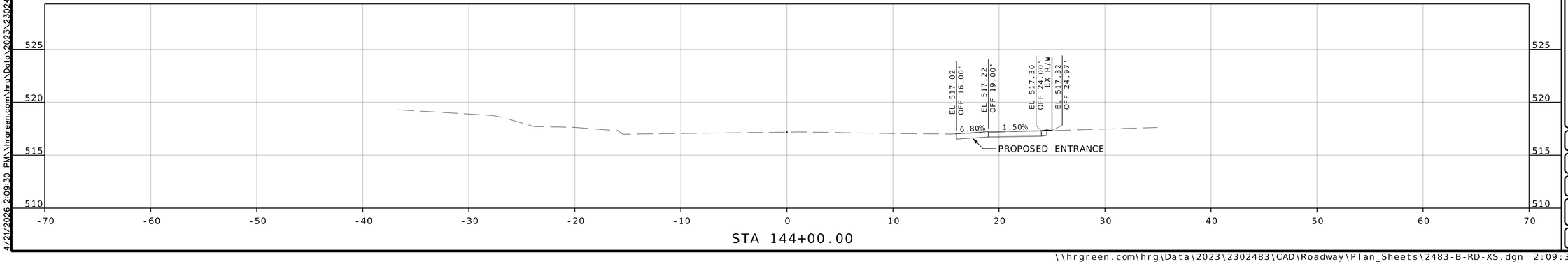
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STA 145+00.00



STA 144+50.00



STA 144+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to the work, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:45 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: (314) 432-0550 FAX: (314) 432-0551

PROFESSIONAL ENGINEER
LICENSE NO.

St. Ferdinand de Pleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 18 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 75 OF 97

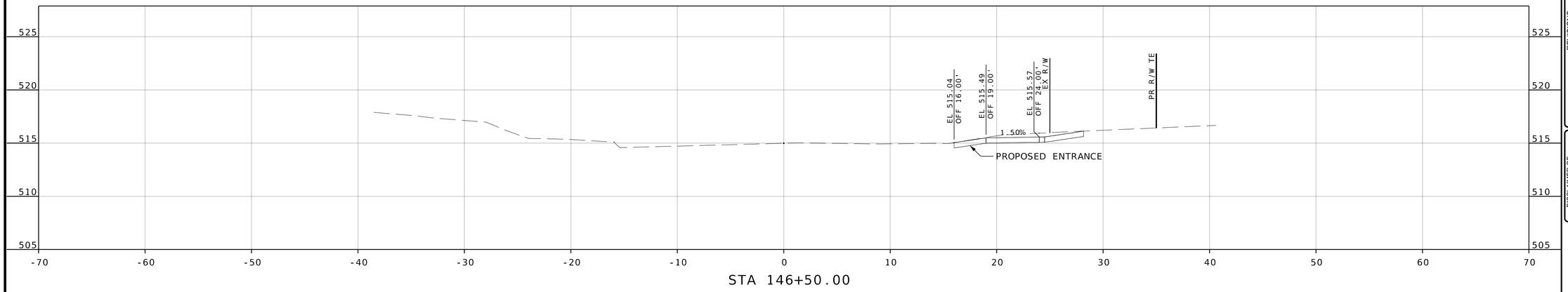
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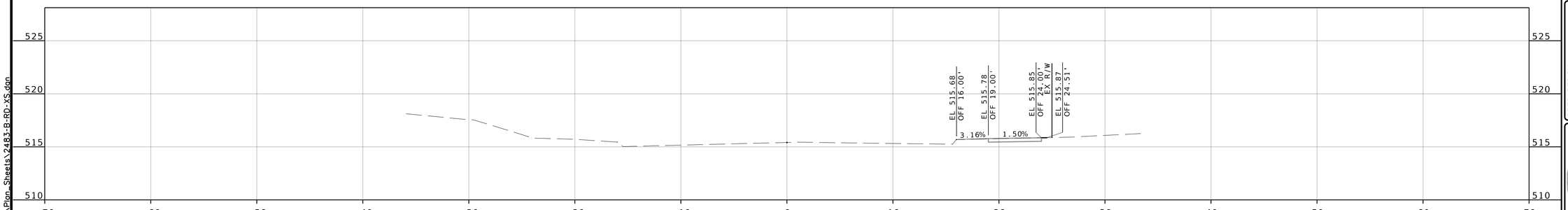
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

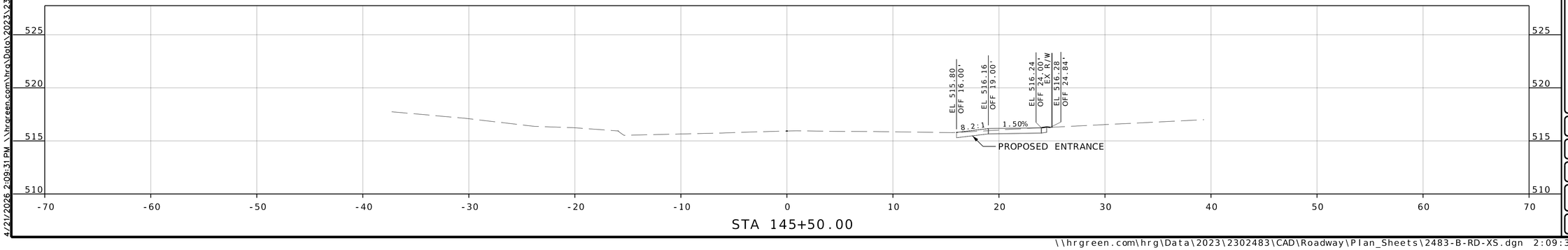
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STA 146+50.00



STA 146+00.00



STA 145+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I have prepared the documents intended to be authorized by my seal are timely to be used, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:48 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
101 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.432.0550 WWW.HRGREEN.COM

PROFESSIONAL ENGINEER LICENSE NO.

St. Ferdinand de Fleurissant 1796 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 19 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 76 OF 97

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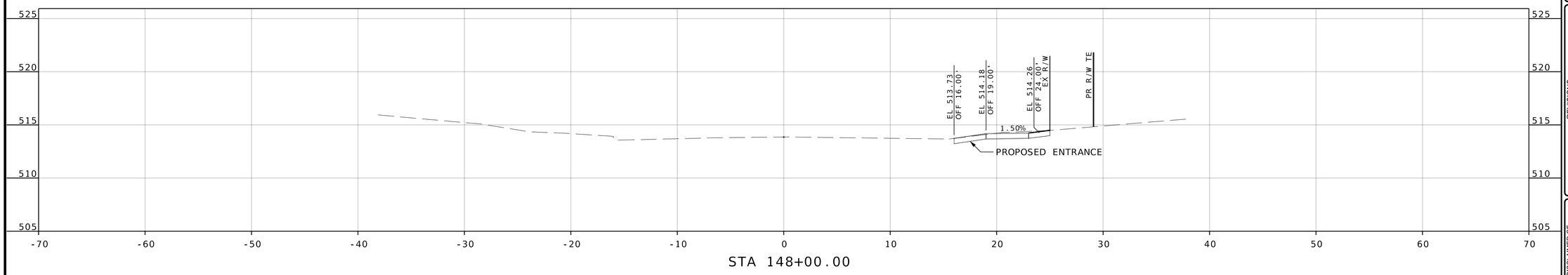
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NOTE:

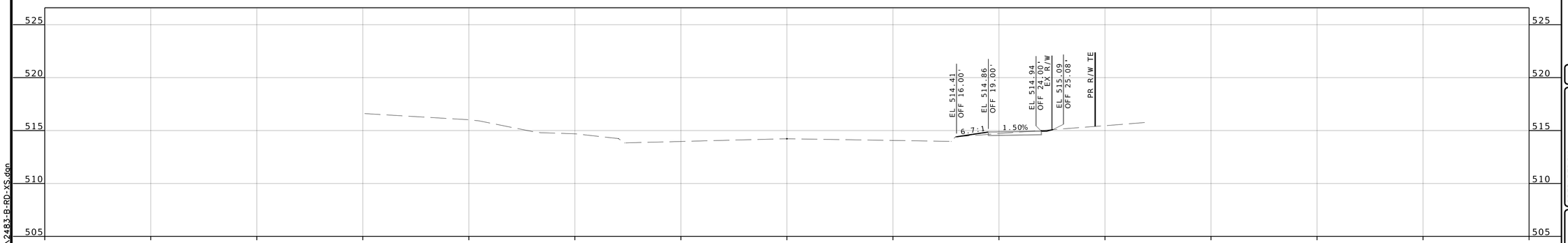
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

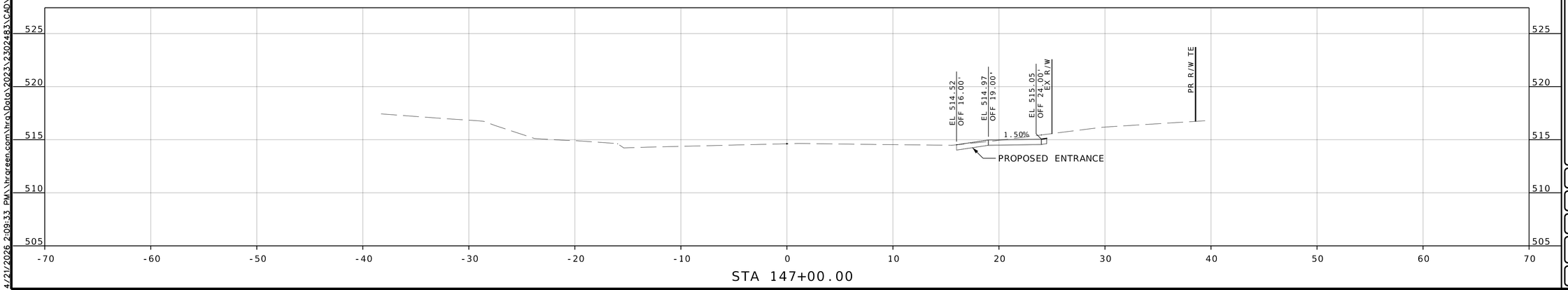
0 5 10 15



STA 148+00.00



STA 147+50.00



STA 147+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to the work, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:51 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen®
HRGREEN.COM
550 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.579.0900 FAX: 314.579.0905

PROFESSIONAL ENGINEER LICENSE NO.

1786 Est. Fleurissant de Florissant City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 20 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 77 OF 97

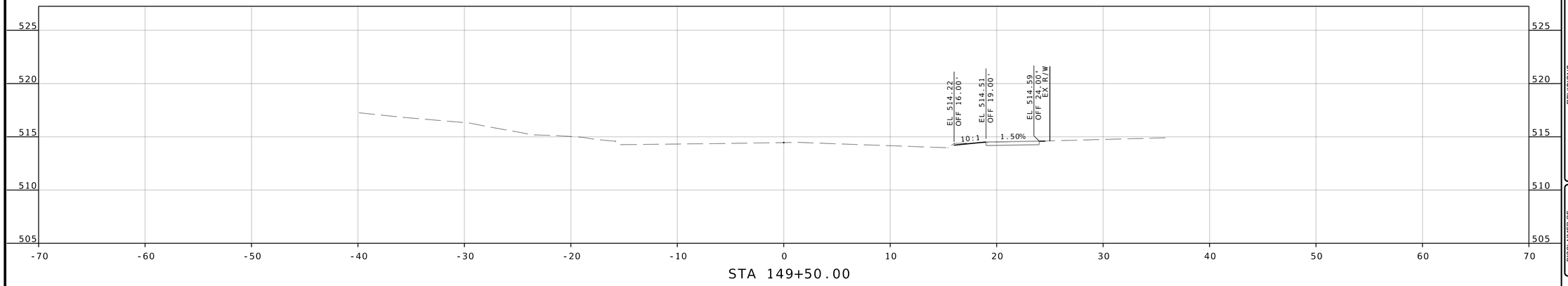
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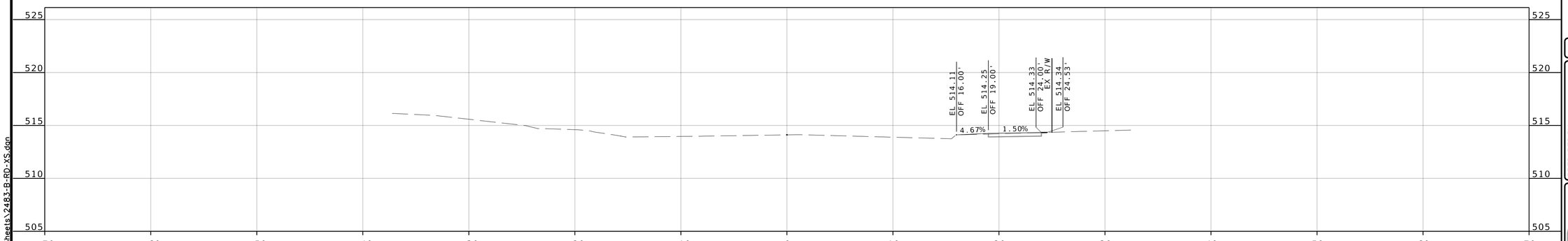
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

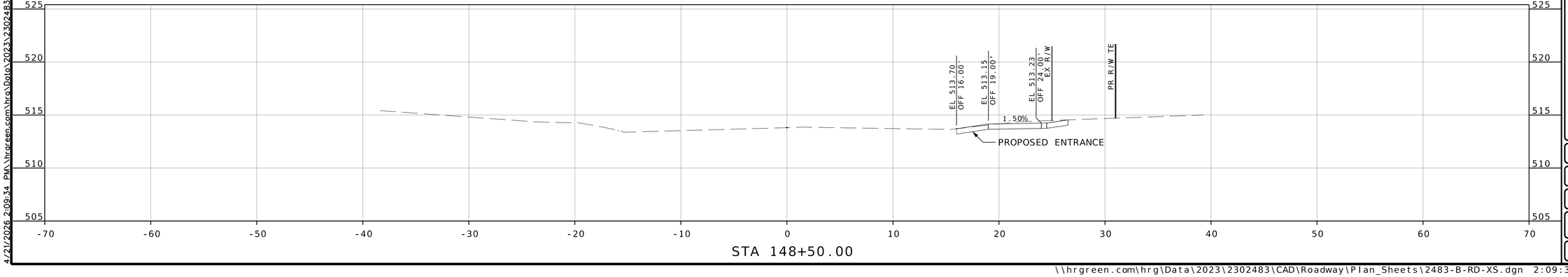
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STA 149+50.00



STA 149+00.00



STA 148+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to the sheet, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:54 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: (314) 432-0550 FAX: (314) 432-0551

PROFESSIONAL ENGINEER LICENSE NO.

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 21 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 78 OF 97

4/21/2026 2:09:34 PM \\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-XS.dgn

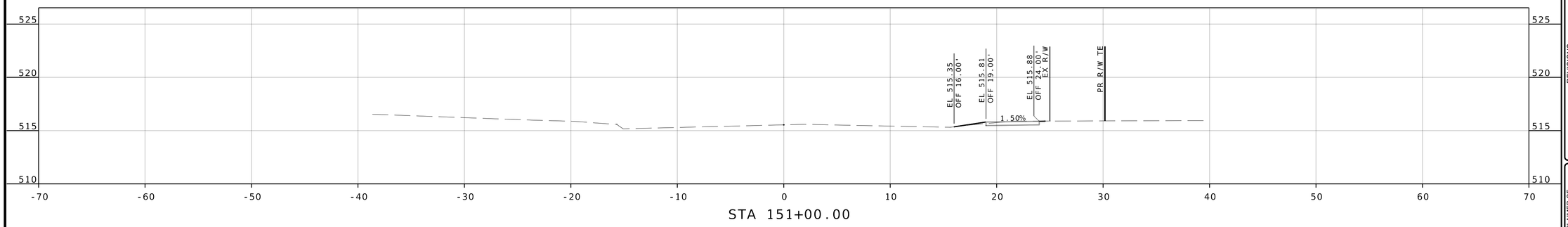
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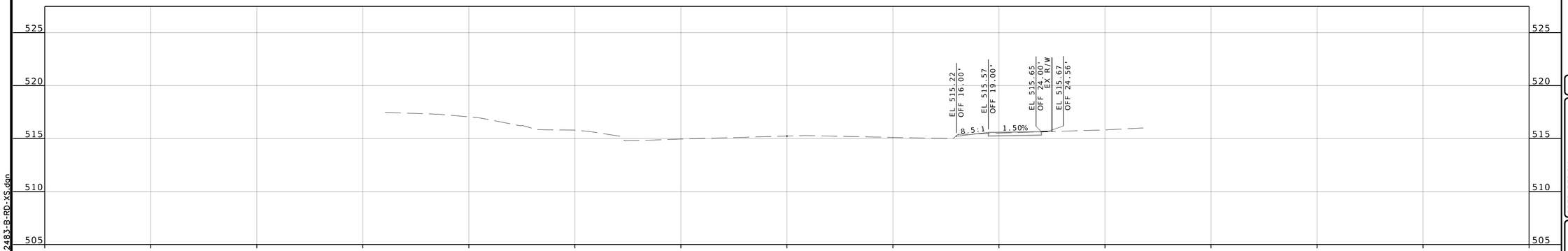
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

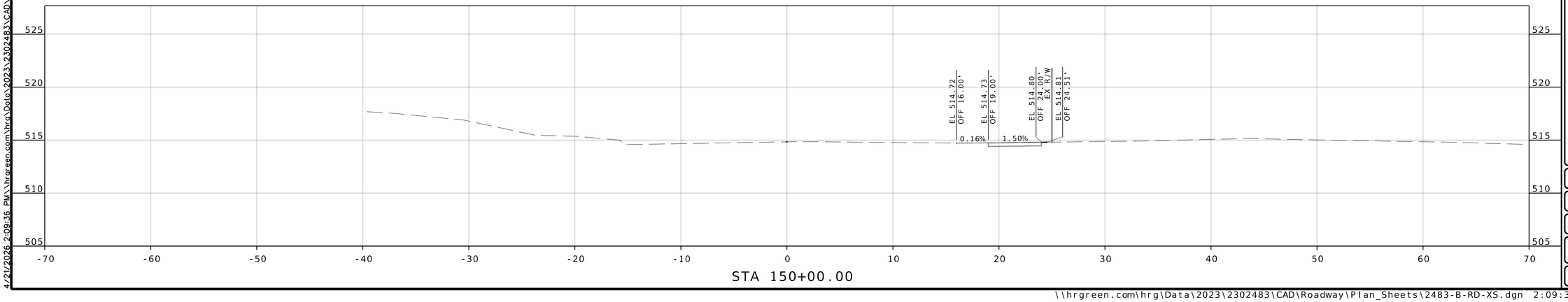
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STA 151+00.00



STA 150+50.00



STA 150+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:57 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
1001 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: (314) 579-0400 WWW.HRGREEN.COM

PROFESSIONAL ENGINEER LICENSE NO.

St. Ferdinand de Pleurissant 1796 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 22 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 79 OF 97

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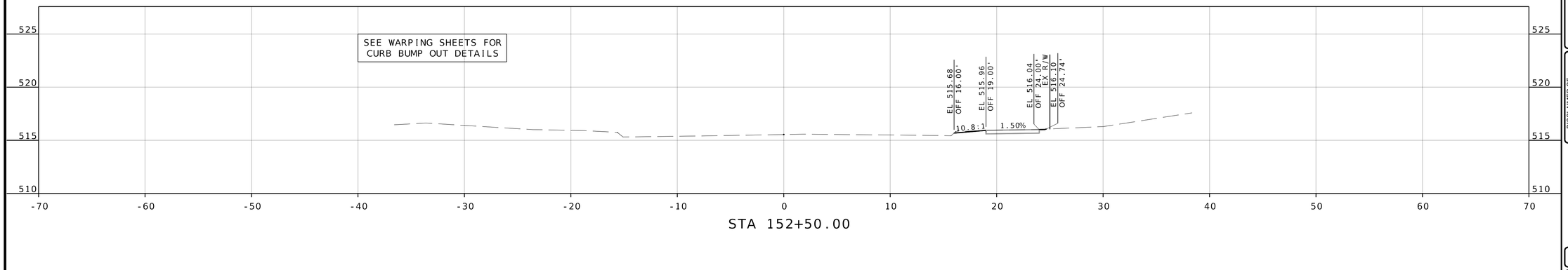
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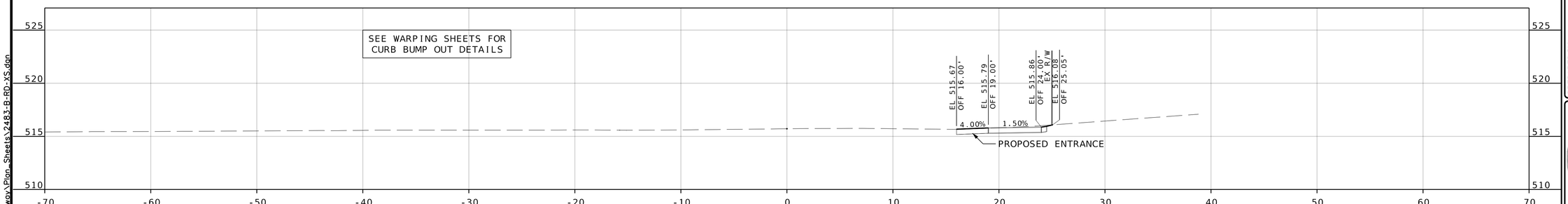
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

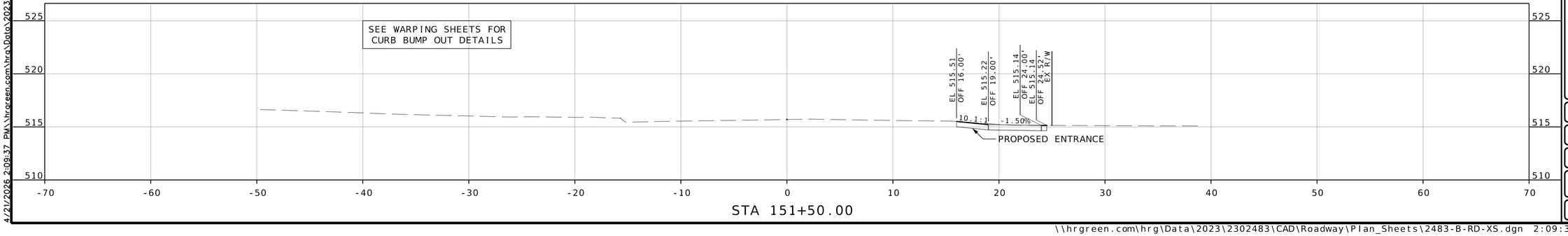
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STA 152+50.00



STA 152+00.00



STA 151+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I have prepared the documents intended to be authorized by my seal are limited to the work, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:59 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
320 MARKET ST, CENTRE ONE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314-918-1100 WWW.HRGREEN.COM

PROFESSIONAL ENGINEER
LICENSE NO.

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 23 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 80 OF 97

4/21/2026 2:09:37 PM \\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-XS.dgn

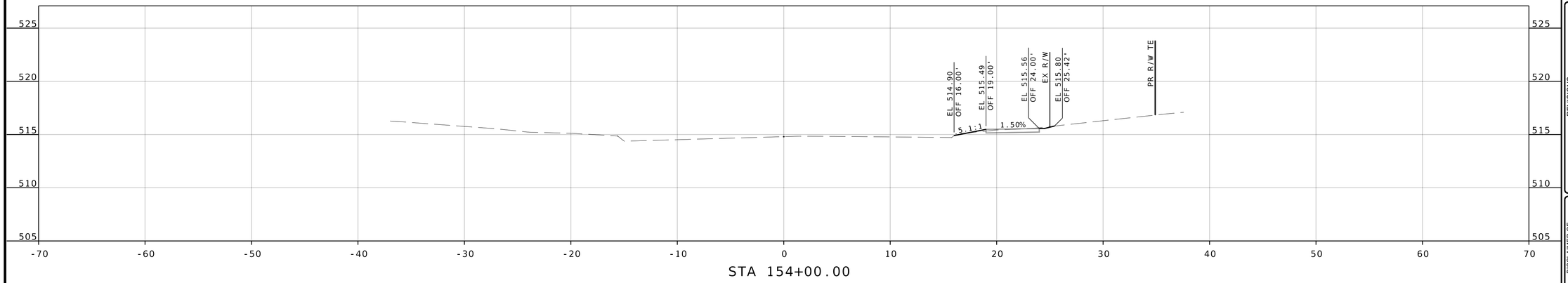
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NOTE:

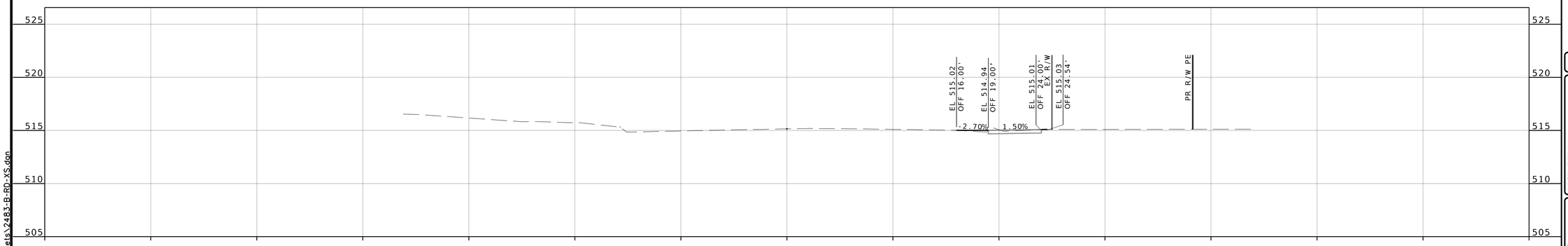
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

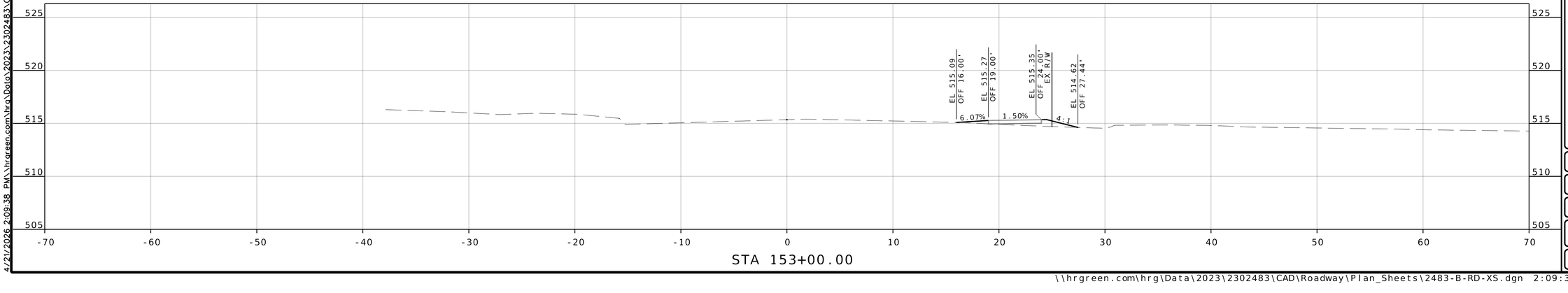
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STA 154+00.00



STA 153+50.00



STA 153+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to the plans, and I hereby disclaim any responsibility for all other Contract Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:15:01 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: (314) 579-0400 WWW.HRGREEN.COM

PROFESSIONAL ENGINEER LICENSE NO.

St. Ferdinand de Pleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 24 OF 26)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 81 OF 97

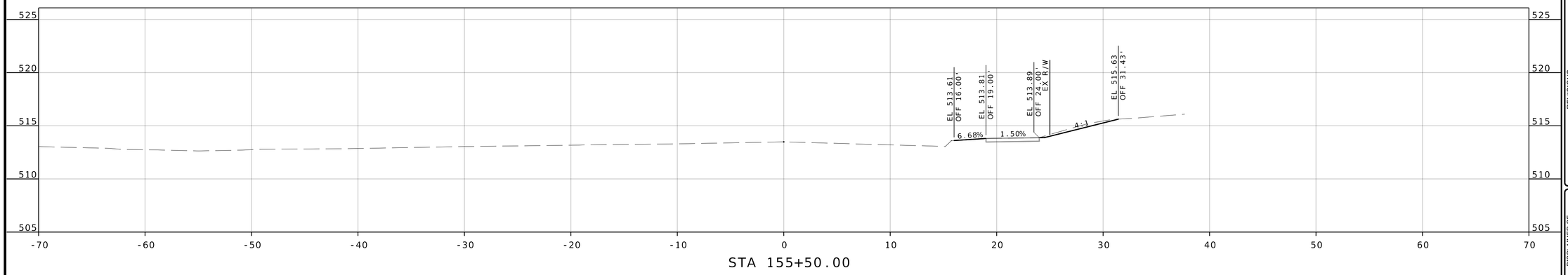
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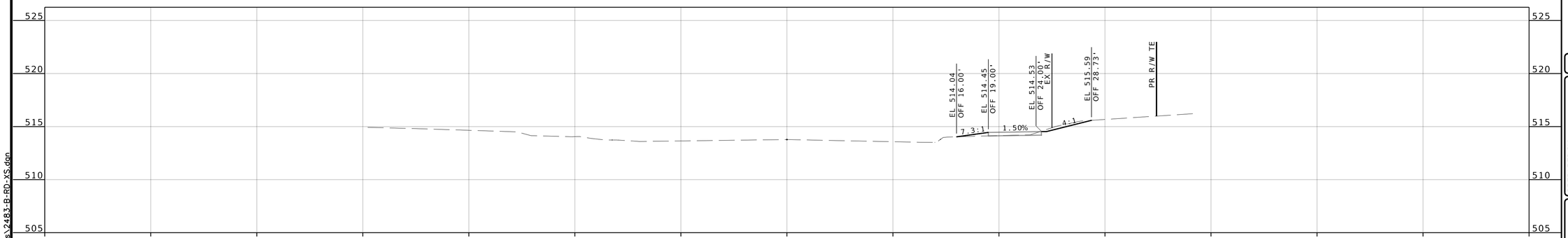
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

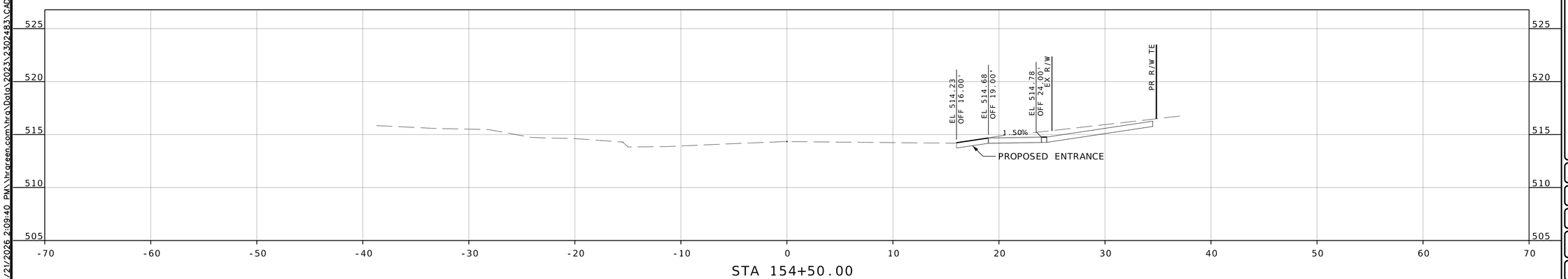
0 5 10 15



STA 155+50.00



STA 155+00.00



STA 154+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I have prepared the documents intended to be authorized by my seal are timely to be used, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:15:04 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
HRGreen®
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
(314) 432-0550 | WWW.HRGREEN.COM

PROFESSIONAL ENGINEER LICENSE NO.

Est. 1786 St. Ferdinand de Pleurissant City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 25 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 82 OF 97

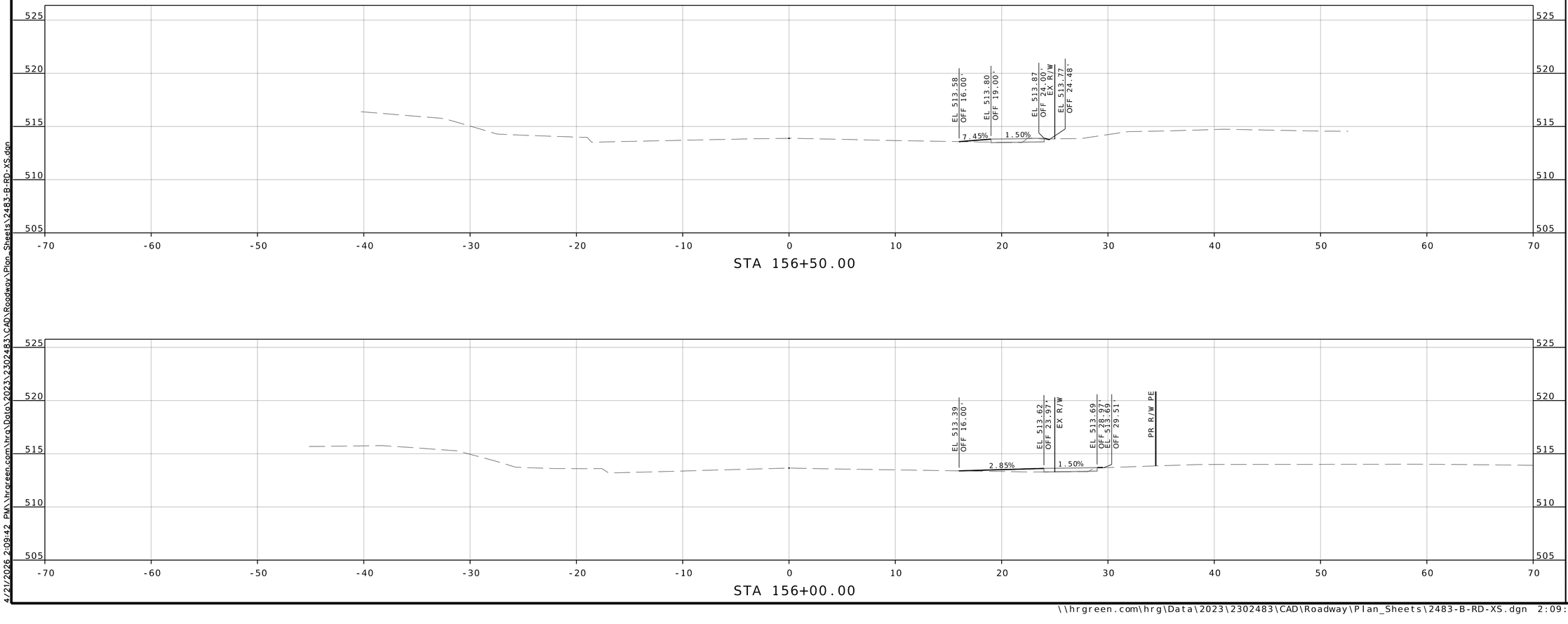
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NOTE:

PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

0 5 10 15



COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I have prepared and sealed the documents intended to be authorized by my seal are limited to the work, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:15:07 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
520 MAGNOLIA, LEE'S SUMMIT, MO 64063 816.300.1100
1200 BROADWAY, SAINT LOUIS, MO 63102 314.932.1000

PROFESSIONAL ENGINEER LICENSE NO.

St. Ferdinand de Fleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 26 OF 26)

DESIGNED: M. SCHNEIDER

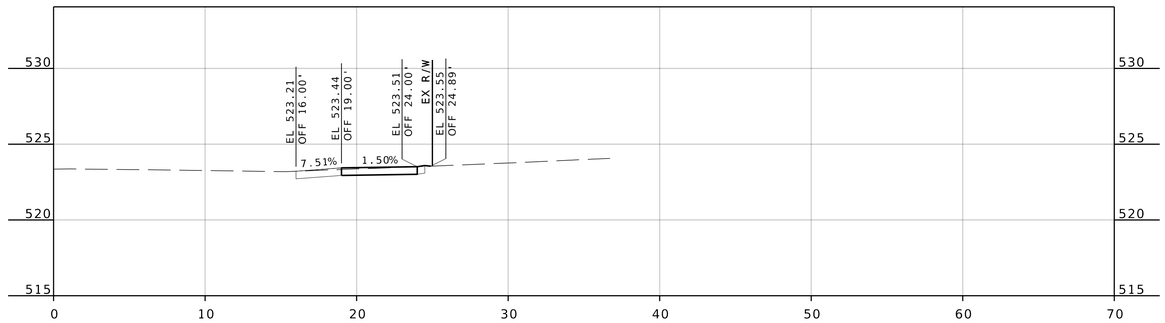
DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

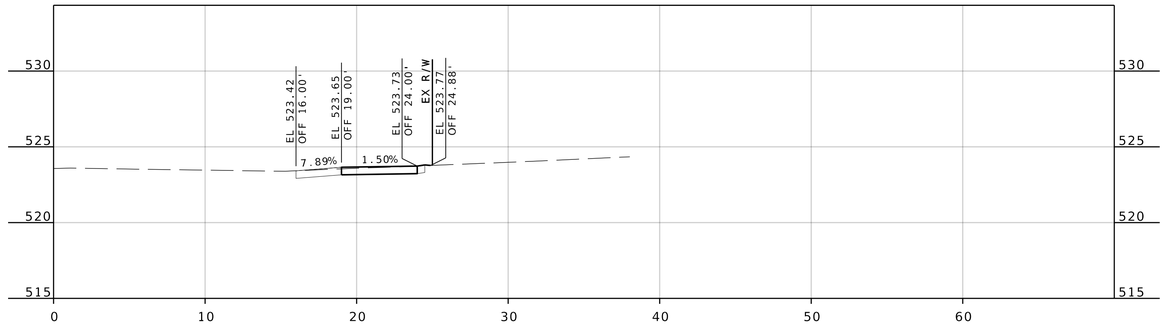
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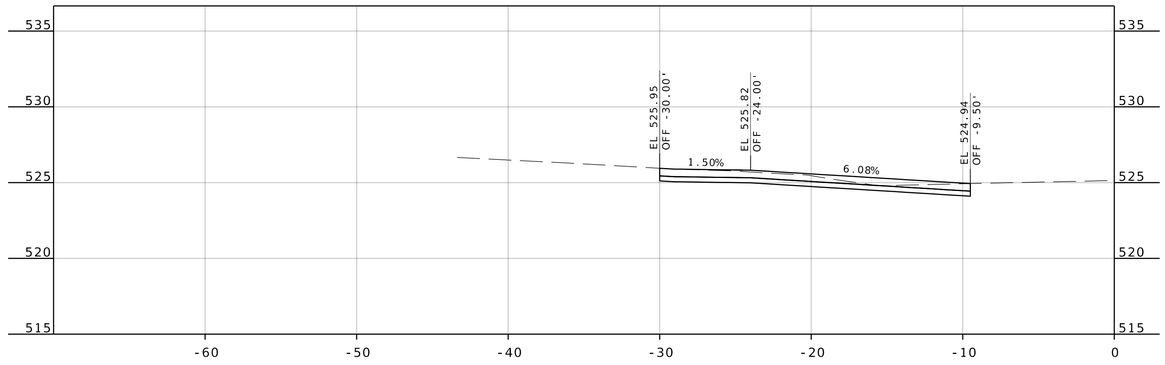
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STA 119+76.85
1340 MULLANPHY ROAD



STA 119+58.17
1360 MULLANPHY ROAD



STA 118+71.40
1395 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I have exercised and fully authorized the documents intended to be issued by me, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S. Davis
04/21/2026 4:15:10 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
120 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.579.0900 FAX: 314.579.0909
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Pleurisant 1786 Est. City of Florissant

MULLANPHY ROAD
RESURFACING

DRIVEWAY
CROSS SECTIONS
(SHEET 1 OF 14)

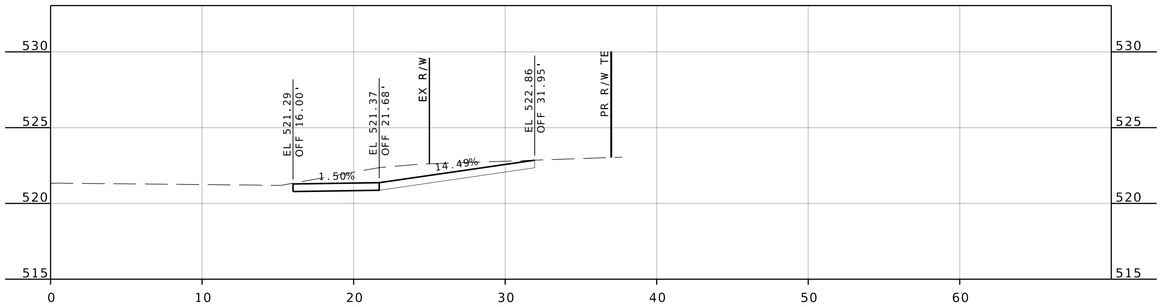
DESIGNED:
M. SCHNEIDER

DRAWN:
M. SCHNEIDER

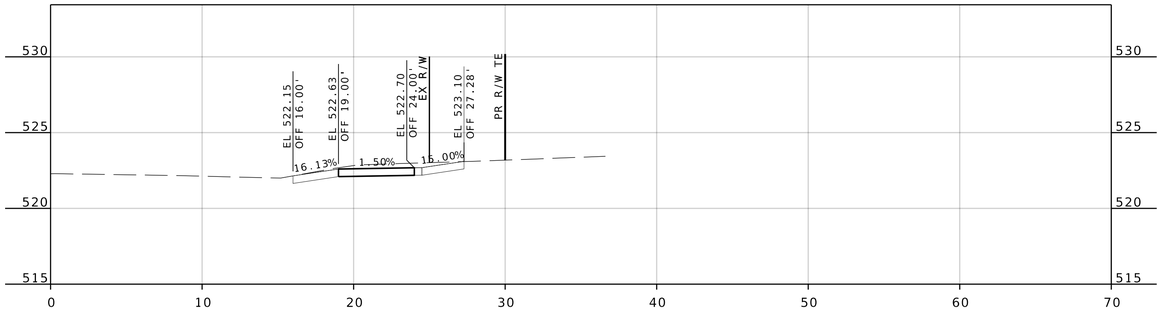
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A. DAVIS

SHEET SEQUENCE:
84 OF 97

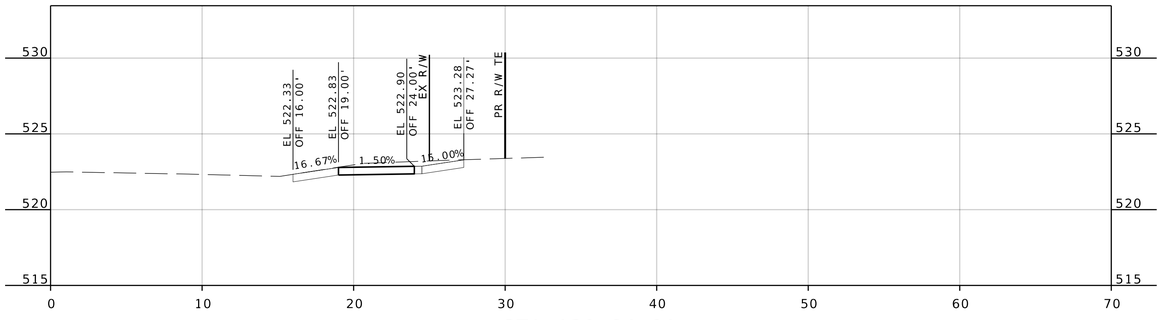
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STA 122+18.53
1300 MULLANPHY ROAD



STA 121+11.03
1310 MULLANPHY ROAD



STA 120+84.91
1320 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I have exercised the documents intended to be authorized by my seal are limited to the work, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

04/21/2026 4:15:13 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

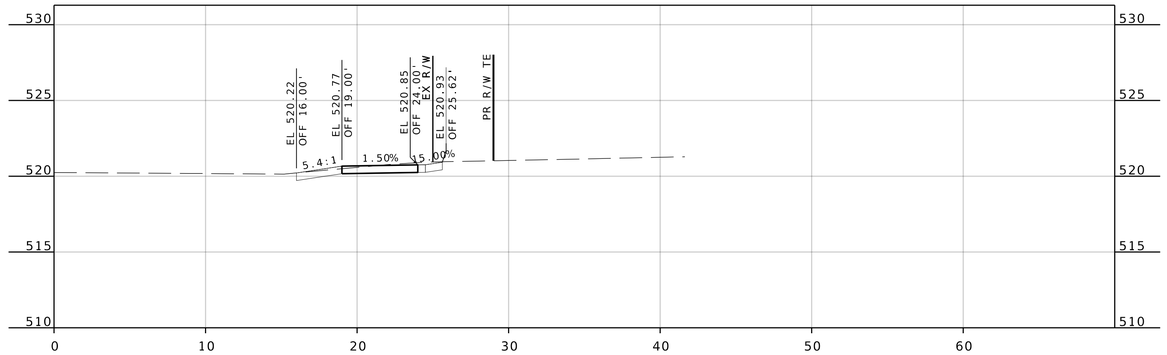
PREPARED BY:
HRGreen
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

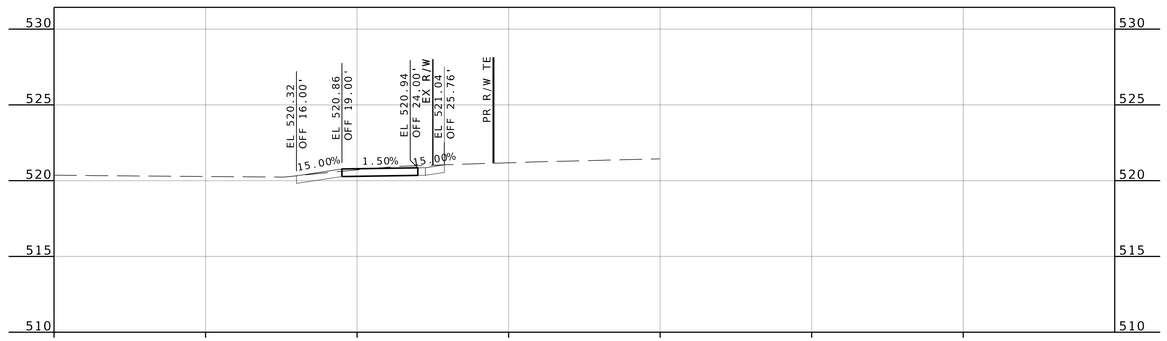
DRIVEWAY CROSS SECTIONS (SHEET 2 OF 14)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 85 OF 97

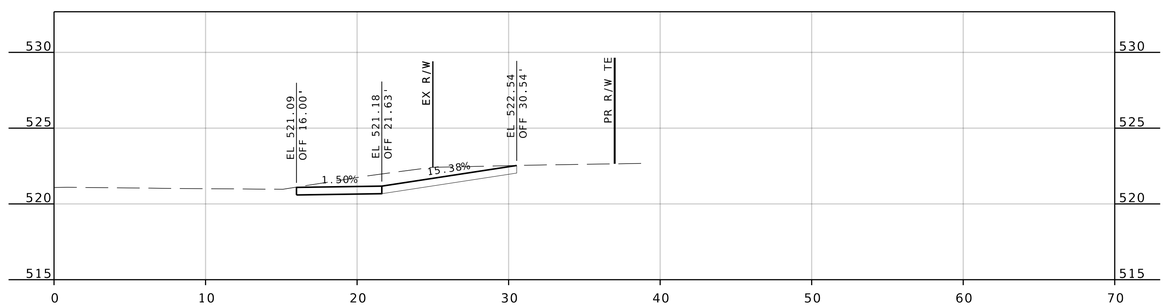
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STA 123+67.68
1270 MULLANPHY ROAD



STA 123+49.12
1280 MULLANPHY ROAD



STA 122+43.39
1290 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
04/21/2026 4:15:16 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD
RESURFACING

DRIVEWAY
CROSS SECTIONS
(SHEET 3 OF 14)

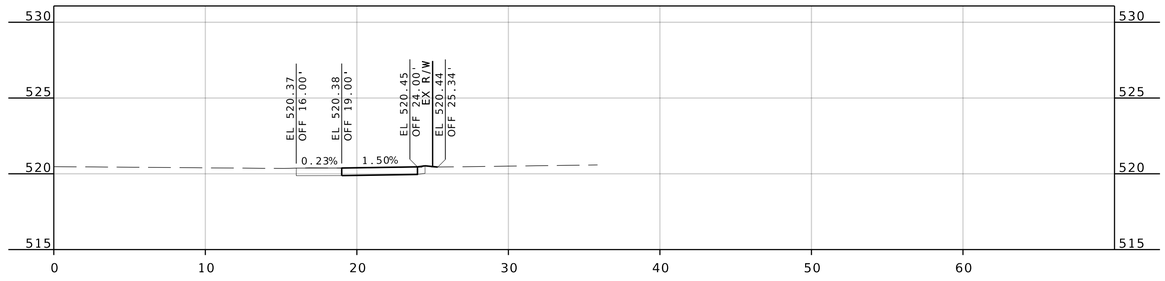
DESIGNED:
M. SCHNEIDER

DRAWN:
M. SCHNEIDER

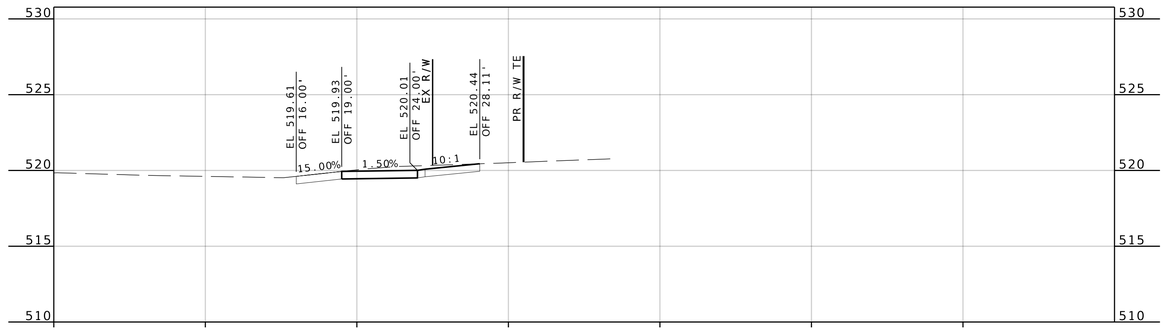
CHECKED:
A. DAVIS

SHEET SEQUENCE:
86 OF 97

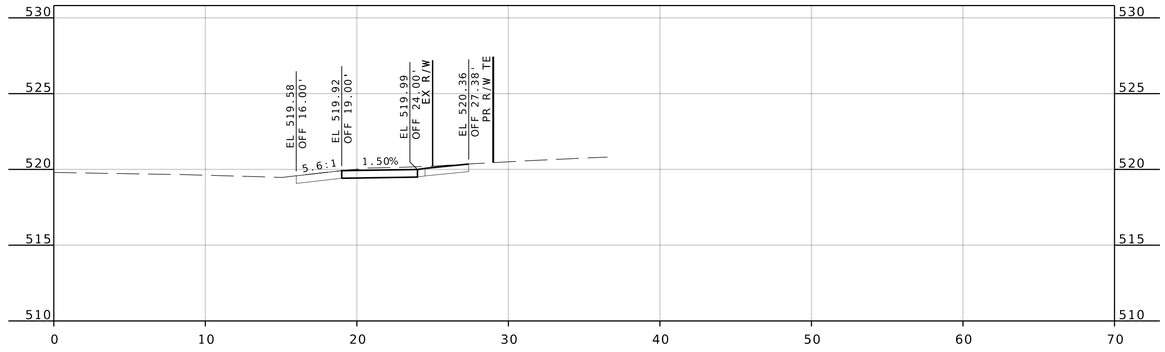
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STA 126+08.33
1220 MULLANPHY ROAD



STA 125+02.70
1240 MULLANPHY ROAD



STA 124+74.70
1260 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

04/21/2026 4:15:19 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
120 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.579.0900 WWW.HRGREEN.COM
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

Bl. Feuillant de Pleurlaeant 1786 Est. Cite of Florissant

MULLANPHY ROAD
RESURFACING

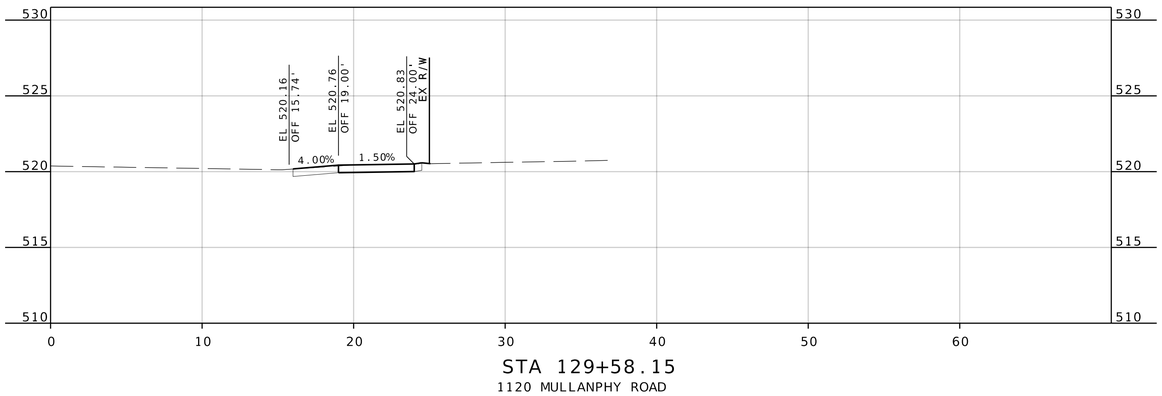
DRIVEWAY
CROSS SECTIONS
(SHEET 4 OF 14)

DESIGNED:
M. SCHNEIDER

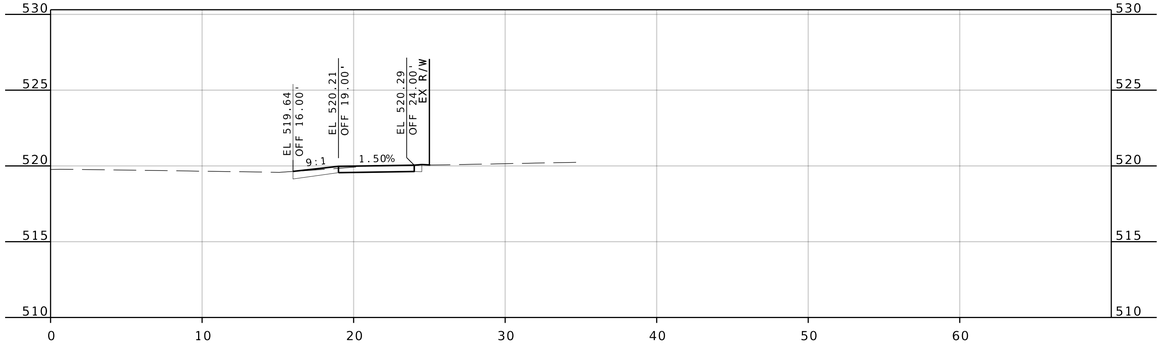
DRAWN:
M. SCHNEIDER

CHECKED:
A. DAVIS

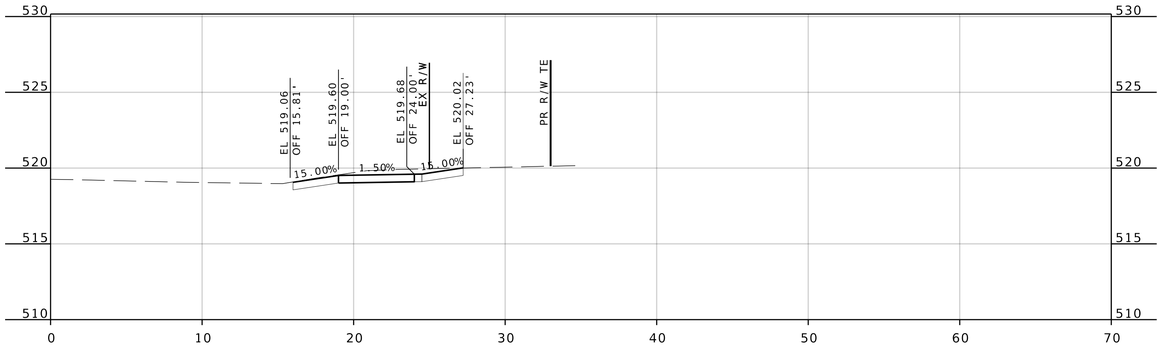
SHEET SEQUENCE:
87 OF 97



STA 129+58.15
1120 MULLANPHY ROAD



STA 128+89.34
1130 MULLANPHY ROAD



STA 128+22.89
1140 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

04/21/2026 4:15:25 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD
RESURFACING

DRIVEWAY
CROSS SECTIONS
(SHEET 5 OF 14)

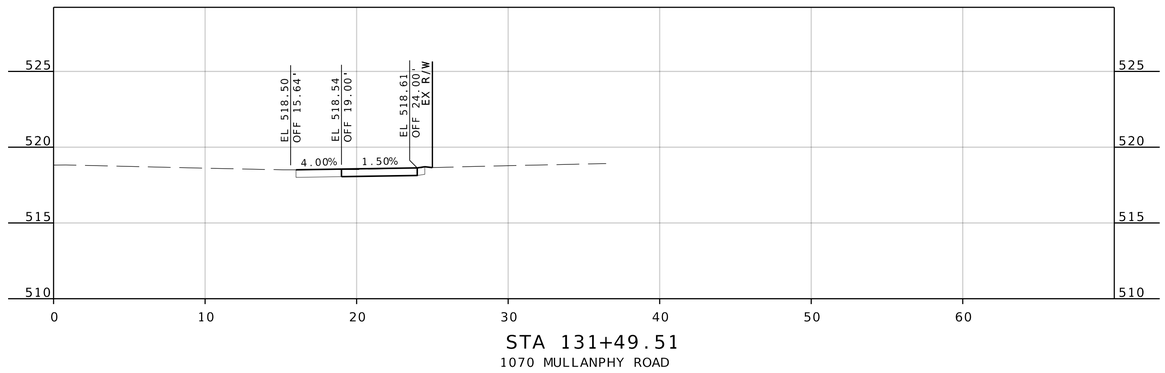
DESIGNED:
M. SCHNEIDER

DRAWN:
M. SCHNEIDER

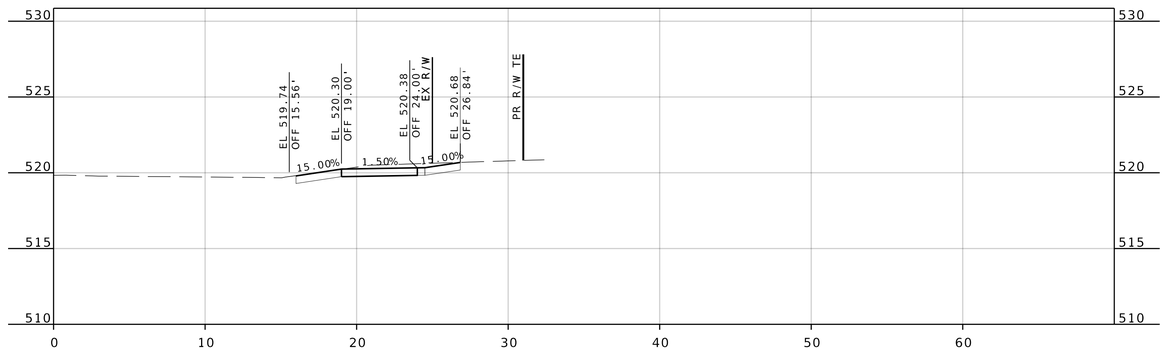
CHECKED:
A. DAVIS

SHEET SEQUENCE:
88 OF 97

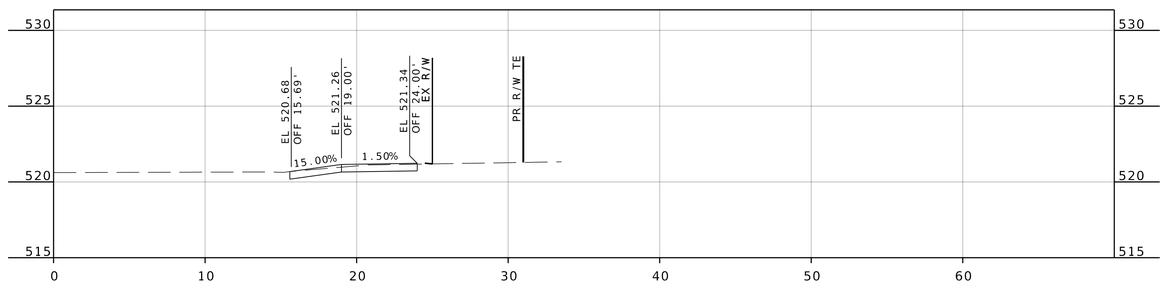
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STA 131+49.51
1070 MULLANPHY ROAD



STA 130+81.59
1080 MULLANPHY ROAD



STA 130+15.87
1100 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S. Davis
04/21/2026 4:15:31 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
101 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: (314) 432-0550 FAX: (314) 432-0551
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD
RESURFACING

DRIVEWAY
CROSS SECTIONS
(SHEET 6 OF 14)

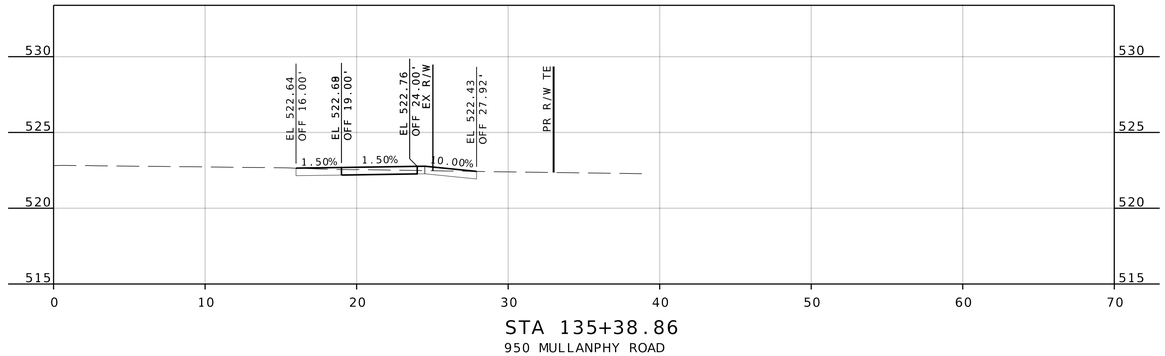
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M. SCHNEIDER

DRAWN:
M. SCHNEIDER

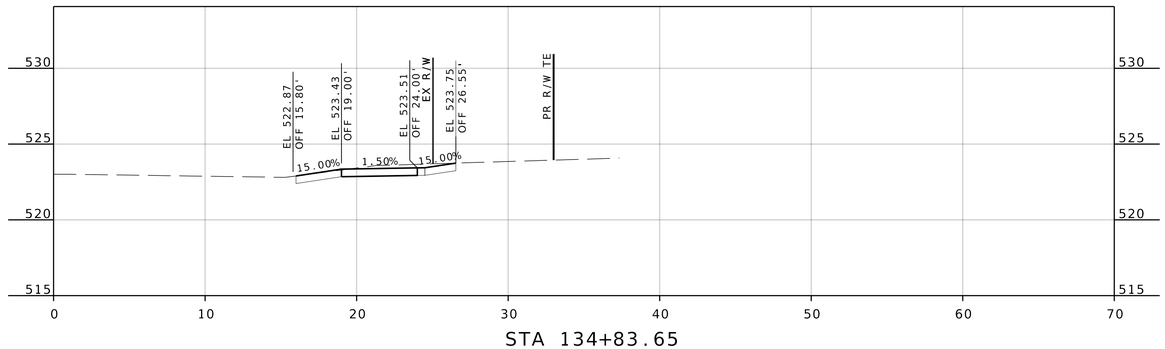
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A. DAVIS

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89 OF 97

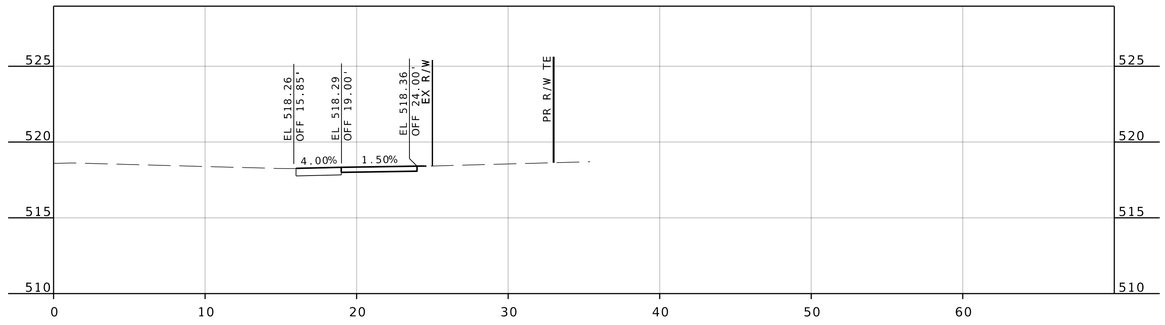
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STA 135+38.86
950 MULLANPHY ROAD



STA 134+83.65
1100 MULLANPHY ROAD



STA 132+57.80
1060 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S. Davis
04/21/2026 4:15:35 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
101 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.432.0550 WWW.HRGREEN.COM
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

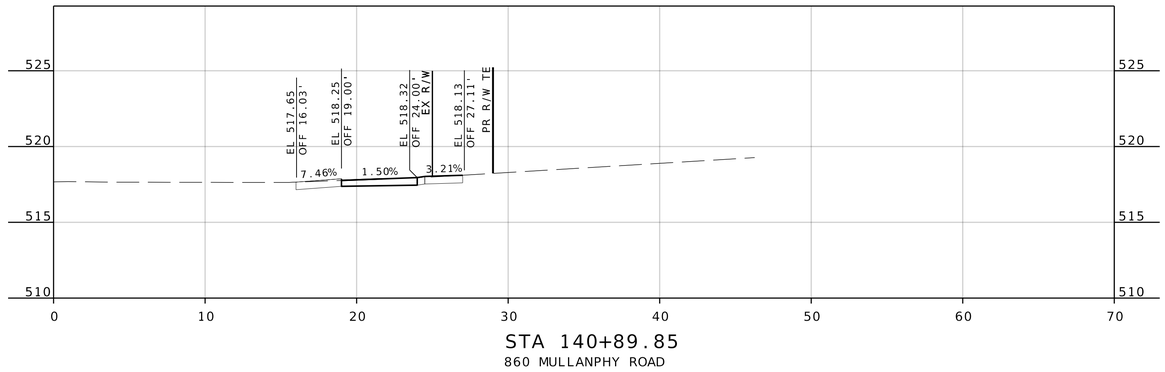
DRIVEWAY CROSS SECTIONS (SHEET 7 OF 14)

DESIGNED:
M. SCHNEIDER

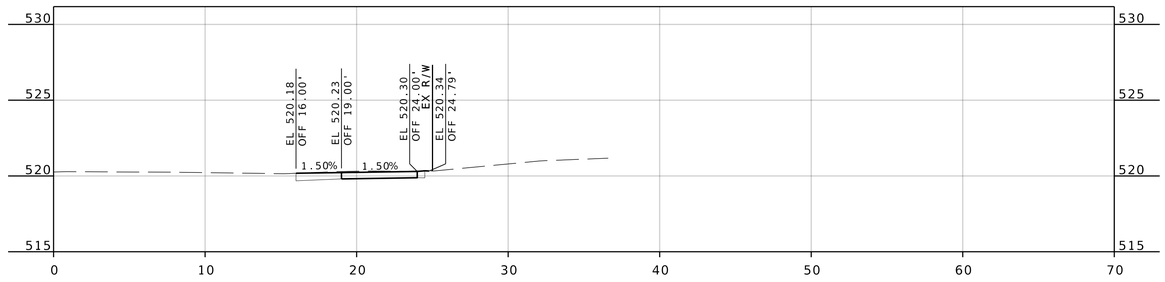
DRAWN:
M. SCHNEIDER

CHECKED:
A. DAVIS

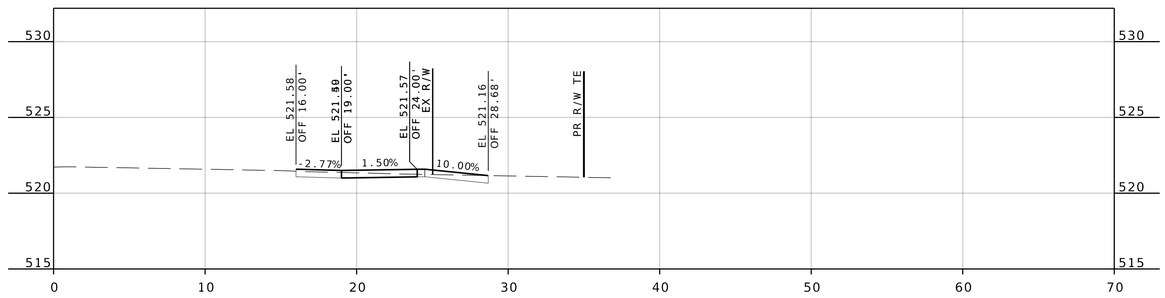
SHEET SEQUENCE:
90 OF 97



STA 140+89.85
860 MULLANPHY ROAD



STA 138+69.06
900 MULLANPHY ROAD



STA 136+95.02
920 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I have reviewed the documents intended to be authorized by my seal are timely to the client, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:15:39 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen®
331 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.579.0900 WWW.HRGREEN.COM
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD
RESURFACING

DRIVEWAY
CROSS SECTIONS
(SHEET 8 OF 14)

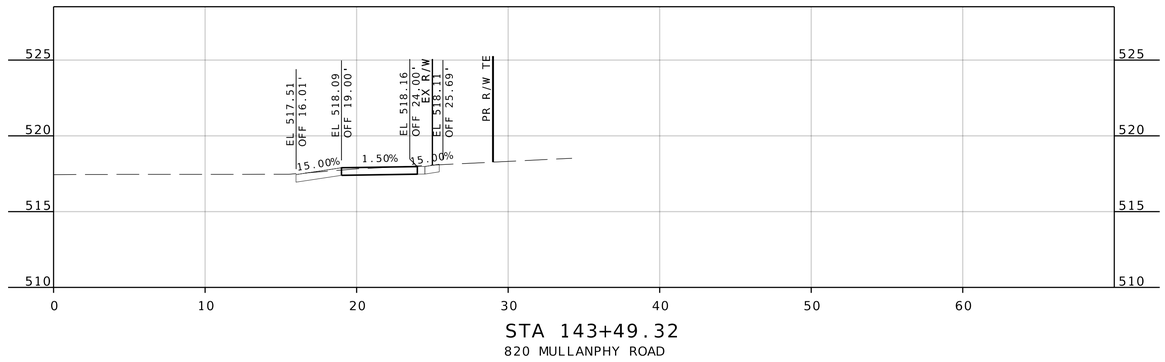
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DRAWN:
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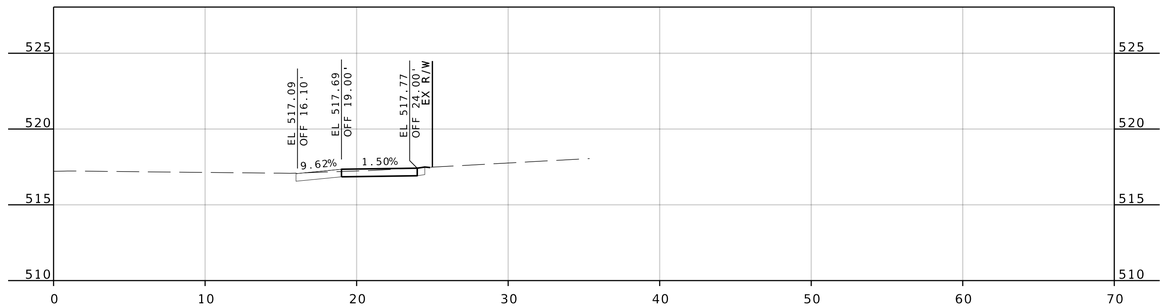
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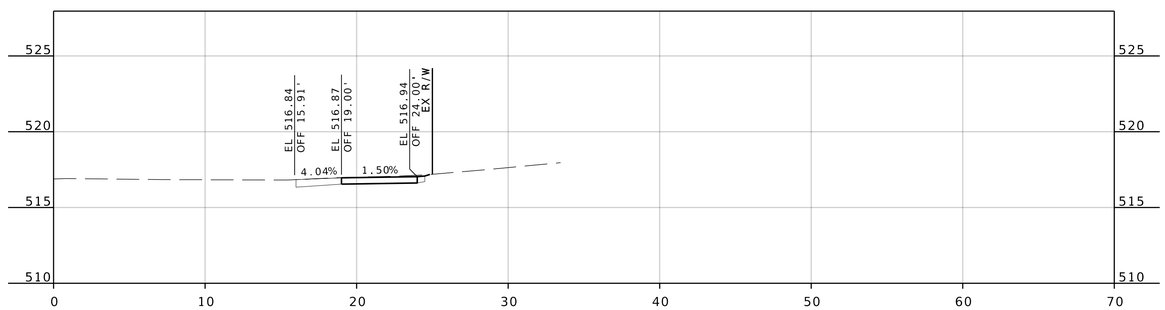
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STA 143+49.32
820 MULLANPHY ROAD



STA 142+41.79
830 MULLANPHY ROAD



STA 141+94.57
850 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

04/21/2026 4:15:44 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

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HRGreen®
101 MARYVILLE CENTRE DRIVE, STE. 150, ST. LOUIS, MO 63141
PHONE: 314-432-0550 FAX: 314-432-0551
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD
RESURFACING

DRIVEWAY
CROSS SECTIONS
(SHEET 9 OF 14)

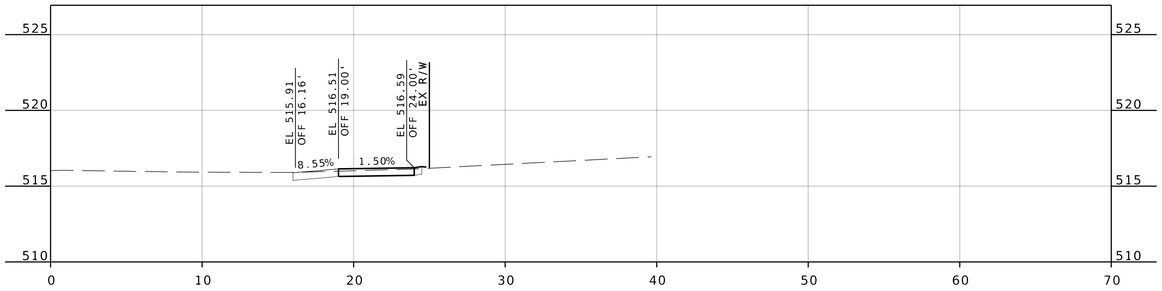
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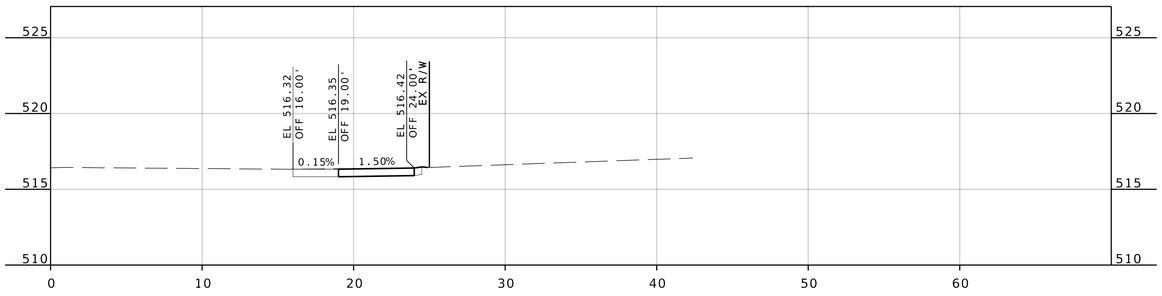
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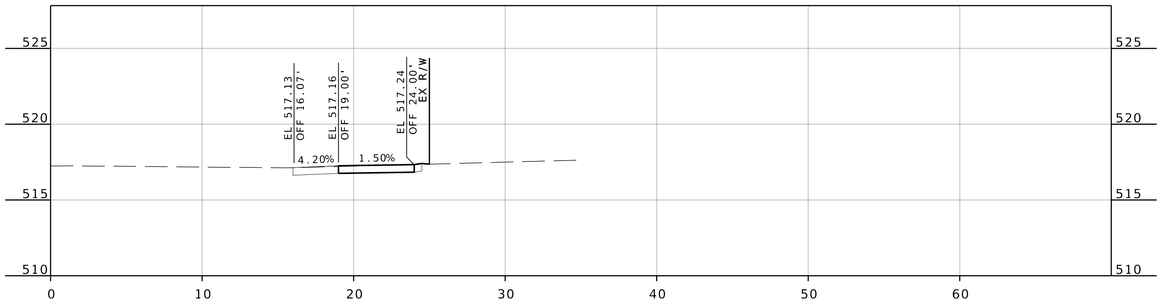
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STA 145+40.91
770 MULLANPHY ROAD



STA 144+98.99
790 MULLANPHY ROAD



STA 143+90.55
800 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

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Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

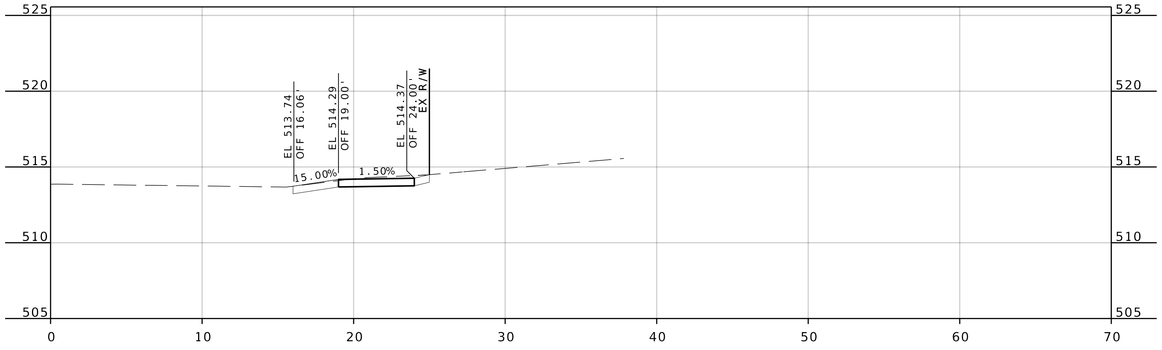
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HRGreen
320 MARKVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
(314) 878-6100 FAX (314) 878-6107 WWW.HRGREEN.COM
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

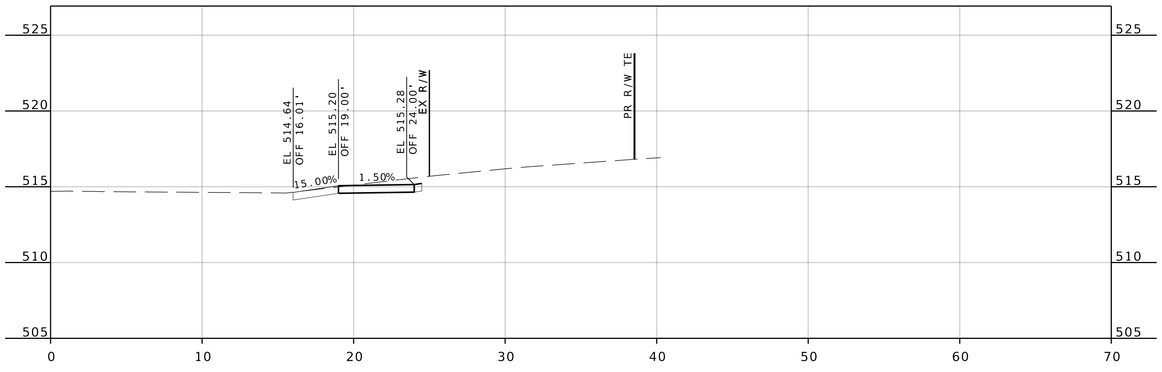
DRIVEWAY CROSS SECTIONS (SHEET 10 OF 14)

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DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 93 OF 97

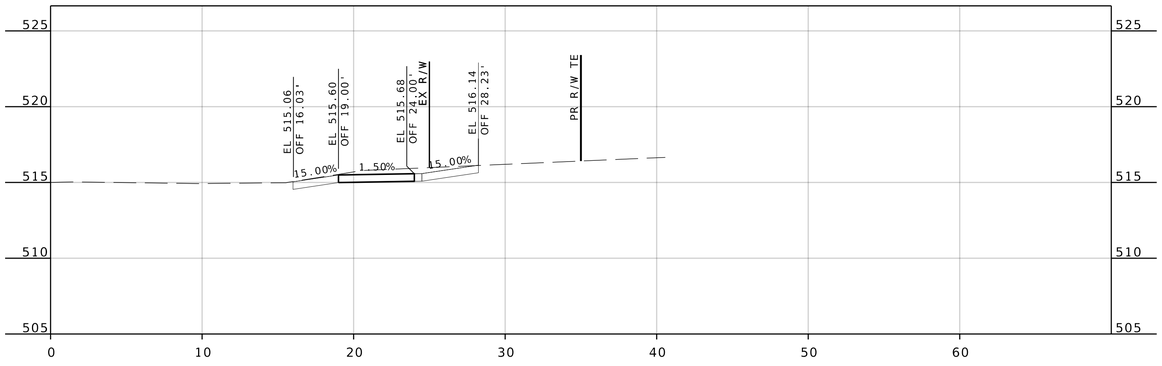
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STA 147+99.70
730 MULLANPHY ROAD



STA 146+91.21
740 MULLANPHY ROAD



STA 146+47.89
760 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

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04/21/2026 4:15:50 PM
Andrea S. Davis - Civil
MO PE-2018021250

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ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Pleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

DRIVEWAY CROSS SECTIONS (SHEET 11 OF 14)

DESIGNED:
M. SCHNEIDER

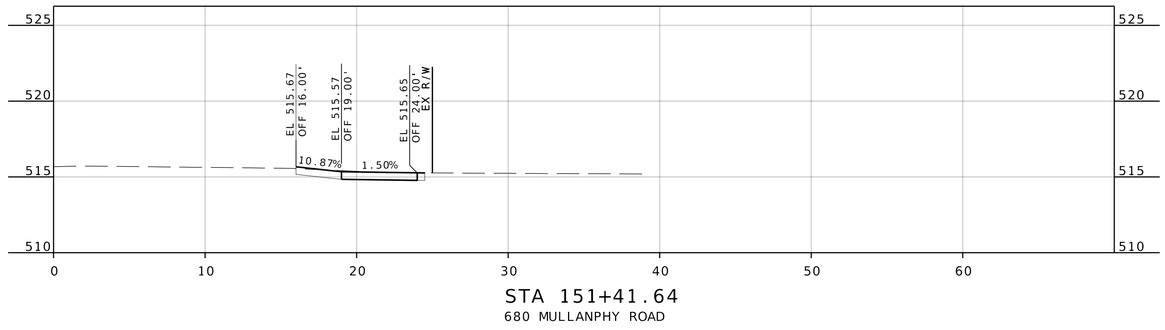
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CHECKED:
A. DAVIS

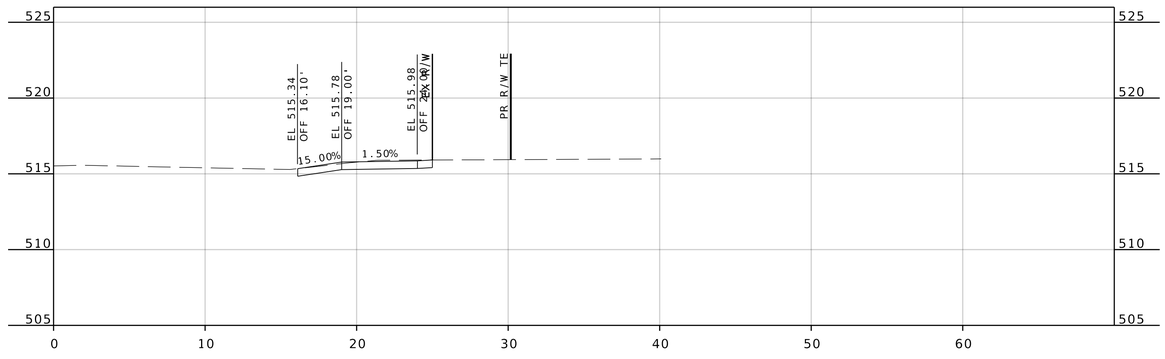
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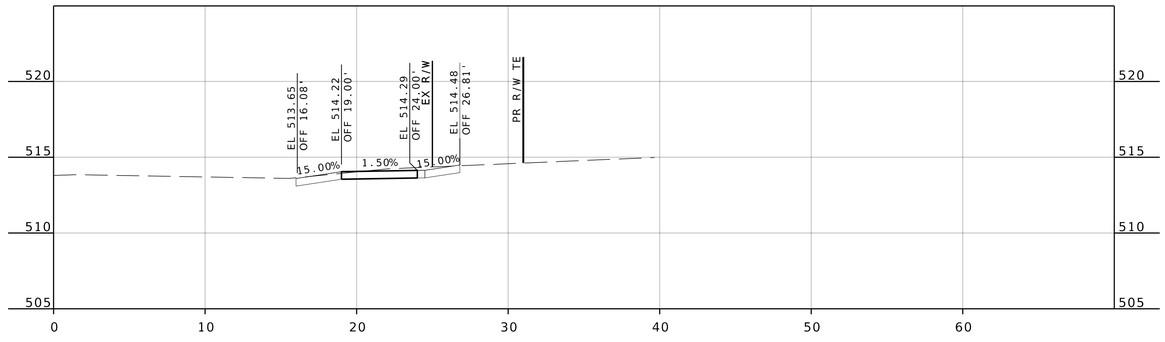
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STA 151+41.64
680 MULLANPHY ROAD



STA 150+95.39
680 MULLANPHY ROAD



STA 148+41.69
720 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:15:53 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
120 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
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ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD
RESURFACING

DRIVEWAY
CROSS SECTIONS
(SHEET 12 OF 14)

DESIGNED:
M. SCHNEIDER

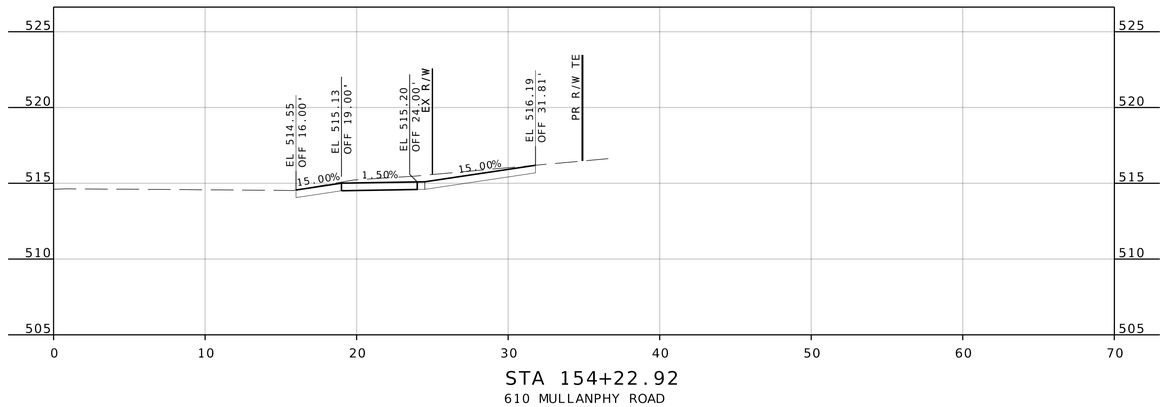
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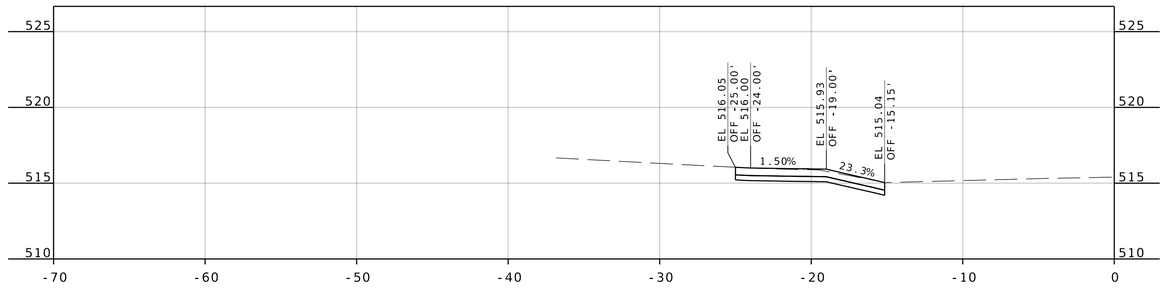
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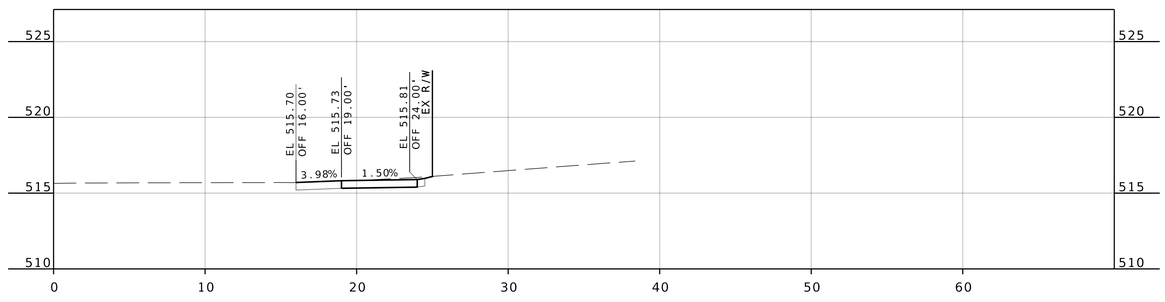
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STA 154+22.92
610 MULLANPHY ROAD



STA 152+89.85
635 MULLANPHY ROAD



STA 152+08.99
650 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S. Davis
04/21/2026 4:15:56 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen®
520 MAXWELL, ST. CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
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ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

City of Florissant
St. Ferdinand de Fleurissant
1786
Est.

MULLANPHY ROAD
RESURFACING

DRIVEWAY
CROSS SECTIONS
(SHEET 13 OF 14)

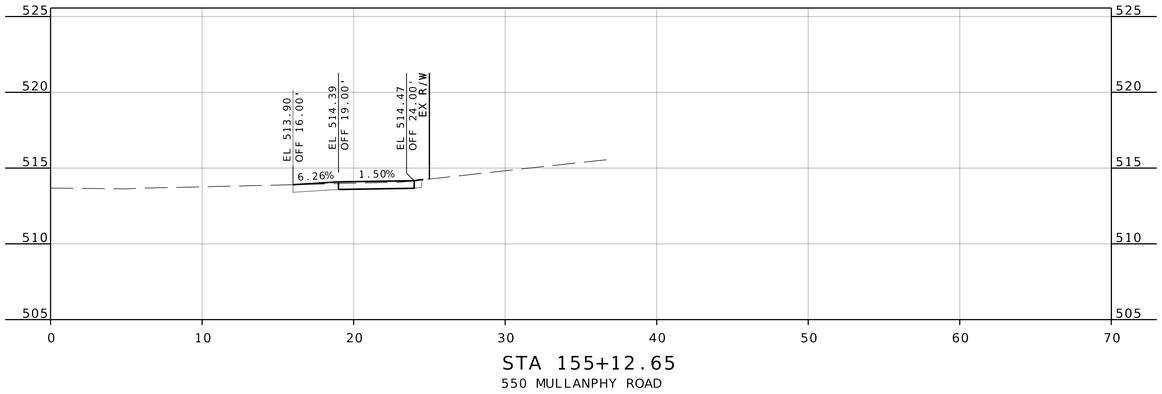
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M. SCHNEIDER

DRAWN:
M. SCHNEIDER

CHECKED:
A. DAVIS

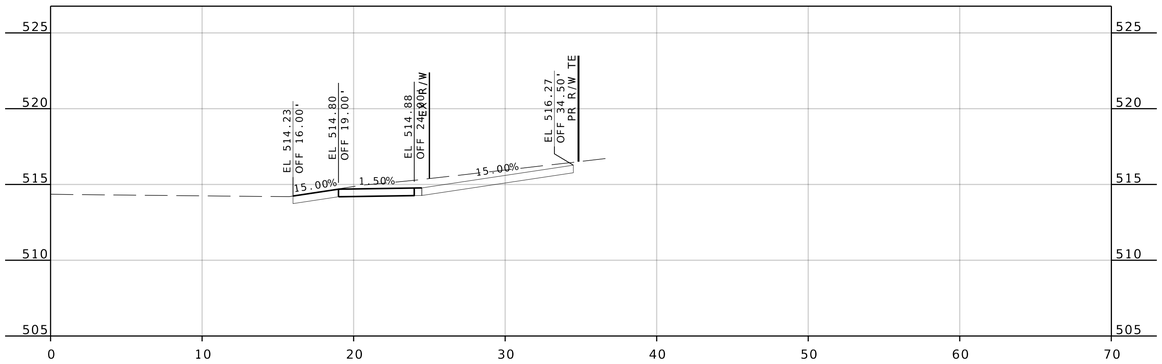
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STA 155+12.65

550 MULLANPHY ROAD



STA 154+49.26

580 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
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MSD:
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MSD BASE MAP:
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PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:15:59 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

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HRGreen
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PHONE: (314) 579-0400 FAX: (314) 579-0401
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Fleurissant Est. 1786 City of Florissant

MULLANPHY ROAD
RESURFACING

DRIVEWAY
CROSS SECTIONS
(SHEET 14 OF 14)

DESIGNED:
M. SCHNEIDER

DRAWN:
M. SCHNEIDER

CHECKED:
A. DAVIS

SHEET SEQUENCE:
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STP-4901(650)

City of Florissant, Missouri
955 St. Francois Street
Florissant, MO 63031

REQUEST FOR BID

BID OF

Bidder Name_____

Bidder Address_____

_____

FOR
MULLANPHY ROAD RESURFACING

Mullanphy Road from Shackelford Road to Patterson Road

STP-4901(650)
City of Florissant, St. Louis County

CITY OF FLORISSANT – MULLANPHY ROAD RESURFACING
STP-4901(650)

INVITATION FOR BIDS

Electronic submissions will be received by the City of Florissant's Engineering Division until **10:00 AM CST** on **Wednesday, September 9th, 2026**, at which time, bids will be publicly opened and read aloud at Florissant City Hall's 1st Floor Conference Room at 955 Rue St Francois, Florissant, MO 63031. Electronic submissions will be received through the City's e-Procurement Portal, OpenGov: https://procurement.opengov.com/portal/florissantmo

Bidders shall create a FREE account with OpenGov Procurement by signing up at https://procurement.opengov.com/signup. Once you have completed account registration, navigate to the City of Florissant portal, click on "Submit Response", and follow the instructions to submit the electronic bid.

The proposed Scope of Work includes grading, sidewalk installation, pavement repair, mill and overlay, entrance reconstruction, and storm sewer improvements.

Bid packages are available for download from the City of Florissant Procurement Portal website at: https://www.florissantmo.com/290/Current-Bid-Opportunities

A pre-bid conference will be held at **10:00 AM CST** on **Wednesday, September 2nd, 2026**, at 955 St. Francois Street, Florissant, Missouri, 63031. **All bidders are encouraged to attend the pre-bid meeting.**

Any questions regarding this bid must be presented in writing and posted directly on the OpenGov Procurement Project question section. Questions will not be answered outside of the OpenGov platform to ensure equal opportunity for all interested parties. The cut-off date for questions is **10:00 AM CST** on **Wednesday, September 2nd, 2026**.

All labor used in the construction of this public improvement shall be paid a wage no less than the prevailing hourly rate of wages of work of a similar character in this locality as established by the Department of Labor and Industrial Relations (Federal Wage Rate), or state wage rate, whichever is higher.

The City of Florissant is a tax-exempt entity. A project exemption certificate will be supplied to the successful contractor.

The City of Florissant hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, businesses owned and controlled by socially and economically disadvantaged individuals will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, religion, creed, sex, age, ancestry, or national origin in consideration for an award.

All bidders must be on MoDOT's Qualified Contractor List per Section 102.2 from the current version of the Missouri Standard Specifications for Highway Construction, including all revisions. The contractor questionnaire must be on file 7 days prior to bid opening

Contractors and sub-contractors who sign a contract to work on public works project provide a 10-Hour OSHA construction safety program, or similar program approved by the Department of Labor and Industrial Relations, to be completed by their on-site employees within sixty (60) days of beginning work on the construction project.

A certified or cashier's check or a bid bond in the amount of 5% shall be submitted with each proposal.

The DBE Goal for this letting is **0%** of the total contract amount.

The City of Florissant shall award based on the lowest, responsive, responsible bidder. The City of Florissant reserves the right to reject any or all bids.

CITY OF FLORISSANT – MULLANPHY ROAD RESURFACING
STP-4901(650)

BIDDER CHECKLIST
FINAL CHECKLIST BEFORE SUBMITTING BID

o 1. Submit completed Contractor Questionnaire and/or Contractor Prequalification Questionnaire with attachments not later than seven (7) days prior to the date and hour of the bid opening. See Secs 101-103 of the Standard Specifications, and Rule 7 CSR 10-15.900, "Prequalifications to Bid of Certain Contractors". Questionnaire and Contact information are provided on MoDOT's website.

o 2. For submittal of paper bids, the complete set of bidding documents includes all information through the DBE forms (for DBE forms see #8). The Technical Specifications/Job Special Provisions are for the bidder's information only and is not to be returned with the bid.

o 3. Paper bids will not be accepted. All bids shall be submitted in electronic format to the City of Florissant's e-Procurement Portal, OpenGov: https://procurement.opengov.com/portal/florissantmo

o 4. Please read all items in the bidding document carefully. For paper bids, complete all items in ink or by typing in the information.

o 5. Sign this bidding document properly. If submitted in the name of a firm or corporation, the legal name of the firm or corporation should appear in the space designated, and be signed for by one or more persons legally qualified to execute papers in the name of said firm or corporation. Affix Corporate Seal if the Bidder is a Corporation.

o 6. For paper bids submit a bid bond executed by bidder and surety, or attach cashier's check to the bid bond form.

o 7. Submit the Bidder's List Quote Summary form with the bid.

o 8. Submit the DBE Submittal Forms within 3 business days of the Bid Opening. The DBE Identification Submittal Form (Page 2 of this document) must be submitted for each DBE to be utilized on the project. Any DBE's submitted as regular dealers/distributors must have an accompanying DBE Regular Dealer/Distributor Affirmation Form.

o 9. For paper bids, staple addenda to the bid in the appropriate part of the bid. The letter accompanying the addenda should be stapled to the inside of the back cover of the bid and returned. The bidder should retain a duplicate copy.

sssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssss
Below is a list of common mistakes made by bidders leading to non-responsive bids. Please refer to the Standard Specifications for the appropriate procedures for completing and submitting a bid.

a) Not signing the bid
b) Not incorporating the addendum into the bidding documents, including attaching the letter to the bid
c) Not providing a bid bond
d) Using pencil to fill out the bid
e) Using white out to make corrections to the itemized bid sheets
f) Not initialing changes made

sssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssss

All questions concerning the bid document preparation can be directed to Joe Vrabel at 314.839.7643 or jvrabel@florissantmo.com. Project specific questions can be directed to Andi Davis at 636.812.4203 or andrea.davis@hrgreen.com.

Special Needs: If you have special needs addressed by the Americans with Disabilities Act, please notify Joe Vrabel at 314.839.7643 or through Missouri Relay System, TDD 1-800-735-2966, at least five (5) working days prior to the bid opening.

CITY OF FLORISSANT – MULLANPHY ROAD RESURFACING
STP-4901(650)

TABLE OF CONTENTS

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- Compliance With Contract Provisions ..... (2)
- Period of Performance ..... (3)
- Liquidated Damages ..... (4)
- Bid Guaranty ..... (5)
- Certifications for Federal Jobs ..... (6)
- Antidiscrimination ..... (7)
- Federal and State Inspection ..... (8)
- Prevailing Wage ..... (9)
- Worker Eligibility Requirements ..... (10)
- OSHA Training Requirements ..... (11)
- Buy America Requirements ..... (12)
- Addendum Acknowledgement ..... (13)
- Signature and Identity of Bidder ..... (14)
- Trainees ..... (15)
- Subcontractor Disclosure ..... (16)
- Project Award ..... (17)
- Materials Inspections ..... (18)
- Prime Contractor Requirements ..... (19)

Itemized Bid Sheets (BF-1 – BF-2)

Bid Bond (BB-1)

Bidder's List Quote Summary Form (Fig. 136.9.12) (DBE-1)

DBE Identification Submittal (Fig. 136.9.9) (DBE-2 – DBE-5)

DBE Provisions (Fig. 136.9.8) (DBE-5 – DBE-11)

Job Special Provisions (JSP-1 – JSP-28)

Form FHWA 1273 (Fig. 136.9.7)

Federal Aid Provisions (FAP-1 – FAP-8)

Applicable State Wage Rates

Applicable Federal Wage Rates

Applicable Environmental and Cultural Permits and Clearances

ADA Checklist (Fig. 136.9.4)

CITY OF FLORISSANT – MULLANPHY ROAD RESURFACING
STP-4901(650)

NOTICE TO CONTRACTORS

Electronic submissions will be received by the City of Florissant's Engineering Division until **10:00 AM CST** on **Wednesday, September 9th, 2026**, at which time, bids will be publicly opened and read aloud at Florissant City Hall's 1st Floor Conference Room at 955 Rue St Francois, Florissant, MO 63031. Electronic submissions will be received through the City's e-Procurement Portal, OpenGov: https://procurement.opengov.com/portal/florissantmo

(1) PROPOSED WORK: The proposed work, hereinafter called the work, includes:

Grading, sidewalk installation, pavement repair, mill and overlay, entrance reconstruction, and storm sewer improvements.

(2) COMPLIANCE WITH CONTRACT PROVISIONS: The bidder, having examined and being familiar with the local conditions affecting the work, and with the contract, contract documents, including the current version of the St. Louis County Transportation and Public Works Department's "Standard Specifications for Road and Bridge Construction," their revisions, and the request for bid, including appendices, the special provisions and plans, hereby proposes to furnish all labor, materials, equipment, services, etc., required for the performance and completion of the work. All references are to the Standard Specifications for Road and Bridge Construction, as revised, unless otherwise noted.

The Standard Specifications for Road and Bridge Construction are available at St. Louis County's web page at https://stlouiscountymo.gov/st-louis-county-departments/transportation-and-public-works/roadway-publications-and-manuals/. The effective version shall be determined by the letting date of the project.

These supplemental bidding documents contain all current revisions to the bound printed versions and have important legal consequences. It shall be conclusively presumed that they are in the bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

The contracting authority for this contract is the City of Florissant.

(3) PERIOD OF PERFORMANCE: If the bid is accepted, the bidder agrees that work shall be diligently prosecuted at such rate and in such manner as, in the judgment of the engineer, is necessary for the completion of the work within the time specified as follows in accordance with Sec 108 of the Missouri Standard Specifications for Highway Construction:

Working Days: 100
Completion Date: May 14th, 2027

(4) LIQUIDATED DAMAGES: The bidder agrees that, should the bidder fail to complete the work in the time specified or such additional time as may be allowed by the engineer under the contract, the amount of liquidated damages to be recovered in accordance with Sec 108 of the Missouri Standard Specifications for Highway Construction shall be as follows:

Liquidated damages per day $1,100

(5) BID GUARANTY: The bidder shall submit a Bid Guaranty meeting the requirements of Section 102 of the Missouri Standard Specifications for Highway Construction. A sample project bid bond form is included in the bid book. The bidder shall mark the box below to identify the type of Bid Guaranty.

¨ Paper Bid Bond
¨ Cashier's Check

(6) CERTIFICATIONS FOR FEDERAL JOBS: By signing and submitting this bid, the bidder makes the certifications appearing in Sec 102.18.1 (regarding affirmative action and equal opportunity), Sec.

102.18.2 (regarding disbarment, eligibility, indictments, convictions, or civil judgments), Sec. 102.18.3 (regarding anti-collusion), and Sec. 102.18.4 (regarding lobbying activities) of the Missouri Standard Specifications for Highway Construction. Any necessary documentation is to accompany the bid submission, as required by these sections. As provided in Sec. 108.13 of the Missouri Standard Specifications for Highway Construction, the contracting authority may terminate the contract for acts of misconduct, which includes but is not limited to fraud, dishonesty, and material misrepresentation or omission of fact within the bid submission.

(7) ANTIDISCRIMINATION: The Contracting Authority hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, businesses owned and controlled by socially and economically disadvantaged individuals will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, religion, creed, sex, age, ancestry, or national origin in consideration for an award.

(8) FEDERAL AND STATE INSPECTION: The Federal Government is participating in the cost of construction of this project. All applicable Federal laws, and the regulations made pursuant to such laws, shall be observed by the contractor, and the work will be subject to the inspection of the appropriate State or Federal Agency in the same manner as provided in Sec 105.10 of the Missouri Standard Specifications for Highway Construction with all revisions applicable to this bid and contract.

(9) PREVAILING WAGE (FEDERAL AND STATE): This contract requires payment of the prevailing hourly rate of wages for each craft or type of work required to execute the contract as determined by the Missouri Department of Labor and Industrial Relations, and requires adherence to a schedule of minimum wages as determined by the United States Department of Labor. For work performed anywhere on this project, the contractor and the contractor's subcontractors shall pay the higher of these two applicable wage rates. The applicable state wage rates for this contract are detailed in "Annual Wage Order No. 32", that is attached to this bidding document. The applicable federal wage rates for this contract are the effective Davis-Bacon federal wage rates posted the tenth day before the bid opening date and are attached herein.

These supplemental bidding documents have important legal consequences. It shall be conclusively presumed that they are in the bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

(10) WORKER ELIGIBILITY REQUIREMENTS: Execution of the construction contract for this project is dependent upon the awarded bidder providing an Affidavit of Compliance AND E-Verify Memorandum-of-Understanding (MOU) between the bidder and Department of Homeland Security to the Contracting Authority as required by section 285.530 RSMo. The cover page and signature page of the E-Verify MOU and the Affidavit must be submitted prior to award of this contract.

A sample Affidavit of Compliance can be found at the Missouri Attorney General's website at the following link:

http://ago.mo.gov/forms/Affidavit_of_Compliance.pdf

All bidders must also be enrolled in the E-Verify Program, and include their MOU prior to contract execution. Bidders who are not enrolled will need to go to the following website link and select "Enroll in the Program" to get started. After completing the program, they will receive their E-Verify MOU with Department of Homeland Security. This document will need to be printed out and kept on file so that a copy can be attached to the Affidavit of Compliance.

http://www.dhs.gov/files/programs/gc_1185221678150.shtm

This requirement also applies to subcontractors and contract labor, but this contract only requires submittal of the verification documents for the prime contractor. It is the prime contractor's responsibility to verify the worker eligibility of their subcontractors in order to protect their own company from liability as required by section 285.530 RSMo.

(11) OSHA TEN HOUR TRAINING REQUIREMENTS: Missouri Law, 292.675 RSMO, requires any awarded contractor and its subcontractor(s) to provide a ten-hour Occupational Safety and Health Administration (OSHA) Construction Safety Program (or a similar program approved by the Missouri Department of Labor and Industrial Relations as a qualified substitute) for their on-site employees (laborers, workmen, drivers, equipment operators, and craftsmen) who have not previously completed such a program and are directly engaged in actual construction of the improvement (or working at a nearby or adjacent facility used for construction of the improvement). The awarded contractor and its subcontractor(s) shall require all such employees to complete this ten-hour program, pursuant to 292.675 RSMO, unless they hold documentation on their prior completion of said program. Penalties, for Non-Compliance include contractor forfeiture to the Contracting Authority in the amount of $2,500, plus $100 per contractor and subcontractor employee for each calendar day such employee is employed beyond the elapsed time period for required program completion under 292.675 RSMO.

(12) BUY AMERICA REQUIREMENTS: Construction contracts shall assure compliance with Section 165 of the Surface Transportation Assistance Act of 1982, Section 337 of the Surface Transportation and Uniform Relocation Assistance Act of 1987, 23 CFR 635.410, and the Bipartisan Infrastructure Law (2021) Build America, Buy America Act Publication L. No. 117-58 regarding Buy America provisions on the procurement of foreign products and materials. On all contracts involving Federal-aid, all products of iron, steel, or a coating of steel which are incorporated into the work must have been manufactured in the United States. Construction materials consisting primarily of non-ferrous metals, plastic and polymer-based products, glass, lumber, or drywall also require Buy America certification. Cement and cementitious materials; aggregates such as stone, sand, or gravel; or aggregate binding agents or additives are excluded from this requirement. In addition, manufactured products are currently exempted under the 1983 waiver from FHWA. The Contracting Authority may allow minimal amounts of these materials from foreign sources, provided the cost does not exceed 0.1 percent of the contract sum or $2,500, whichever is greater. The Contractor certifies that these materials are of domestic origin. Additional information regarding the “Buy America” requirements can be found at:

https://www.fhwa.dot.gov/construction/cqit/buyam.cfm

(13) ADDENDUM ACKNOWLEDGEMENT: The undersigned states that the all addenda (if applicable) have been received, acknowledged and incorporated into their bid, prior to submittal. For paper bids, staple addenda to the bid in the appropriate part of the bid.

(14) SIGNATURE AND IDENTITY OF BIDDER: The undersigned states that the following provided information is correct and that (if not signing with the intention to bind themselves to become the responsible and sole bidder) they are the agent of, and they are signing and executing this, as the bid of

_____,
which is the correct LEGAL NAME as stated on the contractor questionnaire.

a) The organization submitting this bid is a(n) (1) individual bidder, (2) partnership, (3) joint venturer (whether individuals or corporations, and whether doing business under a fictitious name), or (4) corporation. Indicate by marking the appropriate box below.

☐ sole individual ☐ partnership ☐ joint venture

☐corporation, incorporated under laws of state of _____.

b) If the bidder is doing business under a fictitious name, indicate below by filling in the fictitious name

_____

Executed by bidder this _____ day of _____ 20____.

THE BIDDER CERTIFIES THAT THE BIDDER AND ITS OFFICIALS, AGENTS, AND EMPLOYEES HAVE NEITHER DIRECTLY NOR INDIRECTLY ENTERED INTO ANY AGREEMENT, PARTICIPATED IN ANY COLLUSION, OR OTHERWISE TAKEN ANY ACTION IN RESTRAINT OF FREE COMPETITIVE BIDDING IN CONNECTION WITH THIS BID, AND THAT THE BIDDER INTENDS TO PERFORM THE WORK WITH ITS OWN BONAFIDE EMPLOYEES AND SUBCONTRACTORS, AND DID NOT BID FOR THE BENEFIT OF ANOTHER CONTRACTOR.

THE BIDDER ACKNOWLEDGES THAT THIS IS AN UNSWORN DECLARATION, EXECUTED UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE UNITED STATES AND/OR FALSE DECLARATION UNDER THE LAWS OF MISSOURI, AND ANY OTHER APPLICABLE STATE OR FEDERAL LAWS. THE FAILURE TO PROVIDE THIS CERTIFICATION IN THIS BID MAY MAKE THIS BID NON-RESPONSIVE, AND CAUSE IT TO BE REJECTED.

THE BIDDER CERTIFIES THAT THE BIDDER'S COMPANY KNOWINGLY EMPLOYS ONLY INDIVIDUALS WHO ARE AUTHORIZED TO WORK IN THE UNITED STATES IN ACCORDANCE WITH APPLICABLE FEDERAL AND STATE LAWS AND ALL PROVISIONS OF MISSOURI EXECUTIVE ORDER NO. 07-13 FOR CONTRACTS WITH THE CONTRACTING AUTHORITY.

☐ Check this box ONLY if the bidder REFUSES to make any or all of these certifications. The bidder may provide an explanation for the refusal(s) with this submittal.

_____
Signature of Bidder's Owner, Officer, Partner or Authorized Agent

_____
Please print or type name and title of person signing here

Attest:

_____
Secretary of Corporation if Bidder is a Corporation

Affix Corporate Seal (If Bidder is a Corporation)

NOTE: If bidder is doing business under a fictitious name, the bid shall be executed in the legal name of the individual, partners, joint ventures, or corporation, and registration of fictitious name filed with the secretary of state, as required by sections 417.200 to 417.230 RSMo. If the bidder is a corporation not organized under the laws of Missouri, it shall procure a certificate of authority to do business in Missouri, as required by section 351.572 et seq RSMo. A certified copy of such registration of fictitious name or certificate of authority to do business in Missouri shall be filed with the Missouri Highways and Transportation Commission, as required by the standard specifications.

(15) **TRAINEES**: By submitting this bid, the bidder certifies that the bidder is familiar with the Training Provision in the Missouri Highways and Transportation Commission's "General Provisions and Supplement Specifications" which are available on the Missouri Department of Transportation web page at www.modot.mo.gov under "Business with MoDOT" "Standards and Specifications". The number of trainee hours provided under this contract will be **0 slots** at 1000 hours per slot or **0 hours**.

(16) **SUBCONTRACTOR DISCLOSURE:** Requirements contained within Sec 102.7.8 of the Missouri Standard Specification for Highway Construction shall be waived for this contract.

(17) **PROJECT AWARD:** This project will be awarded to the lowest, responsive, responsible bidder.

(18) **MATERIALS INSPECTIONS**: All technicians who perform, or are required by the FHWA to witness, such sampling and testing shall be deemed as qualified by virtue of successfully completing the requirements of EPG 106.18 Technician Certification Program, for that specific technical area.

(19) PRIME CONTRACTOR REQUIREMENTS: The limitation in Sec 108.1.1 of the Missouri Standard Specifications for Highway Construction that "the contractor's organization shall perform work amounting to not less than 40 percent of the total contract cost" is waived for this contract. Instead, the less restrictive terms of the Federal Highway Administration's rule at Title 23 Code of Federal Regulations (CFR) § 635.116(a) shall apply, so that the contractor must perform project work with its own organization equal to and not less than 30 percent of the total original contract price. All other provisions in Sec 108.1.1 et seq. of the Missouri Standard Specifications for Highway Construction shall remain in full force and effect, and shall continue to govern the contractor and its subcontractors, in accordance with the provisions of Title 23 CFR § 635.116.

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ITEMIZED BID: The bidder proposes to furnish all labor, materials, equipment, services, etc. required for the performance and completion of the work, as follows:

BID FORM

ITEM NO.	JSP	DESCRIPTION	UNIT	PARTICIPATING ITEMS		
				QUANTITY	UNIT COST	EXTENSION
ROADWAY ITEMS						
201-20.10		CLEARING AND GRUBBING	LS	1		
201-20.11	R	CLEARING VEGETATION FROM PEDESTRIAN ACCESS ROUTE	LS	1		
202-20.10	K	REMOVAL OF IMPROVEMENTS	LS	1		
207-20.00		LINEAR GRADING, CLASS 2	STA	44.9		
304-05.04		TYPE 5 AGGREGATE BASE (4" THICK)	SY	431		
405-30.10		TYPE "C" BITUMINOUS CONCRETE (PAVEMENT)	TON	2776.8		
405-30.25	O	ASPHALT PAVEMENT REPAIR, (FULL DEPTH)	SY	476.6		
405-30.30		TYPE "X" BITUMINOUS CONCRETE (BASE)	TON	3.4		
407-10.10		TACK-LIQUID ASPHALT	GAL	1710		
412-10.02		PAVEMENT SURFACING AND TEXTURING (0" TO 2"), CONCRETE OR ASPHALT	SY	17095		
502-11.06		CONCRETE PAVEMENT (6" NON-REINFORCED)	SY	165.1		
502-11.07		CONCRETE PAVEMENT (7" NON-REINFORCED)	SY	316.0		
604-12.01	X	SINGLE CURB INLET, UNTRAPPED	EA	2		
604-20.20	X	ADJUSTING BASIN OR INLET	EA	4		
604-20.26	X	ADJUST GRATE INLET TO GRADE	EA	14		
604-20.30	X	ADJUSTING MANHOLE TO GRADE	EA	12		
604-25.40	X	CONVERT INLET TO MANHOLE AND ADJUST TO GRADE	EA	2		
608-50.06		PAVED DRIVEWAY APPROACH (6" THICK)	SY	685.9		
609-10.10		CONCRETE CURB, TYPE "S"	LF	693		
609-20.11		INTEGRAL CURB (6" HEIGHT AND UNDER)	LF	319		
612-30.15	L	TEMPORARY TRAFFIC CONTROL	LS	1		
619-00.00		MOBILIZATION	LS	1		
622-10.00		TEMPORARY PAVEMENT MARKING PAINT	LS	1		
627-40.00	J	CONTRACTOR FURNISHED SURVEYING & STAKING	LS	1		
703-90.10	Y	MODULAR BLOCK WALL (H<4')	SF	79		
803-10.00	BB	SODDING	SY	1556		
805-40.00		SITE RESTORATION (ROADWAY PROJECTS)	LS	1		
806-45.10		INLET PROTECTION DEVICE, SINGLE UNIT - GRAVEL FILTER BAG	EA	29		
806-45.13		INLET PROTECTION DEVICE, DOUBLE UNIT - GRAVEL FILTER BAG	EA	4		
806-70.00		SILT FENCE	LF	300		
					SUBTOTAL - ROADWAY ITEMS	

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BID FORM (CONTINUED)

STRIPING ITEMS						
620-60.00D	EE	4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL TYPE P BEADS)	LF	4215		
620-60.01D	EE	4 IN. YELLOW CLASS 1 PAVEMENT MARKING PAINT (18-MIL TYPE P BEADS)	LF	2061		
620-00.15	EE	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN., WHITE	LF	217		
					SUBTOTAL - STRIPING ITEMS	
SIGNING ITEMS						
903-12.50A	DD	U-CHANNEL POST, 3 LB	LF	651.5		
903-50.04A	DD	SH-FLAT SHEET	SF	288.4		
					SUBTOTAL - SIGNING ITEMS	
PEDESTRIAN ITEMS						
608-60.04		CONCRETE SIDEWALK (4" THICK)	SY	2564.2		
608-60.08		CONRETE SIDEWALK, CURB RAMP	EACH	41		
					SUBTOTAL - PEDESTRIAN ITEMS	
PROJECT TOTAL BID (BASE BID) NUMBERS:						
PROJECT TOTAL BID (BASE BID) WRITTEN:						

SAMPLE BID BOND

BID BOND

KNOW ALL PERSONS BY THESE PRESENTS, that we _____
_____
as principal and _____
as surety, are held and firmly bound unto the City of Florissant, Missouri in the penal sum of_____ Dollars ($) to be paid to the City to be credited to the local road fund, the principal and surety binding themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

Sealed with our seals and dated this _____

THE CONDITION OF THIS OBLIGATION is such that

WHEREAS the principal is submitting herewith a bid to the City of Florissant on route(s) _____
_____
in St. Louis County, for project (s) _____
_____
for construction or improvement of state highway as set out in said bid;

NOW THEREFORE, if the City shall accept the bid of the principal and if the principal shall properly execute and deliver to the City the contract, contract bond, and evidence of insurance coverage in compliance with the requirements of the bid, the specifications, and the provisions of section 227.100 RSMo, to the satisfaction of the City, then this obligation shall be void and of no effect, otherwise to remain in full force and effect.

In the event the said principal shall, in the judgment of the City, fail to comply with any requirement as set forth in the preceding paragraph, then the City of Florissant, acting by and through the City, shall immediately and forthwith be entitled to recover the full penal sum above set out, together with court costs, attorney's fees, and any other expense of recovery.

The principal and surety hereby certify that the document is the original or a verbatim copy of the bid bond form furnished by the City, in accordance with Sec 102.9 of the Missouri Standard Specifications for Highway Construction.

_____
Principal

SEAL By_____
Signature

_____
Surety

SEAL By_____
Signature of Attorney in Fact

NOTE: This bond must be executed by the principal, and by a corporate surety authorized to conduct surety business in the state of Missouri.

CITY OF FLORISSANT – MULLANPHY ROAD RESURFACING
STP-4901(650)

Project No. _____

Bidder's List Quote Summary

MoDOT and its subrecipients are recipients of federal funds and are required by 49 CFR 26.11, to provide data about its DBE program. The information listed below shall include the names of subcontractors, material suppliers, and service providers (e.g. hauling) and the corresponding NAICS codes for each firm, which may be obtained by using the search function at the following link: https://www.census.gov/naics/. Lastly, indicate if the firm's quote was used in the bid by Y or N. Additional sheets may be used. This information must be submitted with the bid.

Subcontractors, Material Suppliers, and Service Providers (e.g. Hauling) Used & Quoted	NAICS Code(s)	Used (Y/N)

Contractor Name: _____

Contractor Signature: _____ **Date: _____**

CITY OF FLORISSANT – MULLANPHY ROAD RESURFACING
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DBE Submittal Forms - LPA

(6) **DBE Submittal Forms**: This form must be submitted by 4 p.m. three (3) business days after bid opening. You may also use the Excel version located at:
https://epg.modot.org/forms/CM/DBE_Identification_Submittal_Form_LPA_Excel.xlsm

(A) DBE Contract Goal: By submitting this bid, the bidder certifies that the bidder is familiar with the DBE Program Requirements in this contract. The contract DBE goal for the amount of work to be awarded is 0% of the total federal project price. The bidder shall also complete the DBE Submittal Form in accordance with the program requirements.

(B) DBE Participation: The bidder certifies that it will utilize DBE's as follows:

0% OF TOTAL FEDERAL CONTRACT

NOTE: Bidder must fill in the above blank. If no percentage is specified, the bidder certifies that it agrees to, and will comply with the contract goal. If a percentage below the contract goal is specified, then the bidder must submit complete documentation of good faith efforts to meet the DBE contract goal, immediately below.

(C) Certification of Good Faith Efforts to Obtain DBE Participation: By submitting its signed bid, the bidder certifies under penalty of perjury and other provisions of law, that the bidder took each of the following steps to try to obtain sufficient DBE participation to achieve the Commission's proposed DBE Contract Goal: (Attach additional sheets if necessary).

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DBE Identification Submittal Form

(For Local Program Agency (LPA) Projects)

Job Number: _____

Route: _____ County: _____

Prime Contractor: _____ Contract Amount: _____

Identification of Participating DBE's: Provide the requested information below for each DBE participating on the project. Submit this information with your bid or no later than 4:00 p.m. on the 3rd business day after the bid opening. Contact MoDOT's Business Development and Compliance (BDC) Division at (573) 526-2978 for questions and assistance on completion. **This page of this document must be received for each DBE utilized on the project. A DBE Regular Dealer/Distributor Affirmation Form is required for each DBE firm submitted as a regular dealer or distributor.**

All information must be provided.

If awarded the contract for this project, the undersigned will use the following DBE to perform or furnish the work, supplies, and/or services as shown below:

DBE Name: _____ Address: _____

(A) Line No.	(B) Dollar Value of DBE Work** (Unit Price x Quantity of the Item in (A), or Lump Sum)	(C) Dollar value applicable to DBE Goal** (40%, 60%, 100%)	(D) Dollar amount applicable to DBE Goal (B x C)	(E) Percent of total contract amount for line item (D / total contract amount)
		DBE Total:		**Total %**

**Cannot exceed contract amount for given item of work
Trucking services credited at 100% if the DBE owns the trucks or is leasing from a DBE firm
Allowed amount of participation will be in accordance with 49 CFR Part 26.
Supplier Affirmation Form required for all DBE firms submitted as suppliers.
Brokered services will only receive credit for fees.

Respectfully submitted:

_____ _____
Company Name (Prime Contractor) Name / Title

_____
Signed (Prime Contractor)

Form BDC-101 (Rev. 01/2025)

Instructions for Completing the DBE Identification Submittal Form

(For Local Program Agency (LPA) Projects)

(BDC-101)

Submit this form with your bid or as outlined on front of page no later than 4:00 p.m. on the 3rd working day after the bid opening. Only DBE's listed in MoDOT's Missouri Regional Certification Committee (**MRCC**) directory may be used towards obtaining the DBE goal on the project. DBE firm must be certified with the appropriate North American Industrial Classification System (**NAICS**) code for the type of work being utilized to perform. The MRCC directory is available at the following link under the MRCC Directory tab: https://www.modot.org/welcome-business-development-and-compliance.

(A) Insert Bid Line Item in the same order as it appears in the bid document.

(B) Insert the result from multiplying the unit price for the bid line item by the quantities listed in column (A); a lump sum, if applicable, may also be inserted.

(C) Insert the percentage of column (B) that the DBE will perform. If the DBE is a distributor as that term is defined in 49 CFR Part 26.55, then only 40% of the value in column (B) can be applied towards the contract specific goal. If the DBE is a supplier as that term is defined in 49 CFR Part 26.55, then only 60% of the value in column (B) can be applied towards the contract specific goal. **A Supplier Affirmation Form is required for each DBE firm submitted as a supplier. A copy of this form is provided on the next page.** If the DBE is furnishing and installing the line item, then 100% of the value can be applied.

(D) Insert the result from dividing columns (B) and (C).

(E) Insert the result from dividing column (D) from the total bid line item amount.

U.S. Department of Transportation

DBE Regular Dealer/Distributor Affirmation Form

Bidder Name:

Contract Name/Number:

Sections 26.53(c)(1) of Title 49 Code of Federal Regulations requires recipients to make a preliminary counting determination for each DBE listed as a regular dealer or distributor to assess its eligibility for 60 or 40 percent credit, respectively, of the cost of materials and supplies based on its demonstrated capacity and intent to perform as a regular dealer or distributor, as defined in section 26.55(e)(2)(iv)(A),(B),(C), and (3) under the contract at issue. The regulation requires the recipient's preliminary determination to be made based on the DBE's written responses to relevant questions and its affirmation that its subsequent performance of a commercially useful function will be consistent with the preliminary counting of such participation. The U.S. Department of Transportation is providing this form as a tool for recipients, prime contractors, regular dealers, and distributors to use to carry out their respective responsibilities under this regulation. The form may be used by each DBE supplier whose participation is submitted by a bidder for regular dealer or distributor credit on a federally-assisted contract with a DBE participation goal. The form may also be used by prime contractors in connection with DBE regular dealer or distributor participation submitted after a contract has been awarded provided such participation is subject to the recipient's prior evaluation and approval. If this form is used, it should be accompanied by the bidder's commitment, contract, or purchase order showing the materials the DBE regular dealer or distributor is supplying. Use of this tool is not mandatory. If a recipient chooses a different method for complying with Section 26.53(c)(1), it must include that method in its DBE Program Plan.

DBE Name:

Total Subcontract/Purchase Order Amount:

Authorized DBE Representative (Name and Title):

NAICS Code(s) Related to the Items to be Sold/Leased:

1. Will all items sold or leased be provided from the on-hand inventory at your establishment? ☐ **YES** ☐ **NO**
(If "YES," you have indicated that your performance will satisfy the regular dealer requirements and may be counted at 60%. STOP here. Read and sign the affirmation below. If "NO" Continue.)

   a) Are you selling bulk items (e.g., petroleum products, steel, concrete, concrete products, sand, gravel, asphalt, etc.) or items not typically stocked due to their unique characteristics (aka specialty items)?
   ☐ **YES** ☐ **NO** **(If "YES," Go to Question 2. If "NO" Continue.)**

   b) Will at least 51% of the items you are selling be provided from the inventory maintained at your establishment, and will the minor quantities of items delivered from and by other sources be of the general character as those provided from your inventory?
   ☐ **YES** ☐ **NO*** **(If "YES," you have indicated that your performance will satisfy the regular dealer requirements and may be counted at 60%. STOP here. Read and sign the affirmation below.**

   ***If 1.,1.a), and 1. b) above are "NO," your performance on the whole will not satisfy the regular dealer requirements; therefore, only the value of items to be sold or leased from inventory can be counted at 60%. (Go to Question 3. to determine if the items delivered from and by other sources are eligible for Distributor credit.)**

2. Will you deliver all bulk or specialty items using distribution equipment you own (or under a long-term lease) and operate?
☐ **YES** ☐ **NO[1]**

(If "YES," you have indicated that your performance will satisfy the requirements for a regular dealer of bulk items and may be counted at 60%. STOP here. Read and sign the affirmation below.)

[1] If "NO," your performance will not satisfy the requirements for a regular dealer of bulk items; the value of items to be sold or leased cannot be counted at 60%. (Go to Question 3.)

3. Will the written terms of your purchase order or bill of lading from a third party transfer responsibility, including risk for loss or damage, to your company at the point of origin (e.g. a manufacture's facility) ? ☐ **YES[2]** ☐ **NO[3]**

   a) Will you be using sources **other than** the manufacturer (or other seller) to deliver or arrange delivery of the items sold or leased? ☐ **YES[2]** ☐ **NO[3]**

[2] If your responses to 3 and 3.a) are "YES," you have indicated that your performance will satisfy the requirements of a distributor; therefore, the value of items sold or leased may be counted at 40%.

[3] If you responded "NO" to either 3 or 3.a), counting of your participation is limited to the reasonable cost of fees or commissions charged, including transportation charges for the delivery of materials or supplies; the cost of materials or supplies may not be counted.

I affirm that the information that I provided above is true and correct and that my company's subsequent performance of a commercially useful function will be consistent with the above responses. I further affirm that my company will independently negotiate price, order specified quantities, and pay for the items listed in the bidder's commitment. This includes my company's responsibility for the quality of such items in terms of necessary repairs, exchanges, or processing of any warranty claims for damaged or defective materials.

Printed Name and Signature of DBE Owner/Authorized Representative:

The bidder acknowledges its responsibility for verifying the information provided by the DBE named above and ensuring that the counting of the DBE's participation is accurate. Any shortfall caused by errors in counting are the responsibility of the bidder.

Printed Name and Signature of Bidder's Authorized Representative:

DISADVANTAGED BUSINESS ENTERPRISE (DBE) PROGRAM REQUIREMENTS FOR LOCAL PROGRAMS

1.0 Program Applicability. The subsequent sections will apply only to contracts involving U.S. Department of Transportation (USDOT) federal-aid or federal funded participation. Federal-aid or federal funded participation includes, but is not limited to, any funds directly or indirectly received by MoDOT, or authorized for distribution to or through MoDOT, by the USDOT or any operating administration within the USDOT. These provisions will not apply to contracts funded exclusively with state funds, or state and local funds. Any contractor, subcontractor, supplier, DBE firm, and contract surety involved in the performance of a federal-aid contract shall be aware of and fully understand the terms and conditions of the USDOT DBE Program, as the terms appear in Title 49 CFR Part 26 (as amended), the USDOT DBE Program regulations; Title 7 CSR Division 10, Chapter 8 (as amended), and the Commission's DBE Program rules.

2.0 DBE Program Distinguished From Other Affirmative Action Programs. The USDOT DBE Program established by the U.S. Congress is not the same as, and does not involve or utilize, any of the elements or authority of other state or local affirmative action programs, nor does the program rely upon state legislation or gubernatorial executive orders for implementation or authorization, other than the general authority given the Commission in Section 226.150, RSMo. The USDOT DBE Program is implemented by the Commission and MoDOT, through and in conjunction with the FHWA, FTA and FAA, as a "recipient" defined in Title 49 CFR 26.5.

3.0 Policy Regarding DBE Firms. It is the policy of the U. S. Department of Transportation and MoDOT that businesses owned by socially and economically disadvantaged individuals have an opportunity to participate in the performance of contracts funded in whole or in part with federal funds. Consequently, the requirements of 49 CFR Part 26 (as amended) and the Commission's implementing state regulations in Title 7 CSR Division 10, Chapter 8, "Disadvantaged Business Enterprise Program", will apply to any contract funded in whole or part with federal funds.

4.0 Opportunity for DBEs to Participate. Each contractor, subcontractor and supplier working on a contract funded in whole or in part with federal funds shall take all necessary and reasonable steps to ensure that DBEs have an opportunity to compete for and participate in performance on project contracts and subcontracts in which a DBE goal is established.

5.0 Required Contract Provision. The federal-aid contract will include the following provision, as mandated by USDOT at Title 49 CFR 26.13(b):

(a) The contractor, subrecipient or subcontractor shall not discriminate based on race, color, religion, national origin, or sex in the performance of the contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of USDOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of the contract, which may result in the termination of the contract or such other remedy, as the recipient deems appropriate.

In this provision, "contractor" will be defined as the contractor on the contract; sub-contractor, or material supplier performing the work on or for the project. For the purposes of any federal-aid contract awarded by the Local Public Agency (LPA), they will be designated as "the recipient". The contractor shall include this same contract provision in every supply contract or subcontract the contractor makes or executes.

6.0 DBE Program Information. DBE Program information may be obtained from the MoDOT Business Development & Compliance Division, 105 W. Capitol Avenue, P.O. Box 270, Jefferson City, Missouri 65102-0270. Phone (573) 751-7801, Fax (573) 526-0558, E-Mail: **dbe@modot.mo.gov.** It will be the duty of each contractor, and for the contractor's subcontractors to take the steps necessary to determine the legal obligations and limitations under the DBE Program, as an element of responsibility. It will be the duty of each certified DBE firm to know, understand and comply with the DBE firm's legal obligations and limitations under the DBE Program, as a requirement of program participation.

7.0 DBE Certification, and the Missouri Unified Certification Program. MoDOT and other certifying agencies within Missouri have partnered to form the Missouri Regional Certification Committee (MRCC) and developed a Unified Certification Program (UCP) pursuant to 49 CFR 26.81 and 7 CSR 10-8.061. Only DBE firms certified by the MRCC are eligible to perform work on a federal-aid contract for DBE contract goal credit. It is the contractor's responsibility to ensure firms identified for participation are approved certified DBE firms.

The MRCC DBE Directory can be found at the following link: https://www.modot.org/welcome-business-development-and-compliance

8.0 DBE Program-Related Certifications Made By Bidders and Contractors. If the bidder makes a written, express disclaimer of one or more certifications or assurances in the bid, the bid will be considered non-responsive. By submitting a bid on any project involving USDOT federal financial participation, and by entering into any contract on the basis of that bid, the contractor makes each of the following DBE Program-related certifications and assurances to USDOT, to the Commission, to MoDOT, and to the LPA:

(a) The bidder certifies that management and bidding officers have reviewed and understand the bidding and project construction and administration obligations of the USDOT DBE Program regulations at Title 49 CFR Part 26 (as amended), and the Commission's DBE Program rules at Title 7 CSR Division 10, Chapter 8 (as amended).

(b) The bidder agrees to ensure that certified DBE firms have a full and fair opportunity to participate in the performance of the contract financed in whole or in part with federal funds. The bidder certifies that all necessary and reasonable steps were taken to ensure that DBE firms have an opportunity to compete for, and perform work on the contract. The bidder further certifies that the bidder not discriminate on the basis of race, color, age, national origin or gender in the performance of the contract, or in the award of any subcontract.

(c) The bidder certifies that if awarded the federal-aid contract, the contractor will make a good faith effort to utilize certified DBE firms committed to with the awarded contract.

(d) The bidder certifies, that if awarded the federal-aid contract with an approved DBE Good Faith Effort, the bidder will at a minimum achieve any DBE participation committed at time of bid as well as make good faith efforts to obtain additional DBE participation throughout the life of the project. Any liquidated damages at the completion of the project will be assessed contingent on the awarded bidders efforts in obtaining DBE participation.

(e) The bidder understands and agrees that if awarded the contract the contractor is legally responsible to ensure that the contractor and each DBE, comply fully with all regulatory and

contractual requirements of the USDOT DBE Program, and that each DBE firm participating in the contract fully perform the designated tasks, with the DBE's own forces and equipment, under the DBE's own direct supervision and management. The bidder certifies, that if awarded the contract and if MoDOT or the Commission determine that the contractor, a DBE or any other firm retained by the contractor has failed to comply with the DBE Program requirements or federal or state DBE Program regulations, the Commission, through MoDOT, shall have the sole authority and discretion to determine the extent of the monetary value to which the DBE contract goals have not been met at the project completion, and to assess against and withhold monetary damages from the contractor up to the full amount of that breach. The bidder further understands and agrees that this clause authorizes the Commission, through MoDOT, to determine and fix the extent of the damages caused by a breach of any contractual or regulatory DBE Program requirement and that the damage assessment will be enforced in addition to, and not in lieu of, any other general liquidated damages clause in the contract. By submitting a bid for a federal-aid contract, the bidder irrevocably agrees to such an assessment of liquidated damages for DBE Program purposes, and authorizes the Commission and MoDOT to make such an assessment of liquidated damages against the contractor, and to collect that assessment from any sums due the contractor under the contract, or any other contract, or by other legal process. The bidder makes this certification, agreement and authorization on behalf of itself, for each federal-aid contract.

9.0 Designation of DBE firms to perform on contract. The bidder states and certifies that the DBE participation information submitted in the bid or within the contract designated time is true, correct and complete and that the information provided includes the names of all DBE firms that will participate in the contract, the specific line item (s) that each DBE firm will perform or partially perform, and the creditable dollar amounts of the participation of each DBE. The specific line item must reference the bid line number and item number contained in the proposal. The bidder further states and certifies that the bidder has committed to use each DBE firm listed for the work shown to meet the DBE contract goal and that each DBE firm listed has clearly confirmed to the bidder that the DBE firm will participate in and perform the work, with the DBE's own forces.

(a) The bidder certifies the bidder's understanding that as the contractor on a contract funded in whole or in part by USDOT federal funds, the bidder may not unilaterally terminate, substitute for, or replace any DBE firm that was designated in the executed contract, in whole or in any part, with another DBE, any non-DBE firm or with the contractor's own forces or those of an affiliate, without the prior written consent of MoDOT. The bidder understands it must receive approval in writing from MoDOT for the termination of a DBE firm, or the substitution or replacement of a DBE before any substitute or replacement firm may begin work on the project in lieu of the DBE firm participation information listed in the executed contract. Unless MoDOT's written consent is provided as outlined above, the bidder shall not be entitled to any payment of work or material unless it is performed or supplied by the listed DBE.

(1) The bidder further certifies understanding, that if a DBE firm listed in the bid or approved in the executed contract documents ceases to be a certified DBE firm, at any time during the performance of the contract work, and a contract or subcontract with that firm has not yet been executed by the prime and subcontractor, the contractor can not count any work performed by that firm after the date of the firm's loss of eligibility toward meeting the DBE contract goal. The contractor can pursue efforts to replace the work planned with the decertified firm, with other certified DBEs, in coordination with MoDOT's Business Development & Compliance Division. If the contractor has executed a subcontract with the firm before the DBE lost eligibility and ceased to be a certified DBE, the contractor may continue to receive credit toward the DBE contract goal for that firm's work on the executed subcontract. However, if the reason for the firm's DBE decertification is due to the firm being

acquired or merged with a non-DBE, the portion of the work remaining after the date of decertification is not eligible for counting towards the contract goal. In this case, the Contractor must seek additional DBE participation to the extent needed to meet the contract goal or demonstrate that it has made good faith efforts to do so. Subcontract extensions that add work for firms that become decertified from the DBE program may not count for DBE goal credit without MoDOT's prior written consent.

(2) The bidder further certifies the bidder's understanding, that the dollar value of any work completed by a DBE firm prior to approval of the DBE's substitution or replacement, in writing, by MoDOT will not be credited toward meeting the DBE contract goal. No credit toward the DBE goal will be given for any amount withheld from payment to the DBE or "back charged" against monies owed to the DBE, regardless of the purpose or asserted debt.

10.0 Contract Goal Submittal. The bidder may submit the completed "DBE Identification Submittal" information in the bid documents at the same time as, and within the sealed bid, at the time the bid is submitted. However, if that information is not completed and submitted with the initial sealed bid, then as a matter of responsiveness and responsibility, all bidders shall file the completed "DBE Identification Submittal" pages to the Local Agency on or before 4:00 p.m. of the third business day after the bid opening date. The Local Agency may permit telefax transmittal.

Any "DBE Identification Submittal" that identifies a DBE regular dealer or distributor must be accompanied by a "DBE Regular Dealer/Distributor Affirmation Form" that is completed and signed by both the bidder and the DBE. This form must be received on or before 4:00 p.m. of the third business day after the bid opening date.

No extension of time will be allowed for any reason. The means of transmittal and the risk of timely receipt of the information shall be the bidder's.

10.1 Good Faith Effort Submittal. If the bidder is not able to meet the Commission's DBE contract goal, the bidder has the opportunity to submit with and as a part of the bid, a true, accurate, complete and detailed written explanation of good faith efforts taken to meet the DBE Contract Goal established in the bid documents. The bidder shall use the "DBE Identification Submittal" sheets for any DBE participation that will be committed towards the goal and an explanation, with any supporting documentation, for the inability to meet the full goal established on the contract. Any Good Faith efforts shall be submitted as part of the bid or within the three business days after the bid opening.

10.2 Bidders Good Faith Efforts Described. MoDOT will consider the quality, quantity, and intensity of the different kinds of efforts that the bidder has made based upon 49 CFR Appendix A to Part 26 and the following additional efforts:

(a) Providing documentation on any and all past GFE activities for review.
(b) Past project DBE performance utilization.
(c) Race neutral methods utilized on completed projects.

All good faith efforts are evaluated on a case-by-case basis whereas any of the numerous good faith elements listed individually or collectively is not a guarantee of approval.

10.3 Administrative Reconsideration of the Bidder's Good Faith Efforts Made as a Part of the Bid Submittal. If MoDOT determines that the apparent low bidder has failed to adequately document in the bid that the bidder made a good faith effort to achieve sufficient DBE participation in the contract

work, that firm will be offered the opportunity for administrative reconsideration upon written request, before MoDOT and the Commission reject that bid as non-responsive.

10.4 Forfeiture of Bid Bond possible when: The failure of either the apparent low bidder to file the completed and executed "DBE Identification Submittal", listing actual, committed DBE participation equal to or greater than the DBE contract goal percentage specified in the bid by 4:00 p.m. on the third business day after the bid opening, will be cause for rejection of that bid. In addition, the bid surety bond or bid guaranty of the apparent low bidder will be forfeited to and become the property of the Local Agency upon demand, only if the contract is awarded.

(a) By submitting a bid on a federal-aid project, the bidder accepts and agrees to these provisions, and the disposition of the bidders bid bond or guaranty, upon demand by the Local Agency.

11.0 DBE Participation for Contract Goal Credit. Goal credit will be in accordance with 49 CFR 26.55 as outlined for the following DBE types:

- Subcontractor
- Manufacturer
- Regular Dealer
- Distributor
- Broker
- Trucker

12.0 DBE Required to Perform a Commercially Useful Function (CUF). The DBE CUF requirements are stated in 49 CFR Part 26, (26.55). Any questions or further information needed for CUF determinations should be directed to MoDOT's Business Development & Compliance Division.

12.1 Quality Control (QC) and Quality Assurance (QA) Reviews. The prime contractor shall monitor their planned DBE project usage for CUF compliance and provide MoDOT information for areas of concern for further evaluation. MoDOT will perform a QA review, or compliance review, for DBE CUF and project documentation retained by the contractor through project completion. The contractor shall maintain all DBE related information it has received, documented and provided to MoDOT for a period of three years beyond the date of final inspection. MoDOT's determination that a DBE's participation may not count toward the project goal, or good faith effort level approved will be subject to administrative reconsideration.

12.2 MoDOT Makes Final Determination On Whether a CUF Is Performed. MoDOT will have the final authority to determine whether a DBE firm has performed a CUF on a federal-aid contract.

13.0 Verification of DBE Participation at project completion. (Assessment of Liquidated Damages Possible)

13.1 Prior to final payment by the Local Agency, the contractor shall file with the Local Agency a detailed list showing each DBE used on the contract work, and the work performed by each DBE. The list shall show the actual dollar amount paid to each DBE for the creditable work on the contract, less any rebates, kickbacks, deductions, withholdings or other repayments made. The list shall be certified under penalty of perjury, or other law, to be accurate and complete. MoDOT and the Commission will use this certification and other information available to determine if the contractor

and the contractor's DBEs satisfied the DBE contract goal percentage specified in the contract and the extent to which the DBEs were fully paid for that work. The contractor shall acknowledge, by the act of filing the detailed list, that the information is supplied to obtain payment regarding a federal participation contract.

13.2 Failure on the part of the contractor to achieve the DBE participation to which the contractor committed in the contract may result in liquidated damages being imposed on the contractor by the Commission for breach of contract and for non-compliance. If the contract was awarded with less than the original DBE contract goal proposed by the Commission, the revised lower amount became the final DBE contract goal, and that goal will be used to determine any liquidated damages to be assessed. Additionally, the Commission or MoDOT may impose any other administrative sanctions or remedies available at law or provided by the contract in the event of breach by the contractor by failing to satisfy the contractor's DBE contract goal commitment. The contractor will be offered the opportunity for administrative reconsideration of any assessment of liquidated damages determined at the project completion, upon written request. The administrative reconsideration officer may consider all facts presented, including the legitimacy or business reason for back charges assessed against a DBE firm, in determining the final amount of liquidated damages.

14.0 Miscellaneous DBE Program Requirements. In accordance with Title 49 CFR Part 26 and the Commission's DBE Program rules in Title 7 CSR Division 10, Chapter 8, the contractor, for both the contractor and for the contractor's subcontractors and suppliers, whether DBE firms or not, shall commit to comply fully with the auditing, record keeping, confidentiality, cooperation and anti-intimidation or retaliation provisions contained in those federal and state DBE Program regulations. By bidding on a federal-aid contract, and by accepting and executing that contract, the contractor agrees to assume these contractual obligations, and to bind the contractor's subrecipients contractually, at the contractor's expense.

15.0 Bidders List Data Collection. MoDOT is a recipient of federal funds and is required by 49 CFR 26.11, to provide data about its DBE program. The information shall consist of the names of all DBE and non-DBE subcontractors, suppliers, manufacturers, distributors, or brokers for actual use and of consideration by the prime bidder. Forms are provided to bidders that specify all required data points. Failure to submit the required forms may deem the bid irregular.

JOB SPECIAL PROVISIONS

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Consultant Phone: (636) 519-0990

If a seal is present on this sheet, JSP's have been electronically sealed and dated.

JOB NUMBER: STP-4901(650)
CITY OF FLORISSANT
DATE PREPARED: April 20, 2026

ADDENDUM DATE:

Only the following items of the Job Special Provisions are authenticated by this seal: All

A. DEFINITIONS

1.0 The current edition of the St. Louis County Standard Specifications for Road and Bridge Construction as published by the St. Louis County Transportation Department (STLCO), have, for the purpose of this contract, been adopted as the PRIMARY technical specifications except as modified herein. These specifications are updated regularly online at www.stlouisco.com.

2.0 Unless otherwise stated, all references to "plans" refer to the construction plans provided with this contract. However, when unclear or other details are referenced, the St. Louis County Department of Transportation Standard Plans, as published on their website, shall govern.

3.0 All references to St. Louis County Standard Specifications refer to the latest edition of the St. Louis County Standard Specifications for Road and Bridge Construction. Specific references to this document are given as "Section XXX."

4.0 All references to the "Missouri Standard Specifications for Highway Construction" refer to the latest edition of that document. Specific references to this document are given as "MoDOT Section XXX".

5.0 Whenever the phrases or words "St. Louis County Transportation Department", "St. Louis County", "STLCO" or "County" appear in the Standard Specifications and the Job Special Provisions, both the phrases and the words shall be construed signifying the "City of Florissant" acting through the City Council.

6.0 Whenever the phrases or words "Chief Engineer," "Engineer," or "Director" appear in the Standard Specifications and the Job Special Provisions, both the phrases and the words shall be construed as signifying the "City of Florissant."

7.0 Whenever the words "State," "City," "County," or "District" appear in the Standard Specifications and the Job Special Provisions, they shall be construed as signifying the "City of Florissant."

8.0 The Summary of Quantities, which summarizes the quantities for this project, specifies the specification to be used for each bid item. Whenever information for a bid item is not found in the St. Louis County Standard Specifications, the most current edition of the Missouri Standard Specifications for Highway Construction by the Missouri Department of Transportation, shall be used in its place.

9.0 **Storm Sewer System and Appurtenances.** The latest edition of the Standard Construction Specifications for Sewers and Drainage Facilities as published by the Metropolitan St. Louis Sewer District, St. Louis, Missouri, have, for the purpose of this contract, been adopted as the technical specifications.

B. GENERAL – FEDERAL JSP-09-02L

1.0 **Description.** The Federal Government is participating in the cost of construction of this project. All applicable Federal laws, and the regulations made pursuant to such laws, shall be observed by the contractor, and the work will be subject to the inspection of the appropriate Federal Agency in the same manner as provided in Sec 105.10 of the Missouri Standard Specifications for Highway Construction with all revisions applicable to this bid and contract.

1.1 This contract requires payment of the prevailing hourly rate of wages for each craft or type of work required to execute the contract as determined by the Missouri Department of Labor and Industrial Relations and requires adherence to a schedule of minimum wages as determined by the United States Department of Labor. For work performed anywhere on this project, the contractor and the contractor's subcontractors shall pay the higher of these two applicable wage rates. State Wage Rates, Information on the Required Federal Aid Provisions, and the current Federal Wage Rates are available on the Missouri Department of Transportation web page at www.modot.org under "Doing Business with MoDOT", "Contractor Resources". Effective Wage Rates will be posted 10 days prior to the applicable bid opening. These supplemental bidding documents have important legal consequences. It shall be conclusively presumed that they are in the

bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

1.2 The following documents are available on the Missouri Department of Transportation web page at www.modot.org under "Doing Business with MoDOT"; “Standards and Specifications”. The effective version shall be determined by the letting date of the project.

General Provisions & Supplemental Specifications

Supplemental Plans to July 2025 Missouri Standard Plans
For Highway Construction

These supplemental bidding documents contain all current revisions to the published versions and have important legal consequences. It shall be conclusively presumed that they are in the bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

C. PROJECT CONTACT FOR CONTRACTOR / BIDDER QUESTIONS

1.0 All questions concerning this project shall be forwarded to the project contacts listed below.

Joe Vrabel
City of Florissant
955 St. Francois Street
Florissant, MO 63031
Phone: 314.839.7643
jvrabel@florissantmo.com

D. EMERGENCY PROVISIONS AND INCIDENT MANAGEMENT

1.0 The Contractor shall have communication equipment on the construction site or immediate access to other communication systems to request assistance from the police or other emergency agencies for incident management. In case of traffic accidents or the need for police to direct or restore traffic flow through the job site, the Contractor shall notify police or other emergency agencies immediately as needed. The Engineer's office shall also be notified when the Contractor requests emergency assistance.

2.0 In addition to the 911 emergency telephone number for ambulance, fire or police services, the following agencies may also be notified for accident or emergency situation within the project limits.

Missouri Highway Patrol:	**55 Regular Phone or Cell*
City of Florissant:	*314-839-7648*
Fire:	*314-837-4894*
Police:	*314-831-7000*

3.0 This list is not all inclusive. Notification of the need for wrecker or tow truck services will remain the responsibility of the appropriate police agency.

4.0 The Contractor shall notify enforcement and emergency agencies before the start of construction to request their cooperation and to provide coordination of services when emergencies arise during the construction at the project site. When the Contractor completes this notification with enforcement and emergency agencies, a report shall be furnished to the Engineer on the status of incident management.

5.0 No direct pay will be made to the Contractor to recover the cost of the communication equipment, labor, materials or time required to fulfill the above provisions.

E. UTILITIES

1.0 For informational purposes only, the following is a list of names, addresses, and telephone numbers of the known utility companies in the area of the construction work for this improvement:

Utility Name	Known Required Adjustment
Ameren Missouri – Electric Zak Kaller (636) 793-1487 zkaller@ameren.com	**Yes**
AT&T – Telephone Wade Weakley (636) 692-3326 ww8571@att.com	**No**
Charter Communications – Cable John Danowski (636) 262-0395 john.danowski@charter.com	**No**
Spire – Gas Nick Eggert (314) 330-5720 nicholas.Eggert@spireenergy.com	**No**
MCI / Verizon Domenic Nicastro (636) 459-1600 domenic.nicastro@verizon.com	**No**
Missouri American Water Dave Pruitt (314) 574-3601 Dave.Pruitt@amwater.com	**No**

1.1 Existing underground and above-grade facilities, structures, and utilities have been plotted on the contract documents based on the information and surveys available at the time of drawing preparation, the locations of these features must, therefore, be considered approximate, only. In addition, there may be other facilities, structures, and utilities which did not exist (or the existence of which was not known) at the time of drawing preparation. It is the sole responsibility of the contractors(s) to have **all** existing facilities, structures, and utilities located in the field prior to any excavation or construction activity; **and** to protect all such features (except those specifically noted for removal or demolition) during construction.

1.2 The contractor agrees that any effects of the presence of the utilities, their relocation, contractor's coordination of work with the utilities and any delay in utility relocation shall not be compensable as a suspension of work, extra work, a change in the work, as a differing site condition or otherwise including but, without limitation, delay, impact, incidental or consequential damages. The contractor's sole remedy for the effects of the presence of utilities, delay in their relocation or any other effects shall be an excusable delay as provided in Section 105.7.3. The contractor waives, for itself, its subcontractors and suppliers the compensability of the presence of utilities, delay in their relocation and any cost to the contractor, it's subcontractors and suppliers in any claim or action arising out of or in relation to the work

under the contract.

1.3 The contractor shall be solely responsible and liable for incidental and consequential damage to any utility facilities or interruption of the service caused by it or its subcontractors operation. The contractor shall hold and save harmless the Commission from damages to any utility facilities interruption of service by it or its subcontractor's operation.

2.0 Specific Requirements

2.1 Ameren Missouri. Ameren Missouri has overhead power lines on the south side of Mullanphy Road for the length of the project. Ameren Missouri has one power pole located at Sta. 153+50 RT in conflict with proposed improvements. Ameren plans to relocate the pole in conflict within the treelawn area. The pole will be relocated prior to construction. The contractor shall coordinate construction activities with Ameren Missouri.

2.2 AT&T. AT&T has buried fiber on both sides of Mullanphy starting at Sta. 106+91 and ending at Mullan Drive, Sta. 108+25, in addition to a buried 300 pair copper cable near Sta. 149+97 RT. AT&T has three aerial cables (one copper and two fiber) crossing Mullanphy Road near Sta. 157+50. AT&T has stated their facilities are clear of conflicts.

2.3 Charter Communications. Charter has stated their facilities are clear of conflicts.

2.4 Spire Gas. Spire has a 6-inch steel main under the eastbound lane pavement of Mullanphy Road for the length of the project, along with 2-inch spur lines at side streets. No conflict is anticipated with the gas mains. Various gas valves will be adjusted to grade by Spire. The contractor shall coordinate construction activities with Spire for the required adjustments.

2.5 MCI/Verizon. MCI/Verizon has underground facilities on crossing Mullanphy Road and Loveland Drive. MCI/Verizon facilities are clear of conflicts.

2.6 Missouri American Water. Missouri American Water has a water line under the westbound lane pavement of Mullanphy Road. No conflict is anticipated with the water line. Various water valves will be adjusted to grade by Missouri American Water Company. The contractor shall coordinate construction activities with Missouri American Water for the required adjustments.

2.7 The Contractor shall directly contact each utility contact to verify location of facilities, and shall coordinate construction activities with each utility. Prior to beginning work, the contractor shall request locates from Missouri One Call. The contractor shall also complete the Notice of Intent to Perform Work form located at the Missouri Department of Transportation website: http://www.modot.mo.gov/asp/intentToWork.shtml

2.8 The contractor shall submit the form over the web (preferred method) or by fax to the numbers on the printed form. The notice must be submitted a minimum of 2 and a maximum of 10 working days prior to excavation just as Missouri One Call requires.

F. SUPPLEMENTAL REVISIONS JSP-18-01KK

- Compliance with 2 CFR 200.216 – Prohibition on Certain Telecommunications and Video Surveillance Services or Equipment.

The Missouri Highways and Transportation Commission shall not enter into a contract (or extend or renew a contract) using federal funds to procure or obtain equipment, services, or systems that uses covered telecommunications equipment or services as substantial or as critical technology as part of any system where the video surveillance and telecommunications equipment was produced by Huawei Technologies Company, ZTE Corporation, Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).

- Stormwater Compliance Requirements

1.0 Description. This provision requires the contractor to provide a Water Pollution Control Manager (WPCM) for any project that includes land disturbance on the project site and the total area of land disturbance, both on the project site, and all Off-site support areas, is one (1) acre or more. Regardless of the area of Off-site disturbance, if no land disturbance occurs on the project site, these provisions do not apply. When a WPCM is required, all sections within this provision shall be applicable, including assessment of specified Liquidated Damages for failure to correct Stormwater Deficiencies, as specified herein. This provision is in addition to any other stormwater, environmental, and land disturbance requirements specified elsewhere in the contract.

1.1 Definitions. The project site is defined as all areas designated on the plans, including temporary and permanent easements. The project site is equivalent to the "permitted site", as defined in MoDOT's State Operating Permit. An Off-site area is defined as any location off the project site the contractor utilizes for a dedicated project support function, such as, but not limited to, staging area, plant site, borrow area, or waste area.

1.2 Reporting of Off-Site Land Disturbance. If the project includes any planned land disturbance on the project site, prior to the start of work, the contractor shall submit a written report to the engineer that discloses all Off-site support areas where land disturbance is planned, the total acreage of anticipated land disturbance on those sites, and the land disturbance permit number(s). Upon request by the engineer, the contractor shall submit a copy of its land disturbance permit(s) for Off-site locations. Based on the total acreage of land disturbance, both on and Off-site, the engineer shall determine if these Stormwater Compliance Requirements shall apply. The Contractor shall immediately report any changes to the planned area of Off-site land disturbance. The Contractor is responsible for obtaining its own separate land disturbance permit for Off-site areas.

2.0 Water Pollution Control Manager (WPCM). The Contractor shall designate a competent person to serve as the Water Pollution Control Manager (WPCM) for projects meeting the description in Section 1.0. The Contractor shall ensure the WPCM completes all duties listed in Section 2.1.

2.1 Duties of the WPCM:

(a) Be familiar with the stormwater requirements including the current MoDOT State Operating Permit for construction stormwater discharges/land disturbance activities; MoDOT's statewide Stormwater Pollution Prevention Plan (SWPPP); the Corps of Engineers Section 404 Permit, when applicable; the project specific SWPPP, the Project's Erosion & Sediment Control Plan; all applicable special provisions, specifications, and standard drawings; and this provision;

(b) Successfully complete the MoDOT Stormwater Training Course within the last 4 years. The MoDOT Stormwater Training is a free online course available at MoDOT.org;

(c) Attend the Pre-Activity Meeting for Grading and Land Disturbance and all subsequent Weekly Meetings in which grading activities are discussed;

(d) Oversee and ensure all work is performed in accordance with the Project-specific SWPPP and all updates thereto, or as designated by the engineer;

(e) Review the project site for compliance with the Project SWPPP, as needed, from the start of any grading operations until final stabilization is achieved, and take necessary actions to correct any known deficiencies to prevent pollution of the waters of the state or adjacent property owners prior to the engineer's weekly inspections;

(f) Review and acknowledge receipt of each MoDOT Inspection Report (Land Disturbance Inspection Record) for the Project within forty eight (48) hours of receiving the report and ensure that all Stormwater Deficiencies noted on the report are corrected as soon as possible, but no later than stated in Section 5.0.

3.0 Pre-Activity Meeting for Grading/Land Disturbance and Required Hold Point. A Pre-Activity meeting for grading/land disturbance shall be held prior to the start of any land disturbance operations. No land disturbance operations shall commence prior to the Pre-Activity meeting except work necessary to install perimeter controls and entrances. Discussion items at the pre-activity meeting shall include a review of the Project SWPPP, the planned order of grading operations, proposed areas of initial disturbance, identification of all necessary BMPs that shall be installed prior to commencement of grading operations, and any issues relating to compliance with the Stormwater requirements that could arise in the course of construction activity at the project.

3.1 Hold Point. Following the pre-activity meeting for grading/land disturbance and subsequent installation of the initial BMPs identified at the pre-activity meeting, a Hold Point shall occur prior to the start of any land disturbance operations to allow the engineer and WPCM the time needed to perform an on-site review of the installation of the BMPs to ensure compliance with the SWPPP is met. Land disturbance operations shall not begin until authorization is given by the engineer.

4.0 Inspection Reports. Weekly and post run-off inspections will be performed by the engineer and each Inspection Report (Land Disturbance Inspection Record) will be entered into a web-based Stormwater Compliance database. The WPCM will be granted access to this database and shall promptly review all reports, including any noted deficiencies, and shall acknowledge receipt of the report as required in Section 2.1 (f.).

5.0 Stormwater Deficiency Corrections. All stormwater deficiencies identified in the Inspection Report shall be corrected by the contractor within 7 days of the inspection date or any extended period granted by the engineer when weather or field conditions prohibit the corrective work. If the contractor does not initiate corrective measures within 5 calendar days of the inspection date or any extended period granted by the engineer, all work shall cease on the project except for work to correct these deficiencies, unless otherwise allowed by the engineer. All impact costs related to this halting of work, including, but not limited to stand-by time for equipment, shall be borne by the Contractor. Work shall not resume until the engineer approves the corrective work.

5.1 Liquidated Damages. If the Contractor fails to complete the correction of all Stormwater Deficiencies listed on the MoDOT Inspection Report within the specified time limit, the Commission will be damaged in various ways, including but not limited to, potential liability, required mitigation, environmental clean-up, fines, and penalties. These damages are not reasonably capable of being computed or quantified. Therefore, the contractor will be charged with liquidated damages specified in the amount of $2,000 per day for failure to correct one or more of the Stormwater Deficiencies listed on the Inspection Report within the specified time limit. In addition to the stipulated damages, the stoppage of work shall remain in effect until all corrections are complete.

6.0 Basis of Payment. No direct payment will be made for compliance with this provision.

- ***Delete Sec 106.9 in its entirety and substitute the following:***

106.9 Buy America Requirements.
Buy America Requirements are waived if the total amount of Federal financial assistance applied to the project, through awards or subawards, is below $500,000.

106.9.1 Buy America Requirements for Iron or Steel Products.
The contractor's attention is directed to Title 23 CFR 635.410 *Buy America Requirements*. Where articles, materials or supplies that consist wholly or predominantly of iron or steel or a combination of both are to be

permanently incorporated into the contract work, steel and iron material shall be manufactured, from the initial melting stage through the application of coatings, in the USA except for “minimal use” as described herein. Predominantly of iron or steel or a combination of both means that the cost of the iron and steel content exceeds 50 percent of the total cost of all its components. Under a general waiver from FHWA the use of pig iron and processed, pelletized, and reduced iron ore manufactured outside of the USA will be permitted in the domestic manufacturing process for steel or iron material.

106.9.1.1 Any sources other than the USA as defined will be considered foreign. The required domestic manufacturing process shall include formation of ingots and any subsequent process. Coatings shall include any surface finish that protects or adds value to the product.

106.9.1.2 “Minimal use” of foreign steel, iron or coating processes will be permitted, provided the cost of such products does not exceed 1/10 of one percent (0.1 percent) of the total contract cost or $2,500.00, whichever is greater. If foreign steel, iron, or coating processes are used, invoices to document the cost of the foreign portion, as delivered to the project, shall be provided and the engineer’s written approval obtained prior to placing the material in any work.

106.9.1.3 Buy America requirements include a step certification for all fabrication processes of all steel or iron materials that are accepted per Sec 1000. The AASHTO Product Evaluation and Audit Solutions compliance program verifies that all steel and iron products fabrication processes conform to 23 CFR 635.410 Buy America Requirements and is an acceptable standard per 23 CFR 635.410(d). AASHTO Product Evaluation and Audit Solutions compliant suppliers will not be required to submit step certification documentation with the shipment for some selected steel and iron materials. The AASHTO Product Evaluation and Audit Solutions compliant supplier shall maintain the step certification documentation on file and shall provide this documentation to the engineer upon request.

106.9.1.3.1 Items designated as Category 1 will consist of steel girders, piling, and reinforcing steel installed on site. Category 1 items require supporting documentation prior to incorporation into the project showing all steps of manufacturing, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410 Buy America Requirements. This includes the Mill Test Report from the original producing steel mill and certifications documenting the manufacturing process for all subsequent fabrication, including coatings. The certification shall include language that certifies all steel and iron materials permanently incorporated in this project was procured and processed domestically and all manufacturing processes, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410.

106.9.1.3.2 Items designated as Category 2 will include all other steel or iron products not in Category 1 and permanently incorporated in the project. Category 2 items shall consist of, but not be limited to items such as fencing, guardrail, signing, lighting and signal supports. The prime contractor is required to submit a material of origin form certification prior to incorporation into the project from the fabricator for each item that the product is domestic. The Certificate of Materials Origin form (link to certificate form) from the fabricator must show all steps of manufacturing, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410 Buy America Requirements and be signed by a fabricator representative. The engineer reserves the right to request additional information and documentation to verify that all Buy America requirements have been satisfied. These documents shall be submitted upon request by the engineer and retained for a period of 3 years after the last reimbursement of the material.

106.9.1.3.3 Any minor miscellaneous steel or iron items that are not included in the materials specifications shall be certified by the prime contractor as being procured domestically. Examples of these items would be bolts for sign posts, anchorage inserts, etc. The certification shall read “I certify that all steel and iron materials permanently incorporated in this project during all manufacturing processes, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410 Buy America Requirements procured and processed domestically in accordance with CFR Title 23 Section 635.410 Buy America Requirements. Any foreign steel used was submitted and accepted under minor usage”. The certification shall be signed by an authorized representative of the prime contractor.

106.9.1.4 When permitted in the contract, alternate bids may be submitted for foreign steel and iron products. The award of the contract when alternate bids are permitted will be based on the lowest total bid of the contract based on furnishing domestic steel or iron products or 125 percent of the lowest total bid based on furnishing foreign steel or iron products. If foreign steel or iron products are awarded in the contract, domestic steel or iron products may be used; however, payment will be at the contract unit price for foreign steel or iron products.

106.9.2 Buy America Requirements for Construction Materials other than iron or steel products.
Construction materials mean articles, materials, or supplies that consist of only one of the items listed. Minor additions of articles, materials, supplies, or binding agents to a construction material do not change the categorization of the construction material. Upon request by the engineer, the contractor shall submit a domestic certification for all construction materials listed that are incorporated into the project.

(a) Non-ferrous metals
(b) Plastic and Polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables)
(c) Glass (including optic glass)
(d) Fiber optic cable (including drop cable)
(e) Optical fiber
(f) Lumber
(g) Engineered wood
(h) Drywall

106.9.3 Buy America Requirements for Manufactured Products.
Manufactured products mean articles, materials or supplies that have been processed into a specific form and shape, or combined with other articles, materials or supplies to create a product with different properties than the individual articles, materials or supplies. If an item is classified as an iron or steel product, an excluded material, or other product category as specified by law or in 2 CFR part 184, then it is not a manufactured product. However, an article, material or supply classified as a manufactured product may include components that are iron or steel products, excluded materials, or other product categories as specified by law or in 2 CFR part 184. Mixtures of excluded materials delivered to a work site without final form for incorporation into a project are not a manufactured product.

106.9.3.1 Produced in the United States, in the case of manufactured products, means:
(A) For projects obligated on or after October 1, 2025, the product was manufactured in the United States; and
(B) For projects obligated on or after October 1, 2026, the product was manufactured in the United States and the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States is greater than 55 percent of the total cost of all components of the manufactured product.

106.9.3.2 (i) With respect to precast concrete products that are classified as manufactured products, components of precast concrete products that consist wholly or predominantly of iron or steel or a combination of both shall meet the requirements of paragraph (b) of this section. The cost of such components shall be included in the applicable calculation for purposes of determining whether the precast concrete product is produced in the United States.
(ii) With respect to intelligent transportation systems and other electronic hardware systems that are installed in the highway right of way or other real property and classified as manufactured products, the cabinets or other enclosures of such systems that consist wholly or predominantly of iron or steel or a combination of both shall meet the requirements of paragraph (b) of this section. The cost of cabinets or other enclosures shall be included in the applicable calculation for purposes of determining whether systems referred to in the preceding sentence are produced in the United States.

106.9.4 Waiver for De Minimis Costs for Manufactured and Construction Materials other than iron or steel products.
"The total value of the non-compliant products is no more than the lesser of $1,000,000 or 5% of total applicable costs for the project." The contractor shall submit to the engineer any non-domestic materials and

their total material cost to the engineer. The contractor and the engineer will both track these totals to assure that the minimal usage allowance is not exceeded.

- Third-Party Test Waiver for Concrete Aggregate

1.0 Description. Third party tests may be allowed for determining the durability factor for concrete pavement and concrete masonry aggregate.

2.0 Material. All aggregate for concrete shall be in accordance with Sec 1005.

2.1 MoDOT personnel shall be present at the time of sampling at the quarry. The aggregate sample shall be placed in an approved tamper-evident container (provided by the quarry) for shipment to the third-party testing facility.

2.2 AASHTO T 161 Method B Resistance of Concrete to Rapid Freezing and Thawing, shall be used to determine the aggregate durability factor. All concrete beams for testing shall be 3-inch wide by 4-inch deep by 16-inch long or 3.5-inch wide by 4.5-inch deep by 16-inch long. All beams for testing shall receive a 35-day wet cure fully immersed in saturated lime water prior to initiating the testing process.

2.3 Concrete test beams shall be made using a MoDOT approved concrete pavement mix design.

3.0 Testing Facility Requirements. All third-party test facilities shall meet the requirements outlined in this provision.

3.1 The testing facility shall be AASHTO accredited.

3.1.1 For tests ran after January 1, 2025, accreditation documentation shall be on file with the Construction and Materials Division prior to any tests being performed.

3.1.2 Construction and Materials Division may consider tests completed prior to January 1, 2025, to be acceptable if all sections of this provision are met, with the exception of 3.1.1. Accreditation documentation shall be provided with the test results for tests completed prior to January 1, 2025. No tests completed prior to September 1, 2024, will be accepted.

3.2 The testing facility shall provide their testing process, list of equipment, equipment calibration documentation, and testing certifications or qualifications of technicians performing the AASHTO T 161 Procedure B tests. The testing facility shall provide details on their freezing and thawing apparatus including the time and temperature profile of their freeze-thaw chamber. The profile shall include the temperature set points throughout the entirety of the freeze-thaw cycle. The profile shall show the cycle time at which the apparatus drains/fills with water and the cycle time at which the apparatus begins cooling the specimens.

3.3 Results, no more than five years old, from the third-party test facility shall compare within ±2.0 percent of an independent test from another AASHTO accredited test facility or with MoDOT test records, in order to be approved for use (e.g. test facility results in a durability factor of 79, MoDOT's recent durability test factor is 81; this compared within +2 percent). The independent testing facility shall be in accordance with this provision. The comparison test can be from a different sample of the same ledge combination.

3.4 When there is a dispute between the third party durability test results and MoDOT durability test results, the MoDOT durability test result shall govern.

3.5 Test results shall be submitted to MoDOT's Construction and Materials division electronically for final approval. Test results shall include raw data for all measurements of relative dynamic modulus of elasticity and percent length change for each individual concrete specimen. Raw data shall include initial measurements made at zero cycles and every subsequent measurement of concrete specimens. Raw data shall include the cycle count and date each measurement was taken. Test results shall also include

properties of the concrete mixture as required by AASHTO T 161. This shall include the gradation of the coarse aggregate sample. If AASHTO T 152 is used to measure fresh air content, then the aggregate correction factor for the mix determined in accordance with AASHTO T 152 shall also be included.

4.0 Method of Measurement. There is no method of measurement for this provision. The testing requirements and number of specimens shall be in accordance with AASHTO T 161 Procedure B.

5.0 Basis of Payment. No direct payment will be made to the contractor or quarry to recover the cost of aggregate samples, sample shipments, testing equipment, labor to prepare samples or test samples, or developing the durability report.

- ***Delete paragraph 15.0 of the General Provision Disadvantaged Business Enterprise (DBE) Program Requirements and substitute the following*:**

15.0 Bidder's List Quote Summary. MoDOT is a recipient of federal funds and is required by 49 CFR 26.11 to provide data about its DBE program. All bidders who seek to work on federally assisted contracts must submit data about all DBE and non-DBEs in accordance with Sec 102.7.9. MoDOT will not compare the submitted Bidder's List Quote Summary to any other documents or submittals, pre or post award. All information will be used by MoDOT in accordance with 49 CFR 26.11 for reporting to USDOT and to aid in overall DBE goal setting**.**

- ***Add Sec 102.7.9 to include the following:***

102.7.9 Bidder's List Quote Summary. Each bidder shall submit with each bid a summary of all subcontractors, material suppliers, and service providers (e.g. hauling) considered on federally funded projects pursuant to 49 CFR 26.11. The bidder will provide the firm's name, the corresponding North American Industry Classification System (NAICS) code(s) the firm(s) were considered for, and whether or not they were used in the bid. The information submitted should be the most complete information available at the time of bid. The information shall be disclosed on the Bidder's List Quote Summary form provided in the bidding documents and submitted in accordance with Sec 102.10. Failure to disclose this information may result in a bid being declared irregular.

G. SUBMITTALS AND SHOP DRAWINGS

1.0 In all cases where details or shop drawings are required, the Contractor shall submit electronic copies to the City for review thirty (30) days before any of the work is begun, or earlier to prevent delay of the work. The Engineer shall return shop drawings marked with corrections and changes within fourteen (14) calendar days of the submittal. Should extensive changes be necessary, corrected drawings shall be submitted for final review. The final reviewed drawings will be submitted to the City and the Contractor.

2.0 The Contractor shall thoroughly review the shop drawings for compliance with the contract drawings and specifications before submitting them to the City. The shop drawings shall be stamped "reviewed" by the Contractor before submitting them to the City.

3.0 When it is required to submit material or equipment, shop drawings, manufacturer's brochures, or samples for review, said submittals are to be made to the City through the general Contractor. Each item submitted for approval must be identified by reference to specification paragraph number and/or plan drawing number. If the item described or submitted is not exactly as specified by the plans and/or specifications, the procedure shall be as follows:

> With the submittal the Contractor shall state in writing that the item is not exactly as specified by the plans and/or specifications and he shall state the difference. A copy of the shop drawings, manufacturer's brochures, or samples shall be submitted to

the City. The City will then evaluate the submittal and will transmit the accepted or rejected submittal to the Contractor.

4.0 When substitutions for the specified items are approved, the submitting Contractor will be responsible for all costs incurred due to the changes from plans and/or specifications. This includes additional design costs, material and equipment costs and any appurtenant cost that may be incurred by other trades.

5.0 The City and/or the design engineer will be not be responsible for errors in the shop drawings which their examination and scrutiny may have failed to detect, and the Contractor shall be absolutely responsible for the correctness of the drawings furnished by him or his subcontractors.

6.0 Within two (2) weeks after signing the contract between the City and the Contractor, the Contractor shall submit a complete list of shop drawings and samples for items of work and the approximate dates on which they will be submitted for approval. The Contractor's first payment can be withheld if this requirement is not met.

7.0 The following shop drawings (SD) and/or manufacturers data submittals shall be required:

All Sewer Structures
Aggregates
Concrete Mix Design(s)
Asphalt Mix Design(s)
Grouting or Sand-Cement Backfill
Sign Materials
Concrete Reinforcing Steel
Curing Compound
Retaining Wall
Seed Mix/Sod
Detectable Warning Surface
Pavement Markings
Aggregates
Joint Sealant
Geotextile Fabrics

Other items as required by the specifications or as requested by the City, including but not limited to:
Disposal Site Information
Resident Notification Form Letter/Door Hanger
Permits (MSD, St. Louis County, DNR)

H. PERMITS

1.0 The Contractor is responsible for acquiring any and all necessary project related permits to carry out the work. Known permits required are;

(a) MSD Construction Permit - Installation, replacement and adjustment of storm and sanitary facilities, as necessary

2.0 No direct pay shall be provided for any labor, equipment, time, materials, or costs necessary to complete this work. The Contractor shall have no claim, or basis for any claim or suit whatsoever, resulting from compliance with this provision.

I. PROGRESS SCHEDULE

1.0 Description. Section 108.4 of the Standard Specification shall be supplemented as follows:

1.1 The initial schedule to be submitted at or prior to the pre-construction meeting shall include a detailed work schedule for the area on a work week calendar, indicating the timing for placement of traffic control devices, pavement breaking, removals, placement of rock base, concrete placement, backfill, drive construction, seeding, crack sealing, and opening to traffic for each project phase. In no case shall the Contractor deliver notices, break pavement or initiate excavations until approval is given by the Engineer, and

the utility companies have been given adequate notice and provided physical markings indicating the location of underground facilities.

1.2 The Contractor shall provide the Engineer with scheduled work projections on a weekly basis. These projections shall address the anticipated work for the upcoming two (2) week period. The Contractor shall not commence work in any area unless previously submitted to the Engineer in the weekly projections and updates. These schedules are to be the basis upon which the Engineer will keep the public and emergency personnel informed. It is not the intent of these projections to limit or control the Contractor's operations. It is an essential term of this contract however, to limit the number of open excavations and traffic hazards to ensure prompt and efficient closure of construction areas.

2.0 Basis of Payment. No direct pay shall be provided for any labor, equipment, time, or materials necessary to complete this work. The Contractor shall have no claim, or basis for any claim or suit whatsoever, resulting from compliance with this provision.

J. CONTRACTOR SURVEYING AND STAKING

1.0 Description. This work shall consist of providing the necessary surveying and staking for the successful prosecution of the work.

2.0 Pre-Construction Survey. Prior to commencing any work the Contractor shall thoroughly inspect and document the project site conditions with color photographs and/or videos. The photographs and/or video shall include all proposed work areas including but not limited to roadway, utilities, drives, mailboxes, sidewalk, landscaping, trees, etc. The inspection shall be done jointly by the Contractor, City, and/or the City's representative. This inspection will serve as evidence in determining the extent of any damage resulting from the construction operations and are for the protection of the Contractor and City. This information will also be utilized to guide final restoration for the project.

3.0 Staking Requirements. Staking work shall be in accordance with general accepted surveying practices and provisions of the contract. The MoDOT's current Engineering Policy Guide (EPG), 238.4, may be used as guidance and is available on MoDOT's web site.

3.1 The Contractor shall preserve all right of way monuments, benchmarks control points and reference marks set by the Engineer. If any monumentation is damaged, destroyed or disturbed by the Contractor, the cost of replacement will be at the Contractor's expense and will be deducted from the payment for the work.

3.2 All surveying shall be documented by the Contractor in a written form acceptable to the Engineer. During performance of the work, all surveying documents shall be available and supplied to the Engineer upon request, at the Contractor's expense. All documents shall be labeled with the project name, project number, county, municipality, Contractor name, survey party supervisor and date.

3.3 The Engineer will furnish and set control points with known coordinates. The Engineer will furnish all coordinate data to lay out the job and locate benchmarks as shown on the plans. The Contractor shall provide all other staking necessary for the successful prosecution of the work. All alignment control established by the Contractor shall be referenced, and a copy of the references shall be furnished to the Engineer.

3.4 Any surveying or measurements necessary for computing pay quantities will be performed by the Engineer. The Contractor shall notify the Engineer at least two working days prior to disturbing any areas used to calculate pay quantities.

3.5 All surveying work performed by the Contractor shall be sufficient and accurate to construct the work in accordance with the contract documents. Any delays or additional costs to the project which result from insufficient or inaccurate staking or time lost for corrective action will be considered as a non-excusable and non-compensable delay.

3.6 The construction centerline shown on the plans shall be accurately established and the control points of all curves shall be referenced. If it is necessary to introduce an equation in order to match the plan stationing or if a plan equation is changed, such changes will be at the written direction of the Engineer.

3.7 Adjustments necessary to provide accurate staking or match improvements to existing features shall be immediately brought to the attention of the Engineer. The Engineer will determine the nature of the discrepancy and will make revisions, as necessary. The Contractor shall perform any re-staking required by such revisions. Any reimbursement due to the Contractor for additional staking due to design errors will be in accordance with MoDOT Section 109.4.3.

3.8 After the centerline has been established and referenced, centerline elevations shall be taken at all stations and at any other points required to ensure the computation of accurate quantities. Centerline elevations shall be based on the plan datum. All benchmarks shown on the plans shall be checked.

3.9 In the event a difference of plus or minus 0.01 foot exists in elevation for any benchmark shown on the plans, check levels shall be run and shown in the notes. The elevations shall be corrected to plan elevation at each benchmark where any difference occurs, and shall be noted in the field notes. If a plan benchmark has been disturbed or if correction of the plan elevation is not feasible, a full explanation shall be made in the notes. The Contractor shall furnish to the Engineer a listing of benchmarks prior to beginning construction.

3.10 If original plan cross sections differ from existing conditions by an average deviation in excess of one foot, the Contractor shall immediately notify the Engineer. The Engineer will be responsible for taking cross-sections where deviations are determined to exist.

3.11 After completing any bridge, box culvert or retaining wall staking, the Contractor shall furnish to the Engineer structural layout plan sheets which show the location of all points that have been staked. At the time of furnishing the marked layout sheets, the Contractor shall meet with the engineer to review the layout a minimum of two working days before construction begins.

3.12 Upon completion of the project, the Contractor shall provide to the engineer all original surveying field notes, layouts and computations in standard bound survey notebooks or in a form acceptable to the Engineer.

3.13 Finish grade stakes for the sidewalk shall be set to 25-foot intervals.

4.0 Method of Measurement. The work provided in accordance with MoDOT Section 105.8.2 will not be measured for payment, but will be considered a lump sum unit.

5.0 Basis of Payment. Contractor surveying and staking will be paid for at the contract lump sum price and will be considered full compensation for the following:

(a) Performing this work.
(b) All material, labor, tools, equipment and incidentals necessary to complete the work.
(c) For all effects, impacts, cumulative impacts, incidental and consequential costs, loss or damage arising from, relating to or produced by error or discrepancies in surveys or staking and plans based on such surveys or staking, and any cost, including time effects, to correct the errors or discrepancies.

5.1 Payment for Contractor surveying and staking completed, not to exceed the contract item amount, will be made upon written request by the Contractor. Such a request shall be submitted to the Engineer two business days prior to the progress estimate date.

5.2 Complete payment will not be made until the Contractor has provided all of the original surveying field notes, layouts, computations and notebooks to the Engineer.

K. REMOVAL OF IMPROVEMENTS

1.0 Section 202.20 of the Standard Specification shall be amended as follows:

1.1 Description.

1.1.1 Full depth sawcutting shall be required at the limits of all pavement removal. Extreme care shall be exercised to avoid damage to adjacent pavement to remain in place. The sawcut shall be vertical and shall result in a straight, clean and neat edge of uniform appearance. Liquid residue resulting from the sawcutting shall be immediately and completely washed from the pavement.

1.1.2 During breaking of concrete pavement, the Contractor shall not break the pavement within two (2) feet of the marked location of any gas line. The pavement spanning the gas line shall be lifted in one piece and adequate depth to the gas line shall be verified by hand digging. The Contractor is responsible for all overbreakage. Slabs (pavement and sidewalk) that are damaged by overbreakage shall be removed and replaced at the Contractor's expense.

1.1.3 Materials removed shall be hauled from the site and disposed of at a location so as to not violate local, state, or federal laws, regulations, or ordinances, nor create a liability for the City. The Contractor shall indemnify and hold the City harmless for any costs or liability for failure to comply with any such local, state, or federal laws, regulations, or ordinances. All disposal costs are incidental to the contract work. There is no separate pay item for this work.

1.1.4 The Contractor shall provide the Engineer with the address of the disposal site(s) and the name of the property owner at least three (3) days prior to the start of pavement removal. If the disposal site is not a previously licensed landfill, the Contractor shall provide evidence of Municipal and/or County permits, as necessary, as well as a written acknowledgement by the owner that he has approved the placement of material on the specified property prior to any disposal in said site.

2.0 Method of Measurement. This work provided herein will not be measured and shall be provided as a lump sum for Removal of Improvements.

3.0 Basis of Payment.

3.1 Payment for removal of flexible pavement, rigid pavement, base course, curb and gutter, sawcutting, signs, guardrail, storm drainage items, sanitary sewer items, gravel, and fencing will be made at the contract lump sum price for Removal of Improvements. All pay items described in this section shall include all labor, materials, equipment and tools necessary to remove all items as shown on the plans or as designated by the Engineer. Incremental payments can be made at a percentage equal to the amount of work completed on the project.

L. WORK ZONE TRAFFIC MANAGEMENT PLAN

1.0 Description. Work zone traffic management shall be in accordance with applicable portions of Division 100 and Division 600 of the Standard Specifications, and specifically as follows.

2.0 Traffic Management Schedule.

2.1 Traffic management schedules shall be submitted to the engineer for review prior to the start of work and prior to any revisions to the traffic management schedule. The traffic management schedule shall include the proposed traffic control measures, hours traffic control will be in place, and work hours.

2.2 The contractor shall notify the engineer prior to lane closures or shifting traffic onto detours.

2.3 The engineer shall be notified as soon as practical of any postponement due to weather, material or other circumstances.

2.4 In order to ensure minimal traffic interference, the contractor shall schedule lane closures for the absolute minimum amount of time required to complete the work. Lanes shall not be closed until material is available for continuous construction and the contractor is prepared to diligently pursue the work until the closed lane is opened to traffic.

2.5 Traffic Congestion. The contractor shall, upon approval of the engineer, take proactive measures to reduce traffic congestion in the work zone.

2.5.1 Traffic Delay. The contractor shall be responsible for maintaining the existing traffic flow through the job site during construction. If disruption of the traffic flow occurs and traffic is backed up in queues of 10-minute delays or longer, then the contractor shall review the construction operations which contributed directly to disruption of the traffic flow and make adjustments to the operations to prevent the queues from occurring again. Interruption of traffic will only be allowed between the hours of 9:00 am and 2:00 pm. Traffic interruptions shall be kept to a minimum and all interruptions must be pre-approved by the City 24 hours in advance of interruption.

2.5.2 Traffic Safety.

2.5.2.1 When a traffic queue extends within 500 feet (150 m) of the ROAD WORK AHEAD, or similar, sign due to non-recurring congestion, the contractor shall deploy a means of providing advance warning of the traffic congestion, as approved by the engineer. The warning location shall be no less than 500 feet (150 m) and no more than 0.5 mile (0.8 km) in advance of the end of the traffic queue.

3.0 Work Hour Restrictions.

3.1 Except for emergency work, as determined by the engineer, and long term lane closures required by project phasing, all lanes shall be scheduled to be open to traffic during the five major holiday periods shown below, from 12:00 noon on the last working day preceding the holiday until 6:00 a.m. on the first working day subsequent to the holiday unless otherwise approved by the engineer.

Memorial Day
Labor Day
Thanksgiving
Christmas
New Year's Day

3.1.1 Independence Day. The lane restrictions specified in Section 3.1 shall also apply to Independence Day, except that the restricted periods shall be as follows:

When Independence Day falls on:	The Holiday is Observed on:	Halt Lane Closures beginning at:	Allow Lane Closures to resume at:
Sunday	Monday	Noon on Friday	6:00 a.m. on Tuesday
Monday	Monday	Noon on Friday	6:00 a.m. on Tuesday
Tuesday	Tuesday	Noon on Monday	6:00 a.m. on Wednesday
Wednesday	Wednesday	Noon on Tuesday	6:00 a.m. on Thursday
Thursday	Thursday	Noon on Wednesday	6:00 a.m. on Friday
Friday	Friday	Noon on Thursday	6:00 a.m. on Monday
Saturday	Friday	Noon on Thursday	6:00 a.m. on Monday

3.2 Except for emergency work, as determined by the engineer, the contractor shall not perform any construction operation on the roadway, including the hauling of material within the project limits, during restricted periods, holiday periods or other special events specified in the contract documents.

3.3 Working hours for the project shall be considered to be 7:00 a.m. to 6:00 p.m. Monday through Friday. It shall be the responsibility of the engineer to determine if the above work hours may be modified. Working hours for evenings, weekends and holidays will be determined by the engineer.

4.0 Basis of Payment. No direct payment will be made to the contractor to recover the cost of equipment, labor, materials or time required to fulfill the above provisions, unless specified elsewhere in the contract document.

M. TEMPORARY TRAFFIC CONTROL DEVICES

Delete Sec. 612.3.1, and substitute the following:

612.3.1 Barricades (Moveable, Temporary, and Permanent). All barricades shall meet the most recent requirements of the Manual on Uniform Traffic Control Devices. The contractor shall provide and maintain barricades in good condition throughout the duration of the contract. At a minimum, the number and location of traffic control and safety devices will meet the standard requirements of the Manual on Uniform Traffic Control Devices.

Delete Sec. 612.4 Plans and Quantities, and substitute the following:

612.4 Plans and Quantities. The plans will show the type and location of traffic control devices necessary to complete the work. The contractor is responsible to furnish, install and maintain all advance warning and detour signing. All traffic control devices and layout shall conform to the latest edition of the Manual of Uniform Control Devices (MUTCD).

Any device that becomes damaged or rendered unserviceable shall be promptly repaired or replaced by the contractor as directed by the engineer. No direct payment will be made for repair or replacement of traffic control facilities as a result of compliance with this provision.

No direct payment will be made for repair or replacement of traffic control facilities as a result of compliance with this provision.

Delete Sec. 612.5, and substitute the following:

612.5 All traffic control devices and all other advance or detouring signs furnished and maintained by the contractor shall remain the property of the contractor.

Delete Sec. 612.6 Flasher Signs

Delete Sec. 612.30.4.2 Materials and substitute the following:

612.30.4.2 Materials. The channelizers shall meet the requirements of Chapter 6 of the Manual on Uniform Traffic Control Devices (MUTCD), current edition. Any unacceptable device shall be replaced by the contractor as soon as possible, but not to exceed 24 hours after the contractor has been notified by the engineer. The channelizers shall be kept clean of dirt and debris and cleaned or replaced by the contractor within 24 hours' notice from the engineer of the need to clean or replace the channelizers.

Delete Sec. 612.30.4.3 Prequalification

Delete Sec. 612.30.4.4 Basis of Acceptance

Delete Sec. 612.32 Basis of Payment, and substitute the following:

612.32 Basis of Payment. All temporary traffic control devices authorized for installation by the engineer will be paid for at the contract unit price for each of the pay items included in the contract. Whether the devices are paid individually, or per lump sum, no direct payment will be made for the following:

(a) Incidental items necessary to complete the work, unless specifically provided as a pay item in the contract.

(b) Installing, operating, maintaining, cleaning, repairing, removing, or replacing traffic control devices.

(c) Covering and uncovering existing signs and other traffic control devices.

(d) Relocating temporary traffic control devices, including permanent traffic control devices temporarily relocated, unless specifically included as a pay item in the contract.

(e) Worker apparel.

(f) Flaggers, AFADs, PFDs, pilot vehicles, and appurtenances at flagging stations.

(g) Furnishing, installing, operating, maintaining, and removing construction-related vehicle and equipment lighting.

(h) Construction and removal of temporary equipment crossovers, including restoring pre-existing crossovers.

(i) Provide and maintaining work zone lighting and work area lighting.

The furnishing, placing, and maintaining of reflectorized object markers, construction signs, channelizers, cones, and the furnishing of flaggers as required will be paid for at the contract lump sum bid price for "612-30.15 – Temporary Traffic Control."

N. TRAFFIC CONTROL PLAN

Delete Section 616.3.2.3 Traffic Control Plan and substitute the following:

616.3.2.3 Regardless of whether or not road closures are explicitly permitted in the project staging plan, traffic control plan, or special provisions, the contractor will be required to request in writing permission to completely close any portion of the roadway. This request must be received at least 7 days prior to the anticipated closure date and must include a signage plan and details regarding the work to be completed and the anticipated length of closure.

616.3.2.4 If the engineer determines the need for additional signs or other traffic control devices not included in the traffic control plan, the contractor will be notified in writing to provide the additional signs or devices. Reimbursement for authorized changes to the traffic control plan will be made in accordance with contract unit prices or as agreed upon by the engineer.

616.3.2.5 The contractor shall give written notice to the engineer of any pedestrian or vehicular accident where physical evidence or other information suggests an accident has occurred in the work zone. The contractor shall obtain and provide to the engineer copies of law enforcement accident reports for any accidents in the work zone which may come to the contractor's attention.

O. ASPHALT PAVEMENT REPAIR, (FULL DEPTH)

1.0 Description. This work shall consist of saw cutting, full depth asphalt pavement removal, subgrade preparation, and placement and compaction of full depth type 'X' asphalt base pavement in lifts in accordance with Section 405.12.1 of the "Standard Specifications for Road and Bridge Construction Manual".

1.1 Locations to be repaired shall be as indicated in the construction plan or as determined by the Engineer.

1.2 Repair thickness shall match the existing pavement section. Approximate pavement thicknesses from pavement cores have been included in the construction plans.

1.3 Where the existing subgrade has been determined by the Engineer to be acceptable to use in place, the Contractor shall level and prepare the subgrade material prior to placement of asphalt base material.

1.4 Where the existing subgrade has been determined by the Engineer to be unacceptable to use in place, the Contractor shall remove the existing subgrade, and place and compact four inches (4") of type 5 aggregate base prior to placement of asphalt base material.

2.0 Method of Measurement. Measurement shall be taken to the nearest (0.1) Square Yard for the item 405-30.25 "Asphalt Pavement Repair, (Full Depth)".

3.0 Basis of Payment. Payment for saw cutting, pavement removal, preparation of subgrade to be used in place, type 'X' asphalt pavement, tack-liquid asphalt, and disposal of materials, including any handwork necessary to complete the repair, will be made per square yard of completed repair at the Contract unit price for Item No. 405-30.25 "Asphalt Pavement Repair, (Full Depth)", with no adjustment to the unit price for variations in pavement thickness.

3.1 Removal, replacement, and disposal of unacceptable subgrade material shall be paid for at the Contract unit price for 304-05.04 "Type 5 Aggregate Base (4" Thick)".

P. EXCESS MATERIAL (CONTRACTOR RETAINED)

1.0 General. The Contractor shall accept full ownership of all material removed by their operations and shall indemnify the City of responsibility for and pay all costs relating to generation, handling, storage, treatment, transportation, disposal or any future use of the material. The Missouri Solid Waste Management Law and its ancillary regulations, 10 CSR 80-1 through 9, provide for the proper disposal of solid waste. The Contractor must comply with the provision of applicable regulations during highway and bridge construction activities. These activities oftentimes involve the generation of "excess material", which in many instances can also be considered "solid waste" under the definitions of the Department of Natural Resources (DNR) Solid Waste Management Program.

1.1 Many types of excess material are not regulated by the DNR's Solid Waste Management Program. Such "clean fill" includes uncontaminated soil, rock, sand, gravel, concrete, minimal amounts of wood and metal and inert solids as approved by rule or policy by DNR's Solid Waste Management Program. These materials are basically not considered solid waste, and may be disposed of without prior approval from DNR's Solid Waste Management Program. Other substances which are not included in this list of materials may require special approval by the DNR's Solid Waste Management Program prior to disposal in areas other than approved landfills.

1.2 Disposal of any other material which does not fit this "clean fill" definition must be in accordance with DNR's (or local) regulations and it shall be the Contractor's responsibility to provide appropriate documentation (i.e., landfill receipts or a private owner waiver letter or statement from DNR) that the disposal will not violate applicable laws or regulations.

1.3 No direct payment will be made for any expense incurred by the Contractor by reason of his compliance with these requirements.

2.0 Temporary Pavement and Pipes. The Contractor shall remove and properly dispose of all temporary pavement when that pavement is no longer needed for traffic handling or re-routing. Removal and disposal of temporary pavement and temporary drainage pipe shall be in accordance with St. Louis County Standard Specifications. Payment for these removals and disposal shall be considered incidental to the bid item for Removal of Improvements even though these improvements are not considered existing at the beginning of the project and no additional compensation will be paid to the Contractor for removal of the temporary pavement and drainage pipe.

Q. HAUL-OFF OF EXCESS EXCAVATION

1.0 No direct payment will be made for haul-off of excess excavation material which is not needed for fill. The Contractor shall be responsible for removing any excess material from the project site.

R. CLEARING VEGETATION FROM THE PEDESTRIAN ACCESS ROUTE

1.0 Description. This work shall consist of clearing and disposing of vegetation, soil, and debris within the limits of the pedestrian access route. The pedestrian access route shall be defined as all sidewalks and curb ramps within the project limits.

2.0 Construction Requirements.

2.1 All tree limbs, bushes, grasses, vegetative ground cover, and all other types of vegetation encroaching upon the pedestrian access route shall be trimmed horizontally to the edge of sidewalk and vertically to a minimum height of 86 inches.

2.2 Vegetation growing through joints and cracks in the pedestrian access route shall be removed and said joints and cracks shall be treated with a chemical vegetation grown inhibitor.

2.3 Accumulations of soil and all other types of debris shall be removed from the pedestrian access route.

2.4 Disposal of vegetative material shall be in accordance with Section 201 of the St. Louis County Standard Specifications for Road and Bridge Construction.

3.0 Payment. The cost of all labor, equipment, and materials necessary to complete the work shall be included in the contract unit price per lump sum for bid item “201-20.11 – Clearing Vegetation from Pedestrian Access Route.”

S. CONCRETE WASHOUT AREAS

1.0 Description. All wash water from concrete paving operations, including but not limited to, ready mix trucks and paving equipment cleanup, must be contained in a washout facility. No wash water will be allowed to drain into the storm sewer or drainage system. The concrete washout area can be a prefabricated facility or a self-installed facility.

1.1 Prefabricated Facility. The prefabricated facility shall be a watertight container.

1.2 Self-Installed Facility. The self-installed facility can be either above grade or below grade. The facility shall be sized to contain all liquid and concrete waste generated. Above grade facilities can be constructed of

staked straw bales or stacked sandbags that are double lined with plastic sheeting of at least 10-mil thickness that has no holes or tears.

1.3 A below grade facility shall be sized to prevent overflowing. Construction fence shall be securely staked around the below grade facility when not in use.

1.4 The contractor can washout concrete on site into a future designated final concrete pour location. The washout cannot jeopardize the integrity of the final concrete pour.

2.0 Maintenance. The contractor shall maintain all concrete wash out facilities and ensure that no wash water leaks from or breaches the facility. The hardened concrete material shall be removed and disposed of on a regular basis and when the facility is no longer in use.

3.0 Identification and Location. The contractor shall erect a sign identifying the washout facility. The washout facility shall be at least 50 feet from any storm drains, inlets, sanitary manholes, open ditches or bodies of water. The location of the concrete washout shall be approved by the City.

4.0 Basis of Payment. The installation, maintenance and cleanup of the concrete washout areas will be paid at the contract unit price per each.

T. EQUIPMENT AND/OR MATERIAL STORAGE AREA

1.0 The City has not provided a material and/or equipment storage area (bone yard) for this project. Any such area required by the Contractor is to be acquired by the Contractor.

1.1 If the storage area is located along the project or within the City limits the Contractor must provide proof of permission to use the site. At the end of the project, prior to project closeout, the Contractor must provide to the City a release from the property owner. The release is to indicate the property owner is satisfied with the condition the Contractor left the property.

2.0 Basis of Payment. No direct payment will be made for compliance with this provision.

U. SITE MAINTENANCE

1.0 All work areas shall be kept neat and clean during all phases of construction and shall be “broom clean” at the end of each day. Stormwater BMP’s shall be installed and maintained as necessary to minimize or eliminate site runoff.

2.0 The Contractor shall provide a restroom and trash barrel within a reasonable distance (typically 500 feet or less) of any area where work is occurring. The trash barrel will be labeled as such and emptied at least weekly. Trash left elsewhere in the work area, such as in the overdig, will not be tolerated.

3.0 When forms are being stored on grass, i.e. lying, they will be stacked on top of not more than two 4x4 inch pieces of lumber. The purpose of this lumber is to eliminate the grass being killed beneath the forms when they are being stored prior to or following placement of concrete. If the forms are stored on pavement, the lumber is not required. Storage of the forms on sidewalks shall not be allowed. Care shall be taken to ensure that forms are not laid on sprinkler system heads.

4.0 Any soil remaining on the pavement following backfill of the overdig shall be removed within 24 hours. Barricades that are no longer required on a street shall be moved to the storage area within 24 hours of opening the pavement. At no time shall items stored in the right-of-way or on the pavement block the drainage of water through the area.

5.0 The Contractor is responsible for determining and providing suitable areas/facilities for concrete truck

wash out. Washing out in the overdig area behind the back of curb will not be permitted. All wash-out areas shall be fully restored upon completion of the project. Wash-out material must be contained and shall not be allowed to enter the storm sewer system, a creek, stream, or any other body of water. Any wash-out material leaving the site or that enters any sewer or body of water will require immediate remediation at the Contractors expense.

6.0 Basis of Payment. No payment will be made for compliance with this provision.

V. SITE RESTORATION

1.0 Description. Site Restoration shall include the repair, replacement and/or relocation of landscaping and other miscellaneous site improvements removed and/or damaged during construction and shall include but not be limited to landscaping, sod, shrubs, bushes, flowers, irrigation system components, decorative stone, boulders, pavers, decorative retaining walls, sidewalks, planter beds, decorative brick, edging, borders, etc. Restoration shall also include repair/replacement/relocation of fences, mailboxes, electronic dog fences, utility services and sweeping.

1.1 Any damaged or removed item shall be documented and repaired or replaced to equal or better condition in accordance with the pre-construction survey with equal or better materials to the satisfaction of the property owner and City.

1.2 Property restoration shall be completed as soon as possible.

2.0 Method of Measurement. This item shall be provided as a lump sum per the approved plans and any revisions or alterations proposed by the Contractor and accepted by the Engineer.

3.0 Basis of Payment. Payment for restoration includes all labor, materials, equipment and tools necessary to restore the site to the pre-construction condition and will be made at the contract lump sum price for “Site Restoration (Roadway Projects).”

W. EXISTING IRRIGATION SYSTEMS

1.0 Description. The Contractor is advised that one or more property owners located adjacent to the right of way may own and operate underground irrigation systems (automatic lawn sprinkler systems) which may be in conflict with the proposed work on this project. The Contractor is advised that not all of these systems have not been located nor are they shown on the plans.

2.0 Inspection and Notice. Before beginning grading, excavating or other construction operations that may impact an existing irrigation system, the Contractor shall inspect all work areas for the presence of an existing irrigation system. If an existing irrigation system is found, the Contractor shall, immediately notify the Engineer and determine if the existing irrigation system is operating properly and if the system will be in conflict with the proposed work.

3.0 Conflicts or Damage to Existing Irrigation Systems.

3.1 If an existing irrigation system is in conflict with the Contractor’s work, or it is otherwise damaged by the Contractor’s operations, it shall be the Contractor’s responsibility to modify the existing irrigation system to eliminate the conflict or repair the damage to the system.

3.2 When conflicts occur, or if unforeseen damage has resulted from the Contractor’s operations, the Contractor shall develop and submit a plan of adjustment for the irrigation system to the Engineer for review and approval. All plans of adjustment shall restore the irrigation system to a complete and whole system, in similar condition, with like kind materials, and with similar coverage as the existing system as found at the time of inspection or before the damage occurred.

3.3 The Contractor shall be responsible for implementing the approved adjustment plan, including furnishing all materials and supplying all labor and equipment necessary.

4.0 Basis of Payment. No direct payment will be made to the Contractor for compliance with the requirements of this job special provision. All irrigation systems requiring relocation or adjustment shall be covered under the lump sum bid item for "Site Restoration."

X. SEWER CONSTRUCTION

1.0 Description. All sewer construction shall meet the requirements of the Metropolitan St. Louis Sewer District (MSD) materials, installation, and details, as referenced in the contract documents or on the plans.

2.0 Trench Excavation. Except where otherwise specified, the unit bid price for each item of Work which involves excavation or trenching shall include all costs for such work. No direct payment shall be made for excavation or trenching. All excavation and trenching shall be unclassified as to materials which may be encountered. In addition, trenches shall be unclassified as to depth.

2.1 All trenches shall be constructed with bedding and backfill installed according to MSD Standard Specifications. Where granular backfill is required in unpaved areas, the granular backfill shall extend to a level 6-inches below finished grade and the top 6-inches of the backfill shall be topsoil. No additional payment will be made for excavation, bedding, backfill or grading, this work shall be considered incidental to the cost of the unit bid price for each item.

3.0 Structural Excavation. All excavation work required for structures shall be considered a subsidiary obligation of Contractor and the costs of such excavation shall be included in the prices bid for the structures. All structural excavations shall be unclassified as to material and unclassified as to depth.

4.0 Curb Inlets. Payment for Curb Inlets shall be made at the unit bid price per each. This unit price shall include all costs of installing the inlet complete, including the inlet base, invert construction, walls, top sections, inlet frame and cover, sills, steps, excavation, backfill, waterproofing, and all other appurtenances. Also considered included in this unit bid price shall be "A-Lok" or other approved equal pipe connections for sanitary and storm sewers. No additional payment will be made for the size of inlet required – all area inlets will be paid for at the same bid price.

5.0 Manholes. Payment for manholes shall be at the unit price for each. Unless noted otherwise on the plans, manholes for this project shall be 48-inch diameter. This unit price for manholes shall include all costs of installing a manhole complete, including the manhole foundation, manhole invert construction, walls, top sections, manhole or inlet frame and cover, steps, excavation, backfill, waterproofing, and all other appurtenances. Also considered included in this unit bid price shall be "A-Lok" or other approved equal pipe connections for sanitary and storm sewers.

6.0 Connections to Existing Manholes. Payment for connections to existing manholes will not be made. The compensation for necessary cutting, shaping, plugging, reshaping of existing invert, diversion of flow, completing the connection as required, and excavation work not otherwise paid for as trenching should be accounted for in the bid item to which this work pertains, and in most cases, will be accounted for in the manhole or area inlet structure used to make the connection.

7.0 Adjusting Manhole, Inlet, and Grate Inlet to Grade. Payment for adjusting manholes, curb inlets, and grate inlets to grade will be made at the contract unit price per each. Payment shall include all costs for a completed adjustment; including, but limited to: excavating, backfilling, removing the existing top section, raising the inlet walls, installing a new precast concrete top section with covers, and providing all other materials and work required for compliance with MSD Standard Specifications.

8.0 Acceptance and Protection. Temporary erosion control measures are required to be implemented per the requirements of Section 806. In addition to measures aimed at controlling sediment, it will be required that before final acceptance of any inlet, manhole or trench drain, the inlet shall be clean and free from all debris or sediment that may have accumulated over the extents of the project timeframe. This final cleaning will be a requirement of the Contractor, and will not be paid for, but considered incidental to the overall erosion and sediment control for the project, as well as incidental to the pay items for the specific drainage items to which it pertains.

9.0 As-Built Drawings. Contractor shall be required to produce and submit to MSD, as-built drawings of all sewer construction in accordance with requirements for as-built sewers as defined by MSD. No direct payment shall be made for this work. Final payment will not be made to the Contractor without MSD approval of as-built drawings.

10.0 Payment for sewer facilities governed by MSD Standards and Specifications for this project will be made by the contract unit price as noted in the bid items listing.

Y. MODULAR BLOCK WALL (H<4')

1.0 Description. This work consists furnishing all materials, labor, and equipment necessary to construct the modular block retaining wall.

1.1 The modular block wall located along 1300-1310 Mullanphy Road shall be a natural stone look. The contractor shall submit at least three (3) options of block style with various color options to the Engineer for selection of final product to be used.

2.0 Method of Measurement. Measurement for Modular Block Wall (H<4') will be made to the nearest square foot of exposed wall face.

3.0 Basis of Payment. The accepted quantity of Modular Block Wall (H>4') will be made at the contract unit price per square yard. Modular Block Wall (H>4') includes modular block wall, excavation required for wall, leveling pad, drain pipe, backfill for wall, and any other related components required per the manufacturer's details.

Z. PAVING REQUIREMENTS

1.0 Description. Vehicle **t**raffic shall not be allowed to travel on the milled pavement surface. The contractor shall only mill an area that can be overlayed by the end of each working day to minimize lane closures and damage to existing pavement structure. Repair of any damage to the pavement structure resulting from traffic on the milled surface shall be corrected at the contractor's expense.

2.0 Basis of Payment. No direct pay will be made for compliance with this provision.

AA. REMOVAL AND SALVAGE OF CITY SIGNS

1.0 All existing signs and sign posts not used during the construction of the roadway improvements, i.e. stops signs and street ID signs, shall remain the property of the City and shall be carefully removed and stockpiled in a location designated by the Director of Public Works for salvage by the City.

2.0 No direct pay will be made for removal and salvage of City signs. Removal and salvage of City signs is incidental to the lump sum unit cost of Removal of Improvements.

BB. SODDING

Delete Sec. 803.2 – Materials, and substitute the following:

803.2 Materials. Contractor shall survey each residence and inventory the type of grass existing prior, to disturbing the area. Sod shall be replaced in kind (bluegrass, zoysia or other on present yard). The sod shall contain a growth of not more than 25 percent of other grasses and clovers, and be free of all weeds. The sod shall be cut in strips of uniform thickness with each strip containing at least 1/3 sq.yd. and not more than one square yard. Sod shall be cut into strips, not less than 12 in. in width nor more than 9 ft. in length. At the time of sod lifting, the top growth shall not exceed 3 in. in length. The thickness of the sod shall be determined by stacking ten pieces alternately with the soil of the first piece on the bottom. The height of the stack without compression shall exceed 11 in. and the thickness of the soil portion of each piece shall not be less than ¾ in. All sod shall conform to the laws of Missouri and shall be obtained from sources meeting the approval of the Department of Agriculture, Plant Industries Division.

Amend Sec. 803.3.2 by adding the following:

Clear the top 2 inches of soil lumps, stones over ¾ inch, and foreign material, including but not limited to weeds, sticks and roots.

Continuous areas of crushed stone will be removed as directed by the engineer.

Delete Sec. 803.5 – Basis of Payment, and substitute the following:

803.5 Basis of Payment. The accepted quantities of sodding will be paid for at the contract unit bid price for sodding, regardless of type of sod used (bluegrass, zoysia or other on present yard). No direct payment will be made for sob bed preparation, liming or fertilizing sodded areas, or for the replacement of sodded areas not accepted by the Engineer. No direct payment will be made for any of the materials, labor, etc. needed to keep the sod thoroughly moist after placement and lasting for a period of 21 days.

CC. ADA COMPLIANCE AND FINAL ACCEPTANCE OF CONSTRUCTED FACILITIES LPA-15-07A

1.0 Description. The contractor shall comply with all laws pertaining to the Americans with Disabilities Act (ADA) during construction of pedestrian facilities on public rights of way for this project. An ADA Checklist is provided herein to be utilized by the contractor for verifying compliance with the ADA law. The contractor is expected to familiarize himself with the plans involving pedestrian facilities and the ADA Post Construction Checklist prior to performing the work.

2.0 ADA Checklist. The contractor can locate the ADA Checklist form on the Missouri Department of Transportation website:

http://www.modot.mo.gov/business/contractor_resources/forms.htm

2.1 The ADA Checklist is not to be considered all-inclusive, nor does it supersede any other contract requirements. The ADA checklist is a required guide for the contractor to use during the construction of the pedestrian facilities and a basis for the commission's acceptance of work. Prior to work being performed, the contractor shall bring to the engineer's attention any planned work that is in conflict with the design or with the requirement shown in the checklist. This notification shall be made in writing. Situations may arise where the checklist may not fully address all requirements needed to construct a facility to the full requirements of current ADA law. In those situations, the contractor shall propose a solution to the engineer that is compliant with current ADA law using the following hierarchy of resources: 2010 ADA Standards for Accessible Design, Draft Public Rights of Way Accessibility Guidelines (PROWAG) dated November 23, 2005, MoDOT's Engineering Policy Guidelines (EPG), or a solution approved by the U.S. Access Board.

2.2 It is encouraged that the contractor monitor the completed sections of the newly constructed pedestrian facilities in attempts to minimize negative impacts that his equipment, subcontractors or general public may have on the work. Completed facilities must comply with the requirements of ADA and the ADA Checklist or have documented reasons for the non-complaint items to remain.

3.0 Coordination of Construction.

3.1 Prior to construction and/or closure on an existing pedestrian path of travel, the contractor shall submit a schedule of work to be constructed, which includes location of work performed, the duration of time the contractor expects to impact the facility and an accessible signed pedestrian detour complaint with MUTCD Section 6D that will be used during each stage of construction. This plan shall be submitted to the engineer for review and approval at or prior to the pre-construction conference. Accessible signed detours shall be in place prior to any work being performed that has the effect of closing an existing pedestrian travel way.

3.2 When consultant survey is included in the contract, the contractor shall use their survey crews to verify that the intended design can be constructed to the full requirements as established in the 2010 ADA Standards. When 2010 ADA Standards do not give sufficient information to construct the contract work, the contractor shall refer to the PROWAG.

3.3 When consultant survey is not included in the contract, the contractor shall coordinate with the engineer, prior to construction, to determine if additional survey will be required to confirm the designs constructability.

4.0 Final Acceptance of Work. The contractor shall provide the completed ADA Checklist to the engineer at the semi-final inspection. ADA improvements require final inspection and compliance with the ADA requirements and the ADA Checklist. Each item listed in the checklist must receive either a “YES” or an “N/A” score. Any item receiving a “NO” will be deemed non-compliant and shall be corrected at the contractor’s expense unless deemed otherwise by the engineer. Documentation must be provided about the location of any non-complaint items that are allowed to remain at the end of the construction project. Specific details of the non-complaint items, the ADA requirement that the work was not able to comply with, and the specific reasons that justify the exception are to be included with the completed ADA Checklist provided to the engineer.

4.1 Slope and grade measurements shall be made using a properly calibrated, 2 foot long, electronic digital level approved by the engineer.

5.0 Basis of Payment. The contractor will receive full pay of the contract unit cost for all sidewalk, ramp, curb ramp, median, island, approach work, cross walk striping, APS buttons, pedestrian heads, detectible warning systems and temporary traffic control measures that are completed during the current estimate period as approved by the engineer. Based upon completion of the ADA Checklist, the contractor shall complete any necessary adjustments to items deemed non-compliant as directed by the engineer.

5.1 No direct payment will be made to the contractor to recover the cost of equipment, labor, materials, or time required to fulfill the above provisions, unless specified elsewhere in the contract documents.

DD. HIGHWAY SIGNING

Delete Section 903 St. Louis County Standard Specifications for Road and Bridge Construction and substitute with MoDOT Section 903 Missouri Standard Specifications for Highway Construction, 2025.

EE. PAVEMENT MARKING

Follow MoDOT Section 620 Missouri Standard Specifications for Highway Construction, 2025.

FF. PROPERTY OWNER AGREEMENTS

1.0 Description. This work pertains to the special conditions that have been agreed upon by the City of Florissant and property owners of the following parcels regarding the Mullanphy Road Resurfacing Project. the Contractor must ensure the following are adhered to:

1.1 Parcels 2, 7, and 31. The Contractor shall notify the property owners 30 days prior to the commencement of construction. Notice will be given to the following addresses:

Ryan Paige
1320 Mullanphy Road
Florissant, MO 63031
Rpaige13442@gmail.com

Debra Dancy
1270 Mullanphy Road
Florissant, MO 63031
Ddancy19@yahoo.com

REI Nation, LLC
PO Box 381887
Germantown, TN 38183
closings@reination.com

1.2 Parcels 11 and 12. The Contractor is required to list VB Two, LLC as an additional insured party on the Contractor's commercial liability policy. The Contractor, at a minimum, is required to carry General Liability, Workers Compensation, Commercial Automobile Liability, and Pollution Liability Insurance. The Contractor shall maintain sufficient liability insurance coverage in an amount not less than the limit of the Commission's liability under §537.610 RSMo.

2.0 Basis of Payment. Payment for the above-mentioned items will be completely paid for under the unit bid prices. If there are no bid items for the above-mentioned work, the work will be considered incidental and there will be no direct payment.

END OF JOB SPECIAL PROVISIONS

CONTRACT PROVISIONS FOR FEDERAL-AID CONSTRUCTION CONTRACTS

I. General
II. Nondiscrimination
III. Davis-Bacon and Related Act Provisions
IV. Contract Work Hours and Safety Standards Act Provisions
V. Subletting or Assigning the Contract
VI. Safety: Accident Prevention
VII. False Statements Concerning Highway Projects
VIII. Implementation of Clean Air Act and Federal Water Pollution Control Act
IX. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion
X. Certification Regarding Use of Contract Funds for Lobbying
XI. Use of United States-Flag Vessels

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only).

I. GENERAL

1. Historically, contracting agencies using Federal-aid highway funds were required to ensure Form FHWA-1273 was physically incorporated into all contracts and subcontracts. Effective June 10, 2026, this requirement was eliminated [91 FR 25492]. Future use of Form FHWA-1273 is now optional on the part of the contracting agency using Federal-aid highway funds. FHWA continues to make Form FHWA-1273 available as a convenience to contracting agencies. Contracting agencies must continue to ensure compliance with the provisions cited in Form FHWA-1273 in accordance with the provisions regardless of the use of Form FHWA-1273. Accordingly, the contracting agency retains the authority to determine whether the contractor must use Form FHWA-1273 to physically incorporate required contract provisions in each subcontract and in lower tier contracts. Where permitted by the contracting agency, the contractor may choose other ways to include required contract provisions in each subcontract, besides incorporating Form FHWA-1273. Contract provisions in Form FHWA-1273 are not required to be physically included in subcontracts for design services on Federal-aid design-build contracts, or in purchase orders, rental agreements and other agreements for supplies or services.

The applicable provisions of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor or design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in solicitation-for-bids or request-for-proposals documents.

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. 23 U.S.C. 114(b). The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors. 23 U.S.C. 101(a).

II. NONDISCRIMINATION

The contractor and all subcontractors must comply with the following policies: 29 CFR Parts 1625-1627, 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27, including any amendments thereto.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with 29 CFR Parts 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), and Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27, including any amendments thereto.

The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR Part 35 and 29 CFR Part 1630 are incorporated by reference in this contract.

1. Assurances Required:

a. The requirements of 49 CFR Part 26, including any amendments thereto, and the State DOT's FHWA-approved Disadvantaged Business Enterprise (DBE) program are incorporated by reference.

b. The contractor, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26, including any amendments thereto, in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:

(1) Withholding monthly progress payments;
(2) Assessing sanctions;
(3) Liquidated damages; and/or
(4) Disqualifying the contractor from future bidding as non-responsible.

c. The Title VI and nondiscrimination provisions of U.S. DOT Order 1050.2A at Appendixes A and E, including any amendments thereto, are incorporated by reference. 49 CFR Part 21.

III. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding $2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size), in accordance with 29 CFR 5.5. The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. 23 U.S.C. 113. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. 23 U.S.C. 101. Where applicable law requires that projects be treated as a project on a Federal-aid highway, the provisions of this subpart will apply regardless of the location of the project. Examples include: Surface Transportation Block Grant Program projects funded under 23 U.S.C. 133 [excluding recreational trails projects], the Nationally Significant Freight and Highway Projects funded under 23 U.S.C. 117, and National Highway Freight Program projects funded under 23 U.S.C. 167.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 “Contract provisions and related matters” with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages (29 CFR 5.5)

a. *Wage rates and fringe benefits.* All laborers and mechanics employed or working upon the site of the work (or otherwise working in construction or development of the project under a development statute), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of basic hourly wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. As provided in paragraphs (d) and (e) of 29 CFR 5.5, the appropriate wage determinations are effective by operation of law even if they have not been attached to the contract. Contributions made or costs reasonably anticipated for bona fide fringe benefits under the Davis-Bacon Act (40 U.S.C. 3141(2)(B)) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.e. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics must be paid the appropriate wage rate and fringe benefits on the wage determination for the classification(s) of work actually performed, without regard to skill, except as provided in paragraph 4. of this section. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided,* That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classifications and wage rates conformed under paragraph 1.c. of this section) and the Davis-Bacon poster (WH–1321) must be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. *Frequently recurring classifications.* (1) In addition to wage and fringe benefit rates that have been determined to be prevailing under the procedures set forth in 29 CFR part 1, a wage determination may contain, pursuant to § 1.3(f), wage and fringe benefit rates for classifications of laborers and mechanics for which conformance requests are regularly submitted pursuant to paragraph 1.c. of this section, provided that:

(i) The work performed by the classification is not performed by a classification in the wage determination for which a prevailing wage rate has been determined;

(ii) The classification is used in the area by the construction industry; and

(iii) The wage rate for the classification bears a reasonable relationship to the prevailing wage rates contained in the wage determination.

(2) The Administrator will establish wage rates for such classifications in accordance with paragraph 1.c.(1)(iii) of this section. Work performed in such a classification must be paid at no less than the wage and fringe benefit rate listed on the wage determination for such classification.

c. *Conformance.* (1) The contracting officer must require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract be classified in conformance with the wage determination. Conformance of an additional classification and wage rate and fringe benefits is appropriate only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is used in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) The conformance process may not be used to split, subdivide, or otherwise avoid application of classifications listed in the wage determination.

(3) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the

classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken will be sent by the contracting officer by email to *DBAconformance@dol.gov*. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30–day period that additional time is necessary.

(4) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer will, by email to *DBAconformance@dol.gov*, refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30–day period that additional time is necessary.

(5) The contracting officer must promptly notify the contractor of the action taken by the Wage and Hour Division under paragraphs 1.c.(3) and (4) of this section. The contractor must furnish a written copy of such determination to each affected worker or it must be posted as a part of the wage determination. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 1.c.(3) or (4) of this section must be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

d. *Fringe benefits not expressed as an hourly rate.* Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor may either pay the benefit as stated in the wage determination or may pay another bona fide fringe benefit or an hourly cash equivalent thereof.

e. *Unfunded plans.* If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided,* That the Secretary of Labor has found, upon the written request of the contractor, in accordance with the criteria set forth in § 5.28, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

f. *Interest.* In the event of a failure to pay all or part of the wages required by the contract, the contractor will be required to pay interest on any underpayment of wages.

2. Withholding (29 CFR 5.5)

a. *Withholding requirements.* The contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for the full amount of wages and monetary relief, including interest, required by the clauses set forth in this section for violations of this contract, or to satisfy any such liabilities required by any other Federal contract, or federally assisted contract subject to Davis-Bacon labor standards, that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to Davis-Bacon labor standards requirements and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld. In the event of a contractor's failure to pay any laborer or mechanic, including any apprentice or helper working on the site of the work all or part of the wages required by the contract, or upon the contractor's failure to submit the required records as discussed in paragraph 3.d. of this section, the contracting agency may on its own initiative and after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with paragraph 2.a. of this section or Section IV, paragraph 3.a., or both, over claims to those funds by:

(1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;

(2) A contracting agency for its reprocurement costs;

(3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;

(4) A contractor's assignee(s);

(5) A contractor's successor(s); or

(6) A claim asserted under the Prompt Payment Act, 31 U.S.C. 3901–3907.

3. Records and certified payrolls (29 CFR 5.5)

a. *Basic record requirements* (1) *Length of record retention.* All regular payrolls and other basic records must be maintained by the contractor and any subcontractor during the course of the work and preserved for all laborers and mechanics working at the site of the work (or otherwise working in construction or development of the project under a development statute) for a period of at least 3 years after all the work on the prime contract is completed.

(2) *Information required.* Such records must contain the name; Social Security number; last known address, telephone number, and email address of each such worker; each worker's correct classification(s) of work actually performed; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in 40 U.S.C. 3141(2)(B) of the Davis-Bacon Act); daily and weekly number

of hours actually worked in total and on each covered contract; deductions made; and actual wages paid.

(3) *Additional records relating to fringe benefits.* Whenever the Secretary of Labor has found under paragraph 1.e. of this section that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in 40 U.S.C. 3141(2)(B) of the Davis-Bacon Act, the contractor must maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits.

(4) *Additional records relating to apprenticeship.* Contractors with apprentices working under approved programs must maintain written evidence of the registration of apprenticeship programs, the registration of the apprentices, and the ratios and wage rates prescribed in the applicable programs.

b. *Certified payroll requirements* (1) *Frequency and method of submission.* The contractor or subcontractor must submit weekly, for each week in which any DBA- or Related Acts-covered work is performed, certified payrolls to the contracting agency. The prime contractor is responsible for the submission of all certified payrolls by all subcontractors. A contracting agency or prime contractor may permit or require contractors to submit certified payrolls through an electronic system, as long as the electronic system requires a legally valid electronic signature; the system allows the contractor, the contracting agency, and the Department of Labor to access the certified payrolls upon request for at least 3 years after the work on the prime contract has been completed; and the contracting agency or prime contractor permits other methods of submission in situations where the contractor is unable or limited in its ability to use or access the electronic system.

(2) *Information required.* The certified payrolls submitted must set out accurately and completely all of the information required to be maintained under paragraph 3.a.(2) of this section, except that full Social Security numbers and last known addresses, telephone numbers, and email addresses must not be included on weekly transmittals. Instead, the certified payrolls need only include an individually identifying number for each worker (*e.g.,* the last four digits of the worker's Social Security number). The required weekly certified payroll information may be submitted using Optional Form WH–347 or in any other format desired. Optional Form WH–347 is available for this purpose from the Wage and Hour Division website at *https://www.dol.gov/sites/dolgov/files/WHD/legacy/files/wh347/.pdf* or its successor website. It is not a violation of this section for a prime contractor to require a subcontractor to provide full Social Security numbers and last known addresses, telephone numbers, and email addresses to the prime contractor for its own records, without weekly submission by the subcontractor to the contracting agency.

(3) *Statement of Compliance.* Each certified payroll submitted must be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor, or the contractor's or subcontractor's agent who pays or supervises the payment of the persons working on the contract, and must certify the following:

(i) That the certified payroll for the payroll period contains the information required to be provided under paragraph 3.b. of this section, the appropriate information and basic records are being maintained under paragraph 3.a. of this section, and such information and records are correct and complete;

(ii) That each laborer or mechanic (including each helper and apprentice) working on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR part 3; and

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification(s) of work actually performed, as specified in the applicable wage determination incorporated into the contract.

(4) *Use of Optional Form WH–347.* The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH–347 will satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(3) of this section.

(5) *Signature.* The signature by the contractor, subcontractor, or the contractor's or subcontractor's agent must be an original handwritten signature or a legally valid electronic signature.

(6) *Falsification.* The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under 18 U.S.C. 1001 and 31 U.S.C. 3729.

(7) *Length of certified payroll retention.* The contractor or subcontractor must preserve all certified payrolls during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

c. *Contracts, subcontracts, and related documents.* The contractor or subcontractor must maintain this contract or subcontract and related documents including, without limitation, bids, proposals, amendments, modifications, and extensions. The contractor or subcontractor must preserve these contracts, subcontracts, and related documents during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

d. *Required disclosures and access* (1) *Required record disclosures and access to workers.* The contractor or subcontractor must make the records required under paragraphs 3.a. through 3.c. of this section, and any other documents that the contracting agency, the State DOT, the FHWA, or the Department of Labor deems necessary to determine compliance with the labor standards provisions of any of the applicable statutes referenced by § 5.1, available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and must permit such representatives to interview workers during working hours on the job.

(2) *Sanctions for non-compliance with records and worker access requirements.* If the contractor or subcontractor fails to submit the required records or to make them available, or refuses to permit worker interviews during working hours on the job, the Federal agency may, after written notice to the contractor, sponsor, applicant, owner, or other entity, as the case may be, that maintains such records or that employs such workers, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available, or to permit worker interviews during working hours on the job, may be grounds for debarment action pursuant to § 5.12. In addition, any contractor or other person that fails to submit the required records or make those records available to WHD within the time WHD requests that the records be produced will be precluded from introducing as evidence in an administrative proceeding under 29 CFR part 6 any of the required records that were not provided or made available to WHD. WHD will take into consideration a reasonable request from the contractor or person for an extension of the time for submission of records. WHD will determine the reasonableness of the request and may consider, among other things, the location of the records and the volume of production.

(3) *Required information disclosures.* Contractors and subcontractors must maintain the full Social Security number and last known address, telephone number, and email address of each covered worker, and must provide them upon request to the contracting agency, the State DOT, the FHWA, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or other compliance action.

4. Apprentices and equal employment opportunity (29 CFR 5.5)

a. *Apprentices* (1) *Rate of pay.* Apprentices will be permitted to work at less than the predetermined rate for the work they perform when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship (OA), or with a State Apprenticeship Agency recognized by the OA. A person who is not individually registered in the program, but who has been certified by the OA or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice, will be permitted to work at less than the predetermined rate for the work they perform in the first 90 days of probationary employment as an apprentice in such a program. In the event the OA or a State Apprenticeship Agency recognized by the OA withdraws approval of an apprenticeship program, the contractor will no longer be permitted to use apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(2) *Fringe benefits.* Apprentices must be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringe benefits must be paid in accordance with that determination.

(3) *Apprenticeship ratio.* The allowable ratio of apprentices to journeyworkers on the job site in any craft classification must not be greater than the ratio permitted to the contractor as to the entire work force under the registered program or the ratio applicable to the locality of the project pursuant to paragraph 4.a.(4) of this section. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in paragraph 4.a.(1) of this section, must be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under this section must be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(4) *Reciprocity of ratios and wage rates.* Where a contractor is performing construction on a project in a locality other than the locality in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyworker's hourly rate) applicable within the locality in which the construction is being performed must be observed. If there is no applicable ratio or wage rate for the locality of the project, the ratio and wage rate specified in the contractor's registered program must be observed.

b. *Equal employment opportunity.* The use of apprentices and journeyworkers under this part must be in conformity with 29 CFR part 30, including any amendments thereto.

c. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section III. 23 CFR 230.111(e)(2). The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeyworkers shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract as provided in 29 CFR 5.5.

6. Subcontracts. The contractor or subcontractor must insert in any subcontracts the clauses set forth in paragraphs (1) through (11) of this section, along with the applicable wage determination(s) and such other clauses or contract modifications as the contracting agency may by appropriate instructions require, and a clause requiring the subcontractors to include these clauses and wage determination(s) in any lower tier subcontracts. The prime contractor is responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this section. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and may be subject to debarment, as appropriate. 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the

contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract as provided in 29 CFR 5.5.

9. Disputes concerning labor standards. As provided in 29 CFR 5.5, disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility. a. By entering into this contract, the contractor certifies that neither it nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of 40 U.S.C. 3144(b) or § 5.12(a).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of 40 U.S.C. 3144(b) or § 5.12(a).

c. The penalty for making false statements is prescribed in the U.S. Code, Title 18 Crimes and Criminal Procedure, 18 U.S.C. 1001.

11. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the DBA, Related Acts, this part, or 29 CFR part 1 or 3;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under the DBA, Related Acts, this part, or 29 CFR part 1 or 3;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under the DBA, Related Acts, this part, or 29 CFR part 1 or 3; or

d. Informing any other person about their rights under the DBA, Related Acts, this part, or 29 CFR part 1 or 3.

IV. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

Pursuant to 29 CFR 5.5(b), the following clauses apply to any Federal-aid construction contract in an amount in excess of $100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchpersons and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek. 29 CFR 5.5.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph 1. of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages and interest from the date of the underpayment. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchpersons and guards, employed in violation of the clause set forth in paragraph 1. of this section, in the sum currently provided in 29 CFR 5.5(b)(2)* for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph 1. of this section.

* $33 as of January 15, 2025 (See 90 FR 1859) as may be adjusted annually by the Department of Labor, pursuant to the Federal Civil Penalties Inflation Adjustment Act of 1990.

3. Withholding for unpaid wages and liquidated damages

a. *Withholding process.* The FHWA or the contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for any unpaid wages; monetary relief, including interest; and liquidated damages required by the clauses set forth in this section on this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract subject to the Contract Work Hours and Safety Standards Act that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to the Contract Work Hours and Safety Standards Act and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with Section III paragraph 2.a. or paragraph 3.a. of this section, or both, over claims to those funds by:

(1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;

(2) A contracting agency for its reprocurement costs;

(3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;

(4) A contractor's assignee(s);

(5) A contractor's successor(s); or

(6) A claim asserted under the Prompt Payment Act, 31 U.S.C. 3901–3907.

4. Subcontracts. The contractor or subcontractor must insert in any subcontracts the clauses set forth in paragraphs 1. through 5. of this section and a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor is responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs 1. through 5. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and associated liquidated damages and may be subject to debarment, as appropriate.

5. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the Contract Work Hours and Safety Standards Act (CWHSSA) or its implementing regulations in this part;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under CWHSSA or this part;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under CWHSSA or this part; or

d. Informing any other person about their rights under CWHSSA or this part.

V. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System pursuant to 23 CFR 635.116.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term “perform work with its own organization” in paragraph 1. of this section refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions: (based on longstanding interpretation)

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
(2) the prime contractor remains responsible for the quality of the work of the leased employees;
(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and
(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract. 23 CFR 635.102.

2. Pursuant to 23 CFR 635.116(a), the contract amount upon which the requirements set forth in paragraph 1. of this section is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. Pursuant to 23 CFR 635.116(c), the contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract. (based on long-standing interpretation of 23 CFR 635.116).

5. The 30-percent self-performance requirement of paragraph (1) is not applicable to design-build contracts; however,

contracting agencies may establish their own self-performance requirements. 23 CFR 635.116(d).

VI. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR Part 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract. 23 CFR 635.108.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR Part 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704). 29 CFR 1926.10.

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

VII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR Part 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 11, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

VIII. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT (42 U.S.C. 7606; 2 CFR 200.88; EO 11738)

This provision is applicable to all Federal-aid construction contracts in excess of $150,000 and to all related subcontracts. 48 CFR 2.101; 2 CFR 200.327.

By submission of this bid/proposal or the execution of this contract or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, subcontractor, supplier, or vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal Highway Administration and the Regional Office of the Environmental Protection Agency. 2 CFR Part 200, Appendix II.

The contractor agrees to include or cause to be included the requirements of this Section in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements. 2 CFR 200.327.

IX. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost $25,000 or more – as defined in 2 CFR Parts 180 and 1200. 2 CFR 180.220 and 1200.220.

1**. Instructions for Certification – First Tier Participants:**

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this

covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction. 2 CFR 180.320.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default. 2 CFR 180.325.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances. 2 CFR 180.345 and 180.350.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900-180.1020, and 1200. “First Tier Covered Transactions” refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). “Lower Tier Covered Transactions” refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). “First Tier Participant” refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). “Lower Tier Participant” refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction. 2 CFR 180.330.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold. 2 CFR 180.220 and 180.300.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. 2 CFR 180.300; 180.320, and 180.325. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. 2 CFR 180.335. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (https://www.sam.gov/). 2 CFR 180.300, 180.320, and 180.325.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default. 2 CFR 180.325.

* * * * *

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.335;

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property, 2 CFR 180.800;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification, 2 CFR 180.700 and 180.800; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default. 2 CFR 180.335(d).

(5) Are not a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(6) Are not a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability (USDOT Order 4200.6 implementing appropriations act requirements).

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal. 2 CFR 180.335 and 180.340.

* * * * *

3. **Instructions for Certification - Lower Tier Participants:**

(Applicable to all subcontracts, purchase orders, and other lower tier transactions requiring prior FHWA approval or estimated to cost $25,000 or more - 2 CFR Parts 180 and 1200). 2 CFR 180.220 and 1200.220.

a. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances. 2 CFR 180.365.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900 – 180.1020, and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. “First Tier Covered Transactions” refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). “Lower Tier Covered Transactions” refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). “First Tier Participant” refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). “Lower Tier Participant” refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated. 2 CFR 1200.220 and 1200.332.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold. 2 CFR 180.220 and 1200.220.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (https://www.sam.gov/), which is compiled by the General Services Administration. 2 CFR 180.300, 180.320, 180.330, and 180.335.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment. 2 CFR 180.325.

* * * * *

4. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

a. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals:

(1) is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.355;

(2) is a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(3) is a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability. (USDOT Order 4200.6 implementing appropriations act requirements)

b. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal.

* * * * *

X. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed $100,000. 49 CFR Part 20, App. A.

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed $100,000 and that all such recipients shall certify and disclose accordingly.

XI. USE OF UNITED STATES-FLAG VESSELS:

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, or any other covered transaction. 46 CFR Part 381.

This requirement applies to material or equipment that is acquired for a specific Federal-aid highway project. 46 CFR 381.7. It is not applicable to goods or materials that come into inventories independent of an FHWA funded-contract.

When oceanic shipments (or shipments across the Great Lakes) are necessary for materials or equipment acquired for a specific Federal-aid construction project, the bidder, proposer, contractor, subcontractor, or vendor agrees:

1. To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels. 46 CFR 381.7.

2. To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, ‘on-board’ commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b)(1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Office of Cargo and Commercial Sealift (MAR-620), Maritime Administration, Washington, DC 20590. (MARAD requires copies of the ocean carrier's (master) bills of lading, certified onboard, dated, with rates and charges. These bills of lading may contain business sensitive information and therefore may be submitted directly to MARAD by the Ocean Transportation Intermediary on behalf of the contractor). 46 CFR 381.7.

ATTACHMENT A - EMPLOYMENT AND MATERIALS PREFERENCE FOR APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS ROAD CONTRACTS (40 U.S.C. sections 14501(d) and 14701 and the Appalachian Regional Commission Code as authorized under 40 U.S.C. section 14302)
This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 40 U.S.C. 14501 allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

FEDERAL AID PROVISIONS

December 1980

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246)

1. The Offeror's or Bidders attention is called to the "Equal Opportunity Clause" and the Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth therein.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

3. Construction contractors which are participating in an approved Hometown Plan (see 41 CFR 60-4.5) are required to comply with the goals of the Hometown Plan with regard to construction work they perform in the area covered by the Hometown Plan. With regard to all their covered construction work, such contractors are required to comply with the following goals:

Goals for Female participation for each trade

AREA COVERED

Goals for women apply nationwide

GOALS AND TIMETABLES

Goals

Timetable	(Percent)
From April 1, 1978 until March 31, 1979	3.1
From April 1, 1979 until March 31, 1980	5.1
From April 1, 1980 until March 31, 1981	6.9

Goals for Minority Participation for Each Trade

County	Goal (Percent)	County	Goal (Percent)
Adair	4	Linn	4
Andrew	3.2	Livingston	10
Atchison	10	McDonald	2.3
Audrain	4	Macon	4
Barry	2.3	Madison	11.4
Barton	2.3	Maries	11.4
Bates	10	Marion	3.1
Benton	10	Mercer	10
Bollinger	11.4	Miller	4
Boone	6.3	Mississippi	11.4
Buchanan	3.2	Moniteau	4
Butler	11.4	Monroe	4
Caldwell	10	Montgomery	11.4
Callaway	4	Morgan	4

Camden	4	New Madrid	26.5
Cape Girardeau	11.4	Newton	2.3
Carroll	10	Nodaway	10
Carter	11.4	Oregon	2.3
Cass	12.7	Osage	4
Cedar	2.3	Ozark	2.3
Chariton	4	Pemiscot	26.5
Christian	2	Perry	11.4
Clark	3.4	Pettis	10
Clay	12.7	Phelps	11.4
Clinton	10	Pike	3.1
Cole	4	Platte	12.7
Cooper	4	Polk	2.3
Crawford	11.4	Pulaski	2.3
Dade	2.3	Putnam	4
Dallas	2.3	Ralls	3.1
Daviess	10	Randolph	4
DeKalb	10	Ray	12.7
Dent	11.4	Reynolds	11.4
Douglas	2.3	Ripley	11.4
Dunklin	26.5	St. Charles	14.7
Franklin	14.7	St. Clair	2.3
Gasconade	11.4	St. Francois	11.4
Gentry	10	Ste. Genevieve	11.4
Greene	2	St. Louis City	14.7
Grundy	10	St. Louis County	14.7
Harrison	10	Saline	10
Henry	10	Schuyler	4
Hickory	2.3	Scotland	4
Holt	10	Scott	11.4
Howard	4	Shannon	2.3
Howell	2.3	Shelby	4
Iron	11.4	Stoddard	11.4
Jackson	12.7	Stone	2.3
Jasper	2.3	Sullivan	4
Jefferson	14.7	Taney	2.3
Johnson	10	Texas	2.3
Knox	4	Vernon	2.3
Laclede	2.3	Warren	11.4
Lafayette	10	Washington	11.4
Lawrence	2.3	Wayne	11.4
Lewis	3.1	Webster	2.3
Lincoln	11.4	Worth	10
		Wright	2.3

These goals are applicable to all of the contractor's construction work (whether or not is Federal or federally assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and nonfederally involved construction.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on Its Implementation of the Equal Opportunity Clause, specific affirmative action obligations

required by the specifications set forth in 41 CFR 60-4.3(a), and its effort to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority, or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

4. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of $10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

5. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" of the county, route and limits described in the proposal for the work.

July 1986

STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY CONSTRUCTION CONTRACT SPECIFICATIONS (EXECUTIVE ORDER 11246

1. As used in these specifications:

   a. "Covered area" means the geographical area described in the solicitation which this contract resulted.

   b. "Director" mean Director, Office of Federal Contract Compliance Programs, United States Department of labor, or any person to who the Director delegates authority;

   c. "Employer Identification Number" means the Federal Social Security number used on the Employer's quarterly Federal Tax Return, U.S. Treasury Department Form 941;

   d. "Minority" includes;

      (i) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin):
      (ii) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);
      (iii) Asian and pacific islander (all persons having origins in any of the original peoples of the Far East, southeast Asia, the Indian Subcontinent, or the Pacific Islands; and
      (iv) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North American and maintain identifiable affiliations through membership and participation or community identifications.

2. Whenever the Contractor, or any Subcontractor at any tier, subcontractors a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of $10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.

3. If the Contract is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through the association, its affirmative

action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with the Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or Subcontractor participating in an approved Plan is individually required to comply with its obligation under the EEO clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse any covered Contractor's or Subcontractors' failure to take good faith efforts to achieve the Plan goals and timetables.

4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7a through 7p of these specifications. The goals set forth in the solicitation from which this contact resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered Construction contractors performing construction work in geographical areas where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. Goals are published periodically in the Federal Register in notice form, and such notices may be obtained from any Office of Federal Contract Compliance Programs office or from Federal procurement contracting officers. The Contractor is expected to make substantially uniform progress toward its goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with who the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.

6. In order for the nonworking training hours or apprentices and trainees to be counted in meeting the goal, such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.

7. The contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be used its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:

    a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and all facilities at which the Contractor's employees are assigned to work. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.

    b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.

    c. Maintain a current file or the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and what action was taken with respect to

each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred not employed by the contractor, this shall be documented in the file with the reason therefore, along with whatever additional actions the Contractor may have taken.

d. Provide immediate written notification to the Director when the union or unions with which the Contractor has as collective bargaining agreement has not referred to the contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.

e. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant of the contractor's employment needs, especially those programs funded or approved by the Department of Labor. The contractor shall provide notice of these programs to the sources complied under 7b above.

f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement by publicizing it in the company newspaper, annual report, etc., by specific review of the policy with all management personnel and with all minority and female employees at least one a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.

g. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with on-site supervisory personnel such as superintendents, General foreman, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, person attending, subject matter discussed, and the disposition of the subject matter.

h. Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media and providing written notification to and discussing the contractor's EEO policy with other Contractors and Subcontractors with who the Contractor does or anticipates doing business.

i. Direct is a recruitment effort, both oral and written, to minority female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance or applicants for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and test to be used in the selection process.

j. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer vacations employment to minority and female youth both on the site and in other areas or contractor's workforce.

k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.

l. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc. such opportunities.

m. Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligation under these specifications are being carried out.

n. Ensure that all facilities and company activities are non-segregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.

o. Document and maintain a record of all solicitations or offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.

p. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.

8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (7a through 7p). The efforts of a contractor association, joint contractor union, contractor community, or other similar group of which the contractor is a member and participant, may be asserted as fulfilling anyone or more of its obligations under 7a through 7p of these specifications provided that the contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the contractor's minority and female workforce participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.

9. A single goal for minorities and a separate single goal for women have been established to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the group is employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the executive order if a specific minority group of women is underutilized).

10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.

11. The Contractor shall not enter into any Subcontract with any person or firm debarred from Government contract pursuant to Executive Order 11246.

12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.

13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications,

so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Direct shall proceed in accordance with 41 CFR 60-4.8.

14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out to submit reports relating to the provisions hereof as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status, (e.g. mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rat of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.

15. Nothing herein provided shall be constructed as a limitation upon the application of other laws which establish different standard of compliance or upon the application of requirements for the hiring of local or other area residents (e.g. those under the Public Works Employment Action of 1977 and the Community Development Block Grant Program.

OPERATING POLICY STATEMENT

The contractor shall accept as his operating policy the following statement, or one of equal coverage, which is designed to further the provision of equal employment opportunity to all persons without regard to their race, color, religion, sex, or national origin, and to promote the full realization of equal employment opportunity through a positive continuing program.

“It is the policy of this company to assure that applicants are employed, and that employees are treated during employment without regard to their race, religion, sex, color, or national origin. Such action shall include: employment, upgrading, demotion, or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training.”

SUPPLEMENTAL REPORTING REQUIREMENTS

A. The Contractor will keep such records as are necessary to determine compliance with the contractor’s equal employment opportunity obligations. The records kept by the contractor will be designed to indicate the number of minority and non-minority group members and women employed in each work classification on the project.

B. All such records must be retained for a period of three years following completion of the contract work and shall be available at reasonable times and places for inspection by authorized representatives of the State Highway Agency and the Federal Highway Administration.

C. The contractor and each covered subcontractor will submit to the State Highway Agency, for the month of July, for the duration of the project, a report (Form PR-1391) “Federal-Aid Highway Construction Contractors Annual EEO Report”, indicating the number of minority, women and non-minority group employees currently engaged in each work classification required by the contract work.

NONDISCRIMINATION IN EMPLOYMENT

July 1990

The following provisions are added by the State to the Required Contract Provisions of Federal-Aid Contracts.

The contractor is advised that the exemptions referred to in the Required Contract Provisions, Federal-Aid contracts under Section II, Nondiscrimination, Paragraph 3g, with respect to contracts and subcontracts, are substantial and are to be found in Chapter 60, Office of Federal Contract Compliance, Equal Employment Opportunity, Department of Labor (33 Federal Register 7804-7812, May 28, 1968, effective July 1, 1968, Chapter 60, Title 41, Code of Federal Regulations), by which contracts and subcontracts of $10,000 or less and certain contracts and subcontracts for indefinite quantities are exempt.

The two pertinent exemption clauses are as follows:

60-1.5 Exemptions

(a) General – (1) Transactions of $10,000 or under. Contracts and Subcontractors not exceeding $10,000, other than Government bills of lading, and other than contract and subcontracts with depositories of Federal funds in any amount and with financial institutions which are issuing and paying agents for U.S. savings bonds and savings notes, are exempt from the requirements of the equal opportunity clause. In determining the applicability of this exemption to any federally assisted construction contract, or subcontract thereunder, the amount of such contract or subcontract rather than the amount of the Federal financial assistance shall govern. No agency, contractor, or subcontractor shall procure supplies or services in a manner so as to avoid applicability of the equal opportunity clause: Provided, that where a contractor has contracts or subcontracts with the Government in any 12-month period which have an aggregate total value (or can reasonably be expected to have an aggregate total value) exceeding $10,000, the $10,000 or under exemption does not apply, and the contracts are subject to the order and the regulation issued pursuant thereto regardless of whether any single contracts exceeds $10,000.

Missouri
Division of Labor Standards
WAGE AND HOUR SECTION

MIKE KEHOE, Governor

Annual Wage Order No. 33

Section 100
ST. LOUIS COUNTY

In accordance with Section 290.262 RSMo 2000, within thirty (30) days after a certified copy of this Annual Wage Order has been filed with the Secretary of State as indicated below, any person who may be affected by this Annual Wage Order may object by filing an objection in triplicate with the Labor and Industrial Relations Commission, P.O. Box 599, Jefferson City, MO 65102-0599. Such objections must set forth in writing the specific grounds of objection. Each objection shall certify that a copy has been furnished to the Division of Labor Standards, P.O. Box 449, Jefferson City, MO 65102-0449 pursuant to 8 CSR 20-5.010(1). A certified copy of the Annual Wage Order has been filed with the Secretary of State of Missouri.

Original Signed by
Logan Hobbs, Director
Division of Labor Standards

Filed With Secretary of State: **March 10, 2026**

Last Date Objections May Be Filed: **April 9, 2026**

Prepared by Missouri Department of Labor and Industrial Relations

ST. LOUIS COUNTY

OCCUPATIONAL TITLE	**Prevailing Hourly Rate
Asbestos Worker	$72.26
Boilermaker	$44.93*
Bricklayer - Stone Mason	$65.89
Carpenter	$69.38
Lather	
Linoleum Layers & Cutter	
Millwright	
Pile Driver	
Cement Mason	$61.40
Plasterer	
Communication Technician	$67.84
Electrician (Inside Wireman)	$79.41
Electrician (Outside Lineman)	$44.93*
Outside - Groundman	
Outside - Groundman Tree Trimmer	
Outside - Lineman Operator	
Outside - Lineman Tree Trimmer	
Elevator Constructor	$106.30
Glazier	$71.63
Iron Worker	$75.80
Laborer	$58.92
Laborer - First Semi-Skilled	
Laborer - General	
Laborer - Second Semi-Skilled	
Laborer - Skilled	
Mason	$57.31
Marble Finisher	
Marble Mason	
Terrazzo Finisher	
Terrazzo Worker	
Tile Finisher	
Tile Setter	
Operating Engineer	$76.62
Operating Engineer - Group I	
Operating Engineer - Group II	
Operating Engineer - Group III	
Operating Engineer - Group III - A	
Operating Engineer - Group IV	
Operating Engineer - Group V	
Painter	$57.67
Plumber	$83.99
Pipe Fitter	
Roofer/WaterProofer	$62.13
Sheet Metal Worker	$78.63
Sprinkler Fitter - Fire Protection	$88.12
Truck Driver	$44.93*
Truck Control Service Driver	
Truck Driver, Teamsters Group I	
Truck Driver, Teamsters Group II	
Truck Driver, Teamsters Group III	
Truck Driver, Teamsters Group IV	

*** The Division of Labor Standards received fewer than 1,000 reportable hours for this occupational title. The public works contracting minimum wage is established for this occupational title using data provided by Missouri Economic Research and Information Center.**

****The Prevailing Hourly Rate includes any applicable fringe benefit amounts for each occupational title as defined in RSMo Section 290.210.**

ST. LOUIS COUNTY

OCCUPATIONAL TITLE	**Prevailing Hourly Rate
Carpenter	$70.28
Millwright	
Pile Driver	
Electrician (Outside Lineman)	$77.51
Outside - Groundman	
Outside - Groundman Tree Trimmer	
Outside - Lineman Operator	
Outside - Lineman Tree Trimmer	
Laborer	$59.45
Laborer - General	
Laborer - Skilled	
Operating Engineer	$76.52
Operating Engineer - Group I	
Operating Engineer - Group II	
Operating Engineer - Group III	
Operating Engineer - Group IV	
Truck Driver	$40.45
Truck Control Service Driver	
Truck Driver, Teamsters Group I	
Truck Driver, Teamsters Group II	
Truck Driver, Teamsters Group III	
Truck Driver, Teamsters Group IV	

Use Heavy Construction Rates on Highway and Heavy construction in accordance iwth the classifications of construction work established in 8 CSR 30-3.040(3).

Use Building Construction Rates on Building construction in accordance with the classifications of construction work established in 8 CSR 30-3.040(2).

If a worker is performing work on a heavy construction project within an occupational title that is not listed on the Heavy Construction Rate Sheet, use the rate for that occupational title shown on the Building Construction Rate Sheet.

*The Division of Labor Standards received fewer than 1,000 reportable hours for this occupational title. Public works contracting minimum wage is established for this occupational title using data provided by Missouri Economic Research and Information Center.

**The Prevailing Hourly Rate includes any applicable fringe benefit amounts for each occupational title.

OVERTIME
and
HOLIDAYS

OVERTIME

For all work performed on a Sunday or a holiday, not less than twice (2x) the prevailing hourly rate of wages for work of a similar character in the locality in which the work is performed or the public works contracting minimum wage, whichever is applicable, shall be paid to all workers employed by or on behalf of any public body engaged in the construction of public works, exclusive of maintenance work.

For all overtime work performed, not less than one and one-half (1½) the prevailing hourly rate of wages for work of a similar character in the locality in which the work is performed or the public works contracting minimum wage, whichever is applicable, shall be paid to all workers employed by or on behalf of any public body engaged in the construction of public works, exclusive of maintenance work or contractual obligation. For purposes of this subdivision, **"overtime work"** shall include work that exceeds ten hours in one day and work in excess of forty hours in one calendar week; and

A thirty-minute lunch period on each calendar day shall be allowed for each worker on a public works project, provided that such time shall not be considered as time worked.

HOLIDAYS

January first;
The last Monday in May;
July fourth;
The first Monday in September;
November eleventh;
The fourth Thursday in November; and
December twenty-fifth;

If any holiday falls on a Sunday, the following Monday shall be considered a holiday.

"General Decision Number: MO20260001 07/30/2026

State: Missouri

Construction Types: Heavy and Highway

Counties: Missouri Counties of
Adair, Andrew, Atchison, Audrain, Barry,
Barton, Bates, Benton, Bollinger, Boone,
Buchanan, Butler, Caldwell, Callaway,
Camden, Cape Girardeau, Carroll, Carter,
Cass, Cedar, Chariton, Christian, Clark,
Clay, Clinton, Cole, Cooper, Crawford,
Dade, Dallas, Daviess, De Kalb, Dent,
Douglas, Dunklin, Franklin, Gasconade,
Gentry, Greene, Grundy, Harrison, Henry,
Hickory, Holt, Howard, Howell, Iron,
Jackson, Jasper, Jefferson, Johnson,
Knox, Laclede, Lafayette, Lawrence,
Lewis, Lincoln, Linn, Livingston, Macon,
Madison, Maries, Marion, McDonald,
Mercer, Miller, Mississippi, Moniteau,
Monroe, Montgomery, Morgan, New Madrid,
Newton, Nodaway, Oregon, Osage, Ozark,
Pemiscot, Perry, Pettis, Phelps, Pike,
Platte, Polk, Pulaski, Putnam, Ralls,
Randolph, Ray, Reynolds, Ripley, Saline,
Schuyler, Scotland, Scott, Shannon,
Shelby, St Charles, St Clair, St
Francois, St Louis, St Louis City, Ste
Genevieve, Stoddard, Stone, Sullivan,
Taney, Texas, Vernon, Warren,
Washington, Wayne, Webster, Worth and
Wright

Heavy Construction

Highway Construction

Modification Number	Publication Date
1	01/09/2026
2	05/18/2026
3	07/30/2026

CARP0002-002 05/01/2024

	Rates	Fringes
CARPENTERS (ST. LOUIS COUNTY AND CITY)	$ 41.71	21.85

CARP0005-006 05/01/2024

	Rates	Fringes
CARPENTERS: CARPENTERS & LATHERS (CASS (RICHARDS-GEBAUER AFB ONLY), CLAY, JACKSON, PLATTE AND RAY COUNTIES)	$ 44.63	22.40
CARPENTERS: MILLWRIGHTS & PILEDRIVERS (CASS (RICHARDS-GEBAUER AFB ONLY), CLAY, JACKSON, PLATTE		

AND RAY COUNTIES).....$ 44.63 22.40

CARP0011-001 05/01/2024

	Rates	Fringes
CARPENTER AND PILEDRIVER (ADAIR, AUDRAIN (WEST OF HWY 19), BOONE, CALLAWAY, CHARITON, COLE, COOPER, HOWARD, KNOX,LINN, MACON, MILLER, MONITEAU,MONROE, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SHELBY AND SULLIVAN COUNTIES)	$ 35.61	22.40
CARPENTER AND PILEDRIVER (ATCHISON, ANDREW, BATES, CALDWELL, CARROLL,DAVIESS, DEKALB,GENTRY, GRUNDY, HARRISON, HENRY, HOLT, LIVINGSTON, MERCER, NODAWAY,ST. CLAIR, SALINE AND WORTH COUNTIES)	$ 34.98	22.40
CARPENTER AND PILEDRIVER (AUDRAIN (EAST OF HWY.19), RALLS, MARION, LEWIS, CLARK AND SCOTLAND COUNTIES)	$ 35.61	22.40
CARPENTER AND PILEDRIVER (BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY,JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES)	$ 33.25	22.40
CARPENTER AND PILEDRIVER (BENTON, MORGAN AND PETTIS)	$ 34.98	22.40
CARPENTER AND PILEDRIVER (BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MISSISSIPPI, NEW MADRID, PEMISCOT, PERRY, STE. GENEVIEVE, SCOTT, STODDARD AND WAYNE COUNTIES)	$ 35.37	22.40
CARPENTER AND PILEDRIVER (BUCHANAN, CLINTON, JOHNSON AND LAFAYETTE COUNTIES)	$ 34.98	22.40
CARPENTER AND PILEDRIVER (CARTER, HOWELL, OREGON AND RIPLEY COUNTIES)	$ 34.04	22.40
CARPENTER AND PILEDRIVER (CRAWFORD, DENT, GASCONADE, IRON, MADISON, MARIES, MONTGOMERY, PHELPS, PULASKI, REYNOLDS, SHANNON AND TEXAS COUNTIES)	$ 35.37	22.40
CARPENTER AND PILEDRIVER (FRANKLIN COUNTY)	$ 42.19	22.40
CARPENTER AND PILEDRIVER (JEFFERSON AND ST. CHARLES COUNTIES)	$ 42.19	22.40
CARPENTER AND PILEDRIVER (LINCOLN COUNTY)	$ 38.04	22.40
CARPENTER AND PILEDRIVER (PIKE, ST. FRANCOIS AND WASHINGTON COUNTIES)	$ 36.13	22.40
CARPENTER AND PILEDRIVER (WARREN COUNTY)	$ 38.04	22.40

ELEC0001-002 06/22/2025

	Rates	Fringes
ELECTRICIANS (BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, FRANKLIN, IRON, JEFFERSON, LINCOLN, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, PERRY,REYNOLDS, RIPLEY, ST. CHARLES, ST. FRANCOIS, ST. LOUIS (CITY AND COUNTY), STE. GENEVIEVE, SCOTT, STODDARD, WARREN, WASHINGTON AND WAYNE COUNTIES)	$ 49.29	33.64

ELEC0002-001 08/31/2025

	Rates	Fringes
LINE CONSTRUCTION:: EQUIPMENT OPERATOR (ADAIR, AUDRAIN, BOONE, CALLAWAY, CAMDEN, CARTER, CHARITON, CLARK, COLE, COOPER, CRAWFORD, DENT, FRANKLIN, GASCONADE, HOWARD, HOWELL, IRON, JEFFERSON, KNOX, LEWIS, LINCON, LINN, MACON, MARIES, MARION, MILLER, MONITEAU, MONROE, MONTGOMERY, MORGAN, OREGON, OSAGE, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. CHARLES, ST.		

FRANCOIS, ST. LOUIS (CITY AND COUNTY), STE. GENEVIEVE, SCHUYLER, SCOTLAND, SHANNON, SHELBY, SULLIVAN, TEXAS.....$ 49.68 25.63

LINE CONSTRUCTION:: GROUNDMAN & TRUCK DRIVER (ADAIR, AUDRAIN, BOONE, CALLAWAY, CAMDEN, CARTER, CHARITON, CLARK, COLE, COOPER, CRAWFORD, DENT, FRANKLIN, GASCONADE, HOWARD, HOWELL, IRON, JEFFERSON, KNOX, LEWIS, LINCON, LINN, MACON, MARIES, MARION, MILLER, MONITEAU, MONROE, MONTGOMERY, MORGAN, OREGON, OSAGE, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. CHARLES, ST. FRANCOIS, ST. LOUIS (CITY AND COUNTY), STE. GENEVIEVE, SCHUYLER, SCOTLAND, SHANNON, SHELBY, SULLI.....$ 37.95 21.35

LINE CONSTRUCTION:: LINEMAN & CABLE SPLICER (ADAIR, AUDRAIN, BOONE, CALLAWAY, CAMDEN, CARTER, CHARITON, CLARK, COLE, COOPER, CRAWFORD, DENT, FRANKLIN, GASCONADE, HOWARD, HOWELL, IRON, JEFFERSON, KNOX, LEWIS, LINCON, LINN, MACON, MARIES, MARION, MILLER, MONITEAU, MONROE, MONTGOMERY, MORGAN, OREGON, OSAGE, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. CHARLES, ST. FRANCOIS, ST. LOUIS (CITY AND COUNTY), STE. GENEVIEVE, SCHUYLER, SCOTLAND, SHANNON, SHELBY, SULLIV.....$ 57.88 28.63

ELEC0053-005 08/31/2025

	Rates	Fringes
LINE CONSTRUCTION: GROUNDMAN (ANDREW, ATCHINSON, BARRY, BARTON, BATES, BENTON, BUCHANAN, CALDWELL, CARROLL, CASS, CEDAR, CHRISTIAN, CLAY, CLINTON, DADE, DALLAS, DAVIES, DEKALB, DOUGLAS, GENTRY, GREENE, GRUNDY, HARRISON, HENRY, HICKORY, HOLT, LAFAYETTE, JACKSON, JASPER, LACLEDE, LAWRENCE, LIVINGSTON, JOHNSON, MCDONALD, MERCER, NEWTON, NODAWAY, OZARK, PETTIS, PLATTE, POLK, RAY, SALINE, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, WORTH AND WRIGHT COUNTIES)	$ 35.86	25.88
LINE CONSTRUCTION: GROUNDMAN POWDERMAN (ANDREW, ATCHINSON, BARRY, BARTON, BATES, BENTON, BUCHANAN, CALDWELL, CARROLL, CASS, CEDAR, CHRISTIAN, CLAY, CLINTON, DADE, DALLAS, DAVIES, DEKALB, DOUGLAS, GENTRY, GREENE, GRUNDY, HARRISON, HENRY, HICKORY, HOLT, LAFAYETTE, JACKSON, JASPER, LACLEDE, LAWRENCE, LIVINGSTON, JOHNSON, MCDONALD, MERCER, NEWTON, NODAWAY, OZARK, PETTIS, PLATTE, POLK, RAY, SALINE, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, WORTH AND WRIGHT COUNTIES)	$ 38.44	20.76
LINE CONSTRUCTION: LINEMAN (ANDREW, ATCHINSON, BARRY, BARTON, BATES, BENTON, BUCHANAN, CALDWELL, CARROLL, CASS, CEDAR, CHRISTIAN, CLAY, CLINTON, DADE, DALLAS, DAVIES, DEKALB, DOUGLAS, GENTRY, GREENE, GRUNDY, HARRISON, HENRY, HICKORY, HOLT, LAFAYETTE, JACKSON, JASPER, LACLEDE, LAWRENCE, LIVINGSTON, JOHNSON, MCDONALD, MERCER, NEWTON, NODAWAY, OZARK, PETTIS, PLATTE, POLK, RAY, SALINE, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, WORTH AND WRIGHT COUNTIES)	$ 58.15	27.56
LINE CONSTRUCTION: LINEMAN OPERATOR (ANDREW, ATCHINSON, BARRY, BARTON, BATES, BENTON, BUCHANAN, CALDWELL, CARROLL, CASS, CEDAR, CHRISTIAN, CLAY, CLINTON, DADE, DALLAS, DAVIES, DEKALB, DOUGLAS, GENTRY, GREENE, GRUNDY, HARRISON, HENRY, HICKORY, HOLT, LAFAYETTE, JACKSON, JASPER, LACLEDE,		

LAWRENCE, LIVINGSTON, JOHNSON, MCDONALD, MERCER, NEWTON, NODAWAY, OZARK, PETTIS, PLATTE, POLK, RAY, SALINE, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, WORTH AND WRIGHT COUNTIES).....$ 52.45 20.13

ELEC0095-001 06/01/2025

	Rates	Fringes
ELECTRICIANS: ELECTRICIANS (BARRY, BARTON, CEDAR, DADE, JASPER, LAWRENCE, MCDONALD, NEWTON, ST CLAIR, AND VERNON COUNTIES)	$ 32.25	20.81

ELEC0124-007 09/01/2025

	Rates	Fringes
ELECTRICIANS (BATES, BENTON, CARROLL, CASS, CLAY, COOPER, HENRY, JACKSON, JOHNSON, LAFAYETTE, MORGAN, PETTIS, PLATTE, RAY AND SALINE COUNTIES:)	$ 54.01	27.85

ELEC0257-003 03/01/2025

	Rates	Fringes
ELECTRICIANS:: ELECTRICIANS (AUDRAIN (EXCEPT CUIVRE TOWNSHIP), BOONE, CALLAWAY, CAMDEN, CHARITON, COLE, CRAWFORD, DENT, GASCONADE, HOWARD, MARIES, MILLER, MONITEAU, OSAGE, PHELPS AND RANDOLPH COUNTIES)	$ 40.50	23.26

ELEC0350-002 12/01/2024

	Rates	Fringes
ELECTRICIANS (ADAIR, AUDRAIN (EAST OF HIGHWAY 19), CLARK, KNOX, LEWIS, LINN, MACON, MARION, MONROE, MONTGOMERY, PIKE, PUTNAM, RALLS, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES)	$ 37.60	22.14

ELEC0453-001 09/01/2024

	Rates	Fringes
ELECTRICIANS: (CHRISITAN, DALLAS, DOUGLAS, GREENE, HICKORY, HOWELL, LACLEDE, OREGON, OZARK, POLK, SHANNON, WEBSTER AND WRIGHT COUNTIES)	$ 32.40	19.11
ELECTRICIANS: (PULASKI AND TEXAS COUNTIES)	$ 39.70	19.84
ELECTRICIANS: (STONE AND TANEY COUNTIES)	$ 28.65	18.34

ELEC0545-003 06/01/2025

	Rates	Fringes
ELECTRICIANS: (ANDREW, BUCHANAN, CLINTON, DEKALB, ATCHISON, HOLT, MERCER, GENTRY, HARRISON, DAVIESS, GRUNDY, WORTH, LIVINGSTON, NODAWAY, AND CALDWELL COUNTIES)	$ 43.20	21.50

ELEC0702-004 01/06/2025

	Rates	Fringes
LINE CONSTRUCTION:: GROUNDMAN - CLASS A (BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, SCOTT, STODDARD AND WAYNE COUNTIES)	$ 38.18	19.92
LINE CONSTRUCTION:: GROUNDMAN-EQUIPMENT OPERATOR CLASS II (ALL OTHER EQUIPMENT) (BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, SCOTT, STODDARD AND WAYNE COUNTIES)	$ 46.49	22.33
LINE CONSTRUCTION:: HEAVY-EQUIPMENT OPERATOR CLASS		

I (ALL CRAWLER TYPE EQUIPMENT D-4 AND LARGER) (BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, SCOTT, STODDARD AND WAYNE COUNTIES).....$ 52.13 23.97
LINE CONSTRUCTION:: LINEMAN (BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, SCOTT, STODDARD AND WAYNE COUNTIES).....$ 74.55 30.47

ENGI0101-001 05/01/2025

	Rates	Fringes
POWER EQUIPMENT OPERATORS: GROUP 1 AREA 1.....	$ 38.83	21.87
POWER EQUIPMENT OPERATORS: GROUP 2 AREA 1.....	$ 38.43	21.87
POWER EQUIPMENT OPERATORS: GROUP 3 AREA 1.....	$ 36.43	21.87

ENGI0101-005 04/01/2025

	Rates	Fringes
POWER EQUIPMENT OPERATORS: GROUP 1 (CASS, CLAY, JACKSON,PLATTE AND RAY COUNTIES).....	$ 40.17	22.29
POWER EQUIPMENT OPERATORS: GROUP 2 (CASS, CLAY, JACKSON,PLATTE AND RAY COUNTIES).....	$ 39.13	22.29
POWER EQUIPMENT OPERATORS: GROUP 3 (CASS, CLAY, JACKSON,PLATTE AND RAY COUNTIES).....	$ 34.66	22.29
POWER EQUIPMENT OPERATORS: GROUP 4 (CASS, CLAY, JACKSON,PLATTE AND RAY COUNTIES).....	$ 38.01	22.29

ENGI0101-022 05/01/2025

	Rates	Fringes
POWER EQUIPMENT OPERATORS: GROUP 1 (BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES and CITY OF SPRINGFIELD).....	$ 36.60	19.32
POWER EQUIPMENT OPERATORS: GROUP 2 (BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES and CITY OF SPRINGFIELD).....	$ 36.25	19.32
POWER EQUIPMENT OPERATORS: GROUP 3 (BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES and CITY OF SPRINGFIELD).....	$ 36.05	19.32
POWER EQUIPMENT OPERATORS: GROUP 4 (BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES and CITY OF SPRINGFIELD).....	$ 34.00	19.32

ENGI0513-004 05/05/2025

	Rates	Fringes
POWER EQUIPMENT OPERATORS: GROUP 1 (FRANKLIN, JEFFERSON, LINCOLN, ST CHARLES, AND WARREN COUNTIES).....	$ 45.96	30.96
POWER EQUIPMENT OPERATORS: GROUP 2 (FRANKLIN, JEFFERSON, LINCOLN, ST CHARLES, AND WARREN COUNTIES).....	$ 45.96	30.96

POWER EQUIPMENT OPERATORS: GROUP 3 (FRANKLIN, JEFFERSON, LINCOLN, ST CHARLES, AND WARREN COUNTIES).....$ 44.66 30.96
POWER EQUIPMENT OPERATORS: GROUP 4 (FRANKLIN, JEFFERSON, LINCOLN, ST CHARLES, AND WARREN COUNTIES).....$ 44.22 30.96

ENGI0513-006 05/01/2025

	Rates	Fringes
POWER EQUIPMENT OPERATORS: GROUP 1 (ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY, CAPE GIRARDEAU, CARTER, CLARK, COLE, CRAWFORD, DENT, DUNKLIN, GASCONADE, HOWELL, IRON, KNOX, LEWIS, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY, MORGAN, NEW MADRID, OREGON, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. FRANCOIS, STE. GENEVIEVE, SCHUYLER, SCOTLAND, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON, AND WAY.....	$ 40.39	30.33
POWER EQUIPMENT OPERATORS: GROUP 2 (ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY, CAPE GIRARDEAU, CARTER, CLARK, COLE, CRAWFORD, DENT, DUNKLIN, GASCONADE, HOWELL, IRON, KNOX, LEWIS, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY, MORGAN, NEW MADRID, OREGON, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. FRANCOIS, STE. GENEVIEVE, SCHUYLER, SCOTLAND, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON, AND WAY.....	$ 40.04	30.33
POWER EQUIPMENT OPERATORS: GROUP 3 (ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY, CAPE GIRARDEAU, CARTER, CLARK, COLE, CRAWFORD, DENT, DUNKLIN, GASCONADE, HOWELL, IRON, KNOX, LEWIS, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY, MORGAN, NEW MADRID, OREGON, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. FRANCOIS, STE. GENEVIEVE, SCHUYLER, SCOTLAND, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON, AND WAY.....	$ 39.84	30.33
POWER EQUIPMENT OPERATORS: GROUP 4 (ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY, CAPE GIRARDEAU, CARTER, CLARK, COLE, CRAWFORD, DENT, DUNKLIN, GASCONADE, HOWELL, IRON, KNOX, LEWIS, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY, MORGAN, NEW MADRID, OREGON, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. FRANCOIS, STE. GENEVIEVE, SCHUYLER, SCOTLAND, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON, AND WAY.....	$ 36.19	30.33

ENGI0513-007 05/05/2025

	Rates	Fringes
POWER EQUIPMENT OPERATORS: GROUP 1 (ST. LOUIS CITY AND COUNTY).....	$ 45.96	30.96
POWER EQUIPMENT OPERATORS: GROUP 2 (ST. LOUIS CITY AND COUNTY).....	$ 45.96	30.96
POWER EQUIPMENT OPERATORS: GROUP 3 (ST. LOUIS CITY AND COUNTY).....	$ 44.66	30.96
POWER EQUIPMENT OPERATORS: GROUP 4 (ST. LOUIS CITY		

AND COUNTY).....$ 44.22 30.96

IRON0010-012 04/01/2025

	Rates	Fringes
IRONWORKERS: (ANDREW, BARTON, BENTON, CAMDEN, CEDAR, CHARITON, CHRISTIAN, COOPER, DADE, DALLAS, DAVIESS, DE KALB, GENTRY, GREENE, GRUNDY, HARRISON, HICKORY, HOLT, HOWARD, LACLEDE, LINN, LIVINGSTON, MERCER, MONITEAU, MORGAN, NODAWAY, PETTIS, POLK, PUTNAM, RANDLOPH, ST. CLAIR, SULLIVAN, TANEY, VERNON, WEBSTER, WRIGHT AND WORTH COUNTIES AND PORTIONS OF ADAIR, BOONE, MACON, MILLER AND RANDOLPH COUNTIES)	$ 36.00	34.25
IRONWORKERS: (ATCHISON, BATES, BUCHANAN, CALDWELL, CARROLL, CASS, CLAY, CLINTON, HENRY, JACKSON, JOHNSON, LAFAYETTE, PETTIS, PLATTE, SALINE, AND RAY COUNTIES)	$ 39.00	34.25

IRON0010-020 04/01/2025

	Rates	Fringes
IRONWORKERS: (BARRY, JASPER, LAWRENCE, MCDONALD, NEWTON AND STONE COUNTIES)	$ 36.00	34.25

IRON0321-002 08/01/2023

	Rates	Fringes
IRONWORKER (DOUGLAS, HOWELL AND OZARK COUNTIES)	$ 27.00	20.96

IRON0396-004 08/06/2025

	Rates	Fringes
IRONWORKER (ST. LOUIS (CITY AND COUNTY), ST. CHARLES, JEFFERSON, IRON, FRANKLIN, LINCOLN, WARREN, WASHINGTON, ST. FRANCOIS, STE. GENEVIEVE, AND REYNOLDS COUNTIES; AND PORTIONS OF MADISON, PERRY, BOLLINGER, WAYNE, AND CARTER COUNTIES)	$ 44.27	31.65

IRON0396-009 08/07/2024

	Rates	Fringes
IRONWORKER (AUDRAIN, CALLAWAY, COLE, CRAWFORD, DENT, GASCONADE, MARIES, MONTGOMERY, OSAGE, PHELPS, PIKE, PULASKI, TEXAS AND WRIGHT COUNTIES; AND PORTIONS OF BOONE, CAMDEN, DOUGLAS, HOWELL, LACLEDE, MILLER, MONROE, OREGON, SHANNON AND RALLS COUNTIES)	$ 41.67	31.25

IRON0577-005 06/01/2025

	Rates	Fringes
IRONWORKER (ADAIR, CLARK, KNOX, LEWIS, MACON, MARION, MONROE, RALLS, SCHUYLER, SCOTLAND, AND SHELBY COUNTIES)	$ 36.30	25.80

IRON0782-003 08/01/2023

	Rates	Fringes
IRONWORKERS:: ALL OTHER WORK (CAPE GIRARDEAU, MISSISSIPPI, NEW MADRID, SCOTT, & STODDARD COUNTIES; AND PORTIONS OF BOLLINGER, BUTLER, CARTER, DUNKLIN, MADISON, PEMISCOT, PERRY, RIPLEY, AND WAYNE COUNTIES)	$ 33.47	24.12
IRONWORKERS:: LOCKS, DAMS, BRIDGES AND OTHER MAJOR		

WORK ON THE MISSISSIPPI AND OHIO RIVER ONLY (CAPE GIRARDEAU, MISSISSIPPI, NEW MADRID, SCOTT, & STODDARD COUNTIES; AND PORTIONS OF BOLLINGER, BUTLER, CARTER, DUNKLIN, MADISON, PEMISCOT, PERRY, RIPLEY, AND WAYNE COUNTIES).....$ 38.77 29.51

LABO0042-003 06/04/2025

	Rates	Fringes
LABORER: PLUMBER LABORER (ST. LOUIS (CITY AND COUNTY))	$ 40.82	17.56

LABO0042-005 06/04/2025

	Rates	Fringes
LABORER: DYNAMITER, POWDERMAN (ST. LOUIS (CITY AND COUNTY))	$ 40.82	17.56
LABORER: LABORERS, FLAGGERS (ST. LOUIS (CITY AND COUNTY))	$ 40.82	17.56
LABORER: WRECKING (ST. LOUIS (CITY AND COUNTY))	$ 40.82	17.56

LABO0110-005 05/01/2025

	Rates	Fringes
LABORER GROUP 1 GENERAL LABORER-FLAGMAN, CARPENTER TENDERS; SALAMANDER TENDERS; DUMP MAN; TICKET TAKERS; LOADING TRUCKS UNDER BINS, HOPPERS, AND CONVEYORS; TRACK MAN; CEMENT HANDLER; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; SPREADER ON ASPHALT MACHINE; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP PAVERS ROCK, BLOCK OR BRICK; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIP MAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLING, OIL, DRAINAGE PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR; ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; FORM SETTERS, PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND HANDLING EPOXY MATERIAL; TOPPER OF STANDING TREES; FEEDER MAN ON WOOD PULVERIZERS, BOARD AND WILLOW MAT WEAVERS AND CABELEE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FT. WHERE COMPRESSED AIR IS NOT USED; ABUTEMENT AND PIER HOLE MEN WORKING SIX (6) FT. OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTING IN THE RIVER; BARCO TAMPER; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; LINERS, CURB, GUTTERS, DITCH LINES; HOT MASTIC KETTLEMEN; HOT TAR APPLICATOR; HAND BLADE OPERATOR; MORTAR MEN OR BRICK OR BLOCK MANHOLES; RUBBING CONCRETE, AIR TOOL OPERATOR UNDER 65 LBS.; CAULKER AND LEAD MAN; CHAIN OR CONCRETE SAW UNDER 15 H.P.; SIGNAL GAN; GUARD RAIL AND SIGN ERECTORS. (WASHINGTON COUNTY).	$ 37.25	15.96
LABORER GROUP 2 SKILLED LABORERS - VIBRATOR MAN; ASPHALT RAKER; HEAD PIPE LAYER ON SEWER WORK; BATTERBOARD MAN ON PIPE AND DITCH WORK; CLIFF SCALERS WORKING FROM BOSUN'S CHAIRS; SCAFFOLDS OR PLATFORMS ON DAMS OR POWER PLANTS OVER 10 FT. HIGH; AIR TOOL OPERATOR OVER 65 LBS.; STRINGLINE MAN ON		

CONCRETE PAVING; SANDBLAST MAN; LASER BEAM MAN; WAGON DRILL; CHURN DRILL; AIR TRACK DRILL AND ALL OTHER SIMILAR TYPE DRILLS, GUNITE NOZZLE MAN; PRESSURE GROUT MAN; SCREED MAN ON ASPHALT; CONCRETE SAW 15 H.P. AND OVER; GRADE CHECKER; STRIGLINE MAN ON ELECTRONIC GRADE CONTROL; MANHOLE BUILDER; DYNAMITE MAN; POWDER MAN; WELDER; TUNNEL MAN; WATERBLASTER - 1000 PSI OR OVER; ASBESTOS AND/OR HAZARDOUS WASTE REMOVAL AND/OR DISPOSAL (WASHINGTON COUNTY).....$ 37.25 15.96

LABORER: GROUP 1 GENERAL LABORER-FLAGMAN, CARPENTER TENDERS; SALAMANDER TENDERS; DUMP MAN; TICKET TAKERS; LOADING TRUCKS UNDER BINS, HOPPERS, AND CONVEYORS; TRACK MAN; CEMENT HANDLER; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; SPREADER ON ASPHALT MACHINE; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP PAVERS ROCK, BLOCK OR BRICK; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIP MAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLING, OIL, DRAINAGE PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR; ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; FORM SETTERS, PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND HANDLING EPOXY MATERIAL; TOPPER OF STANDING TREES; FEEDER MAN ON WOOD PULVERIZERS, BOARD AND WILLOW MAT WEAVERS AND CABELEE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FT. WHERE COMPRESSED AIR IS NOT USED; ABUTEMENT AND PIER HOLE MEN WORKING SIX (6) FT. OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTING IN THE RIVER; BARCO TAMPER; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; LINERS, CURB, GUTTERS, DITCH LINES; HOT MASTIC KETTLEMEN; HOT TAR APPLICATOR; HAND BLADE OPERATOR; MORTAR MEN OR BRICK OR BLOCK MANHOLES; RUBBING CONCRETE, AIR TOOL OPERATOR UNDER 65 LBS.; CAULKER AND LEAD MAN; CHAIN OR CONCRETE SAW UNDER 15 H.P.; SIGNAL GAN; GUARD RAIL AND SIGN ERECTORS. (JEFFERSON COUNTY)...$ 40.36 15.96

LABORER: GROUP 2 SKILLED LABORERS - VIBRATOR MAN; ASPHALT RAKER; HEAD PIPE LAYER ON SEWER WORK; BATTERBOARD MAN ON PIPE AND DITCH WORK; CLIFF SCALERS WORKING FROM BOSUN'S CHAIRS; SCAFFOLDS OR PLATFORMS ON DAMS OR POWER PLANTS OVER 10 FT. HIGH; AIR TOOL OPERATOR OVER 65 LBS.; STRINGLINE MAN ON CONCRETE PAVING; SANDBLAST MAN; LASER BEAM MAN; WAGON DRILL; CHURN DRILL; AIR TRACK DRILL AND ALL OTHER SIMILAR TYPE DRILLS, GUNITE NOZZLE MAN; PRESSURE GROUT MAN; SCREED MAN ON ASPHALT; CONCRETE SAW 15 H.P. AND OVER; GRADE CHECKER; STRIGLINE MAN ON ELECTRONIC GRADE CONTROL; MANHOLE BUILDER; DYNAMITE MAN; POWDER MAN; WELDER; TUNNEL MAN; WATERBLASTER - 1000 PSI OR OVER; ASBESTOS AND/OR HAZARDOUS WASTE REMOVAL AND/OR DISPOSAL (JEFFERSON COUNTY).....$ 40.36 15.96

LABO0579-005 05/01/2023

	Rates	Fringes

LABORER, GROUP 1 GENERAL LABORERS - CARPENTER TENDERS; SALAMANDER TENDERS; LOADING TRUCKS UNDER BINS; HOPPERS & CONVEYORS; TRACK MEN & ALL OTHER GENERAL LABORERS; AIR TOOL OPERATOR; CEMENT HANDLER-BULK OR SACK; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP PAVERS - ROCK, BLOCK OR BRICK; SIGNAL MAN; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIPMAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLINE, OIL DRAINAGE PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR, ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND HANDLING EPOXY MATERIAL OR MATERIALS (WHERE SPECIAL PROTECTION IS REQUIRED); RUBBING CONCRETE; TOPPER OF STANDING TREES; BATTER BOARD MAN ON PIPE AND DITCH WORK; FEEDER MAN ON WOOD PULVERIZERS; BOARD AND WILLOW MAT WEAVERS AND CABLE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FEET WHERE COMPRESSED AIR IS NOT USED; ABUTMENT AND PIER HOLE MEN WORKING SIX (6) FEET OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTINGS IN THE RIVER; DITCHLINERS; PRESSURE GROUTMEN; CAULKER; CHAIN OR CONCRETE SAW; CLIFFSCALERS WORKING FROM SCAFFOLDS, BOSUNS' CHAIRS OR PLATFORMS ON DAMS OR POWER PLANTS OVER (10) FEET ABOVE GROUND; MORTARMEN ON BRICK OR BLOCK MANHOLES; TOXIC AND HAZARDOUS WASTE WORK. (ANDREW, ATCHISON, BUCHANAN, CALDWELL, CLINTON, DAVIESS, DEKALB, GENTRY, GRUNDY, HARRISON, HOLT, LIVINGSTON, MERCER, NODAWAY AND WORTH COUNTIES).....$ 29.04 16.59

LABORER, GROUP 1 GENERAL LABORERS - CARPENTER TENDERS; SALAMANDER TENDERS; LOADING TRUCKS UNDER BINS; HOPPERS & CONVEYORS; TRACK MEN & ALL OTHER GENERAL LABORERS; AIR TOOL OPERATOR; CEMENT HANDLER-BULK OR SACK; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP PAVERS - ROCK, BLOCK OR BRICK; SIGNAL MAN; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIPMAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLINE, OIL DRAINAGE PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR, ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND HANDLING EPOXY MATERIAL OR MATERIALS (WHERE SPECIAL PROTECTION IS REQUIRED); RUBBING CONCRETE; TOPPER OF STANDING TREES; BATTER BOARD MAN ON PIPE AND DITCH WORK; FEEDER MAN ON WOOD PULVERIZERS; BOARD AND WILLOW MAT WEAVERS AND CABLE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FEET WHERE COMPRESSED AIR IS NOT USED; ABUTMENT

AND PIER HOLE MEN WORKING SIX (6) FEET OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTINGS IN THE RIVER; DITCHLINERS; PRESSURE GROUTMEN; CAULKER; CHAIN OR CONCRETE SAW; CLIFFSCALERS WORKING FROM SCAFFOLDS, BOSUNS' CHAIRS OR PLATFORMS ON DAMS OR POWER PLANTS OVER (10) FEET ABOVE GROUND; MORTARMEN ON BRICK OR BLOCK MANHOLES; TOXIC AND HAZARDOUS WASTE WORK. (BARRY, BARTON, BATES, BENTON, CAMDEN, CARROLL, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HENRY. HICKORY, JASPER, JOHNSON, LACLEDE, LAWRENCE, MCDONALD, MORGAN, NEWTON, OZARK, PETTIS, POLK, ST.CLAIR, SALINE, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES).....$ 28.23 15.60

LABORER, GROUP 2 SKILLED LABORERS - HEAD PIPE LAYER ON SEWER WORK; LASER BEAM MAN; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; FORM SETTERS; LINERS AND STRINGLINE MEN ON CONCRETE PAVING, CURB, GUTTERS; HOT MASTIC KETTLEMAN; HOT TAR APPLICATOR; SANDBLASTING AND GUNITE NOZZLEMEN; AIR TOOL OPERATOR IN TUNNELS; SCREED MAN ON ASPHALT MACHINE; ASPHALT RAKER; BARCO TAMPER; CHURN DRILLS; AIR TRACK DRILLS AND ALL SIMILAR DRILLS; VIBRATOR MAN; STRINGLINE MAN FOR ELECTRONIC GRADE CONTROL; MANHOLE BUILDERS-BRICK OR BLOCK; DYNAMITE AND POWDER MEN; GRADE CHECKER. (ANDREW, ATCHISON, BUCHANAN, CALDWELL, CLINTON, DAVIESS, DEKALB, GENTRY, GRUNDY, HARRISON, HOLT, LIVINGSTON, MERCER, NODAWAY AND WORTH COUNTIES).....$ 29.39 16.59

LABORER, GROUP 2 SKILLED LABORERS - HEAD PIPE LAYER ON SEWER WORK; LASER BEAM MAN; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; FORM SETTERS; LINERS AND STRINGLINE MEN ON CONCRETE PAVING, CURB, GUTTERS; HOT MASTIC KETTLEMAN; HOT TAR APPLICATOR; SANDBLASTING AND GUNITE NOZZLEMEN; AIR TOOL OPERATOR IN TUNNELS; SCREED MAN ON ASPHALT MACHINE; ASPHALT RAKER; BARCO TAMPER; CHURN DRILLS; AIR TRACK DRILLS AND ALL SIMILAR DRILLS; VIBRATOR MAN; STRINGLINE MAN FOR ELECTRONIC GRADE CONTROL; MANHOLE BUILDERS-BRICK OR BLOCK; DYNAMITE AND POWDER MEN; GRADE CHECKER. (BARRY, BARTON, BATES, BENTON, CAMDEN, CARROLL, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HENRY. HICKORY, JASPER, JOHNSON, LACLEDE, LAWRENCE, MCDONALD, MORGAN, NEWTON, OZARK, PETTIS, POLK, ST.CLAIR, SALINE, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES)..$ 28.78 15.60

LABORER: GROUP 1 GENERAL LABORERS - CARPENTER TENDERS; SALAMANDER TENDERS; LOADING TRUCKS UNDER BINS; HOPPERS & CONVEYORS; TRACK MEN & ALL OTHER GENERAL LABORERS; AIR TOOL OPERATOR; CEMENT HANDLER-BULK OR SACK; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP PAVERS - ROCK, BLOCK OR BRICK; SIGNAL MAN; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIPMAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLINE, OIL DRAINAGE PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR, ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND

HANDLING EPOXY MATERIAL OR MATERIALS (WHERE SPECIAL PROTECTION IS REQUIRED); RUBBING CONCRETE; TOPPER OF STANDING TREES; BATTER BOARD MAN ON PIPE AND DITCH WORK; FEEDER MAN ON WOOD PULVERIZERS; BOARD AND WILLOW MAT WEAVERS AND CABLE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FEET WHERE COMPRESSED AIR IS NOT USED; ABUTMENT AND PIER HOLE MEN WORKING SIX (6) FEET OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTINGS IN THE RIVER; DITCHLINERS; PRESSURE GROUTMEN; CAULKER; CHAIN OR CONCRETE SAW; CLIFFSCALERS WORKING FROM SCAFFOLDS, BOSUNS' CHAIRS OR PLATFORMS ON DAMS OR POWER PLANTS OVER (10) FEET ABOVE GROUND; MORTARMEN ON BRICK OR BLOCK MANHOLES; TOXIC AND HAZARDOUS WASTE WORK. (LAFAYETTE COUNTY).$ 29.78 15.85

LABORER: GROUP 2 SKILLED LABORERS - HEAD PIPE LAYER ON SEWER WORK; LASER BEAM MAN; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; FORM SETTERS; LINERS AND STRINGLINE MEN ON CONCRETE PAVING, CURB, GUTTERS; HOT MASTIC KETTLEMAN; HOT TAR APPLICATOR; SANDBLASTING AND GUNITE NOZZLEMEN; AIR TOOL OPERATOR IN TUNNELS; SCREED MAN ON ASPHALT MACHINE; ASPHALT RAKER; BARCO TAMPER; CHURN DRILLS; AIR TRACK DRILLS AND ALL SIMILAR DRILLS; VIBRATOR MAN; STRINGLINE MAN FOR ELECTRONIC GRADE CONTROL; MANHOLE BUILDERS-BRICK OR BLOCK; DYNAMITE AND POWDER MEN; GRADE CHECKER. (LAFAYETTE COUNTY)......$ 30.13 15.85

LABO0660-004 05/01/2025

	Rates	Fringes

LABORER GROUP 1 GENERAL LABORER-FLAGMAN, CARPENTER TENDERS; SALAMANDER TENDERS; DUMP MAN; TICKET TAKERS; LOADING TRUCKS UNDER BINS, HOPPERS, AND CONVEYORS; TRACK MAN; CEMENT HANDLER; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; SPREADER ON ASPHALT MACHINE; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP PAVERS ROCK, BLOCK OR BRICK; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIP MAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLING, OIL, DRAINAGE PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR; ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; FORM SETTERS, PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND HANDLING EPOXY MATERIAL; TOPPER OF STANDING TREES; FEEDER MAN ON WOOD PULVERIZERS, BOARD AND WILLOW MAT WEAVERS AND CABELEE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FT. WHERE COMPRESSED AIR IS NOT USED; ABUTEMENT AND PIER HOLE MEN WORKING SIX (6) FT. OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTING IN THE RIVER; BARCO TAMPER; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; LINERS, CURB, GUTTERS, DITCH LINES; HOT MASTIC KETTLEMEN; HOT TAR APPLICATOR; HAND BLADE OPERATOR; MORTAR MEN OR BRICK OR BLOCK MANHOLES; RUBBING CONCRETE, AIR TOOL OPERATOR UNDER 65 LBS.; CAULKER AND LEAD MAN;

CHAIN OR CONCRETE SAW UNDER 15 H.P.; SIGNAL GAN; GUARD RAIL AND SIGN ERECTORS. (CLARK, KNOX, LEWIS, MARION, PIKE, RALLS, SCOTLAND, SHELBY COUNTIES).....$ 37.25 15.96

LABORER GROUP 2 SKILLED LABORERS - VIBRATOR MAN; ASPHALT RAKER; HEAD PIPE LAYER ON SEWER WORK; BATTERBOARD MAN ON PIPE AND DITCH WORK; CLIFF SCALERS WORKING FROM BOSUN'S CHAIRS; SCAFFOLDS OR PLATFORMS ON DAMS OR POWER PLANTS OVER 10 FT. HIGH; AIR TOOL OPERATOR OVER 65 LBS.; STRINGLINE MAN ON CONCRETE PAVING; SANDBLAST MAN; LASER BEAM MAN; WAGON DRILL; CHURN DRILL; AIR TRACK DRILL AND ALL OTHER SIMILAR TYPE DRILLS, GUNITE NOZZLE MAN; PRESSURE GROUT MAN; SCREED MAN ON ASPHALT; CONCRETE SAW 15 H.P. AND OVER; GRADE CHECKER; STRIGLINE MAN ON ELECTRONIC GRADE CONTROL; MANHOLE BUILDER; DYNAMITE MAN; POWDER MAN; WELDER; TUNNEL MAN; WATERBLASTER - 1000 PSI OR OVER; ASBESTOS AND/OR HAZARDOUS WASTE REMOVAL AND/OR DISPOSAL (CLARK, KNOX, LEWIS, MARION, PIKE, RALLS, SCOTLAND, SHELBY COUNTIES).....$ 37.25 15.96

LABO0660-006 06/02/2025

	Rates	Fringes
LABORER, COMMON OR GENERAL: LINCOLN, MONNTOMERY, AND WARRNER COUNTIES	$ 39.76	15.96
LABORER, COMMON OR GENERAL: ST. CHARLES COUNTY	$ 41.18	15.96

LABO0662-001 05/01/2025

	Rates	Fringes
LABORER: GROUP 1 GENERAL LABORER-FLAGMAN, CARPENTER TENDERS; SALAMANDER TENDERS; DUMP MAN; TICKET TAKERS; LOADING TRUCKS UNDER BINS, HOPPERS, AND CONVEYORS; TRACK MAN; CEMENT HANDLER; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; SPREADER ON ASPHALT MACHINE; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP PAVERS ROCK, BLOCK OR BRICK; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIP MAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLING, OIL, DRAINAGE PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR; ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; FORM SETTERS, PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND HANDLING EPOXY MATERIAL; TOPPER OF STANDING TREES; FEEDER MAN ON WOOD PULVERIZERS, BOARD AND WILLOW MAT WEAVERS AND CABELEE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FT. WHERE COMPRESSED AIR IS NOT USED; ABUTEMENT AND PIER HOLE MEN WORKING SIX (6) FT. OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTING IN THE RIVER; BARCO TAMPER; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; LINERS, CURB, GUTTERS, DITCH LINES; HOT MASTIC KETTLEMEN; HOT TAR APPLICATOR; HAND BLADE OPERATOR; MORTAR MEN OR BRICK OR BLOCK MANHOLES; RUBBING CONCRETE, AIR TOOL OPERATOR UNDER 65 LBS.; CAULKER AND LEAD MAN;		

CHAIN OR CONCRETE SAW UNDER 15 H.P.; SIGNAL GAN;
GUARD RAIL AND SIGN ERECTORS. (CALLAWAY, COLE,
MILLER AND MONITEAU COUNTIES).....$ 37.25 15.96
LABORER: GROUP 2 SKILLED LABORERS - VIBRATOR MAN;
ASPHALT RAKER; HEAD PIPE LAYER ON SEWER WORK;
BATTERBOARD MAN ON PIPE AND DITCH WORK; CLIFF
SCALERS WORKING FROM BOSUN'S CHAIRS; SCAFFOLDS OR
PLATFORMS ON DAMS OR POWER PLANTS OVER 10 FT. HIGH;
AIR TOOL OPERATOR OVER 65 LBS.; STRINGLINE MAN ON
CONCRETE PAVING; SANDBLAST MAN; LASER BEAM MAN;
WAGON DRILL; CHURN DRILL; AIR TRACK DRILL AND ALL
OTHER SIMILAR TYPE DRILLS, GUNITE NOZZLE MAN;
PRESSURE GROUT MAN; SCREED MAN ON ASPHALT; CONCRETE
SAW 15 H.P. AND OVER; GRADE CHECKER; STRIGLINE MAN
ON ELECTRONIC GRADE CONTROL; MANHOLE BUILDER;
DYNAMITE MAN; POWDER MAN; WELDER; TUNNEL MAN;
WATERBLASTER - 1000 PSI OR OVER; ASBESTOS AND/OR
HAZARDOUS WASTE REMOVAL AND/OR DISPOSAL
(CALLAWAY, COLE, MILLER AND MONITEAU COUNTIES).....$ 37.25 15.96

LABO0663-002 04/01/2025

Rates Fringes

LABORER GROUP 1 GENERAL LABORERS, CARPENTER
TENDERS, SALAMANDER TENDERS, LOADING TRUCKS UNDER
BINS, HOPPERS AND CONVEYORS, TRACK MEN AND ALL
OTHER GENERAL LABORERS, AIR TOOL OPERATOR, CEMENT
HANDLER (BULK OR SACK), CHAIN OR CONCRETE SAW, DECK
HANDS, DUMP MAN ON EARTH FILL, GEORGIE BUGGIES MAN,
MATERIAL BATCH HOPPER MAN, SCALE MAN, MATERIAL
MIXER MAN (EXCEPT ON MANHOLES), COFFER DAMS,
ABUTMENTS AND PIER HOLE MEN WORKING BELOW GROUND,
RIPRAP PAVERS ROCK, BLACK OR BRICK, SIGNAL MAN,
SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM
GROUND UP, SKIPMAN ON CONCRETE PAVING, WIRE MESH
SETTERS ON CONCRETE PAVING, ALL WORK IN CONNECTION
WITH SEWER,WATER, GAS, GASOLING, OIL, DRAINAGE
PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL
OTHER PIPELINES, POWER TOOL OPERATOR, ALL WORK IN
CONNECTION WITH HYDRAULIC OR GENERAL DREDGING
OPERATIONS, STRAW BLOWER NOZZLEMAN,ASPHALT PLANT
PLATFORM MAN, CHUCK TENDER, CRUSHER FEEDER, MEN
HANDLING CREOSOTE TIES ON CREOSOTE MATERIALS, MEN
WORKING WITH AND HANDLING EPOXY MATERIAL OR
MATERIALS (WHERE SPECIAL PROTECTION IS REQUIRED),
TOPPER OF STANDING TREES, BATTER BOARD MAN ON PIPE
AND DITCH WORK, FEEDER MAN ON WOOD PULVERIZERS,
BOARD AND WILLOW MAT WEAVERS AND CABLE TIERS ON
RIVER WORK, DECK HANDS, PILE DIKE AND REVETMENT
WORK, ALL LABORERS WORKING ON UNDERGROUND TUNNELS
LESS THAN 25 FEET WHERE COMPRESSED AIR IS NOT USED,
ABUTMENT AND PIER HOLE MEN WORKING SIX (6) FEET OR
MORE BELOW GROUND, MEN WORKING IN COFFER DAMS FOR
BRIDGE PIERS AND FOOTINGS IN THE RIVER,
DITCHLINERS, PRESSURE GROUTMEN, CAULKER AND CHAIN
OR CONCRETE SAW, CLIFFSCALERS WORKING FROM
SCAFFOLDS, BOSUNS' CHAIRS OR PLATFORMS ON DAMS OR
POWER PLANTS OVER (10) FEET ABOVE GROUND, MORTARMEN
ON BRICK OR BLOCK MANHOLES, SIGNAL MAN. (CASS,
CLAY, JACKSON, PLATTE AND RAY COUNTIES).....$ 36.24 15.87
LABORER GROUP 2 SKILLED LABORER - SPREADER OR
SCREED MAN ON ASPHALT MACHINE, ASPHALT RAKER, GRADE
CHECKER, VIBRATOR MAN, CONCRETE SAW OVER 5 HP.,
LASER BEAM MAN, BARCO TAMPER, JACKSON OR ANY OTHER
SIMILAR TAMP, WAGON DRILLER, CHURN DRILLS, AIR

TRACK DRILLS AND OTHER SIMILAR DRILLS, CUTTING TORCH MAN, FORM SETTERS, LINERS AND STRINGLINE MEN ON CONCRETE PAVING, CURB, GUTTERS AND ETC., HOT MASTIC KETTLEMAN, HOT TAR APPLICATOR, HAND BLADE OPERATORS, MORTAR MEN ON BRICK OR BLOCK MANHOLES, SAND BLASTING AND GUNNITE NOZZLE MEN, RUBBING CONCRETE, AIR TOOL OPERATOR IN TUNNELS, HEAD PIPE LAYER ON SEWER WORK, MANHOLE BUILDER (BRICK OR BLOCK), DYNAMITE AND POWDER MEN. (CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES).....$ 37.45 15.87

LABO0840-011 05/01/2025

	Rates	Fringes
LABORER GROUP 1 GENERAL LABORER-FLAGMAN, CARPENTER TENDERS; SALAMANDER TENDERS; DUMP MAN; TICKET TAKERS; LOADING TRUCKS UNDER BINS, HOPPERS, AND CONVEYORS; TRACK MAN; CEMENT HANDLER; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; SPREADER ON ASPHALT MACHINE; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP PAVERS ROCK, BLOCK OR BRICK; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIP MAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLING, OIL, DRAINAGE PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR; ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; FORM SETTERS, PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND HANDLING EPOXY MATERIAL; TOPPER OF STANDING TREES; FEEDER MAN ON WOOD PULVERIZERS, BOARD AND WILLOW MAT WEAVERS AND CABELEE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FT. WHERE COMPRESSED AIR IS NOT USED; ABUTEMENT AND PIER HOLE MEN WORKING SIX (6) FT. OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTING IN THE RIVER; BARCO TAMPER; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; LINERS, CURB, GUTTERS, DITCH LINES; HOT MASTIC KETTLEMEN; HOT TAR APPLICATOR; HAND BLADE OPERATOR; MORTAR MEN OR BRICK OR BLOCK MANHOLES; RUBBING CONCRETE, AIR TOOL OPERATOR UNDER 65 LBS.; CAULKER AND LEAD MAN; CHAIN OR CONCRETE SAW UNDER 15 H.P.; SIGNAL GAN; GUARD RAIL AND SIGN ERECTORS. (CRAWFORD, DENT, GASCONADE, HOWELL, MARIES, OREGON, OSAGE, PHELPS, PULASKI, SHANNON AND TEXAS COUNTIES).....$ 37.25	15.96
LABORER GROUP 2 SKILLED LABORERS - VIBRATOR MAN; ASPHALT RAKER; HEAD PIPE LAYER ON SEWER WORK; BATTERBOARD MAN ON PIPE AND DITCH WORK; CLIFF SCALERS WORKING FROM BOSUN'S CHAIRS; SCAFFOLDS OR PLATFORMS ON DAMS OR POWER PLANTS OVER 10 FT. HIGH; AIR TOOL OPERATOR OVER 65 LBS.; STRINGLINE MAN ON CONCRETE PAVING; SANDBLAST MAN; LASER BEAM MAN; WAGON DRILL; CHURN DRILL; AIR TRACK DRILL AND ALL OTHER SIMILAR TYPE DRILLS, GUNITE NOZZLE MAN; PRESSURE GROUT MAN; SCREED MAN ON ASPHALT; CONCRETE SAW 15 H.P. AND OVER; GRADE CHECKER; STRIGLINE MAN ON ELECTRONIC GRADE CONTROL; MANHOLE BUILDER; DYNAMITE MAN; POWDER MAN; WELDER; TUNNEL MAN; WATERBLASTER - 1000 PSI OR OVER; ASBESTOS AND/OR		

HAZARDOUS WASTE REMOVAL AND/OR DISPOSAL (CRAWFORD, DENT, GASCONADE, HOWELL, MARIES, OREGON, OSAGE, PHELPS, PULASKI, SHANNON AND TEXAS COUNTIES).....$ 37.25 15.96

LABORER: GROUP 1 GENERAL LABORER-FLAGMAN, CARPENTER TENDERS; SALAMANDER TENDERS; DUMP MAN; TICKET TAKERS; LOADING TRUCKS UNDER BINS, HOPPERS, AND CONVEYORS; TRACK MAN; CEMENT HANDLER; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; SPREADER ON ASPHALT MACHINE; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP PAVERS ROCK, BLOCK OR BRICK; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIP MAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLING, OIL, DRAINAGE PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR; ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; FORM SETTERS, PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND HANDLING EPOXY MATERIAL; TOPPER OF STANDING TREES; FEEDER MAN ON WOOD PULVERIZERS, BOARD AND WILLOW MAT WEAVERS AND CABELEE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FT. WHERE COMPRESSED AIR IS NOT USED; ABUTEMENT AND PIER HOLE MEN WORKING SIX (6) FT. OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTING IN THE RIVER; BARCO TAMPER; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; LINERS, CURB, GUTTERS, DITCH LINES; HOT MASTIC KETTLEMEN; HOT TAR APPLICATOR; HAND BLADE OPERATOR; MORTAR MEN OR BRICK OR BLOCK MANHOLES; RUBBING CONCRETE, AIR TOOL OPERATOR UNDER 65 LBS.; CAULKER AND LEAD MAN; CHAIN OR CONCRETE SAW UNDER 15 H.P.; SIGNAL GAN; GUARD RAIL AND SIGN ERECTORS. (FRANKLIN COUNTY)....$ 40.31 15.96

LABORER: GROUP 2 SKILLED LABORERS - VIBRATOR MAN; ASPHALT RAKER; HEAD PIPE LAYER ON SEWER WORK; BATTERBOARD MAN ON PIPE AND DITCH WORK; CLIFF SCALERS WORKING FROM BOSUN'S CHAIRS; SCAFFOLDS OR PLATFORMS ON DAMS OR POWER PLANTS OVER 10 FT. HIGH; AIR TOOL OPERATOR OVER 65 LBS.; STRINGLINE MAN ON CONCRETE PAVING; SANDBLAST MAN; LASER BEAM MAN; WAGON DRILL; CHURN DRILL; AIR TRACK DRILL AND ALL OTHER SIMILAR TYPE DRILLS, GUNITE NOZZLE MAN; PRESSURE GROUT MAN; SCREED MAN ON ASPHALT; CONCRETE SAW 15 H.P. AND OVER; GRADE CHECKER; STRIGLINE MAN ON ELECTRONIC GRADE CONTROL; MANHOLE BUILDER; DYNAMITE MAN; POWDER MAN; WELDER; TUNNEL MAN; WATERBLASTER - 1000 PSI OR OVER; ASBESTOS AND/OR HAZARDOUS WASTE REMOVAL AND/OR DISPOSAL (FRANKLIN COUNTY).....$ 40.31 15.96

LABO0955-012 05/01/2025

	Rates	Fringes

LABORER GROUP 1 GENERAL LABORER-FLAGMAN, CARPENTER TENDERS; SALAMANDER TENDERS; DUMP MAN; TICKET TAKERS; LOADING TRUCKS UNDER BINS, HOPPERS, AND CONVEYORS; TRACK MAN; CEMENT HANDLER; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; SPREADER ON ASPHALT MACHINE; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP

PAVERS ROCK, BLOCK OR BRICK; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIP MAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLING, OIL, DRAINAGE PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR; ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; FORM SETTERS, PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND HANDLING EPOXY MATERIAL; TOPPER OF STANDING TREES; FEEDER MAN ON WOOD PULVERIZERS, BOARD AND WILLOW MAT WEAVERS AND CABELEE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FT. WHERE COMPRESSED AIR IS NOT USED; ABUTEMENT AND PIER HOLE MEN WORKING SIX (6) FT. OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTING IN THE RIVER; BARCO TAMPER; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; LINERS, CURB, GUTTERS, DITCH LINES; HOT MASTIC KETTLEMEN; HOT TAR APPLICATOR; HAND BLADE OPERATOR; MORTAR MEN OR BRICK OR BLOCK MANHOLES; RUBBING CONCRETE, AIR TOOL OPERATOR UNDER 65 LBS.; CAULKER AND LEAD MAN; CHAIN OR CONCRETE SAW UNDER 15 H.P.; SIGNAL GAN; GUARD RAIL AND SIGN ERECTORS. (ADAIR, AUDRAIN, BOONE, CHARITON, COOPER, HOWARD, LINN, MACON, MONROE, PUTNAM, RANDOLPH, SCHUYLER AND SULLIVAN COUNTIES).....$ 37.25 15.96

LABORER GROUP 2 SKILLED LABORERS - VIBRATOR MAN; ASPHALT RAKER; HEAD PIPE LAYER ON SEWER WORK; BATTERBOARD MAN ON PIPE AND DITCH WORK; CLIFF SCALERS WORKING FROM BOSUN'S CHAIRS; SCAFFOLDS OR PLATFORMS ON DAMS OR POWER PLANTS OVER 10 FT. HIGH; AIR TOOL OPERATOR OVER 65 LBS.; STRINGLINE MAN ON CONCRETE PAVING; SANDBLAST MAN; LASER BEAM MAN; WAGON DRILL; CHURN DRILL; AIR TRACK DRILL AND ALL OTHER SIMILAR TYPE DRILLS, GUNITE NOZZLE MAN; PRESSURE GROUT MAN; SCREED MAN ON ASPHALT; CONCRETE SAW 15 H.P. AND OVER; GRADE CHECKER; STRIGLINE MAN ON ELECTRONIC GRADE CONTROL; MANHOLE BUILDER; DYNAMITE MAN; POWDER MAN; WELDER; TUNNEL MAN; WATERBLASTER - 1000 PSI OR OVER; ASBESTOS AND/OR HAZARDOUS WASTE REMOVAL AND/OR DISPOSAL (ADAIR, AUDRAIN, BOONE, CHARITON, COOPER, HOWARD, LINN, MACON, MONROE, PUTNAM, RANDOLPH, SCHUYLER AND SULLIVAN COUNTIES).....$ 37.25 15.96

LABO1104-005 05/01/2025

	Rates	Fringes

LABORER: GROUP 1 GENERAL LABORER-FLAGMAN, CARPENTER TENDERS; SALAMANDER TENDERS; DUMP MAN; TICKET TAKERS; LOADING TRUCKS UNDER BINS, HOPPERS, AND CONVEYORS; TRACK MAN; CEMENT HANDLER; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; SPREADER ON ASPHALT MACHINE; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP PAVERS ROCK, BLOCK OR BRICK; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIP MAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLING, OIL, DRAINAGE PIPE, CONDUIT PIPE,

TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR; ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; FORM SETTERS, PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND HANDLING EPOXY MATERIAL; TOPPER OF STANDING TREES; FEEDER MAN ON WOOD PULVERIZERS, BOARD AND WILLOW MAT WEAVERS AND CABELEE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FT. WHERE COMPRESSED AIR IS NOT USED; ABUTEMENT AND PIER HOLE MEN WORKING SIX (6) FT. OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTING IN THE RIVER; BARCO TAMPER; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; LINERS, CURB, GUTTERS, DITCH LINES; HOT MASTIC KETTLEMEN; HOT TAR APPLICATOR; HAND BLADE OPERATOR; MORTAR MEN OR BRICK OR BLOCK MANHOLES; RUBBING CONCRETE, AIR TOOL OPERATOR UNDER 65 LBS.; CAULKER AND LEAD MAN; CHAIN OR CONCRETE SAW UNDER 15 H.P.; SIGNAL GAN; GUARD RAIL AND SIGN ERECTORS. (BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, IRON, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, PERRY, REYNOLDS, RIPLEY, SCOTT, ST FRANCOIS, STE GENEVIEVE, STODDARD AND WAYNE COUNTIES).....$ 37.25 15.96

LABORER: GROUP 2 SKILLED LABORERS - VIBRATOR MAN; ASPHALT RAKER; HEAD PIPE LAYER ON SEWER WORK; BATTERBOARD MAN ON PIPE AND DITCH WORK; CLIFF SCALERS WORKING FROM BOSUN'S CHAIRS; SCAFFOLDS OR PLATFORMS ON DAMS OR POWER PLANTS OVER 10 FT. HIGH; AIR TOOL OPERATOR OVER 65 LBS.; STRINGLINE MAN ON CONCRETE PAVING; SANDBLAST MAN; LASER BEAM MAN; WAGON DRILL; CHURN DRILL; AIR TRACK DRILL AND ALL OTHER SIMILAR TYPE DRILLS, GUNITE NOZZLE MAN; PRESSURE GROUT MAN; SCREED MAN ON ASPHALT; CONCRETE SAW 15 H.P. AND OVER; GRADE CHECKER; STRIGLINE MAN ON ELECTRONIC GRADE CONTROL; MANHOLE BUILDER; DYNAMITE MAN; POWDER MAN; WELDER; TUNNEL MAN; WATERBLASTER - 1000 PSI OR OVER; ASBESTOS AND/OR HAZARDOUS WASTE REMOVAL AND/OR DISPOSAL (BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, IRON, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, PERRY, REYNOLDS, RIPLEY, SCOTT, ST FRANCOIS, STE GENEVIEVE, STODDARD AND WAYNE COUNTIES).....$ 37.25 15.96

PAIN0002-002 09/01/2007

	Rates	Fringes
PAINTERS: BRUSH AND ROLLER; TAPER (CLARK, FRANKLIN, JEFFERSON, LEWIS, LINCOLN, MARION, PIKE, RALLS, ST. CHARLES, ST. LOUIS (CITY & COUNTY), AND WARREN COUNTIES)	$ 28.61	10.24
PAINTERS: HIGH WORK OVER 60 FEET (CLARK, FRANKLIN, JEFFERSON, LEWIS, LINCOLN, MARION, PIKE, RALLS, ST. CHARLES, ST. LOUIS (CITY & COUNTY), AND WARREN COUNTIES)	$ 29.11	10.24
PAINTERS: LEAD ABATEMENT (CLARK, FRANKLIN, JEFFERSON, LEWIS, LINCOLN, MARION, PIKE, RALLS, ST. CHARLES, ST. LOUIS (CITY & COUNTY), AND WARREN COUNTIES)	$ 29.36	10.24

PAINTERS: PRESSURE ROLLER; HIGH WORK UNDER 60 FT (CLARK, FRANKLIN, JEFFERSON, LEWIS, LINCOLN,

MARION, PIKE, RALLS, ST. CHARLES, ST. LOUIS (CITY & COUNTY), AND WARREN COUNTIES).....$ 28.86 10.24
PAINTERS: TAPER (AMES TOOLS & BAZOOKA) (CLARK, FRANKLIN, JEFFERSON, LEWIS, LINCOLN, MARION, PIKE, RALLS, ST. CHARLES, ST. LOUIS (CITY & COUNTY), AND WARREN COUNTIES).....$ 30.21 10.24
PAINTERS:: SPRAY & ABRASIVE BLASTING; WATER BLASTING (OVER 5000 PSI) (CLARK, FRANKLIN, JEFFERSON, LEWIS, LINCOLN, MARION, PIKE, RALLS, ST. CHARLES, ST. LOUIS (CITY & COUNTY), AND WARREN COUNTIES).....$ 30.61 10.24

PAIN0002-006 04/01/2023

	Rates	Fringes
PAINTERS:: BRIDGES, DAMS, LOCKS OR POWERHOUSES (ADAIR, AUDRAIN, BOONE, CALLAWAY, CHARITON, COLE, GASCONADE, HOWARD, KNOX, LINN, MACON, MONROE, MONTGOMERY, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES AND THE CITY OF BOONEVILLE.)	$ 28.49	15.03
PAINTERS:: BRUSH AND ROLL; TAPING, PAPERHANGING (ADAIR, AUDRAIN, BOONE, CALLAWAY, CHARITON, COLE, GASCONADE, HOWARD, KNOX, LINN, MACON, MONROE, MONTGOMERY, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES AND THE CITY OF BOONEVILLE.)	$ 26.49	15.03
PAINTERS:: EPOXY OR ANY TWO PART COATING; SANDBLASTING; STAGE OR OTHER AERIAL WORK - PLATFORMS OVER 50 FEET HIGH; LEAD ABATEMENT (ADAIR, AUDRAIN, BOONE, CALLAWAY, CHARITON, COLE, GASCONADE, HOWARD, KNOX, LINN, MACON, MONROE, MONTGOMERY, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES AND THE CITY OF BOONEVILLE.)	$ 27.49	15.03
PAINTERS:: SPRAY; STRUCTURAL STEEL (OVER 50 FEET) (ADAIR, AUDRAIN, BOONE, CALLAWAY, CHARITON, COLE, GASCONADE, HOWARD, KNOX, LINN, MACON, MONROE, MONTGOMERY, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES AND THE CITY OF BOONEVILLE.)	$ 27.49	15.03
PAINTERS:: TAPERS USING AMES OR COMPARABLE TOOLS (ADAIR, AUDRAIN, BOONE, CALLAWAY, CHARITON, COLE, GASCONADE, HOWARD, KNOX, LINN, MACON, MONROE, MONTGOMERY, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES AND THE CITY OF BOONEVILLE.)	$ 27.24	15.03

PAIN0003-004 04/01/2019

	Rates	Fringes
PAINTERS: BRIDGEMAN; LEAD ABATEMENT; SANDBLAST; STORAGE BIN & TANKS (CASS, CLAY, CLINTON, JACKSON, JOHNSON, LAFAYETTE, PLATTE & RAY COUNTIES)	$ 33.41	17.76
PAINTERS: BRUSH & ROLLER (CASS, CLAY, CLINTON, JACKSON, JOHNSON, LAFAYETTE, PLATTE & RAY COUNTIES)	$ 30.54	17.76
PAINTERS: DRYWALL (CASS, CLAY, CLINTON, JACKSON, JOHNSON, LAFAYETTE, PLATTE & RAY COUNTIES)	$ 31.74	17.76
PAINTERS: PAPER HANGER (CASS, CLAY, CLINTON, JACKSON, JOHNSON, LAFAYETTE, PLATTE & RAY COUNTIES)	$ 31.04	17.76
PAINTERS: STAGEMAN; BELTMAN; STEELMAN; ELEVATOR SHAFT; BAZOOKA, BOXES AND POWER SANDER; SPRAYMAN; DIPPING (CASS, CLAY, CLINTON, JACKSON, JOHNSON, LAFAYETTE, PLATTE & RAY COUNTIES)	$ 32.41	17.76
PAINTERS: STEEPLEJACK (CASS, CLAY, CLINTON,		

JACKSON, JOHNSON, LAFAYETTE, PLATTE & RAY COUNTIES).$ 36.98 17.76

PAIN0003-011 04/01/2019

	Rates	Fringes
PAINTERS: BRUSH & ROLLER (BATES, BENTON, CALDWELL, CARROLL, COOPER, DAVIESS, GRUNDY, HARRISON, HENRY, LIVINGSTON, MERCER, MONITEAU, MORGAN, PETTIS & SALINE COUNTIES)	$ 24.43	17.76
PAINTERS: DRYWALL (BATES, BENTON, CALDWELL, CARROLL, COOPER, DAVIESS, GRUNDY, HARRISON, HENRY, LIVINGSTON, MERCER, MONITEAU, MORGAN, PETTIS & SALINE COUNTIES)	$ 25.39	17.76
PAINTERS: PAPER HANGER (BATES, BENTON, CALDWELL, CARROLL, COOPER, DAVIESS, GRUNDY, HARRISON, HENRY, LIVINGSTON, MERCER, MONITEAU, MORGAN, PETTIS & SALINE COUNTIES)	$ 24.83	17.76
PAINTERS: STEEPLEJACK (BATES, BENTON, CALDWELL, CARROLL, COOPER, DAVIESS, GRUNDY, HARRISON, HENRY, LIVINGSTON, MERCER, MONITEAU, MORGAN, PETTIS & SALINE COUNTIES)	$ 29.58	17.76
PAINTERS:: BRIDGEMAN; LEAD ABATEMENT; SANDBLAST; STORAGE BIN & TANKS (BATES, BENTON, CALDWELL, CARROLL, COOPER, DAVIESS, GRUNDY, HARRISON, HENRY, LIVINGSTON, MERCER, MONITEAU, MORGAN, PETTIS & SALINE COUNTIES)	$ 26.73	17.76
PAINTERS:: STAGEMAN; BELTMAN; STEELMAN; ELEVATOR SHAFT; BAZOOKA, BOXES AND POWER SANDER; SPRAYMAN; DIPPING (BATES, BENTON, CALDWELL, CARROLL, COOPER, DAVIESS, GRUNDY, HARRISON, HENRY, LIVINGSTON, MERCER, MONITEAU, MORGAN, PETTIS & SALINE COUNTIES).	$ 26.35	17.76

PAIN1185-008 04/01/2025

	Rates	Fringes
PAINTERS: BRUSH AND ROLLER (CAMDEN, CRAWFORD, DENT, LACLEDE, MARIES, MILLER, PHELPS, PULASKI AND TEXAS COUNTIES)	$ 33.90	17.21
PAINTERS: FLOOR WORK (CAMDEN, CRAWFORD, DENT, LACLEDE, MARIES, MILLER, PHELPS, PULASKI AND TEXAS COUNTIES)	$ 34.90	17.21
PAINTERS: LEAD ABATEMENT (CAMDEN, CRAWFORD, DENT, LACLEDE, MARIES, MILLER, PHELPS, PULASKI AND TEXAS COUNTIES)	$ 33.25	17.21
PAINTERS: SPRAY (CAMDEN, CRAWFORD, DENT, LACLEDE, MARIES, MILLER, PHELPS, PULASKI AND TEXAS COUNTIES).	$ 34.90	17.21
PAINTERS: STRUCTURAL STEEL, SANDBLASTING AND ALL TANK WORK (CAMDEN, CRAWFORD, DENT, LACLEDE, MARIES, MILLER, PHELPS, PULASKI AND TEXAS COUNTIES)	$ 35.90	17.21
PAINTERS: TAPING, PAPERHANGING (CAMDEN, CRAWFORD, DENT, LACLEDE, MARIES, MILLER, PHELPS, PULASKI AND TEXAS COUNTIES)	$ 34.90	17.21

PAIN1292-002 09/01/2025

	Rates	Fringes
PAINTERS:: BRIDGES, STACKS & TANKS (BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, MISSISSIPPI, NEW MADRID, OREGON, PEMISCOT, PERRY, REYNOLDS, RIPLEY, SCOTT, SHANNON, STODDARD AND WAYNE COUNTIES). HEIGHT RATES (ALL AREAS): OVER 60 FT. $0.50 PER HOUR. UNDER 60 FT. $0.25 PER HOUR	$ 36.53	17.92
PAINTERS:: BRUSH & ROLLER (BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, MISSISSIPPI, NEW		

MADRID, OREGON, PEMISCOT, PERRY, REYNOLDS, RIPLEY, SCOTT, SHANNON, STODDARD AND WAYNE COUNTIES). HEIGHT RATES (ALL AREAS): 0VER 60 FT. $0.50 PER HOUR UNDER 60 FT. $0.25 PER HOUR.....$ 29.80 17.92

PAINTERS:: SPRAY & ABRASIVE BLASTING; WATERBLASTING (OVER 5000 PSI) (BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, MISSISSIPPI, NEW MADRID, OREGON, PEMISCOT, PERRY, REYNOLDS, RIPLEY, SCOTT, SHANNON, STODDARD AND WAYNE COUNTIES). HEIGHT RATES (ALL AREAS): OVER 60 FT. $0.50 PER HOUR. UNDER 60 FT. $0.25 PER HOUR.....$ 38.53 17.92

PAIN1292-003 09/01/2025

	Rates	Fringes
PAINTERS: BRIDGES, STACKS & TANKS (IRON, MADISON, ST. FRANCOIS, STE. GENEVIEVE AND WASHINGTON COUNTIES). HEIGHT RATES (ALL AREAS): 0VER 60 FT. $0.50 PER HOUR UNDER 60 FT. $0.25 PER HOUR.....	$ 36.53	17.92
PAINTERS: BRUSH & ROLLER (IRON, MADISON, ST. FRANCOIS, STE. GENEVIEVE AND WASHINGTON COUNTIES). HEIGHT RATES (ALL AREAS): 0VER 60 FT. $0.50 PER HOUR UNDER 60 FT. $0.25 PER HOUR.....	$ 30.95	17.92
PAINTERS: SPRAY & ABRASIVE BLASTING; WATERBLASTING (OVER 5000 PSI) (IRON, MADISON, ST. FRANCOIS, STE. GENEVIEVE AND WASHINGTON COUNTIES). HEIGHT RATES (ALL AREAS): 0VER 60 FT. $0.50 PER HOUR UNDER 60 FT. $0.25 PER HOUR.....	$ 38.53	17.92

PAIN2012-001 04/01/2025

	Rates	Fringes
PAINTERS: BRUSH & ROLLER (ANDREW, ATCHISON, BUCHANAN, DE KALB, GENTRY, HOLT, NODAWAY & WORTH COUNTIES).....	$ 36.18	19.97
PAINTERS: SANDBLASTER (ANDREW, ATCHISON, BUCHANAN, DE KALB, GENTRY, HOLT, NODAWAY & WORTH COUNTIES)....	$ 40.76	19.97
PAINTERS: STEEPLEJACK (ANDREW, ATCHISON, BUCHANAN, DE KALB, GENTRY, HOLT, NODAWAY & WORTH COUNTIES)....	$ 44.33	19.97

PAIN2015-001 04/01/2012

	Rates	Fringes
PAINTERS:: FINISHER (BARRY, BARTON, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, HOWELL, JASPER, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, AND WRIGHT COUNTIES).....	$ 20.18	11.33
PAINTERS:: PAINTER (BARRY, BARTON, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, HOWELL, JASPER, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, AND WRIGHT COUNTIES).....	$ 19.75	11.76
PAINTERS:: SANDBLASTER, HIGH MAN, SPRAY MAN, VINYL HANGER, TOOL OPERATOR (BARRY, BARTON, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, HOWELL, JASPER, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, AND WRIGHT COUNTIES).....	$ 21.18	11.33

PLAS0518-006 03/01/2025

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER (BARRY, BARTON, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE,		

HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD,
NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY,
VERNON, WEBSTER, AND WRIGHT COUNTIES).....$ 30.37 12.43

PLAS0518-007 04/01/2025

	Rates	Fringes
CEMENT MASONS: (CASS (RICHARDS-GEBAUR AFB ONLY), CLAY, JACKSON, PLATTE AND RAY COUNTIES).....	$ 39.06	18.71

PLAS0518-011 04/01/2025

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER (ANDREW, ATCHISON, BATES, BUCHANNAN, CLINTON, DEKALB, GENTRY, HENRY, HOLT, JOHNSON, LAFAYETTE, NODAWAY & WORTH COUNTIES).	$ 40.13	20.50

PLAS0518-019 03/01/2025

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER (ADAIR, AUDRAIN, BENTON, BOONE, CALLAWAY, CALDWELL, CAMDEN, CARROLL, CHARITON, COLE, COOPER, DAVIESS, GASCONADE, GRUNDY, HARRISON, HOWARD, LINN, LIVINGSTON, MACON, MARIES, MERCER, MILLER, MONITEAU, MONROE, MONTGOMERY, MORGAN, OSAGE, PETTIS, PUTNAM, RANDOLPH, SALINE, SCHUYLER, SHELBY AND SULLIVAN COUNTIES).....	$ 33.52	15.88

PLAS0527-001 04/01/2023

	Rates	Fringes
CEMENT MASON (FRANKLIN, LINCOLN AND WARREN COUNTIES).....	$ 37.29	20.23
CEMENT MASON (JEFFERSON, ST. CHARLES COUNTIES AND ST.LOUIS (CITY AND COUNTY)).....	$ 38.46	20.13

PLAS0527-004 06/01/2023

	Rates	Fringes
CEMENT MASON (CRAWFORD, DENT, IRON, MADISON, MARION, PHELPS, PIKE, PULASKI, RALLS, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SHANNON, TEXAS, WASHINGTON COUNTIES).....	$ 32.00	19.72

PLAS0908-001 05/01/2025

	Rates	Fringes
CEMENT MASON (BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, HOWELL, MISSISSIPPI, NEW MADRID, OREGON, PEMISCOT, PERRY, RIPLEY, SCOTT, STODDARD, AND WAYNE COUNTIES).....	$ 35.10	18.78

PLUM0008-003 06/01/2024

	Rates	Fringes
PLUMBERS (CASS, CLAY, JACKSON, JOHNSON, AND PLATTE COUNTIES).....	$ 56.63	24.54

PLUM0008-017 06/01/2024

	Rates	Fringes
PLUMBERS (BATES, BENTON, CARROLL, HENRY, LAFAYETTE, MORGAN, PETTIS, RAY, ST. CLAIR, SALINE AND VERNON COUNTIES).....	$ 56.63	24.54

PLUM0045-003 08/01/2024

	Rates	Fringes
PLUMBERS AND PIPEFITTERS (ANDREW, ATCHISON, BUCHANAN, CALDWELL, CLINTON, DAVIESS, DEKALB, GENTRY, HARRISON, HOLT, NODAWAY AND WORTH COUNTIES)	$ 47.45	26.15

PLUM0178-003 11/01/2024

	Rates	Fringes
PLUMBERS AND PIPEFITTERS (BARRY, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, LACLEDE, LAWRENCE, POLK, STONE, TANEY, WEBSTER AND WRIGHT COUNTIES)	$ 39.35	15.72

PLUM0178-006 11/01/2022

	Rates	Fringes
PLUMBERS AND PIPEFITTERS: PROJECTS $750,000 & UNDER (BARTON, JASPER, MCDONALD AND NEWTON COUNTIES)	$ 32.78	15.32
PLUMBERS AND PIPEFITTERS: PROJECTS OVER $750,000 (BARTON, JASPER, MCDONALD AND NEWTON COUNTIES)	$ 35.75	15.32

PLUM0533-004 06/01/2024

	Rates	Fringes
PIPEFITTERS (BATES, BENTON, CARROLL, CASS, CLAY, HENRY, HICKORY, JACKSON, JOHNSON, LAFAYETTE, MORGAN, PETTIS, PLATTE, RAY, SALINE, ST. CLAIR AND VERNON COUNTIES)	$ 55.56	25.80

PLUM0562-004 07/01/2023

	Rates	Fringes
PLUMBERS AND PIPEFITTERS: MECHANICAL CONTRACTS INCLUDING ALL PIPING AND TEMPERATURE CONTROL WORK $7.0 MILLION & UNDER (ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY,CAMDEN, CAPE GIRARDEAU,CARTER, CHARITON, CLARK, COLE, COOPER, CRAWFORD, DENT, DUNKLIN, FRANKLIN, GASCONADE, GRUNDY, HOWARD, HOWELL, IRON, JEFFERSON, KNOX, LEWIS, LINCOLN, LINN, LIVINGSTON, MACON, MADISON, MARIES, MARION, MERCER, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY, NEW MADRID, OREGON, OSAGE, PEMISCOTT, PERRY,	$ 46.66	21.99
PLUMBERS AND PIPEFITTERS: MECHANICAL CONTRACTS INCLUDING ALL PIPING AND TEMPERATURE CONTROL WORK OVER $7.0 MILLION (ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY,CAMDEN, CAPE GIRARDEAU,CARTER, CHARITON, CLARK, COLE, COOPER, CRAWFORD, DENT, DUNKLIN, FRANKLIN, GASCONADE, GRUNDY, HOWARD, HOWELL, IRON, JEFFERSON, KNOX, LEWIS, LINCOLN, LINN, LIVINGSTON, MACON, MADISON, MARIES, MARION, MERCER, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY, NEW MADRID, OREGON, OSAGE, PEMISCOTT, PERRY, PHELPS	$ 46.66	21.99

PLUM0562-016 07/01/2023

	Rates	Fringes
PLUMBERS: MECHANICAL CONTRACTS INCLUDING ALL PIPING AND TEMPERATURE CONTROL WORK $7.0 MILLION & UNDER (CAMDEN, COLE, CRAWFORD, FRANKLIN, JEFFERSON, MARIES, MILLER, MONITEAU, OSAGE, PHELPS, PULASKI, ST. CHARLES, ST. LOUIS (CITY AND COUNTY), WARREN		

AND WASHINGTON COUNTIES).....$	46.66	21.99
PLUMBERS: MECHANICAL CONTRACTS INCLUDING ALL PIPING AND TEMPERATURE CONTROL WORK OVER $7.0 MILLION (CAMDEN, COLE, CRAWFORD, FRANKLIN, JEFFERSON, MARIES, MILLER, MONITEAU, OSAGE, PHELPS, PULASKI, ST. CHARLES, ST. LOUIS (CITY AND COUNTY), WARREN AND WASHINGTON COUNTIES).....$	46.66	21.99

TEAM0013-001 05/01/2025

	Rates	Fringes
TRUCK DRIVERS, GROUP 1 FLAT BED TRUCKS, SINGLE AXLE; STATION WAGONS; PICKUP TRUCKS; MATERIAL TRUCKS, SINGLE AXLE; TANK WAGON, SINGLE AXLE (AUDRAIN, BOLLINGER, BOONE, CALLAWAY, CAPE GIRARDEAU, CARTER, COLE, CRAWFORD, DENT, GASCONADE, IRON, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONROE, MONTGOMERY, NEW MADRID, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, RALLS, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON AND WAYNE COUNTIES).....$	36.57	15.85
TRUCK DRIVERS, GROUP 2 AGITATOR AND TRANSIT MIX TRUCKS (AUDRAIN, BOLLINGER, BOONE, CALLAWAY, CAPE GIRARDEAU, CARTER, COLE, CRAWFORD, DENT, GASCONADE, IRON, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONROE, MONTGOMERY, NEW MADRID, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, RALLS, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON AND WAYNE COUNTIES).....$	36.72	15.85
TRUCK DRIVERS, GROUP 3 FLAT BED TRUCKS, TANDEM AXLE; ARTICULATED DUMP TRUCKS; MATERIAL TRUCKS, TANDEM AXLE; TANK WAGON, TANDEM AXLE (AUDRAIN, BOLLINGER, BOONE, CALLAWAY, CAPE GIRARDEAU, CARTER, COLE, CRAWFORD, DENT, GASCONADE, IRON, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONROE, MONTGOMERY, NEW MADRID, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, RALLS, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON AND WAYNE COUNTIES).....$	36.84	15.85
TRUCK DRIVERS, GROUP 4 SEMI AND/OR POLE TRAILERS; WINCH, FORK & STEEL TRUCKS; DISTRIBUTOR DRIVERS AND OPERATORS; TANK WAGON, SEMI-TRAILER; INSLEY WAGONS, DUMPSTERS, HALF-TRACKS, SPEEDACE, EUCLIDS AND OTHER SIMILAR EQUIPMENT; A-FRAME AND DERRICK TRUCKS; FLOAT OR LOW BOY (AUDRAIN, BOLLINGER, BOONE, CALLAWAY, CAPE GIRARDEAU, CARTER, COLE, CRAWFORD, DENT, GASCONADE, IRON, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONROE, MONTGOMERY, NEW MADRID, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, RALLS, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON AND WAYNE COUNTIES).....$	36.73	15.85
TRUCK DRIVERS: GROUP 1 FLAT BED TRUCKS, SINGLE AXLE; STATION WAGONS; PICKUP TRUCKS; MATERIAL TRUCKS, SINGLE AXLE; TANK WAGON, SINGLE AXLE (ADAIR, BUTLER, CLARK, DUNKIN, HOWELL, KNOX, LEWIS, OREGON, PUTNAM, RIPLEY, SCHUYLER AND SCOTLAND COUNTIES).....$	35.84	15.85
TRUCK DRIVERS: GROUP 1 FLAT BED TRUCKS, SINGLE AXLE; STATION WAGONS; PICKUP TRUCKS; MATERIAL TRUCKS, SINGLE AXLE; TANK WAGON, SINGLE AXLE (FRANKLIN, JEFFERSON AND ST. CHARLES COUNTIES).....$	38.93	15.85
TRUCK DRIVERS: GROUP 1 FLAT BED TRUCKS, SINGLE		

AXLE; STATION WAGONS; PICKUP TRUCKS; MATERIAL TRUCKS, SINGLE AXLE; TANK WAGON, SINGLE AXLE (LINCOLN AND WARREN COUNTIES).....$ 37.58 15.85

TRUCK DRIVERS: GROUP 2 AGITATOR AND TRANSIT MIX TRUCKS (ADAIR, BUTLER, CLARK, DUNKIN, HOWELL, KNOX, LEWIS, OREGON, PUTNAM, RIPLEY, SCHUYLER AND SCOTLAND COUNTIES).....$ 35.99 15.85

TRUCK DRIVERS: GROUP 2 AGITATOR AND TRANSIT MIX TRUCKS (FRANKLIN, JEFFERSON AND ST. CHARLES COUNTIES).....$ 39.08 15.85

TRUCK DRIVERS: GROUP 2 AGITATOR AND TRANSIT MIX TRUCKS (LINCOLN AND WARREN COUNTIES).....$ 38.73 15.85

TRUCK DRIVERS: GROUP 3 FLAT BED TRUCKS, TANDEM AXLE; ARTICULATED DUMP TRUCKS; MATERIAL TRUCKS, TANDEM AXLE; TANK WAGON, TANDEM AXLE (ADAIR, BUTLER, CLARK, DUNKIN, HOWELL, KNOX, LEWIS, OREGON, PUTNAM, RIPLEY, SCHUYLER AND SCOTLAND COUNTIES).....$ 36.11 15.85

TRUCK DRIVERS: GROUP 3 FLAT BED TRUCKS, TANDEM AXLE; ARTICULATED DUMP TRUCKS; MATERIAL TRUCKS, TANDEM AXLE; TANK WAGON, TANDEM AXLE (FRANKLIN, JEFFERSON AND ST. CHARLES COUNTIES).....$ 39.15 15.85

TRUCK DRIVERS: GROUP 3 FLAT BED TRUCKS, TANDEM AXLE; ARTICULATED DUMP TRUCKS; MATERIAL TRUCKS, TANDEM AXLE; TANK WAGON, TANDEM AXLE (LINCOLN AND WARREN COUNTIES).....$ 37.80 15.85

TRUCK DRIVERS: GROUP 4 SEMI AND/OR POLE TRAILERS; WINCH, FORK & STEEL TRUCKS; DISTRIBUTOR DRIVERS AND OPERATORS; TANK WAGON, SEMI-TRAILER; INSLEY WAGONS, DUMPSTERS, HALF-TRACKS, SPEEDACE, EUCLIDS AND OTHER SIMILAR EQUIPMENT; A-FRAME AND (LINCOLN AND WARREN COUNTIES)DERRICK TRUCKS; FLOAT OR LOW BOY....$ 37.69 15.85

TRUCK DRIVERS: GROUP 4 SEMI AND/OR POLE TRAILERS; WINCH, FORK & STEEL TRUCKS; DISTRIBUTOR DRIVERS AND OPERATORS; TANK WAGON, SEMI-TRAILER; INSLEY WAGONS, DUMPSTERS, HALF-TRACKS, SPEEDACE, EUCLIDS AND OTHER SIMILAR EQUIPMENT; A-FRAME AND DERRICK TRUCKS; FLOAT OR LOW BOY (ADAIR, BUTLER, CLARK, DUNKIN, HOWELL, KNOX, LEWIS, OREGON, PUTNAM, RIPLEY, SCHUYLER AND SCOTLAND COUNTIES).....$ 35.74 15.85

TRUCK DRIVERS: GROUP 4 SEMI AND/OR POLE TRAILERS; WINCH, FORK & STEEL TRUCKS; DISTRIBUTOR DRIVERS AND OPERATORS; TANK WAGON, SEMI-TRAILER; INSLEY WAGONS, DUMPSTERS, HALF-TRACKS, SPEEDACE, EUCLIDS AND OTHER SIMILAR EQUIPMENT; A-FRAME AND DERRICK TRUCKS; FLOAT OR LOW BOY (FRANKLIN, JEFFERSON AND ST. CHARLES COUNTIES).....$ 39.04 15.85

TEAM0056-001 05/01/2024

	Rates	Fringes
TRUCK DRIVERS: GROUP 1 FLAT BED TRUCKS SINGLE AXLE; STATION WAGONS; PICKUP TRUCKS; MATERIAL TRUCKS SINGLE AXLE; TANK WAGONS SINGLE AXLE. (BUCHANAN, JOHNSON AND LAFAYETTE COUNTIES)	$ 35.93	15.75
TRUCK DRIVERS: GROUP 2 AGITATOR AND TRANSIT MIX-TRUCKS. (BUCHANAN, JOHNSON AND LAFAYETTE COUNTIES)	$ 36.04	15.75
TRUCK DRIVERS: GROUP 3 FLAT BED TRUCKS TANDEM AXLE; ARTICULATED DUMP TRUCKS; MATERIAL TRUCKS TANDEM AXLE; TANK WAGONS TANDEM AXLE. (BUCHANAN, JOHNSON AND LAFAYETTE COUNTIES)	$ 36.08	15.75
TRUCK DRIVERS: GROUP 4 SEMI AND/OR POLE TRAILERS; WINCH, FORK & STEEL TRUCKS; DISTRIBUTOR DRIVERS & OPERATORS; TANK WAGONS SEMI- TRAILER; INSLEY WAGONS, DUMPSTERS, HALF-TRACKS, SPEEDACE, EUCLIDS &		

OTHER SIMILAR EQUIPMENT; A-FRAMES AND DERRICK TRUCKS; FLOAT OR LOW BOY. (BUCHANAN, JOHNSON AND LAFAYETTE COUNTIES).....$ 36.08 15.75

TEAM0056-001 05/01/2025

	Rates	Fringes
TRUCK DRIVERS, GROUP 1 FLAT BED TRUCKS SINGLE AXLE; STATION WAGONS; PICKUP TRUCKS; MATERIAL TRUCKS SINGLE AXLE; TANK WAGONS SINGLE AXLE. (ANDREW, BARTON, BATES, BENTON, CALDWELL, CAMDEN, CARROLL, CEDAR, CHARITON, CHRISTIAN, CLINTON, COOPER, DADE, DALLAS, DAVIESS, DEKALB, DOUGLAS, GREENE, HENRY, HICHKORY, HOWARD, JASPER, LACLEDE, LAWRENCE, LINN, LIVINGSTON, MONITEAU, MORGAN, NEWTON, PETTIS, POLK, RANDOLPH, ST. CLAIR, SALINE, VERNON, WEBSTER AND WRIGHT COUNTIES)	$ 36.27	15.85
TRUCK DRIVERS, GROUP 2 AGITATOR AND TRANSIT MIX-TRUCKS. (ANDREW, BARTON, BATES, BENTON, CALDWELL, CAMDEN, CARROLL, CEDAR, CHARITON, CHRISTIAN, CLINTON, COOPER, DADE, DALLAS, DAVIESS, DEKALB, DOUGLAS, GREENE, HENRY, HICHKORY, HOWARD, JASPER, LACLEDE, LAWRENCE, LINN, LIVINGSTON, MONITEAU, MORGAN, NEWTON, PETTIS, POLK, RANDOLPH, ST. CLAIR, SALINE, VERNON, WEBSTER AND WRIGHT COUNTIES)	$ 36.43	15.85
TRUCK DRIVERS, GROUP 3 FLAT BED TRUCKS TANDEM AXLE; ARTICULATED DUMP TRUCKS; MATERIAL TRUCKS TANDEM AXLE; TANK WAGONS TANDEM AXLE. (ANDREW, BARTON, BATES, BENTON, CALDWELL, CAMDEN, CARROLL, CEDAR, CHARITON, CHRISTIAN, CLINTON, COOPER, DADE, DALLAS, DAVIESS, DEKALB, DOUGLAS, GREENE, HENRY, HICHKORY, HOWARD, JASPER, LACLEDE, LAWRENCE, LINN, LIVINGSTON, MONITEAU, MORGAN, NEWTON, PETTIS, POLK, RANDOLPH, ST. CLAIR, SALINE, VERNON, WEBSTER AND WRIGHT COUNTIES)	$ 36.42	15.85
TRUCK DRIVERS, GROUP 4 SEMI AND/OR POLE TRAILERS; WINCH, FORK & STEEL TRUCKS; DISTRIBUTOR DRIVERS & OPERATORS; TANK WAGONS SEMI- TRAILER; INSLEY WAGONS, DUMPSTERS, HALF-TRACKS, SPEEDACE, EUCLIDS & OTHER SIMILAR EQUIPMENT; A-FRAMES AND DERRICK TRUCKS; FLOAT OR LOW BOY. (ANDREW, BARTON, BATES, BENTON, CALDWELL, CAMDEN, CARROLL, CEDAR, CHARITON, CHRISTIAN, CLINTON, COOPER, DADE, DALLAS, DAVIESS, DEKALB, DOUGLAS, GREENE, HENRY, HICHKORY, HOWARD, JASPER, LACLEDE, LAWRENCE, LINN, LIVINGSTON, MONITEAU, MORGAN, NEWTON, PETTIS, POLK, RANDOLPH, ST. CLAIR, SALINE, VERNON, WEBSTER AND WRIGHT COUNTIES)	$ 36.54	15.85
TRUCK DRIVERS: GROUP 1 FLAT BED TRUCKS SINGLE AXLE; STATION WAGONS; PICKUP TRUCKS; MATERIAL TRUCKS SINGLE AXLE; TANK WAGONS SINGLE AXLE. ATCHISON, BARRY, GENTRY, GRUNDY, HARRISON, HOLT, MCDONALD, MERCER, NODAWAY, OZARK, STONE, SULLIVAN, TANEY AND WORTH COUNTIES	$ 35.54	15.85
TRUCK DRIVERS: GROUP 2 AGITATOR AND TRANSIT MIX-TRUCKS. ATCHISON, BARRY, GENTRY, GRUNDY, HARRISON, HOLT, MCDONALD, MERCER, NODAWAY, OZARK, STONE, SULLIVAN, TANEY AND WORTH COUNTIES	$ 35.70	15.85
TRUCK DRIVERS: GROUP 3 FLAT BED TRUCKS TANDEM AXLE; ARTICULATED DUMP TRUCKS; MATERIAL TRUCKS TANDEM AXLE; TANK WAGONS TANDEM AXLE. ATCHISON, BARRY, GENTRY, GRUNDY, HARRISON, HOLT, MCDONALD, MERCER, NODAWAY, OZARK, STONE, SULLIVAN, TANEY AND WORTH COUNTIES	$ 35.69	15.85

TRUCK DRIVERS: GROUP 4 SEMI AND/OR POLE TRAILERS; WINCH, FORK & STEEL TRUCKS; DISTRIBUTOR DRIVERS & OPERATORS; TANK WAGONS SEMI- TRAILER; INSLEY WAGONS, DUMPSTERS, HALF-TRACKS, SPEEDACE, EUCLIDS & OTHER SIMILAR EQUIPMENT; A-FRAMES AND DERRICK TRUCKS; FLOAT OR LOW BOY. ATCHISON, BARRY, GENTRY, GRUNDY, HARRISON, HOLT, MCDONALD, MERCER, NODAWAY, OZARK, STONE, SULLIVAN, TANEY AND WORTH COUNTIES....$ 35.81 15.85

TEAM0245-001 03/26/2012

	Rates	Fringes
TRUCK DRIVERS: TRAFFIC CONTROL SERVICE DRIVER. PAID HOLIDAYS: NEW YEAR'S DAY, DECORATION DAY, JULY 4TH, LABOR DAY, THANKSGIVING DAY, CHRISTMAS DAY, EMPLOYEE'S BIRTHDAY AND 2 PERSONAL DAYS.....$	20.45	0.00

TEAM0541-001 04/01/2025

	Rates	Fringes
TRUCK DRIVERS: GROUP 1 (CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES).....$	38.61	15.85
TRUCK DRIVERS: GROUP 2 (CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES).....$	38.04	15.85
TRUCK DRIVERS: GROUP 3 (CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES).....$	37.52	15.85

TEAM0682-002 05/01/2025

	Rates	Fringes
TRUCK DRIVERS: GROUP 1 (ST LOUIS CITY AND COUNTY)...$	37.83	9.85
TRUCK DRIVERS: GROUP 2 (ST LOUIS CITY AND COUNTY)...$	37.83	9.85
TRUCK DRIVERS: GROUP 3 (ST LOUIS CITY AND COUNTY)...$	37.83	9.85

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at https://www.dol.gov/agencies/whd/government-contracts.

Note: Executive Order 13658 generally applies to contracts subject to the Davis-Bacon Act that were awarded on or between January 1, 2015 and January 29, 2022, and that have not been renewed or extended on or after January 30, 2022. Executive Order 13658 does not apply to contracts subject only to the Davis-Bacon Related Acts regardless of when they were awarded. If a contract is subject to Executive Order 13658, the contractor must pay all covered workers at

least $13.65 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract from May 11, 2026, through December 31, 2026. The applicable Executive Order minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under Executive Order 13658 is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than SU, UAVG, SA, or SC denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The SU identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this

classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

SU wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The SA identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the SA identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:

a) a survey underlying a wage determination
b) an existing published wage determination
c) an initial WHD letter setting forth a position on a wage determination matter
d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations

Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210.

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END OF GENERAL DECISION"

This RER has been completed, only administrators may edit this document now, they will contact you if any information changes.

Date Completed: 10/30/2024
Completed By: Kerry Stoneking

Request for Environmental Review
Form#:2024-01-00208

☐ Alternative Project Delivery Method (such as Design/Build)

Project Information

Prefix:	STP	Project Number:	4901650	Bridge Number:	
District:	St. Louis	County:		Sponsor:	
				Sponsor Email:	
TIP Number:	7181-23, 7236-23	Rte/Street:	Mullanphy Road		
MoDOT Job Number:		TIGER Grant Funds:		Is this project on or adjacent to MoDOT Right of Way:	No
Location/Stream Crossing :	MULLANPHY RD				
TMS Project Description - termini (no stations):	CITY OF FLORISSANT, ST. LOUIS CO, RESURFACING AND ADD SIDEWALKS ON MULLANPHY RD FROM PATTERSON RD TO SHACKELFORD RD				
Describe RER project improvements in full detail:	Mullanphy Road is a two lane roadway with parking on one side through residential areas. The subject project extends from Shackelford Road to Patterson Road. Sidewalks exist only on the north side of the road for the majority of the project length. A sidewalk exists south side also between Loveland Drive and Shackelford Road. The sidewalk on the south side will be extended from Loveland Drive to Patterson Road to provide a sidewalk connection to the parks and trail adjacent to the intersection of Mullanphy Road and Patterson Road. Mullanphy Road is a transit route with bus stops along the roadway on both sides. The Sunset Greenway, which runs adjacent to Humes Lane, parallels Mullanphy a few blocks to the north and performs as the primary bicycle route for east-west bicycle travel in the area. Recent Missouri American Water project open cut Mullanphy for the full length of the project adjacent to the north curb line. Excavated pavement areas have been recently restored. Settlement of trenched and restored areas may occur over time making the need for resurfacing even more necessary by the time construction begins on the project. The scope of the improvements includes resurfacing the roadway, replacement of damaged or deteriorated curb and sidewalk, construction of accessible curb ramps, and new sidewalk to improve pedestrian safety and mobility.				
District Liaison:	Christopher Caldwell - 314-453-1784			Contact:	None selected
Email:	Christopher.Caldwell2@modot.mo.gov			Email:	andrea.davis@hrgreen.com
Contact:	None selected			Contact:	None selected
Email:				Email:	
Date Desired:	03/01/2024			Submit Date:	01/31/2024
Desired A-Date:	08/01/2024				
Responsible Individual:	Andrea Davis - (1/30/2024 5:16:26 PM) - 636-812-4203			Submitted By:	Andrea Davis - (1/31/2024 12:00:00 AM) - 636-812-4203

Existing Condition

ADT:	5376			Speed Limit:	25
Number of Travel Lanes:	2			Lane Width:	11
Shoulder Width:	0			Curb and Gutter:	Yes
Bridge width, measured from guttlerline to gutterline:	N/A			Sidewalks:	Left

Proposed Design Improvement

ADT:	6824	Speed Limit:	25	Design Speed:	25
Number of Travel Lanes:	2			Lane Width:	11
Shoulder Width:	0			Curb and Gutter:	Yes
Bridge width, measured from gutterline to gutterline:	N/A			Sidewalks:	Both
Bridge Length:	N/A			Roadway length:	1.05
Railroad Crossing	No			Drainage District (If Applicable):	None

Program Year:

Preliminary Engineering:	2024	Right of Way:	2024

Construction: 2025

Has the sponsor documented that the project has: 1. Independent utility, 2. Logical termini, and 3. Does not restrict consideration of alternatives for other reasonably foreseeable transportation improvements?: (●) Yes ( ) No

☐ Project breakout from previous or larger project? *If checked explain:*

Acres - From all sources (e.g. donated from public or private entities):

Additional R/W (acres): 0.09 **Temp Easement (acres):** 0.27 **Permanent Easement (acres):** 0.0

ROW may be needed, but, not yet determined? Yes

Is ANY Federally-owned land impacted by the project? ( ) Yes (●) No

Land Disturbance:

Will project involve 1 acre or more: No

Acres of Tree Clearing: 0.09 acres

DO NOT CLEAR TREES W/O MODOT'S PRIOR WRITTEN APPROVAL.

Number of Displacements(do not include partial takes that do not displace):

Residential: ( ) Yes (●) No Commercial: ( ) Yes (●) No

No. of People: Residences: No. of Employees: Businesses:

Any Public Involvement planned or completed:

A public meeting is anticipated to occur in the summer of 2024. Mullanphy Road was a bus route, but the route has been out of service since 2020. Metro Bus was contacted, and they have confirmed this route will not be put back into service. No bus routes will be affected by construction. Email correspondence with Metro is attached.

Average Daily Traffic:

ADT Construction Year: 5376 ADT Design Year: 6824

Traffic Impacts:

Road Closure Planned: ( ) Yes (●) No Bridge Closure Planned: ( ) Yes (●) No

Days/Months Closed: Detour > 25 mi rural (including local roads) ( ) Yes (●) No

Detour > 5 mi urban (including local roads, census defined urban) ( ) Yes (●) No

Detour Info:

Bicycle / Pedestrian Consideration

Pedestrian facilities considered: Yes Bicycle facilities considered: Yes

National Flood Insurance Program (NFIP) and Hydraulic Design Data:

☐ Project involves land purchased through FEMA Hazard Mitigation Grant Program (Flood buyout property)

If checked, give details:

Is ANY construction taking place on MoDOT owned property under this project?

( ) Yes (●) No

☑ Is highway improvement located within 4 miles of an existing airport?

Please note that **the LPA** is responsible for obtaining the necessary permits for the project. See the following Airport Link

Known Concerns: Provide information you have about these resources that you have observed in the area.

Parkland:	Initial 01/30/24: The existing sidewalk and new sidewalk will connect to the existing Great Rivers Greenway Sunset Greenway at the intersection of Mullanphy Road and Patterson Road. Update 06/06/24: The sidewalk construction will not result in closure of the Sunset Greenway. The new sidewalk is providing a connection to the greenway so that users on south side of Mullanphy can access the greenway, but no work will be done on the greenway itself.
Wetland/404 Permit:	Initial 01/30/24: According to NWI, no wetlands are located on the project limits. Approximately 425 feet south of the corridor, a drainage ditch runs parallel to Mullanphy Road which is categorized as Riverine in NWI.
Land Disturbance / Stormwater:	Initial 01/30/24: Less than 1 AC of disturbance is anticipated based on conceptual design.
Farmland:	Initial 01/30/24: No farmland is located on or adjacent to project limits.
Threatened & Endangered Species:	Initial 01/30/24: IPaC Official Species List is attached. MDC Level 3 report is attached. Follow up report from MDC has been requested. Tree clearing is not anticipated, unless singular street trees are required for sidewalk construction. Update 02/23/24: MDC response for Level 3 report is attached. Species assessment and preliminary plans forthcoming. Update 06/06/24: One tree will be cleared for this project. The species assessment with photos of the tree is attached.
Migratory Birds: Are there birds nesting on the structure?	○ Unknown ○ Yes ◉ No Initial 01/30/24: No bridges or large structures are located within project limits. No impacts to migratory birds anticipated.
Hazardous Waste:	Initial 01/30/24: E-Start shows one storage tank facility labeled 'no further action required' at the corner of Mullanphy and Patterson Road. Conflicts are not anticipated. E-Start screen capture attached.
Cultural Resources:	Initial 01/30/24: MO SHPO Map of Historic Resources shows no registered historic locations on the project. SHPO screen capture is attached. Mullanphy Road is almost exclusively a residential area with houses constructed in the 1950s and 1960s. The properties surrounding the intersection of Mullanphy Road and Shackelford Road are commercial, and Google Earth aerial imagery shows that these properties were developed prior to 1990. Update 05/30/24: Preliminary plans are attached. Update 08/06/24: RCIF, CRIR, cultural resources report, and appendices are attached. Update 08/31/24: SHPO determination of no historic properties affected is attached.
LPA Comments:	Update 06/06/24: FAA Notice Criteria Tool completed - does not exceed

Project Attachments:

NOTE: If making updates to an attachment, please use a different filename than the original.
The combined size of attachments in one upload must be less than 100MB

Attachments:

- Mullanphy Rd Open House - Website Screenshot 2024-11-04.png
- Mullanphy Rd Open House - Sign-in Sheet.pdf
- Mullanphy Rd Open House - Press Release.pdf
- Mullanphy Rd Open House - Facebook Screenshot 2024-11-06.png
- Mullanphy Rd Open House - Comment Form.pdf
- 110-SL-24 2491 nhpa.pdf
- 5_Draft_CulRes_brkSht_resume.pdf
- 4_Draft_CulRes_AppC.pdf
- 3_Draft_CulRes_AppB.pdf
- 2_Draft_CulRes_Report_AppA.pdf
- 1_Draft_CulRes_MDNR_RCIF_Form.pdf
- 240606_ListedSpeciesMemo_Mullanphy.pdf
- 240401_MetroBus_Correspondence.pdf
- FAA_Notice-Criteria-Tool_Do-Not-Exceed.pdf
- 240515_STP-4901650_Mullanphy_Preliminary_Plans.pdf
- MDC_Response_Level3_report_240223.pdf
- NWI_Screen_Capture.JPG
- MDC_Level3_project_report_mullanphy_road_resurf_64440_65973_FINAL.pdf
- IPaC_Species List_ Missouri Ecological Services Field Office.pdf
- E-Start_Screen_Capture.JPG
- FIRMETTE_68ba8a90-23bd-4af6-a0d7-861e7dac6eb5.pdf
- SHPO_Screen_Capture.JPG
- Mullanphy.kmz

Required Information to be attached for each RER stage:

- ***Cost-Share agreement, if applicable***
- ***Funding Application***
- *Location map (county map, topographic map or aerial map) showing the project limits*
- *plan sheets as the become available*
- *KMZ file showing project area/study area and tree clearing limits*
- *Permits/documentation as required (floodplain, farmland form, NWP, asbestos & lead based paint inspection reports, Section 106 report, RCI and CRIR forms, SHPO concurrence letter, USFWS IPac Official Species List, MDC Heritage Review Report, Effects determination)*

RER Environmental Screenings

Farmland Impact

Status: N/A

Status Information: (●) N/A ( ) Pending ( ) Cleared Clearance Date:

Environmental Response: The project is in a designated urbanized area as indicated on the U.S. Census Bureau Urban Area Reference Map. Therefore, the project is not subject to the Farmland Protection Policy Act.

LPA Action: None

Attachments:

☑ Farmland Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kerry Stoneking - 1/31/2024 10:35:05 AM

Floodplain/Regulatory Floodway

Status: N/A

Status Information: (•) N/A ( ) Pending ( ) Cleared

Clearance Date:

Environmental Response: According to the attached FEMA floodplain map, the project is not located in the 100-year floodplain or the regulatory floodway. The project is not subject to floodplain permitting requirements.

LPA Action: None

Attachments: FIRMETTE_4901650.PNG

[x] Floodplain/Regulatory Floodway Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kerry Stoneking - 1/31/2024 10:42:43 AM

Land Disturbance / Stormwater

Status: N/A

Status Information: (•) N/A ( ) Possible Issues Noted

Clearance Date:

Environmental Response: If the project is in a regulated MS4 area, adhere to the MS4 requirements as defined in the MS4 permit specific to that municipality. Stormwater routed into MoDOT's drainage system (e.g., ditches and stormwater conveyance systems) must be treated for water quality and/or quantity before entering the system. Any project with land disturbance of 1-acre or more requires a NDPES land disturbance permit from MDNR.

LPA Action: If the project will disturb 1-acre or more of land, obtain a NPDES land disturbance permit from DNR. The LPA must also implement best management practices in accordance with that permit and the Clean Water Act.

Attachments:

[x] Land Disturbance / Stormwater Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kerry Stoneking - 1/31/2024 10:48:03 AM

FEMA/SEMA Buyout

Status: N/A

Status Information: (•) N/A ( ) Pending ( ) Cleared

Clearance Date:

Environmental Response: According to the ArcMap GIS FEMA buyout layer, there are no flood buyout properties in the vicinity of the project. The project will not result in development on any FEMA buyout properties.

LPA Action: None

Attachments:

[x] FEMA/SEMA Buyout Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kerry Stoneking - 1/31/2024 10:48:30 AM

Socioeconomic Impact

Status: Cleared

Status Information: ( ) N/A ( ) Pending (•) Cleared

Clearance Date: 06/07/2024

Environmental Response: UPDATED (12/16/24): The consultant has provided documentation for the public meeting that took place on November 21, 2024. UPDATED (10/29/24): The public meeting will now be held the week of November 18th, 2024. The City plans to announce the meeting on their website and social media pages and use changeable message signs on Mullanphy Road. The project design will be presented on display boards in an open house style format. UPDATED (6/7/24): A public meeting is anticipated to occur in the summer of 2024. Mullanphy Road was a bus route, but the route has been out of service since 2020. Metro Bus was contacted, and they have confirmed this route will not be put back into service. No bus routes will be affected by construction. Email correspondence with Metro is attached. There are no significant socioeconomic impacts associated with this project. Impacts will be temporary and limited to traffic disruptions, construction noise, and fugitive dust and emissions in the area of project construction. INITIAL: The project requires new right of way, temporary easements, and permanent easements that are subject to the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended. The project does not require commercial or residential displacements. Road closures and detours will not be necessary during construction. A public meeting is anticipated to occur in May 2024. Based on a review of EJScreen, the project site is not located in an area with a high limited-English speaking population (0%). It is located in an area with a high minority population (63%) and a high low-income population (67%). However, the project will provide a benefit to the community by increasing access to nearby amenities. Mullanphy Road is a transit route with bus stops along the roadway on both sides.

LPA Action: UPDATED (6/7/24): Provide documentation of any comments received at the public meeting and how they were addressed. Conduct the acquisition of affected properties in accordance with the procedures established in the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended. Provide sufficient public notice of construction work and traffic management plans consistent with MoDOT's and local public involvement policies and procedures. Ensure a traffic management control plan is implemented by the contractor during construction which should include how the public will be notified of travel disruptions. INITIAL: Confirm whether or not access to bus stops will be restricted during construction.

Attachments:

[x] Socioeconomic Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kerry Stoneking - 12/16/2024 7:22:42 AM

Threatened & Endangered Species

Status: No Effect

Status Information: (●) No Effect ( ) Pending ( ) Cleared Clearance Date: 06/19/2024

Environmental Response: UPDATE 4/16/2026: The consultant requested review to determine if the project is within the No Effect zone for bats established by USFWS. The project is entirely within this area - no tree clearing restrictions are required for the project. UPDATE 6/19/2024: MoDOT has completed a TE review for the project (effects determination attached). The USFWS IPaC lists the following species for the project area: gray bat, Indiana bat, northern long-eared bat, tricolored bat (proposed endangered), and decurrent false aster. There are no critical habitats located within the project limits. Based on follow-up MDC email correspondence regarding the Level 3 report, MDC has no further concerns or recommendations regarding the project. Based on this response, the project will not impact state-listed species or species of conservation concern. The project will not impact any known caves or structures that could be used by bats for roosting. The project will have No Effect on gray bats. The consultant indicated that removal of a single tree would be required for the project. The tree to be removed is located less than 100 feet from the existing roadway. The consultant completed a habitat assessment and indicated that the tree to be removed is not suitable habitat for Indiana and northern long-eared bats. MoDOT reviewed the consultant's habitat assessment documentation and agrees with their assessment; the existing tree is located in a residential lawn and lacks characteristics that would make it suitable summer roosting habitat. Based on the lack of suitable summer habitat, MoDOT determined that the project would have No Effect on Indiana and northern long-eared bats. While the removal of 1 tree will not jeopardize the continued existence of the tricolored bat, the sponsor has agreed to seasonal tree clearing restrictions and has committed to completing tree removal during the winter inactive season between November 1 – March 31; a JSP will be required. Suitable habitat for the decurrent false aster is not present within the project area and the project will have No Effect on the decurrent false aster. This completes the TE requirements for the project. UPDATE 6/6/2024: The consultant submitted all T&E documentation which has been provided to MoDOT's T&E biologist for review and effects determinations. The environmental specialist will notify the consultant of the progress of the review. IPaC Official Species List and MDC Level 3 initial report have been provided. Follow up MDC response has been received. Additional items listed in LPA Action below are required to complete T&E species review.

LPA Action: Nothing further required. Ensure that the seasonal tree clearing JSP is included in contract documents and implemented during project construction.

Attachments:

- STP-4901(650)_Mullanphy_NE Zone_No Tree Clearing Restrictions.pdf
- TE Complete - No Effect Tree Clearing JSP Required STP-4901(650) St. Louis Mullanphy Road.msg
- STP-4901(650)_MoDOT Effects Determination_St Louis_Mullanphy Road_FINAL.pdf

☑ Threatened & Endangered Species Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Mark Sowers - 4/16/2026 3:48:36 PM

Migratory Birds

Status: N/A

Status Information: (●) N/A ( ) Pending ( ) Cleared Clearance Date:

Environmental Response: According to the RER submission, no bridges or other structures will be impacted by the project. Therefore, there are no conflicts or concerns regarding the Migratory Bird Treaty Act.

LPA Action: None

Attachments:

☑ Migratory Birds Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Mark Sowers - 1/31/2024 8:54:41 AM

Hazardous Waste Impact

Status: N/A

Status Information: (●) N/A ( ) Pending ( ) Cleared Clearance Date:

Environmental Response: According to the attached DNR E-START map, there are no Hazardous Substance Investigation and Cleanup Sites and no Regulated Petroleum and Hazardous Substance Storage Tank Facilities in the vicinity of the project area. There are no hazardous waste site concerns based on this information. However, the potential to encounter hazardous wastes from sites unknown to the LPA and MoDOT should always be a consideration.

LPA Action: If there is any hydroblasting, grooving, milling or diamond grinding related to the project, residue and associated water must be prevented from being released to waterways or adjacent wetlands. Any hazardous waste sites that are found during project construction will be addressed by the LPA sponsor in accordance with Federal and State Laws and Regulations. If any hazardous waste concerns arise, notify MoDOT's environmental specialist as soon as possible.

Attachments:

- EStart_4901650.PNG

☑ Hazardous Waste Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kerry Stoneking - 1/31/2024 11:54:49 AM

Wetland Impact (Section 404/401)

Status: N/A

Status Information: (•) N/A ( ) Pending ( ) Cleared Clearance Date:

Environmental Response: According to the attached USFWS National Wetlands Inventory map, and Google Earth imagery, there are no wetlands, blue line streams, lakes, ponds, or other waters of the U.S. in or around the project area. The project is not anticipated to impact wetlands or waters of the U.S.

LPA Action: None

Wetland Permit Information:

404 Permit Number	Permit Submitted	Permit Received
Permit Expiration	Compliance Certification Sent	Compliance Certification Received

Attachments: NWI_4901650.pdf

☑ Wetland Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kerry Stoneking - 1/31/2024 11:54:04 AM

Noise Impact

Status: N/A

Status Information: (•) N/A ( ) Pending ( ) Cleared Clearance Date:

Environmental Response: This is a Type III project and a noise analysis is not required.

LPA Action: None

Attachments:

☑ Noise Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kerry Stoneking - 1/31/2024 11:40:05 AM

Cultural Resources Impact (Section 106/Historic 4f)

Status: Cleared

Section 106 Status: ○ Pending ◉ Cleared

Section 106 SHPO Submittal Date:

Clearance Date: 10/28/2024

Project Specific Agreement Document:

◉ N/A ○ PA ○ MOA

Select Programmatic Agreements Used:

First Choice: -- Select Programmatic Agreement Used --

Second Choice: -- Select Programmatic Agreement Used --

Third Choice: -- Select Programmatic Agreement Used --

Built Environment Response:

Reviewer: Review completed for Built Environment ☐

Archaeological Response:

Reviewer: Review completed for Archaeology ☐

Environmental Response: UPDATE 10/28/2024: An adequate cultural resources survey was completed for this project. On August 29, 2024, SHPO concurred with a determination of No Historic Properties Affected (SHPO Project No. 110-SL-24). UPDATE 8/26/2024: The report may be submitted to SHPO. UPDATE 6/12/2024: The project requires a Section 106 Review in consultation with MoDOT, the City of Florissant, and the State Historic Preservation Officer (SHPO) for identifying potential cultural resources that may be impacted by the project. Initial Response: MoDOT requires project plans showing the limits of disturbance, ROW, and easements to determine cultural resource requirements for this project.

LPA Action: UPDATE 10/28/2024: Be advised that if changes are made to the project (including but not limited to the addition of new right of way or easements, or the changing of the scope) the project will need to be reevaluated and additional clearances may be required. UPDATE 6/12/2024: The project will include resurfacing and repairing existing sidewalks along Mullanphy Road from Patterson Road to Shackelford Road. New sidewalks will also be constructed along hte south side of Mullanphy Rd between Loveland Road and Patterson Road. The project is anticipated to require 0.09 acre of new right-of-way (ROW); and additional ROW may be needed. Approximately 0.27 acre of temporary easements is also expected to be needed. No permanent easement is anticipated. The project will also include approximately 0.09 acre of tree clearing. The new right-of-way and easements for the proposed sidewalk between Loveland and Patterson Roads appears to be within previously undisturbed land. Furthermore, archaeological sites have been discovered in similar settings within the county. Therefore, an archaeological survey must be conducted for the project. The cultural resources survey also must address the area of potential effects (APE) for the built environment. The APE for the built environment is defined as a 50 ft buffer around any areas of new ROW or permanent easement and around any temporary construction easements associated with sidewalk construction. The cultural resources survey should provide photographs, descriptions, and National Register of Historic Places evaluations of any built environment resources (buildings or structures 45 years of age or older) located in the APE for the built environment. If such resources are located, please include and all resources located on the associated parcel in the assessment. Resources less than 45 years old within the APE should be noted but do not need to be assessed. An assessment of effects must be provided for any resource that is listed or recommended eligible for listing in the National Register of Historic Places. Please submit a report of the cultural resource survey to MoDOT for review before submission to SHPO. A Review and Compliance Information Form and Cultural Resource Investigation Report Form must accompany every submission to SHPO. A list of Historic Preservation consultants included on MoDOT's LPA Consultant On-Call List can be found here: 2023-2026 LPA Consultant On-Call List | Missouri Department of Transportation (modot.org) Initial Response: Please post plans when available and we will provide further instructions.

Attachments: St. Louis_Mullanphy Rd_STP 4901(650)_Section 106_Admin_Record.pdf

☐ Adverse Effect or Conditional No Adverse Effect

☑ Based on the review of the project location and description noted above, there are no identified historic 4(f) resources affected that would preclude the setting of an A-date.

Checked by: Elizabeth Gallow on 10/28/2024 NA

Approved on:

☑ Cultural Resources Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Alyssa Reynolds - 11/13/2024 8:36:29 AM

Public Land Impact (Section 4f/6f)

Status: Cleared

Status Information: ○ N/A ○ Pending ◉ Cleared

Clearance Date: 06/07/2024

Environmental Response: UPDATED (6/7/24): The consultant has confirmed that the construction will not cause a closure of Sunset Greenway. The new sidewalk is providing a connection to the greenway so that users on south side of Mullanphy can access the greenway, but no work will be done on the greenway itself. INITIAL: The intersection of Mullanphy Road and Patterson Road is crossed by the Sunset Greenway, a Section 4(f) resource. The trail has not received funding from Land and Water Conservation Funds for land acquisition or improvements; therefore, Section 6(f) does not apply. The RER submission indicates that proposed sidewalks will tie in to the existing trail.

LPA Action: COMPLETED: Indicate whether sidewalk construction to tie into the Sunset Greenway will result in any temporary closure of the trail.

Attachments:

☑ Based on the review of the project location and description noted above, there are no identified 4(f) or 6(f) resources affected that would preclude the setting of an A-date.

Checked by: Kerry Stoneking on 06/07/2024

☑ Public Land Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kerry Stoneking - 6/7/2024 12:33:00 PM

Other

Status: Cleared

Status Information: ○ N/A ○ Pending ◉ Cleared

Clearance Date: 06/07/2024

Environmental Response: UPDATED (6/7/24): The consultant has uploaded a memo from FAA's Notice Criteria Tool which determined that the project does not exceed Notice Criteria. INITIAL: The project is within 4 miles of St. Louis Lambert International Airport, an existing public use airport.

LPA Action: COMPLETED: Access FAA's Notice Criteria Tool at: https://oeaaa.faa.gov/oeaaa/external/gisTools/gisAction.jsp?action=showNoNoticeRequiredToolForm After entering improvement information into the FAA tool, filing information will be determined with one of two outcomes: (1) the improvement will need to be filed with the FAA, or (2) the improvement does not meet the FAA's filing requirement and no further action is required. Upload all documentation to the RER. This section does not have to be complete to obtain a NEPA date or A-date but must be completed before the environmental specialist issues All Environmental Issues Cleared. OR for RESs - Ensure documentation is uploaded to e-Projects.

Attachments:

☑ Other Screening Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kerry Stoneking - 6/7/2024 12:40:41 PM

NEPA Classification

Status: Cleared

NEPA Right-Of-Way Permission: Can Proceed to Buy R/W

as determined or approved by: KYLE.GRAYSON@MODOT.MO.GOV

EPA Approval/Proceed to A-date Request: 10/30/2024

Re-evaluation Date:

NEPA Classification: PCE

is project qualifies for the programmatic categorical exclusion under Item#: 26

All Environmental Issues Cleared: 10/30/2024

Commitments and/or omments to Sponsor: If there are any changes in the scope of the project, the Environmental Section should review those changes. The sponsor is ultimately responsible for complying with all applicable state and federal laws.

chments:

NEPA Concurrence RER#2024-01-00208 SL 4901650 ST. LOUIS.msg

Last Submitted: 10/30/2024 by Kerry Stoneking

Davis, Andrea

From: Kyle E. Grayson
Sent: Wednesday, October 30, 2024 2:50 PM
To: Kerry B. Stoneking
Cc: Mark Sowers
Subject: RE: Requested Action - NEPA Concurrence, RER#2024-01-00208, SL, 4901650, ST. LOUIS

Kerry,

I concur with a PCE #26 NEPA Classification for the subject project. Thank you!

KYLE GRAYSON
ENVIRONMENTAL COMPLIANCE MANAGER, MODOT
573-526-5648

From: Kerry B. Stoneking <Kerry.Stoneking@modot.mo.gov>
Sent: Tuesday, October 29, 2024 3:08 PM
To: Kyle E. Grayson <Kyle.Grayson@modot.mo.gov>
Cc: Mark Sowers <Mark.Sowers@modot.mo.gov>
Subject: Requested Action - NEPA Concurrence, RER#2024-01-00208, SL, 4901650, ST. LOUIS

Hi Kyle,

I am requesting concurrence that the project below qualifies for a PCE NEPA classification. The project involves resurfacing and construction of sidewalks along Mullanphy Road from Patterson Road to Shackelford Road in St. Louis County. The project requires 0.27-acre of temporary easements, 0.0 permanent easements, and 0.9-acre of new ROW and the TE Species, Cultural Resources, and Public Lands sections of the RER have been cleared. Planned public involvement information has also been provided. I believe the project qualifies for a PCE based on Criteria #26 of the PCE Agreement. Let me know if you agree.

Thanks!

RER (mo.gov)

Kerry Stoneking
Environmental Contractor
(913)-318-4786
MoDOT-Design
601 West Main Street, PO Box 270
Jefferson City, MO

MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Michael L. Parson
Governor

Dru Buntin
Director

August 29, 2024

Andrea Schumann Davis
HR Green
520 Maryville Centre Drive, Suite 100
St. Louis, MO 63141

Re: **SHPO Project Number: 110-SL-24** — Cultural Resources Investigation for Mullanphy Road Improvements - STP#4901(650) – Florissant, St. Louis County, Missouri (FHWA)

Dear Andrea Schumann Davis:

Thank you for submitting information to the State Historic Preservation Office (SHPO) regarding the above-referenced project for review pursuant to Section 106 of the National Historic Preservation Act, P.L. 89-665, as amended (NHPA), and the Advisory Council on Historic Preservation's regulation 36 CFR Part 800, which require identification and evaluation of historic properties.

We have reviewed the information regarding the above-referenced project and have included our comments on the following page(s). Please retain this documentation as evidence of consultation with the Missouri SHPO under Section 106 of the NHPA. SHPO concurrence does not complete the Section 106 process as federal agencies will need to conduct consultation with all interested parties. **Please be advised that, if the current project area or scope of work changes, such as a borrow area being added, or cultural materials are encountered during construction, appropriate information must be provided to this office for further review and comment.**

If you have questions please contact the SHPO at (573)751-7858 or call/email Charles Horton (573) 526-4591, charles.horton@dnr.mo.gov. If additional information is required please submit the information via email to MOSection106@dnr.mo.gov.

Sincerely,

STATE HISTORIC PRESERVATION OFFICE

Dawn Scott
Director

c: Michele Lorenzini, Mound City Archaeological Services
Rachel Campbell, MoDOT
Rebecca Rost, FHWA

SHPO Project Number: 110-SL-24 — Cultural Resources Investigation for Mullanphy Road Improvements - STP#4901(650) – Florissant, St. Louis County, Missouri (FHWA)

COMMENTS:

We have reviewed the cultural resource assessment report for the Mullanphy Road Improvements - STP#4901(650), Florissant, St. Louis County, Missouri. Based on this review it is evident that an adequate survey has been conducted of the project area. We concur that the resources in the project area should be considered **not eligible** for the NRHP. We therefore also concur with the determination of **no historic properties affected** and have no objection to the initiation of project activities.

SHPO Reviewer: Charles Horton (573) 526-4591, charles.horton@dnr.mo.gov

Missouri Department of Conservation

Missouri Department of Conservation's Mission is to protect and manage the forest, fish, and wildlife resources of the state and to facilitate and provide opportunities for all citizens to use, enjoy and learn about these resources.

Natural Heritage Review Level Three Report: Species Listed Under the Federal Endangered Species Act

There are records of species listed under the Federal Endangered Species Act, and possibly also records for species listed Endangered by the state, or Missouri Species and/or Natural Communities of Conservation Concern within or near the the defined Project Area. Please contact the U.S. Fish and Wildlife Service and the Missouri Department of Conservation for further coordination.

Foreword: Thank you for accessing the Missouri Natural Heritage Review Website developed by the Missouri Department of Conservation with assistance from the U.S. Fish and Wildlife Service, the U.S. Army Corps of Engineers, Missouri Department of Transportation and NatureServe. The purpose of this report is to provide information to federal, state and local agencies, organizations, municipalities, corporations, and consultants regarding sensitive fish, wildlife, plants, natural communities, and habitats to assist in planning, designing, and permitting stages of projects.

PROJECT INFORMATION

Project Name and ID Number: Mullanphy Road Resurfacing #13976
User Project Number: STP-4901650
Project Description: Project is located in St. Louis County. No streams are located on project. Mullanphy Road is a two lane roadway with parking on one side through residential areas. The subject project extends from Shackelford Road to Patterson Road. Sidewalks exist only on the north side of the road for the majority of the project length. A sidewalk exists south side also between Loveland Drive and Shackelford Road. The sidewalk on the south side will be extended from Loveland Drive to Patterson Road to provide a sidewalk connection to the parks and trail adjacent to the intersection of Mullanphy Road and Patterson Road. Mullanphy Road is a transit route with bus stops along the roadway on both sides. The Sunset Greenway, which runs adjacent to Humes Lane, parallels Mullanphy a few blocks to the north and performs as the primary bicycle route for east-west bicycle travel in the area. Recent Missouri American Water project open cut Mullanphy for the full length of the project adjacent to the north curb line. Excavated pavement areas have been recently restored. Settlement of trenched and restored areas may occur over time making the need for resurfacing even more necessary by the time construction begins on the project. The scope of the improvements includes resurfacing the roadway, replacement of damaged or deteriorated curb and sidewalk, construction of accessible curb ramps, and new sidewalk to improve pedestrian safety and mobility.
Project Type: Transportation, Roads
Contact Person: Andrea Davis
Contact Information: andrea.davis@hrgreen.com or 6368124203

Disclaimer: This NATURAL HERITAGE REVIEW REPORT identifies if a species or natural community tracked by the Natural Heritage Program is known to occur within or near the project area submitted, and shares recommendations to avoid or minimize project impacts to sensitive species or natural habitats. Incorporating information from the Natural Heritage Program into project plans is an important step in reducing impacts to Missouri's sensitive natural resources. If an occurrence record is present, or the proposed project might affect federally listed species, the user must contact the Department of Conservation or U.S. Fish and Wildlife Service for more information.

This Natural Heritage Review Report is not a site clearance letter for the project. Rather, it identifies public lands and records of sensitive resources located close to and/or potentially affected by the proposed project. If project plans or location change, this report may no longer be valid. Because land use conditions change and animals move, the existence of an occurrence record does not mean the species/habitat is still present. Therefore, reports include information about records near but not necessarily on the project site. Lack of an occurrence record does not mean that a sensitive species or natural community is not present on or near the project area. On-site verification is the responsibility of the project. However, the Natural Heritage Program is only one reference that should be used to evaluate potential adverse project impacts and additional information (e.g. wetland or soils maps, on-site inspections or surveys) should be considered. Reviewing current landscape and habitat information, and species' biological characteristics would additionally ensure that Missouri Species of Conservation Concern are appropriately identified and addressed in planning efforts.

U.S. Fish and Wildlife Service – Endangered Species Act (ESA) Coordination: Lack of a Natural Heritage Program occurrence record for federally listed species in your project area does not mean the species is not present, as the area may never have been surveyed. Presence of a Natural Heritage Program occurrence record does not mean the project will result in negative impacts. This report does not fulfill Endangered Species Act consultation with the U.S. Fish and Wildlife Service (USFWS) for listed species. Direct contact with the USFWS may be necessary to complete consultation and it is required for actions with a federal connection, such as federal funding or a federal permit; direct contact is also required if ESA concurrence is necessary. Visit IPaC: Home (fws.gov) to initiate USFWS Information for Planning and Conservation (IPaC) consultation. Contact the Columbia Missouri Ecological Field Services Office (573-234-2132, or by mail at 101 Park Deville Drive, Suite A, Columbia, MO 65203) for more information.

Transportation Projects: If the project involves the use of Federal Highway Administration transportation funds, these recommendations may not fulfill all contract requirements. Please contact the Missouri Department of Transportation at 573-526-4778 or visit Home Page | Missouri Department of Transportation (modot.org) for additional information on recommendations.

Mullanphy Road Resurfacing



January 31, 2024

1:26,478

0 0.23 0.45 0.9 mi

0 0.35 0.7 1.4 km

Buffered Project Boundary

Project Boundary

Esri, NASA, NGA, USGS, FEMA, County of St. Louis, Missouri Dept. of Conservation, Missouri DNR, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Species or Communities of Conservation Concern within the Area:

There are records of species listed under the Federal Endangered Species Act, and possibly also records for species listed Endangered by the state, or Missouri Species and/or Natural Communities of Conservation Concern within or near the defined Project Area. Please contact the U.S. Fish and Wildlife Service and the Missouri Department of Conservation for further coordination.

Email (preferred): NaturalHeritageReview@mdc.mo.gov
MDC Natural Heritage Review
Science Branch
P.O. Box 180
Jefferson City, MO
65102-0180
Phone: 573-522-4115 ext. 3182

U.S. Fish and Wildlife Service
Ecological Service
101 Park Deville Drive
Suite A
Columbia, MO
65203-0007
Phone: 573-234-2132

Other Special Search Results:

No results have been identified for this project location.

Project Type Recommendations:
Transportation - Roads: New and Maintenance projects typically change the plants and animals that live on the right-of-way or in the vicinity. Minimize erosion and sedimentation/runoff to nearby streams and lakes by carefully adhering to any Clean Water Act permit conditions; and include design elements to manage stormwater so that present water discharge rates from the site to streams during heavy rain events are not increased. Revegetation of disturbed areas is recommended to minimize erosion, as is restoration with native plant species compatible with the local landscape and wildlife needs. Annuals like ryegrass may be combined with native perennials for quicker green-up. Avoid aggressive exotic perennials such as crown vetch and sericea lespedeza.
Maintenance of ground cover in utility corridors can have significant implications for sensitive resources. Native plant species typically require low maintenance over the long term, and provide more benefits to native wildlife. Use silt fences and/or vegetative filter strips to buffer streams and drainages, and monitor those after rain events and until a well-rooted ground cover is reestablished. Please see Best Management Practices for Construction and Development Projects Affecting Missouri Rivers and Streams (mo.gov).

Project Location and/or Species Recommendations:

Endangered Species Act Coordination - If this project has the potential to alter habitat (e.g. tree removal, projects in karst habitat) or cause direct mortality of bats, please coordinate directly with U.S. Fish and Wildlife Service (Ecological Services, 101 Park Deville Drive, Suite A, Columbia, Missouri 65203-0007; Phone 573-234-2132 Ext. 100 for Ecological Services) for further coordination under the Endangered Species Act. Indiana bats *(Myotis sodalis*, federal- and state-listed endangered) and **Northern long-eared bats** (*Myotis septentrionalis,* federal-listed threatened) may occur near the project area. Both of these species of bats hibernate during winter months in caves and mines. During the summer months, they roost and raise young under the bark of trees in wooded areas, often riparian forests and upland forests near perennial streams. During project activities, avoid degrading stream quality and where possible leave snags standing and preserve mature forest canopy. Do not enter caves known to harbor Indiana bats or Northern long-eared bats, especially from September to April.

Gray Bat: The submitted project location is within the range of the Gray Myotis (i.e., Gray Bat) in Missouri. Depending on habitat conditions of your project's location, Gray Myotis (*Myotis grisescens*, federal and state-listed endangered) could occur within the project area, as they forage over streams, rivers, lakes, and reservoirs. Avoid entry or disturbance of any cave inhabited by Gray Myotis and when possible retain forest vegetation along the stream and from the cave opening to the stream. Please see Best Management Practices for Construction and Development Projects Gray bat (mo.gov).

Karst: This county has known karst geologic features (e.g., caves, springs, and sinkholes, all characterized by subterranean water movement). Few karst features are recorded in Natural Heritage records, and ones not noted here may be encountered at the project site or affected by the project. Cave fauna (many of which are Species of Conservation Concern) are influenced by changes to water quality; please check your project site for any karst features and make every effort to protect groundwater in the project area. Additional information and specific recommendations are available at Management Recommendations for Construction and Development Projects Affecting Missouri Karst Habitat (mo.gov).

Invasive exotic species are a significant issue for fish, wildlife and agriculture in Missouri. Seeds, eggs, and larvae may be moved to new sites on boats or construction equipment. Please inspect and clean equipment thoroughly before moving between project sites. See Managing Invasive Species in Your Community | Missouri Department of Conservation (mo.gov) for more information.

- Remove any mud, soil, trash, plants or animals from equipment before leaving any water body or work area.
- Drain water from boats and machinery that have operated in water, checking motor cavities, live-well, bilge and transom wells, tracks, buckets, and any other water reservoirs.
- When possible, wash and rinse equipment thoroughly with hard spray or HOT water (>140° F, typically available at do-it-yourself car wash sites), and dry in the hot sun before using again.

Streams and Wetlands – Clean Water Act Permits: Streams and wetlands in the project area should be protected from activities that degrade habitat conditions. For example, soil erosion, water pollution, placement of fill, dredging, in-stream activities, and riparian corridor removal, can modify or diminish aquatic habitats. Streams and wetlands may be protected under the Clean Water Act and require a permit for any activities that result in fill or other modifications to the site. Conditions provided within the U.S. Army Corps of Engineers (USACE) Clean Water Act Section 404 permit (Kansas City District Regulatory Branch (army.mil)) and the Missouri Department of Natural Resources (DNR) issued Clean Water Act Section 401 Water Quality Certification (Section 401 Water Quality Certification | Missouri Department of Natural Resources (mo.gov)), if required, should help minimize impacts to the aquatic organisms and aquatic habitat within the area. Depending on your project type, additional permits may be required by the Missouri Department of Natural Resources, such as permits for stormwater, wastewater treatment facilities, and confined animal feeding operations. Visit Wastewater Permits | Missouri Department of Natural Resources (mo.gov) for more information on DNR permits. Visit both the USACE and DNR for more information on Clean Water Act permitting.

For further coordination with the Missouri Department of Conservation and the U.S. Fish and Wildlife Services, please see the contact information below:

Email (preferred): NaturalHeritageReview@mdc.mo.gov
MDC Natural Heritage Review
Science Branch
P.O. Box 180
Jefferson City, MO
65102-0180
Phone: 573-522-4115 ext. 3182

U.S. Fish and Wildlife Service
Ecological Service
101 Park Deville Drive
Suite A
Columbia, MO
65203-0007
Phone: 573-234-2132

Miscellaneous Information

FEDERAL Concerns are species/habitats protected under the Federal Endangered Species Act and that have been known near enough to the project site to warrant consideration. For these, project managers must contact the U.S. Fish and Wildlife Service Ecological Services (101 Park Deville Drive Suite A, Columbia, Missouri 65203-0007; Phone 573-234-2132; Fax 573-234-2181) for consultation.

STATE Concerns are species/habitats known to exist near enough to the project site to warrant concern and that are protected under the Wildlife Code of Missouri (RSMo 3 CSR 1 0). "State Endangered Status" is determined by the Missouri Conservation Commission under constitutional authority, with requirements expressed in the Missouri Wildlife Code, rule 3CSR 1 0-4.111. Species tracked by the Natural Heritage Program have a "State Rank" which is a numeric rank of relative rarity. Species tracked by this program and all native Missouri wildlife are protected under rule 3CSR 10-4.110 General Provisions of the Wildlife Code.

See Missouri Species and Communities of Conservation Concern Checklist (mo.gov) for a complete list of species and communities of conservation concern. Detailed information about the animals and some plants mentioned may be accessed at Mofwis Search Results. Please contact the Missouri Department of Conservation to request printed copies of any materials linked in this document.

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Missouri Ecological Services Field Office
101 Park Deville Drive
Suite A
Columbia, MO 65203-0057
Phone: (573) 234-2132 Fax: (573) 234-2181

In Reply Refer To: January 31, 2024
Project Code: 2024-0043014
Project Name: STP-4901650 - Mullanphy Road Resurfacing

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

Threatened and Endangered Species

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and may be affected by your proposed project. The species list fulfills the requirement for obtaining a Technical Assistance Letter from the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).
New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. **Note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days.** The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

Consultation Technical Assistance

Refer to the Midwest Region S7 Technical Assistance website for step-by-step instructions for making species determinations and for specific guidance on the following types of projects:

projects in developed areas, HUD, pipelines, buried utilities, telecommunications, and requests for a Conditional Letter of Map Revision (CLOMR) from FEMA.

Federally Listed Bat Species

Indiana bats, gray bats, and northern long-eared bats occur throughout Missouri and the information below may help in determining if your project may affect these species.

Gray bats - Gray bats roost in caves or mines year-round and use water features and forested riparian corridors for foraging and travel. If your project will impact caves, mines, associated riparian areas, or will involve tree removal around these features – particularly within stream corridors, riparian areas, or associated upland woodlots –gray bats could be affected.
Indiana and northern long-eared bats - These species hibernate in caves or mines only during the winter. In Missouri the hibernation season is considered to be November 1 to March 31. During the active season in Missouri (April 1 to October 31) they roost in forest and woodland habitats. Suitable summer habitat for Indiana bats and northern long-eared bats consists of a wide variety of forested/wooded habitats where they roost, forage, and travel and may also include some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields and pastures. This includes forests and woodlots containing potential roosts (i.e., live trees and/or snags ≥5 inches diameter at breast height (dbh) for Indiana bat, and ≥3 inches dbh for northern long-eared bat, that have exfoliating bark, cracks, crevices, and/or hollows), as well as linear features such as fencerows, riparian forests, and other wooded corridors. These wooded areas may be dense or loose aggregates of trees with variable amounts of canopy closure. Tree species often include, but are not limited to, shellbark or shagbark hickory, white oak, cottonwood, and maple. Individual trees may be considered suitable habitat when they exhibit the characteristics of a potential roost tree and are located within 1,000 feet (305 meters) of other forested/wooded habitat. Northern long-eared bats have also been observed roosting in human-made structures, such as buildings, barns, bridges, and bat houses; therefore, these structures should also be considered potential summer habitat and evaluated for use by bats. If your project will impact caves or mines or will involve clearing forest or woodland habitat containing suitable roosting habitat, Indiana bats or northern long-eared bats could be affected.
Examples of unsuitable habitat include:

- Individual trees that are greater than 1,000 feet from forested or wooded areas;
- Trees found in highly-developed urban areas (e.g., street trees, downtown areas);
- A pure stand of less than 3-inch dbh trees that are not mixed with larger trees; and
- A stand of eastern red cedar shrubby vegetation with no potential roost trees.

Using the IPaC Official Species List to Make No Effect and May Affect Determinations for Listed Species

1. If IPaC returns a result of “There are no listed species found within the vicinity of the project,” then project proponents can conclude the proposed activities will have **no effect** on any federally listed species under Service jurisdiction. Concurrence from the Service is not required for **No Effect** determinations. No further consultation or coordination is required. Attach this letter to the dated IPaC species list report for your records. An example "No Effect" document also can be found on the S7 Technical Assistance website.

2. If IPaC returns one or more federally listed, proposed, or candidate species as potentially present in the action area of the proposed project – other than bats (see #3 below) – then project proponents can conclude the proposed activities **may affect** those species. For assistance in determining if suitable habitat for listed, candidate, or proposed species occurs within your project area or if species may be affected by project activities, you can obtain Life History Information for Listed and Candidate Species through the Species website.
3. If IPac returns a result that one or more federally listed bat species (Indiana bat, northern long-eared bat, or gray bat) are potentially present in the action area of the proposed project, project proponents can conclude the proposed activities **may affect** these bat species **IF** one or more of the following activities are proposed:
    a. Clearing or disturbing suitable roosting habitat, as defined above, at any time of year;
    b. Any activity in or near the entrance to a cave or mine;
    c. Mining, deep excavation, or underground work within 0.25 miles of a cave or mine;
    d. Construction of one or more wind turbines; or
    e. Demolition or reconstruction of human-made structures that are known to be used by bats based on observations of roosting bats, bats emerging at dusk, or guano deposits or stains.

If none of the above activities are proposed, project proponents can conclude the proposed activities will have **no effect** on listed bat species. Concurrence from the Service is not required for **No Effect** determinations. No further consultation or coordination is required. Attach this letter to the dated IPaC species list report for your records. An example "No Effect" document also can be found on the S7 Technical Assistance website.
If any of the above activities are proposed in areas where one or more bat species may be present, project proponents can conclude the proposed activities **may affect** one or more bat species. We recommend coordinating with the Service as early as possible during project planning. If your project will involve removal of over 5 acres of suitable forest or woodland habitat, we recommend you complete a Summer Habitat Assessment prior to contacting our office to expedite the consultation process. The Summer Habitat Assessment Form is available in Appendix A of the most recent version of the Range-wide Indiana Bat Summer Survey Guidelines.

Other Trust Resources and Activities

Bald and Golden Eagles - Although the bald eagle has been removed from the endangered species list, this species and the golden eagle are protected by the Bald and Golden Eagle Act and the Migratory Bird Treaty Act. Should bald or golden eagles occur within or near the project area please contact our office for further coordination. For communication and wind energy projects, please refer to additional guidelines below.

Migratory Birds - The Migratory Bird Treaty Act (MBTA) prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when specifically authorized by the Service. The Service has the responsibility under the MBTA

to proactively prevent the mortality of migratory birds whenever possible and we encourage implementation of recommendations that minimize potential impacts to migratory birds. Such measures include clearing forested habitat outside the nesting season (generally March 1 to August 31) or conducting nest surveys prior to clearing to avoid injury to eggs or nestlings.

Communication Towers - Construction of new communications towers (including radio, television, cellular, and microwave) creates a potentially significant impact on migratory birds, especially some 350 species of night-migrating birds. However, the Service has developed voluntary guidelines for minimizing impacts.

Transmission Lines - Migratory birds, especially large species with long wingspans, heavy bodies, and poor maneuverability can also collide with power lines. In addition, mortality can occur when birds, particularly hawks, eagles, kites, falcons, and owls, attempt to perch on uninsulated or unguarded power poles. To minimize these risks, please refer to guidelines developed by the Avian Power Line Interaction Committee and the Service. Implementation of these measures is especially important along sections of lines adjacent to wetlands or other areas that support large numbers of raptors and migratory birds.

Wind Energy - To minimize impacts to migratory birds and bats, wind energy projects should follow the Service's Wind Energy Guidelines. In addition, please refer to the Service's Eagle Conservation Plan Guidance, which provides guidance for conserving bald and golden eagles in the course of siting, constructing, and operating wind energy facilities.

Next Steps

Should you determine that project activities **may affect** any federally listed species or trust resources described herein, please contact our office for further coordination. Letters with requests for consultation or correspondence about your project should include the Consultation Tracking Number in the header. Electronic submission is preferred.

If you have not already done so, please contact the Missouri Department of Conservation (Policy Coordination, P. O. Box 180, Jefferson City, MO 65102) for information concerning Missouri Natural Communities and Species of Conservation Concern.
We appreciate your concern for threatened and endangered species. Please feel free to contact our office with questions or for additional information.

John Weber

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether

any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Missouri Ecological Services Field Office
101 Park Deville Drive
Suite A
Columbia, MO 65203-0057
(573) 234-2132

PROJECT SUMMARY

Project Code: 2024-0043014
Project Name: STP-4901650 - Mullanphy Road Resurfacing
Project Type: Road/Hwy - Maintenance/Modification
Project Description: Mullanphy Road is a two lane roadway with parking on one side through residential areas. The subject project extends from Shackelford Road to Patterson Road. Sidewalks exist only on the north side of the road for the majority of the project length. A sidewalk exists south side also between Loveland Drive and Shackelford Road. The sidewalk on the south side will be extended from Loveland Drive to Patterson Road to provide a sidewalk connection to the parks and trail adjacent to the intersection of Mullanphy Road and Patterson Road.

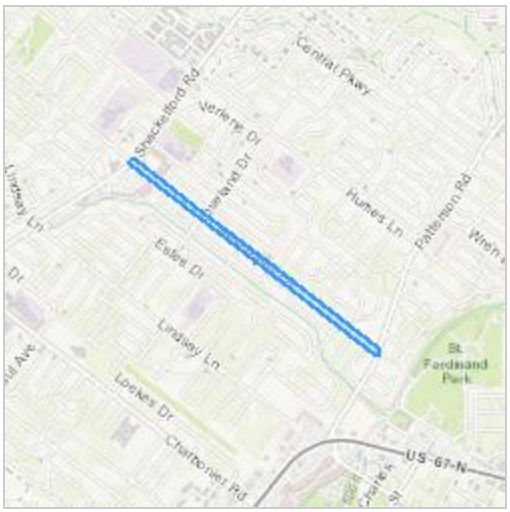
Mullanphy Road is a transit route with bus stops along the roadway on both sides. The Sunset Greenway, which runs adjacent to Humes Lane, parallels Mullanphy a few blocks to the north and performs as the primary bicycle route for east-west bicycle travel in the area.

Recent Missouri American Water project open cut Mullanphy for the full length of the project adjacent to the north curb line. Excavated pavement areas have been recently restored. Settlement of trenched and restored areas may occur over time making the need for resurfacing even more necessary by the time construction begins on the project.

The scope of the improvements includes resurfacing the roadway, replacement of damaged or deteriorated curb and sidewalk, construction of accessible curb ramps, and new sidewalk to improve pedestrian safety and mobility.

Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@38.810001549999996,-90.33997536441575,14z



Counties: St. Louis County, Missouri

ENDANGERED SPECIES ACT SPECIES

There is a total of 6 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Gray Bat *Myotis grisescens* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6329	Endangered
Indiana Bat *Myotis sodalis* There is **final** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5949 General project design guidelines: https://ipac.ecosphere.fws.gov/project/YZHAUL3TVREOTG2RRPFAAZS3UQ/documents/generated/6868.pdf	Endangered
Northern Long-eared Bat *Myotis septentrionalis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045 General project design guidelines: https://ipac.ecosphere.fws.gov/project/YZHAUL3TVREOTG2RRPFAAZS3UQ/documents/generated/6868.pdf	Endangered
Tricolored Bat *Perimyotis subflavus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

INSECTS

NAME	STATUS
Monarch Butterfly *Danaus plexippus*	Candidate

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/9743

FLOWERING PLANTS

NAME	STATUS
Decurrent False Aster *Boltonia decurrens*	Threatened

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/7705

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Andrea Davis
Address: 520 Maryville Centre Drive, Suite 100
City: Saint Louis
State: MO
Zip: 63141
Email andrea.davis@hrgreen.com
Phone: 6368124203

Davis, Andrea

From: Natural Heritage Review <NaturalHeritageReview@mdc.mo.gov>
Sent: Friday, February 23, 2024 2:24 PM
To: Davis, Andrea; Natural Heritage Review
Subject: RE: Level 3 Report Follow Up - #13976 Mullanphy Road Resurfacing

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Hello,

At this time, we have no additional recommendations regarding your Mullanphy Road Resurfacing project. Please refer to your automated report for ways to minimize impacts to Missouri's sensitive natural resources. Please let me know if you have any questions.

Thank you for using the Natural Heritage Review Program,

Shelly Colatskie
Environmental Review Coordinator
Missouri Department of Conservation
St. Louis Regional Office
573-522-4115 ext. 3182
Shelly.Colatskie@mdc.mo.gov

From: Davis, Andrea <andrea.davis@hrgreen.com>
Sent: Wednesday, January 31, 2024 8:12 AM
To: Natural Heritage Review <NaturalHeritageReview@mdc.mo.gov>
Subject: Level 3 Report Follow Up - #13976 Mullanphy Road Resurfacing

Hello,

I am contacting the Missouri Department of Conservation to request a follow-up report for the Mullanphy Road Resurfacing Project, reference ID #13976. The Natural Heritage Review Report for the project is attached.

Please let me know if you require any additional information. Thank you!

Andi Davis, PE
Project Engineer - Transportation
HR Green® | Building Communities. Improving Lives.

HRGreen.
CELEBRATING 110 YEARS

520 Maryville Centre Drive | Suite 100 | St. Louis, MO 63141
Main 636.519.0990 | **Fax** 713.965.0044 | **Direct** 636.812.4203 | **Cell** 314.780.1119

HRGREEN.COM

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Davis, Andrea

From: Mark Sowers <Mark.Sowers@modot.mo.gov>
Sent: Thursday, April 16, 2026 3:46 PM
To: Davis, Andrea
Subject: RE: STP-4901650 - Tree Clearing Restriction

Categories: Filed by Newforma

This email came from outside the HR Green organization. Please use caution when clicking on hyperlinks and opening attachments

Hi Andi,

I checked and confirmed that the project is within the No Effect zone and no tree clearing restrictions are required for the project. Let me know if you need any documentation from me aside from this email. I will attach it and a brief update to the RER.

Thanks!

Mark Sowers
Environmental Contractor
913.485.7822
MoDOT-Design
601 West Main Street, PO Box 270
Jefferson City, MO

From: Davis, Andrea <andrea.davis@hrgreen.com>
Sent: Thursday, April 16, 2026 11:04 AM
To: Mark Sowers <Mark.Sowers@modot.mo.gov>
Subject: STP-4901650 - Tree Clearing Restriction

Hi Mark,

I am reaching out regarding the tree clearing restriction on STP-4901(650) – Mullanphy Road located in Florissant, MO. We currently have one tree designated to be removed. In the RER, it is listed that the tree is likely to have No Effect on bat habitat, but we did still agree to tree clearing restrictions. With the updated St. Louis area “no effect zone,” I am wondering if the tree clearing restriction is still required for this project. We are likely going to begin construction in late Summer now.

Thanks!

Andi Davis, PE
Project Manager - Transportation
HR Green® | Building Communities. Improving Lives.

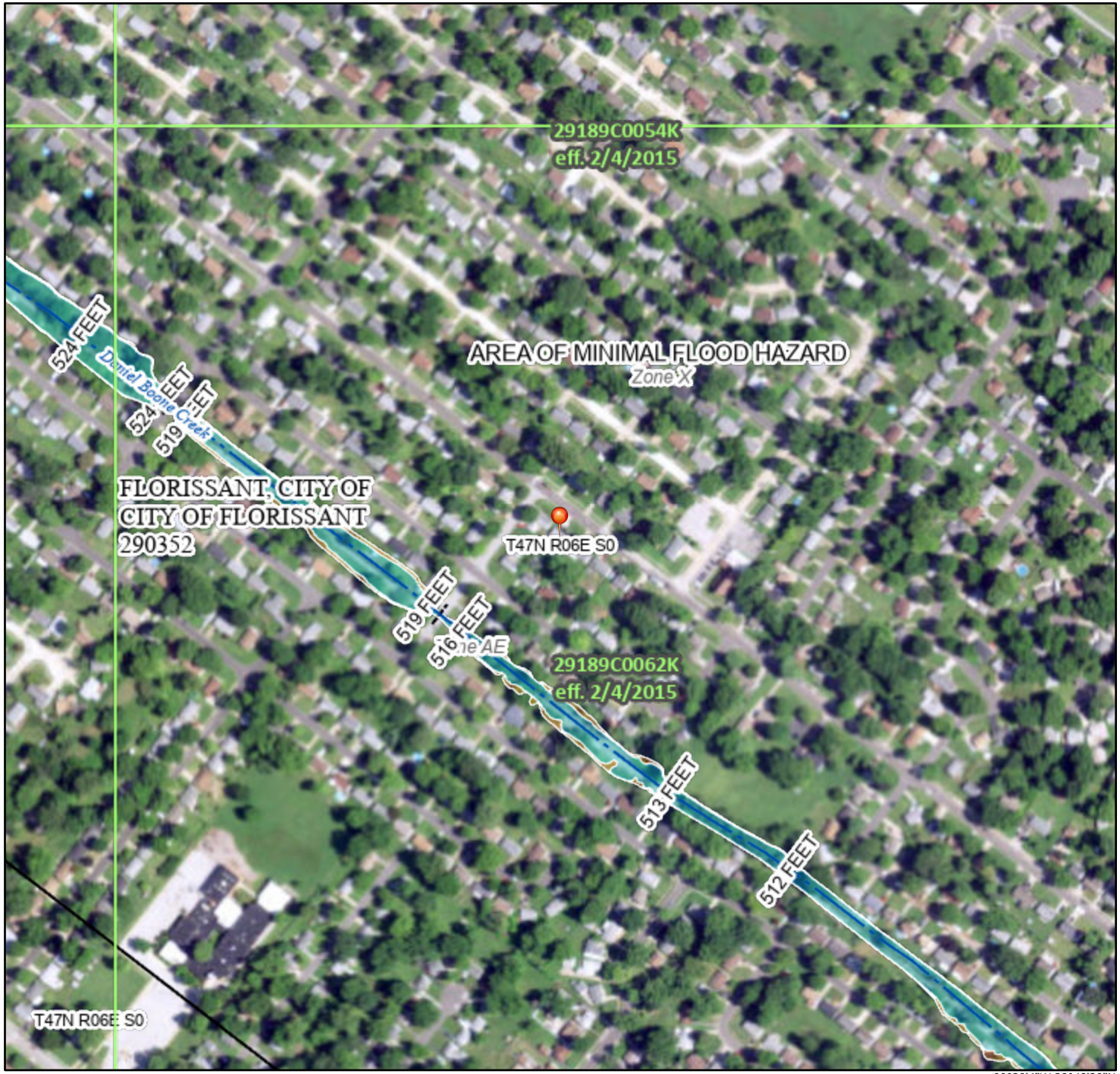
520 Maryville Centre Drive | Suite 100 | St. Louis, MO 63141
Main 636.519.0990 | **Fax** 713.965.0044 | **Direct** 636.812.4203 | **Cell** 314.780.1119
HRGREEN.COM

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National Flood Hazard Layer FIRMette

FEMA

90°20'41"W 38°48'48"N



90°20'4"W 38°48'20"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN — Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 — Cross Sections with 1% Annual Chance
- 17.5 — Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/30/2024 at 6:18 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

U.S. Fish and Wildlife Service

National Wetlands Inventory

NWI 4901650



January 31, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

APPROVAL DATE: 04/24/2026
MSD Reference No.: 24MSD-00286

HR Green, Inc.
Andi Davis
520 Maryville Centre Drive, Suite 100
St. Louis, MO 63141

PROJECT NAME: Mullanphy Road Resurfacing

Site Address:

Plans for the above referenced project have been approved. Please log into https://aca-prod.accela.com/STLMSD/Default.aspx to view / download approved plans.

Permits are not ready for pickup upon receipt of this letter. Please have the licensed and bonded drainlayer call to ensure permits have been generated and are ready for pickup before obtaining online or in person.

Permits will be required as follows:

1 Build Structure Permit(s)

23 Modify Structure Permit(s)

Prior to the issuance of the required permit(s) the following deposits must be paid and documents executed by the Project Developer:

As-Built Deposit in the amount of $0.00.
Construction Deposit in the amount of $0.00, and Construction Deposit Agreement.
Lift Station Deposit in the amount of $0.00.
BMP Deposit in the amount of $0.00, and BMP Construction Deposit Agreement.
Conditional Deposit in the amount of $0.00.

Please refer to Chapter 8 of the District's "Rules and Regulation and Engineering Design Requirements for Sanitary Sewage and Stormwater Drainage Facilities" for an explanation of these requirements. Questions regarding the deposits or agreement should be directed to Construction Management at 314-335-2072.

Construction Permitting General Information

1. Please log into https://aca-prod.accela.com/STLMSD/Default.aspx to view / download / obtain permits (if any).
2. Permits will only be issued to and paid for by a licensed and bonded drainlayers for all work related to sewer construction.
3. The Construction permit fee is $195.00 and must be paid at the time of the issuance of permits. The Construction Inspection fee is $5.80 per lineal foot of sanitary/combined sewer and $4.20 per lineal foot of storm sewer.
4. The House Connection Permit and Misc. MSD Inspection fees are $75.00 for each connection or point of inspection.
5. All fees must be paid prior to issuance of the permits. Please refer to Chapter 10 of the District's "Rules and Regulations and Engineering Design Requirements for Sanitary Sewage and Stormwater Drainage Facilities" for additional information regarding the Construction Permits.
6. Questions regarding Permits should be directed to the Permit Section at 314-768-6272.
7. The approved plans will remain active for one year. If permits have not been applied for within the year a new set of plans will have to be submitted for approval.

NOTE:

1. THIS APPROVAL IS SUBJECT TO STATE HIGHWAY REGULATIONS AND U.S. ARMY CORPS OF ENGINEERS REQUIREMENTS WHERE APPLICABLE.
2. If MSD Permits are required, no occupancy permits are to be issued until MSD grants construction approval on this work.

John C. Grimm, P.E.
Program Manager - Development Review

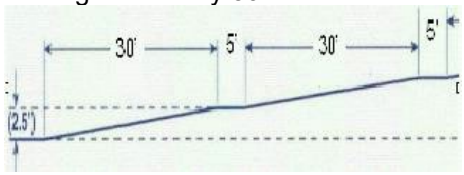
CC: MSD Environmental Compliance

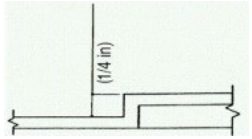
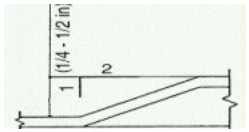
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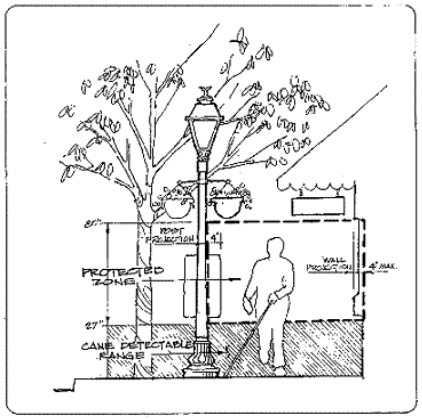
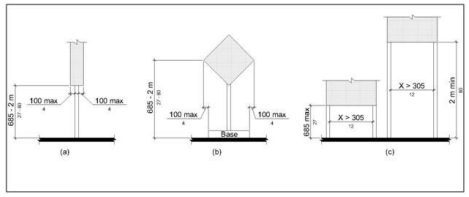
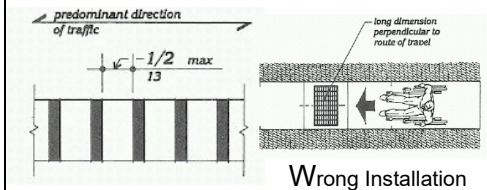
Revised July 8, 2024

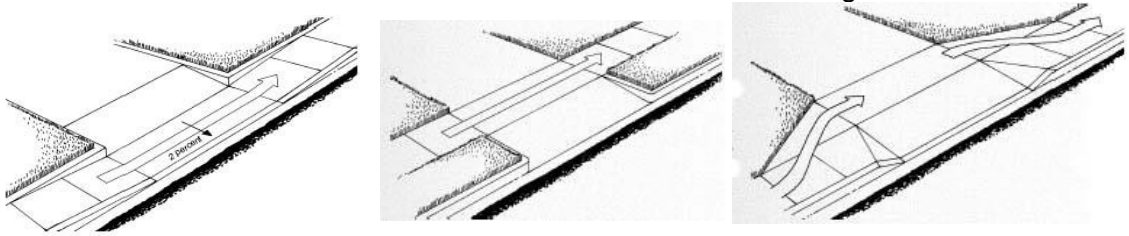
Job No._____ **Route**_____ **County**_____ **Location** _____

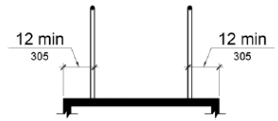
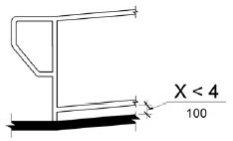
Pedestrian Access Route (PROWAG R204)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
Sidewalk Width 	• The minimum continuous and unobstructed clear width of a pedestrian access route shall be 4.0 feet, exclusive of the width of the curb. • The continuous clear width of pedestrian access routes for medians and pedestrian refuge islands must be 5 feet minimum in order to allow for passing space. • MoDOT Sidewalks shall be 5 feet wide minimum. [2] • MoDOT Sidewalks located within 2 feet of the back of curb are to be constructed 6 feet wide minimum and constructed adjacent to the back of the curb. [2] • Exception: an unaltered, existing sidewalk shall be 3 feet wide minimum and shall provide 5 foot x 5 foot passing spaces at intervals of 200 feet maximum. [2] • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. Where commercial driveways are provided with traffic control devices or otherwise are permitted to operate like public streets, detectable warnings should be provided at the junction between the pedestrian route and the street. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush.			
Passing Spaces	• Walkways in pedestrian access routes that are less than 5 feet in clear width shall provide passing spaces at intervals of 200 feet maximum. • Pedestrian access routes at passing spaces shall be 5 feet wide for a distance of 5 feet.			
Sidewalk Running Slope The grade that is parallel to the direction of travel, expressed as a ratio of rise to run or as a percent.	• The running slope of a pedestrian access route shall be 5 percent maximum. **<u>Roadway Grade Exception</u>**: Where pedestrian access routes are contained within a street or highway right-of-way, the grade of the pedestrian access route is permitted to equal the general grade established for the adjacent street or highway. • Running Slopes shall be measured using a calibrated 2 foot long digital level.			

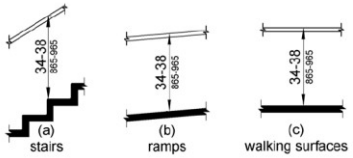
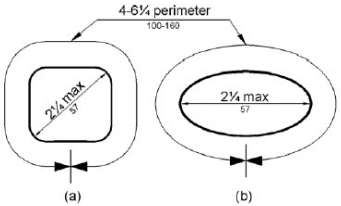
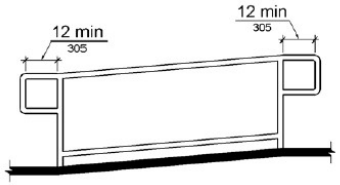
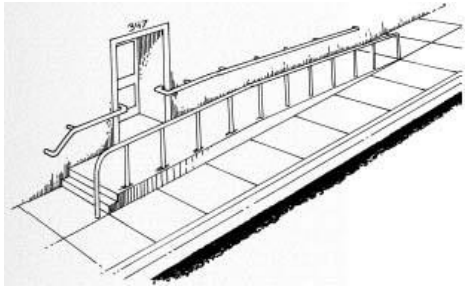
Figures/Examples	Requirements [1]	YES	NO	NA
Sidewalk Cross Slope The grade that is perpendicular to the direction of accessible pedestrian travel, measured perpendicular to the curb line or edge of the street or highway, or measured perpendicular to the running grade.	• The cross slope of the walkway of a pedestrian access route shall be 2 percent maximum. (Roadway Grade Exception may be considered) • 2010 ADA/ABA allows for cross slopes of up to ¼ inch per foot (2.08 percent). • In either case, a cross slope measurement of 2.1 percent or greater is not ADA compliant. • Cross Slopes shall be measured using a calibrated 2 foot long digital level.			
Sidewalk Ramps For example, a sidewalk ramp segment with the maximum allowed running slope of 8.33% would require a landing after every 30' of run.  	• A sidewalk segment (not contained within a street or highway border) with a running grade in excess of 5 percent but less than 8.33 percent is by definition a sidewalk ramp. • Sidewalk Ramps shall have landings at the top and the bottom of each ramp run. - The landing clear width shall be at least as wide as the widest ramp run leading to the landing. - The landing clear length shall be 5.0 feet long minimum. - Sidewalk Ramps that change direction between runs at landings shall have a clear landing 5.0 feet minimum by 5.0 feet minimum. - Landing slopes shall be 2 percent maximum. - Changes in level at grade breaks shall be flush. • Cross slope of ramp runs shall be 2 percent maximum. • The rise for any ramp run shall be 30 inches maximum. • Sidewalk Ramp runs with a rise greater than 6 inches shall have handrails. • Handrails shall be provided on both sides of stairs and sidewalk ramps. • Edge protection shall be provided on each side of sidewalk ramp runs. • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. • Gratings, access covers, and other appurtenances shall not be located on ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush.			

Figures/Examples	Requirements [1]	YES	NO	NA
Vertical Alignment	• Vertical alignment shall be planar within curb ramp runs, blended transitions, landings, and gutter areas within the pedestrian access route, and within clear spaces required for accessible pedestrian signals, street furniture, and operable parts. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. • Grade breaks shall be flush. • Running Slopes and Cross Slopes shall be measured using a calibrated 2 foot long digital level. • Where the pedestrian access route crosses rail tracks at grade, the surface of the pedestrian access route shall be level and flush with the top of the rail at the outer edges of the rail. The surface between the rails shall be aligned with the top of the rail.			
Changes in Level   	• Changes in level at grade breaks shall be flush. • Changes in level of ¼ inch high maximum shall be permitted to be vertical. • Changes in level between ¼ inch high maximum and ½ inch high maximum shall be beveled with a slope not steeper than 1v:2h. • The bevel shall be applied across the entire level change. • Changes in level greater than ½ inch high shall be ramp grade or flatter, a slope of 8.33 percent or less.			

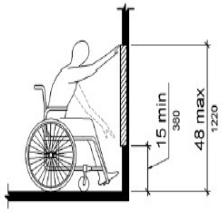
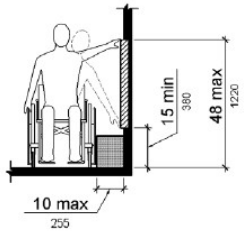
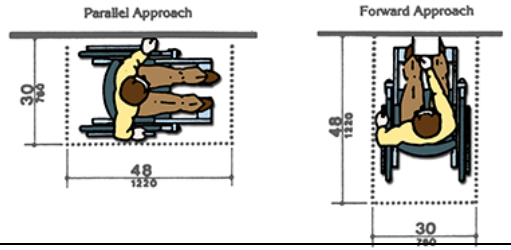
Figures/Examples	Requirements [1]	YES	NO	NA
 	• Protruding objects on sidewalks and other pedestrian circulation paths shall not reduce the clear width required for pedestrian accessible routes. • Objects with leading edges more than 27 inches and not more than 80 inches above the finish floor or ground shall protrude 4 inches maximum horizontally into the circulation path. • Free-standing objects mounted on posts or pylons shall overhang circulation paths 4 inches maximum measured horizontally from the post or pylon base when located 27 inches minimum and 80 inches maximum above the finish floor or ground. The base dimension shall be 2.5 inches thick minimum. (2011 PROWAG R402.3) • Where a sign or other obstruction is mounted between posts or pylons and the clear distance between the posts or pylons is greater than 12 inches, the lowest edge of such sign or obstruction shall be 27 inches maximum or 80 inches minimum above the finish floor or ground. • Vertical clearance shall be 80 inches high minimum. Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches high. The leading edge of such guardrail or barrier shall be located 27 inches maximum above the finish floor or ground. • Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches high. The leading edge of such guardrail or barrier shall be located 27 inches maximum above the finish surface or ground.			
   Wrong Installation	• Openings in floor and ground surfaces shall not allow passage of a sphere more than ½ inch diameter. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Lift holes for manhole/utility covers shall not have an opening greater than ½ inch. Plugging of holes greater than ½ inch with a material approved by the engineer is acceptable as long as it complies with the changes in level requirements.			

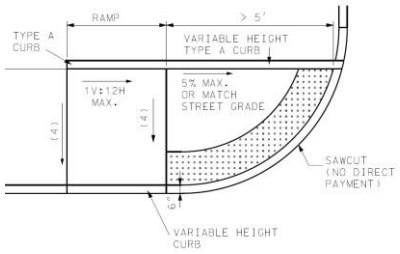
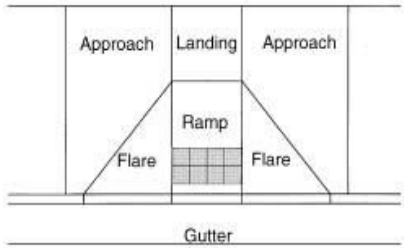
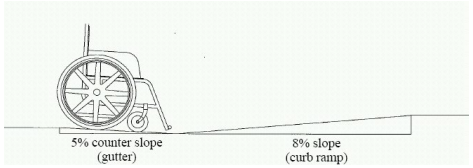
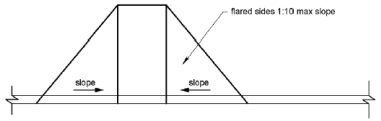
ENTRANCES (PROWAG R301)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
	• The minimum continuous and unobstructed clear width of a pedestrian access route provided across commercial and residential entrances shall be 4 feet minimum. • Cross slope shall be 2 percent maximum. • Be cautious with the transition from the driveway to the roadway to avoid grade combinations that will cause vehicles to bottom out when driving over the transition. [2] 			

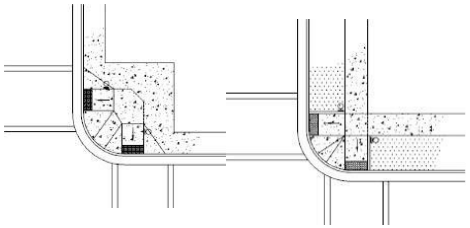
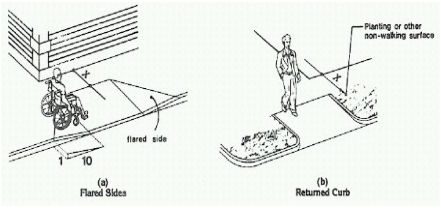
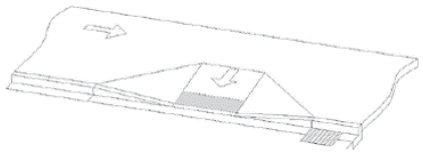
EDGE PROTECTION (PROWAG R406.8)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
 	• Edge protection shall be provided on each side of ramp runs and at each side of ramp landings. • A curb or barrier shall be provided that prevents the passage of a 4 inch diameter sphere, where any portion of the sphere is within 4 inches of the finish floor or ground surface. • Edge-protection shall not be required when the floor or ground surface of the ramp run or landing extends 12 inches minimum beyond the inside face of a handrail. • Edge protection shall not be required on curb ramps and their landings. • Edge protection shall not be required on ramps that are not required to have handrails and have flares not steeper than 1:10. • Edge protection shall not be required on the sides of ramp landings having a vertical drop-off of ½ inch maximum within 10 inches horizontally of the minimum landing area.			

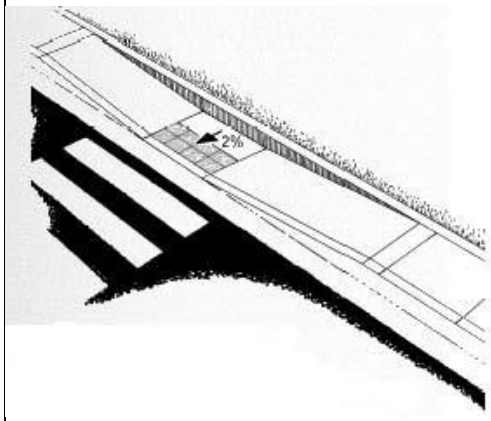
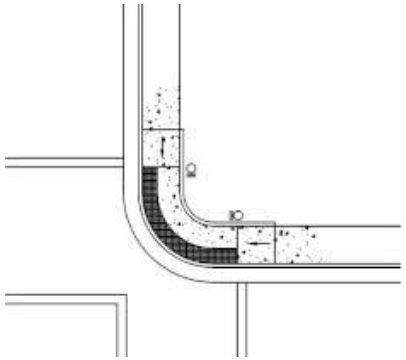
HANDRAIL AND PEDESTRIAN GUARDRAIL (PROWAG R408)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
   	• The clear width of walking surfaces shall be 4.0 feet minimum. • Handrails are required on ramp runs with a rise greater than 6 inches and on certain stairways. Handrails are not required on walking surfaces with running slopes less than 1:20. Where required, handrails shall be provided on both sides of stairs and ramps. • Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs. • Top of gripping surfaces of handrails shall be 34 inches minimum and 38 inches maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces. • Clearance between handrail gripping surfaces and adjacent surfaces shall be 1 1/2 inches minimum. • Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1 1/4 inches minimum and 2 inches maximum. • Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4 inches minimum and 6 1/4 inches maximum, and a cross-section dimension of 2 1/4 inches maximum. • Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges. • Handrails shall not rotate within their fittings. • Ramp handrails shall extend horizontally above the landing for 12 inches minimum beyond the top and bottom of ramp runs. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent ramp run. • At the top of a stair flight, handrails shall extend horizontally above the landing for 12 inches minimum beginning directly above the first riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight. • At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extension shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight. • See Edge Protection section above (also PROWAG 406.8) for additional details.			

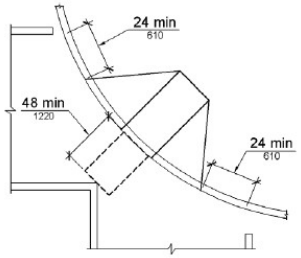
STAIRWAYS (PROWAG R407)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
	• All steps on a flight of stairs shall have uniform riser heights and uniform tread depths. Risers shall be 4 inches high minimum and 7 inches high maximum. Treads shall be 11 inches deep minimum. • Open risers are not permitted. • The radius of curvature at the leading edge of the tread shall be 1/2 inch maximum. Nosings that project beyond risers shall have the underside of the leading edge curved or beveled. Risers shall be permitted to slope under the tread at an angle of 30 degrees maximum from vertical. The permitted projection of the nosing shall extend 1 1/2 inches maximum over the tread below. • Stairs shall have handrails complying with PROWAG 2005 R408.			

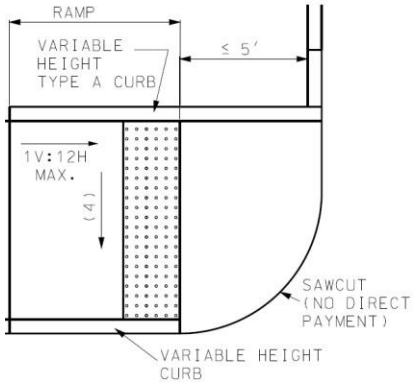
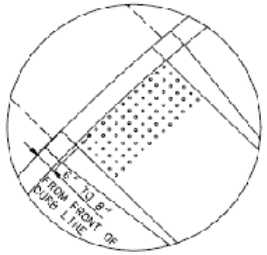
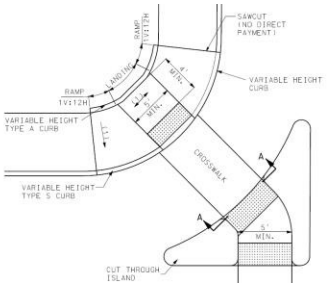
UNOBSTRUCTED REACH RANGES (PROWAG R406)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
 	Forward Reach • Where a forward reach is unobstructed, the high forward reach shall be 48 inches maximum and the low forward reach shall be 15 inches minimum above the finish floor or ground. Side Reach • Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches maximum and the low side reach shall be 15 inches minimum above the finish floor or ground. • EXCEPTION: An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10 inches maximum. (2011 PROWAG R406.3) 			

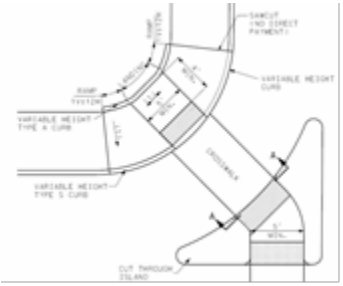
CURB RAMPS (PROWAG R304)				
Figures/Examples	**Requirements** [1]	**YES**	**NO**	**NA**
A curb ramp, blended transition, or a combination of curb ramps and blended transitions shall connect the pedestrian access routes at each pedestrian street crossing.     **15 Foot Rule:** For a compliant curb ramp to exceed 8.33 percent running grade, its constructed length must exceed 15.0 feet.	• The clear width of curb ramps, excluding the flares, shall be 4.0 feet minimum. • Curb Ramp runs shall have a running slope between 5 percent minimum and 8.33 percent maximum but shall not require the curb ramp length to exceed 15.0 feet. **Exception: 15 Foot Rule:** The running slope for a curb ramp is not limited to 8.33 percent maximum if the constructed curb ramp length exceeds 15 feet in length. • Cross slope of ramp runs shall be 2 percent maximum. (Roadway Grade Exception may be considered) • The cross slope at midblock crossings shall be permitted to be warped to meet street or highway grade. • Handrails and Edge protection shall not be required on curb ramps and their landings. • Curb height = 0 inches within curb ramp spaces. • Curb ramps must be flush with street. • The counter slope of the gutter or street at the foot of a curb ramp, landing, or blended transition shall be 5 percent maximum. (R303.3.5) • The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level. • Flared sides with a slope of 10 percent maximum, measured parallel to the curb line, shall be provided where a pedestrian circulation path crosses the curb ramp. - In alterations, where there is no landing at the top of curb ramps, curb ramp flares shall be provided and shall not be steeper than 1:12. • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush. • Grade Breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run.			

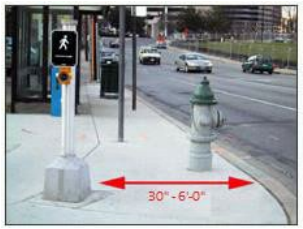
Figures/Examples	Requirements [1]	YES	NO	NA
 Perpendicular Ramps  X = 4'Min. Flared Sides in Pathway Flared Sides Not in Pathway **Roadway Grade Exception:** Where curb ramps, landings and blended transitions are contained within a street or highway right-of-way, the grade of the pedestrian access route is permitted to be modified to equal the general grade established for the adjacent street or highway. 	• **Perpendicular curb ramps** shall have a running slope that cuts through or is built up to the curb at right angles or meets the gutter grade break at right angles. • The clear width of landings, blended transitions, and curb ramps, excluding flares, shall be 4.0 feet minimum. • The running slope shall be 5 percent minimum and 8.33 percent maximum but shall not require the ramp length to exceed 15.0 feet. • The cross slope at intersections shall be 2 percent maximum. (Roadway Grade Exception may be considered) • The cross slope at midblock crossings shall be permitted to be warped to meet street or highway grade. **Roadway Grade Exception**: The grade of pedestrian access routes within sidewalks is permitted to equal the general grade established for the adjacent street or highway. The cross slope of curb ramps, blended transitions, landings, and turning spaces at pedestrian street crossings without yield or stop control where vehicles can proceed through the intersection without slowing or stopping, and at midblock pedestrian street crossings are permitted to equal the street or highway grade. • A landing 4.0 feet minimum by 4.0 feet minimum shall be provided at the top of the curb ramp and shall be permitted to overlap other landings and clear space. • Flared sides with a slope of 10 percent maximum, measured parallel to the curb line, shall be provided where a pedestrian circulation path crosses the curb ramp. • If the flared sides are not in the pathway (grass next to ramp), then there is no maximum slope and can be vertical curbs. (See adjacent figure for further explanation.) • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks at the top and bottom of perpendicular curb ramps shall be perpendicular to the direction of ramp run. At least one end of the bottom grade break shall be at the back of curb. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush. • Where both ends of the bottom grade break are 5.0 feet or less from the back of curb, the detectable warning shall be located on the ramp surface at the bottom grade break. Where either end of the bottom grade break is more than 5.0 feet from the back of curb, the detectable warning shall be located on the lower landing.			

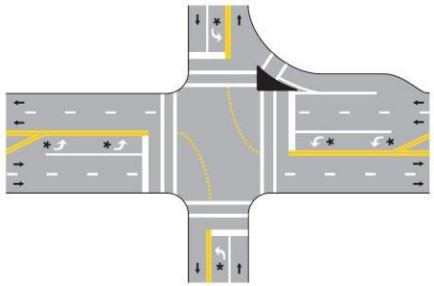
Figures/Examples	Requirements [1]	YES	NO	NA
 Curb Ramps and landings that are contained within a street or highway border may use the Roadway Grade Exception for slopes or cross slopes in the direction of the roadway travel being matched.	• **Parallel curb ramps** shall have a running slope that is in-line with the direction of sidewalk travel. • The clear width of landings, blended transitions, and curb ramps, excluding flares, shall be 4.0 feet minimum. • The running slope shall be 5 percent minimum and 8.33 percent maximum but shall not require the ramp length to exceed 15.0 feet. • The cross slope shall be 2 percent maximum. (Roadway Grade Exception may be considered) **Roadway Grade Exception**: The grade of pedestrian access routes within sidewalks is permitted to equal the general grade established for the adjacent street or highway. The cross slope of curb ramps, blended transitions, landings, and turning spaces at pedestrian street crossings without yield or stop control where vehicles can proceed through the intersection without slowing or stopping, and at midblock pedestrian street crossings are permitted to equal the street or highway grade. • A landing 4.0 feet minimum by 4.0 feet minimum shall be provided at the bottom of the ramp run and shall be permitted to overlap other landings and clear floor or ground space. • Where a parallel curb ramp does not occupy the entire width of a sidewalk, drop-offs at diverging segments shall be protected. • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush.			
	• **Blended Transitions** shall have a running slope of 5 percent maximum and cross slope shall be 2 percent maximum. • The clear width blended transitions, excluding flares, shall be 4.0 feet minimum. • Detectable warning surfaces shall be provided where a blended transition connects to a street. • Gratings, access covers, and other appurtenances shall not be located on blended transitions within the pedestrian access route. • Grade breaks at the top and bottom of perpendicular curb ramps shall be perpendicular to the direction of ramp run. At least one end of the bottom grade break shall be at the back of curb. Grade breaks shall not be permitted on the surface of blended transitions and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush.			

Figures/Examples	Requirements [1]	YES	NO	NA
 	• **Diagonal Curb Ramps or corner type curb ramps are no longer preferred design types. A design that provides individual ramps for each crossing direction is recommended by the US Access Board.** • Diagonal Curb Ramps or corner type curb ramps with returned curbs or other well-defined edges shall have the edges parallel to the direction of pedestrian flow. • The bottom of diagonal curb ramps shall have a clear space 48 inches minimum outside active traffic lanes of the roadway. • Diagonal curb ramps provided at marked crossings shall provide the 48 inches minimum clear space within the markings. • Diagonal curb ramps with flared sides shall have a segment of curb 24 inches long minimum located on each side of the curb ramp and within the marked crossing. **Roadway Grade Exception**: The grade of pedestrian access routes within sidewalks is permitted to equal the general grade established for the adjacent street or highway. The cross slope of curb ramps, blended transitions, landings, and turning spaces at pedestrian street crossings without yield or stop control where vehicles can proceed through the intersection without slowing or stopping, and at midblock pedestrian street crossings are permitted to equal the street or highway grade. • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush. • Running and cross slope at midblock crossings shall be permitted to be warped to meet street or highway grade.			

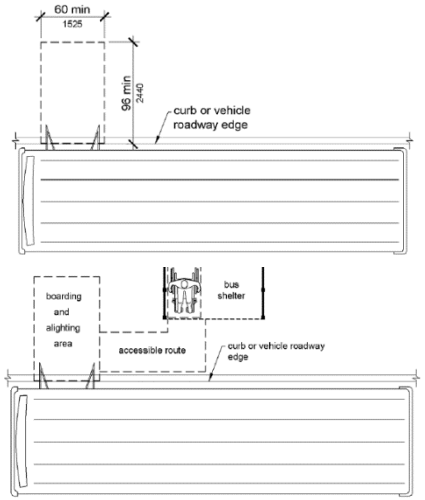
DETECTABLE WARNINGS DEVICES (TRUNCATED DOMES) (PROWAG R304)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
A surface feature of truncated dome material built in or applied to the walking surface to advise of an upcoming change from pedestrian to vehicular way.    	• Detectable warnings shall consist of a surface of truncated domes aligned in a square or radial grid pattern complying with 2010 ADA Standards. Detectable warning surfaces shall contrast visually with adjacent gutter, street or highway, or walkway surfaces, either light-on-dark or dark-on-light. • Detectable warning surfaces shall extend 24 inches minimum in the direction of travel and the full width of the curb ramp (exclusive of flares), the landing, or the blended transition. Detectable warning surfaces are required where curb ramps, blended transitions, or landings provide a flush pedestrian connection to the street. • Sidewalk crossings of residential driveways should not generally be provided with detectable warnings, since the pedestrian right-of-way continues across most driveway aprons and overuse of detectable warning surfaces should be avoided in the interests of message clarity. However, where commercial driveways are provided with traffic control devices or otherwise are permitted to operate like public streets, detectable warnings should be provided at the junction between the pedestrian route and the street. • Perpendicular Curb Ramps: Where both ends of the bottom grade break are 5 feet or less from the back of curb, the detectable warning shall be located on the ramp surface at the bottom grade break. Where either end of the bottom grade break is more than 5 feet from the back of curb, the detectable warning shall be located on the lower landing. • Landings and Blended Transitions: The detectable warning shall be located on the landing or blended transition at the back of curb. • Rail Crossings: The detectable warning surface shall be located so that the edge nearest the rail crossing is 6 feet minimum and 15 feet maximum from the centerline of the nearest rail. The rows of truncated domes in a detectable warning surface shall be aligned to be parallel with the direction of wheelchair travel. • Detectable warnings at cut-through islands shall be located at the curb line in-line with the face of curb and shall be separated by a 2.0 foot minimum length of walkway without detectable warnings. Where the island has no curb, the detectable warning shall be located at the edge of roadway. • Exception, when detectable warnings are required by a manufacturer's installation specifications to be embedded into concrete with a surrounding edge, domes may be installed at less than the required full width. Under this exception, the detectable warning surface shall never be more than 2 inches from the edge of the curb ramp, the landing, or the blended transition. [2] • Detectable warnings shall not be stamped into concrete.			

ISLANDS AND MEDIANS (PROWAG R305.4)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
 	• Medians and pedestrian refuge islands in crosswalks shall contain a pedestrian access route, including passing space and connecting to each crosswalk. • Raised islands in crossings shall be cut through level with the street or have curb ramps and required landings at both sides. • All median island passage spaces shall provide a clear width of 5 feet minimum. [2] • Medians and pedestrian refuge islands shall be 6.0 feet minimum in length in the direction of pedestrian travel. **<u>Roadway Grade Exception</u>**: The grade of pedestrian access routes within sidewalks is permitted to equal the general grade established for the adjacent street or highway. The cross slope of curb ramps, blended transitions, landings, and turning spaces at pedestrian street crossings without yield or stop control where vehicles can proceed through the intersection without slowing or stopping, and at midblock pedestrian street crossings are permitted to equal the street or highway grade. • Each curb ramp shall have a level area 48 inches long minimum by 48 inches wide minimum at the top of the curb ramp in the part of the island intersected by the crossings. • The 48 inch minimum by 48 inch minimum areas and the accessible route shall be permitted to overlap. • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. Medians and pedestrian refuge islands shall have detectable warnings at curb ramps and blended transitions. • Detectable warnings at cut-through islands shall be located at the curb line in-line with the face of curb and shall be separated by a 2.0 foot minimum length of walkway without detectable warnings. Where the island has no curb, the detectable warning shall be located at the edge of roadway. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush.			

ACCESSIBLE PEDESTRIAN SIGNALS (PUSHBUTTONS) (PROWAG R306 and EPG 902.6.1 – EPG 902.6.15)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
    	• Each crosswalk with pedestrian signal indication shall have an accessible pedestrian signal which includes audible and vibrotactile indications of the WALK interval at new signalized intersections and shall be considered at existing intersections being altered or are needing maintenance applications. Where a pedestrian pushbutton is provided, it shall be integrated into the accessible pedestrian signal. • Accessible pedestrian signals shall be located so that the vibrotactile feature can be contacted from the level landing serving a curb ramp, if provided, or from a clear floor or ground space that is in line with the crosswalk line adjacent to the vehicle stop line. • Accessible pedestrian pushbuttons shall be located within a reach range complying with EPG 642. • A clear floor or ground space shall be provided at the pushbutton and shall connect to or overlap the pedestrian access route. **<u>Roadway Grade Exception</u>**: Clear spaces required at accessible pedestrian signals and pedestrian pushbuttons and at other accessible elements are permitted to have a running slope or cross slope consistent with the grade of the adjacent pedestrian access route. • Pedestrian signals shall comply with PROWAG 2005 R306 and EPG 902.6.1 through 902.6.15. - Pushbuttons are a minimum 2 inches across in one dimension, raised (not recessed), contrast visually with the housing or mounting, and have a maximum force of 3.5 pounds to activate operable parts. - The control face of the pushbuttons is installed parallel to the direction of the crosswalk it serves. - The location of pushbuttons for new construction are within a longitudinal distance of 5 feet maximum from the crosswalk line, and 30 inches minimum to 6 feet maximum from the curb line. - For audible pedestrian signal devices only, pushbuttons are a minimum 10 feet apart. - Pushbuttons are located at a height of approximately 42 inches, but no higher than 48 inches from the ground and within 10 inch reach from a level paved clear floor or ground space with minimum dimensions of 48 inches x 30 inches positioned for a parallel approach to the pushbutton. For a forward approach space (30 x 48 inches) the allowed reach range is 0 inches. - Where pushbuttons for the visually impaired are installed, tactile signs are to be provided that meet ADA requirements.			

PEDESTRIAN STREET CROSSINGS (PROWAG R305 and EPG 642)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
 	• Crosswalks shall contain a pedestrian access route that connects to departure and arrival walkways through any median or pedestrian refuge island. • Marked crosswalks shall be 6 feet wide minimum. • The grade of the pedestrian access route is permitted to equal the general grade established for the adjacent street or highway, except that where pedestrian access routes are contained within pedestrian street crossings a maximum grade of 5 percent is required. • A 5 percent maximum cross slope is specified for pedestrian access routes contained within pedestrian street crossings without yield or stop control. • Crossings with Stop Control: The cross slope shall be 2 percent maximum. • The cross slope at midblock crossings shall be permitted to be warped to meet street or highway grade. • The running slope shall be 5 percent maximum, measured parallel to the direction of pedestrian travel in the crosswalk. • Accessible pedestrian signals and pedestrian pushbuttons provided at pedestrian crossings with pedestrian signals (See EPG 642 for applicability) shall comply with EPG 902.6.8 through 902.6.15. Operable parts shall comply with EPG 902.6.9 – 902.6.15. • Crosswalk pavement marking is 6 inches wide white. • Stop bar is at minimum 4 feet from the crosswalk. • Curb ramps at marked crossings shall be wholly contained within the markings, excluding any flared sides. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush. • Beyond the curb face, a clear space of 4.0 feet minimum by 4.0 feet minimum shall be provided within the width of the crosswalk and wholly outside the parallel vehicle travel lane.			

ALTERNATE CIRCULATION PATH (PROWAG R302)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
	• Alternate circulation paths shall contain a pedestrian access route. • To the maximum extent feasible, the alternate circulation path shall be provided on the same side of the street as the disrupted route. • Where the alternate circulation path is exposed to adjacent construction, excavation drop-offs, traffic, or other hazards, it shall be protected with a pedestrian barricade or channelizing device complying with MUTCD 6F-58, 6F-63, and 6F-66. • Pedestrian barricades and channelizing devices shall be continuous, stable, and non-flexible and shall consist of a wall, fence, or enclosures specified in section 6F-58, 6F-63, and 6F-66 of the MUTCD (incorporated by reference; see PROWAG 2005 R104.2.4). • A detectable continuous bottom edge shall be provided 2 inches maximum above the ground or walkway surface. • Devices shall provide a continuous surface or upper rail at 3.0 feet minimum above the ground or walkway surface. • Support members shall not protrude into the alternate circulation path.			

BUS BOARDING AND ALIGHTING AREAS (PROWAG R410)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
	• Bus stop boarding and alighting areas shall have a firm, stable surface. • Bus stop boarding and alighting areas shall provide a clear length of 8 feet minimum, measured perpendicular to the curb or vehicle roadway edge, and a clear width of 5 feet minimum, measured parallel to the vehicle roadway. • Bus stop boarding and alighting areas shall be connected to streets, sidewalks, or pedestrian paths by an accessible route. • Parallel to the roadway, the slope of the bus stop boarding and alighting area shall be the same as the roadway, to the maximum extent practicable. Perpendicular to the roadway, the slope of the bus stop boarding and alighting area shall not be steeper than2 percent. • Bus shelters shall provide a minimum 30 inch by 48 inch clear floor or ground space entirely within the shelter. • Bus shelters shall be connected by an accessible route to a boarding and alighting area.			

[1] Any “NO” answer means that location is ADA non-compliant and needs to be corrected before final acceptance of the work, except as follows. Although exceptions listed in the above requirements may not meet MoDOT current policy standards, work that does meet the minimum ADA standards will be accepted as ADA compliant. Where it is technically infeasible to correct deficiencies as part of the current work, those locations will be labeled as non-compliant and marked “NO”. These items will be added to the Transition Plan Inventory for correction at a later date. (Guidance is provided in ADA documents and in the EPG on what may be considered as technically infeasible.)

[2] A MoDOT requirement.

Unless otherwise noted, all notes on this form are direct ADA requirements as published in either the PROWAG dated November 23, 2005 or ADA/ABA Standards from 2010.

All exceptions and technically infeasible locations should be discussed with the project manager and/or area engineer prior to acceptance of the work. All exceptions and technically infeasible locations will need to be thoroughly documented by the engineer, and that documentation will be attached to this form and retained as part of the final acceptance records.

All slope and grade measurements for ADA compliance will be made using a calibrated 2 foot long digital level.

US Access Board PROWAG
R202.3.1 Prohibited Reduction in Required Access. An alteration shall not decrease or have the effect of decreasing the accessibility of a facility or an accessible connection to an adjacent building or site below the requirements for new construction in effect at the time of the alteration.

Inspector Name: _____ **Inspector Signature:** _____	**Date:**
Contractor Representative Name: _____ **Contractor Representative Signature:** _____	**Date:**
Resident Engineer or Area Engineer Name: _____ **Resident Engineer or Area Engineer Signature:**	**Date:**
Distribution: ❑ **Project Office** ❑ **District Permit Office**	

SAMPLE

ADA EXCEPTIONS DOCUMENTATION

Job No._____ **Route**_____ **County**_____ **Location**_____

Item	Location	Standard	As Built	Discussion
Sidewalk Width	Third Street Sta 3+00 to 7+00 RT	5' wide	Exist 3' wide	Required 5' x 5' Passing Space added at 5+00
Curb Ramp Grade	SE Quad of Main & First	8.33%	11.2%	As-built Curb Ramp is 16.0' long
Parallel Ramp Landing running grade	Sta 35+20 to 35+25 Rt Rte 14 (turning space)	2.00%	2.6%	Landing running grade matches existing roadway grade
Sidewalk Grade	Sta 23+45 to 23+52	5.0%	8.4%	Match existing floor at two exist doorways, Straight grade between fixed elevations

Inspector Name: _____ **Inspector Signature:** _____	**Date:**
Resident Engineer or Area Engineer Name: _____ **Resident Engineer or Area Engineer Signature:**	**Date:**
Distribution: ❑ **Project Office** ❑ **District Permit Office**	

CITY OF FLORISSANT – MULLANPHY ROAD RESURFACING
STP-4901(650)

INVITATION FOR BIDS

Electronic submissions will be received by the City of Florissant's Engineering Division until **10:00 AM CST** on **Wednesday, September 9th, 2026**, at which time, bids will be publicly opened and read aloud at Florissant City Hall's 1st Floor Conference Room at 955 Rue St Francois, Florissant, MO 63031. Electronic submissions will be received through the City's e-Procurement Portal, OpenGov: https://procurement.opengov.com/portal/florissantmo

Bidders shall create a FREE account with OpenGov Procurement by signing up at https://procurement.opengov.com/signup. Once you have completed account registration, navigate to the City of Florissant portal, click on "Submit Response", and follow the instructions to submit the electronic bid.

The proposed Scope of Work includes grading, sidewalk installation, pavement repair, mill and overlay, entrance reconstruction, and storm sewer improvements.

Bid packages are available for download from the City of Florissant Procurement Portal website at: https://www.florissantmo.com/290/Current-Bid-Opportunities

A pre-bid conference will be held at **10:00 AM CST** on **Wednesday, September 2nd, 2026**, at 955 St. Francois Street, Florissant, Missouri, 63031. **All bidders are encouraged to attend the pre-bid meeting.**

Any questions regarding this bid must be presented in writing and posted directly on the OpenGov Procurement Project question section. Questions will not be answered outside of the OpenGov platform to ensure equal opportunity for all interested parties. The cut-off date for questions is **10:00 AM CST** on **Wednesday, September 2nd, 2026**.

All labor used in the construction of this public improvement shall be paid a wage no less than the prevailing hourly rate of wages of work of a similar character in this locality as established by the Department of Labor and Industrial Relations (Federal Wage Rate), or state wage rate, whichever is higher.

The City of Florissant is a tax-exempt entity. A project exemption certificate will be supplied to the successful contractor.

The City of Florissant hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, businesses owned and controlled by socially and economically disadvantaged individuals will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, religion, creed, sex, age, ancestry, or national origin in consideration for an award.

All bidders must be on MoDOT's Qualified Contractor List per Section 102.2 from the current version of the Missouri Standard Specifications for Highway Construction, including all revisions. The contractor questionnaire must be on file 7 days prior to bid opening

Contractors and sub-contractors who sign a contract to work on public works project provide a 10-Hour OSHA construction safety program, or similar program approved by the Department of Labor and Industrial Relations, to be completed by their on-site employees within sixty (60) days of beginning work on the construction project.

A certified or cashier's check or a bid bond in the amount of 5% shall be submitted with each proposal.

The DBE Goal for this letting is **0%** of the total contract amount.

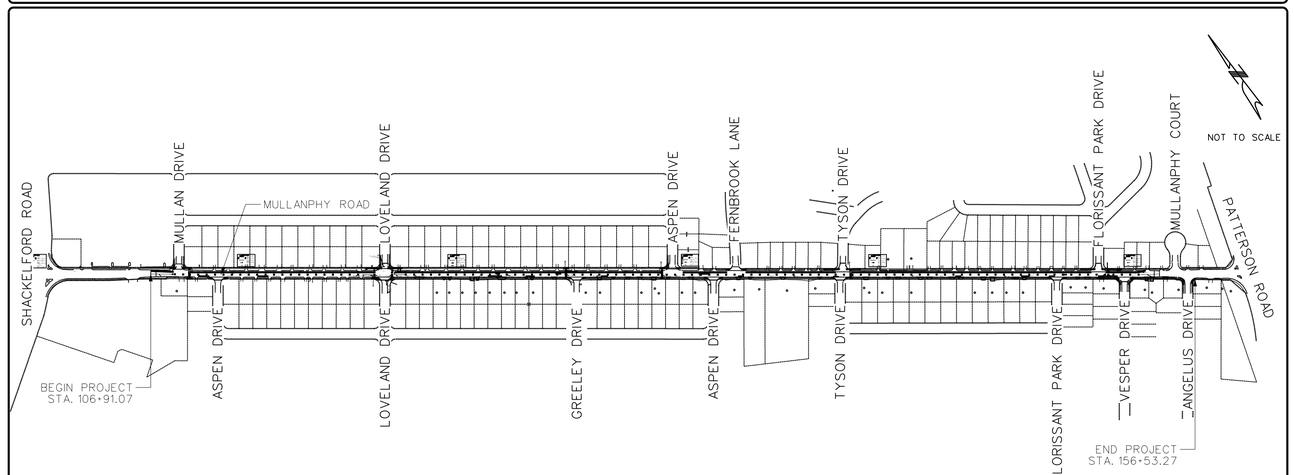
The City of Florissant shall award based on the lowest, responsive, responsible bidder. The City of Florissant reserves the right to reject any or all bids.

CONSTRUCTION PLANS
MULLANPHY ROAD RESURFACING
FEDERAL PROJECT NO. STP-4901(650)

GENERAL LEGEND

DESCRIPTION	SYMBOLOGY
RIGHT-OF-WAY NEW	
RIGHT-OF-WAY EXISTING	
PROPERTY LINE	
UNDERGROUND UTILITY (TYPE SPECIFIED) T-TELEPHONE/CATV G-GAS W-WATER E-ELECTRIC	
CONSTRUCTION LIMITS	
TREE OR SHRUB (DESIGNATE DIA. & TYPE)	
TREE/VEGETATION LINE	
FENCE (DESIGNATE TYPE)	
GUARDRAIL	
RAILROAD	
SIGN	
PERMANENT DRAINAGE EASEMENT	PDE
PERMANENT SIDEWALK EASEMENT	PSE
TEMPORARY SLOPE AND CONSTRUCTION LICENSE	TSCL
PERMANENT PEDESTRIAN EASEMENT AND TRAFFIC SIGNAL EASEMENT	PPETSE
PERMANENT FOOTING EASEMENT	PFE
PERMANENT ROADWAY IMPROVEMENT, MAINTENANCE AND UTILITY EASEMENT	PRIMUE
PERMANENT ROADWAY IMPROVEMENT, MAINTENANCE AND UTILITY SIDEWALK AND SEWER EASEMENT	PRIMUSSE
PERMANENT RETAINING WALL EASEMENT	PRWE
TO BE REMOVED	(TBR)
TO BE ABANDONED	(TBA)
USE IN PLACE	(UIP)
TO BE REMOVED AND REPLACED	(TBR&R)
TO BE REMOVED AND REPLACED BY OTHERS	(TBR&RBO)
ADJUST TO GRADE	(ATG)
ADJUST TO GRADE BY OTHERS	(ATGBO)
TO BE ABANDONED AND FILLED	(TBA&F)

PROJECT LIMITS



INDEX OF SHEETS

SHEET NUMBER	DESCRIPTION
1	TITLE AND INDEX SHEET
2 - 3	TYPICAL SECTIONS
4	ALIGNMENT SHEET
5	SUMMARY OF QUANTITIES
6-13	DETAILED QUANTITIES
14	REFERENCE TIES
15-20	ROADWAY PLANS
21-25	RIGHT-OF-WAY SHEETS
27-39	CURB RAMP/WARPING SHEETS
40	RETAINING WALL DETAIL SHEET
41-49	TRAFFIC CONTROL SHEETS
50	EROSION CONTROL SHEETS
51-56	SIGNING/STRIPING SHEETS
57	PIPE PROFILE/DRAINAGE NOTES
58-83	CROSS SECTIONS
84-97	DRIVEWAY CROSS SECTIONS

PROJECT SPECIFIC INFORMATION

PROJECT BENCHMARK:
ST. LOUIS COUNTY BENCHMARK 4097, ELEVATION=545.55 (NAVD88)
"L" ON THE NORTHEAST CORNER OF THE BOTTOM OF SIX STEPS, AT THE ENTRANCE TO THE EAST SIDE OF BAPTIST CHURCH AT #1185 MULLANPHY ROAD; ON THE SOUTHWEST CORNER OF SHACKELFORD ROAD AND MULLANPHY ROAD.

STORMWATER MANAGEMENT FUTURE LAND DISTURBANCE NOTE:

PROJECT DISTURBANCE = 0.86 ACRES
PROJECT RUNOFF DIFFERENTIAL = +0.64 CFS

ANY FUTURE LAND DISTURBANCE AND/OR INCREASE IN IMPERVIOUS AREA ON THIS SITE MAY REQUIRE ADDITIONAL STORMWATER MANAGEMENT PER MSD REGULATIONS IN PLACE AT THAT TIME (INCLUDING TOTAL LAND DISTURBANCE AND/ORIMPERVIOUSNESS ADDED ON THIS PLAN).

PREVAILING WAGE NOTE:
NOTICE TO CONTRACTOR: THIS PROJECT INCLUDES CONSTRUCTION OF GREEN INFRASTRUCTURE OR RELOCATION, ALTERCATION, OR RECONSTRUCTION OF EXISTING MSD FACILITIES. IN ACCORDANCE WITH THE MSD GREEN INFRASTRUCTURE PROGRAM AND MSD RESOLUTION 3263, THE DISTRICT REQUIRES THE WAGE RATE TO BE AT LEAST EQUAL TO THE MISSOURI PREVAILING WAGE RATE AT THE TIME OF CONSTRUCTION START. AN AFFIDAVIT CERTIFYING THAT THE MISSOURI PREVAILING WAGE RATE AT THE TIME OF CONSTRUCTION START HAS BEEN PAID FOR ALL WORK RELATED TO GREEN INFRASTRUCTURE OR RELOCATION, ALTERATION, OR RECONSTRUCTION OF EXISTING MSD FACILITIES IS REQUIRED PRIOR TO MSD CONSTRUCTION APPROVAL OF THIS PROJECT.

DESIGN CRITERIA

FUNCTIONAL CLASSIFICATION:	PRINCIPAL ARTERIAL
DESIGN YEAR:	2040
CURRENT ADT (YEAR):	5,376 (2020)
DESIGN ADT (YEAR):	6,824 (2040)
DIRECTIONAL DISTRIBUTION (D) =	N/A
TRUCK PERCENTAGE (T) =	N/A
DESIGN SPEED (V) =	30 MPH
POSTED SPEED (V) =	25 MPH

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

LENGTH OF PROJECT

MULLANPHY ROAD

BEGINNING OF PROJECT	STA.	106+91.07	
END OF PROJECT	STA.	156+53.27	
APPARENT LENGTH		4,962.20	FEET
EQUATIONS AND EXCEPTIONS		0.00	FEET
TOTAL CORRECTIONS		0.00	FEET
NET LENGTH OF PROJECT		4,962.20	FEET
STATE LENGTH		0.94	MILES
FEDERAL LENGTH		0.94	MILES

MSD CERTIFICATION

THE EXISTING SEWER LENGTHS, SIZES, FLOWLINES, DEPTHS OF STRUCTURES AND SEWERS AND LOCATIONS WITH RESPECT TO EXISTING OR PROPOSED EASEMENTS HAVE BEEN MEASURED. THE RESULTS OF THOSE MEASUREMENTS ARE SHOWN ON THIS SET OF FINAL MEASUREMENT PLANS. SINCE THE WYE LOCATIONS HAVE BEEN PLOTTED FROM INFORMATION PROVIDED BY THE SEWER CONTRACTOR OR OTHER SOURCES, I DISCLAIM ANY RESPONSIBILITY FOR THAT SPECIFIC INFORMATION.

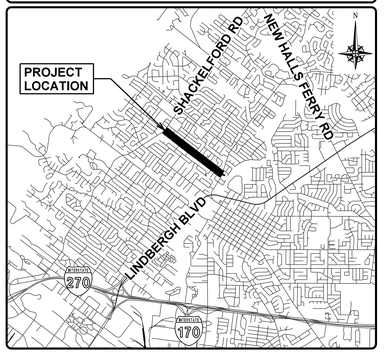
ALL PUBLIC SEWERS ARE LOCATED WITHIN DISIGNATED EXISTING OR PROPOSED EASEMENTS EXCEPT AS FOLLOWS:

SIGNED
P.E.

DATE

IT SHOULD BE UNDERSTOOD THAT THIS SIGNATURE AND SEAL APPLY ONLY TO THE AFOREMENTIONED FINAL MEASUREMENTS

LOCATOR MAP



CITY OF FLORISSANT
DEPARTMENT OF PUBLIC WORKS
955 RUE ST FRANCOIS
FLORISSANT, MISSOURI 63031

STANDARD SPECIFICATIONS

UNLESS OTHERWISE NOTED, ALL WORK ON THIS PROJECT SHALL BE COVERED BY THE ST. LOUIS COUNTY STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND BY APPLICABLE ST. LOUIS COUNTY STANDARD DRAWINGS.

UTILITY NOTE

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS: AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

M.S.D. P-NUMBER:	24MSD-00286
M.S.D. BASE MAP:	07J, 07K
REVIEW ENGINEER:	MARIAH MANIS
APPROVAL DATE:	APRIL 24, 2026

APPROVED:
Jason Timme
Director of Public Works

DATE: APRIL 27, 2026

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
08/12/2026 1:09:33 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 8/11/2026

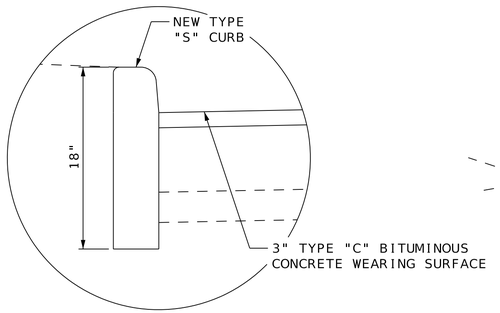
PREPARED BY:
HRGreen
131 MARYVILLE CENTRE DRIVE, STE. 150, ST. LOUIS, MO 63141
PHONE: 314.579.0900 FAX: 314.579.0909
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

TITLE SHEET

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 1 OF 97

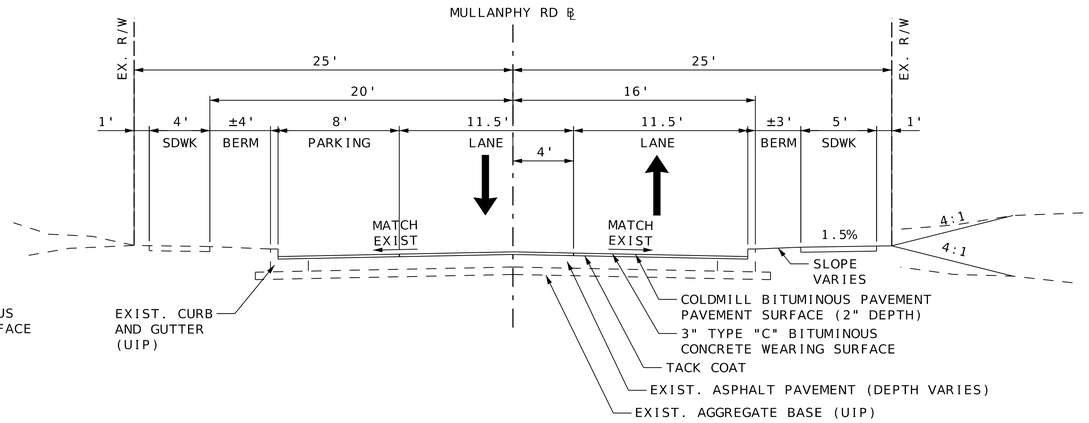
\\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-01-TitleSheet.dgn 2:18:59 PM 8/11/2026



DETAIL 3-TYPE S CURB

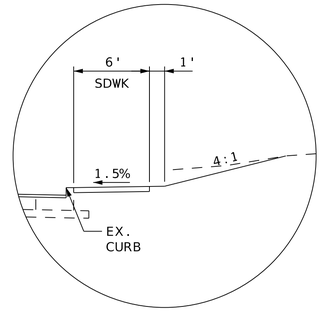
STA. 117+10.03 TO STA. 119+17.39
STA. 138+91.76 TO STA. 140+58.06
STA. 151+14.99 TO STA. 152+80.94

NTS



TYPICAL SECTION MULLANPHY ROAD

MILL AND OVERLAY
STA 132+94.69 TO STA. 154+84.37
SIDEWALK RECONSTRUCTION
STA 154+84.37 TO STA 156+53.27



DETAIL 1-SIDEWALK AT BACK OF CURB

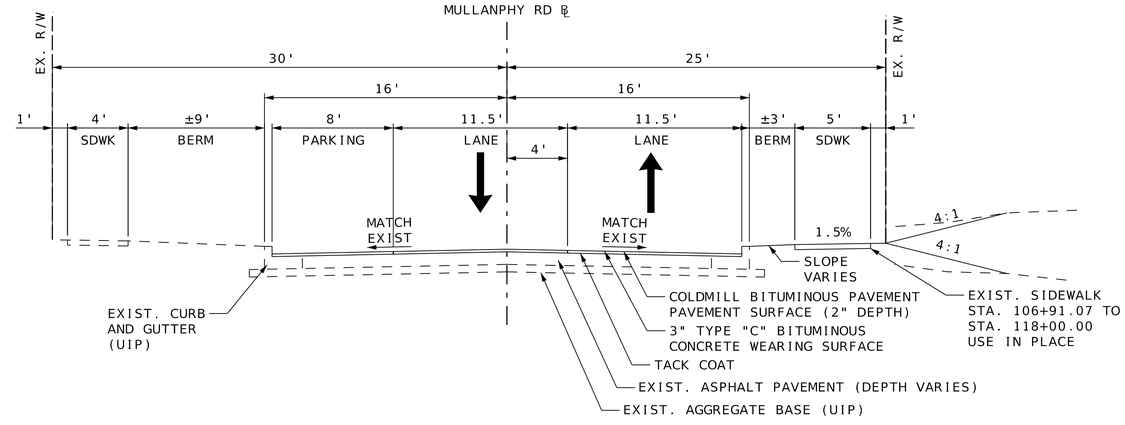
STA. 122+03.73 TO STA. 122+54.64

NOTES:

1. DO NOT SCALE DRAWING. FOLLOW DIMENSIONS SHOWN.

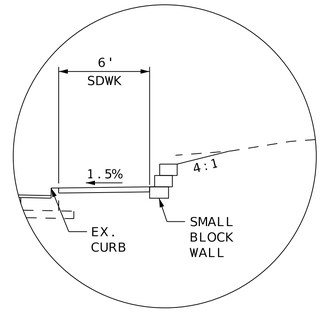
2. THE TYPICAL SECTIONS ARE INTENDED TO PROVIDE GUIDANCE AS TO THE LIMITS OF THE MILLING AND OVERLAY OPERATIONS. THE PAVEMENT MATERIALS AND DEPTHS SHOWN WERE PLOTTED FROM EXISTING RECORDS AND MAY DIFFER FROM ACTUAL FIELD CONDITIONS. CONTRACTOR SHALL TAKE APPROPRIATE MEASURES DURING MILLING OPERATIONS TO ENSURE PAVEMENT CROSS SLOPE DRAINS TOWARD CURB AS DIRECTED BY THE ENGINEER.

3. THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



TYPICAL SECTION MULLANPHY ROAD

MILL AND OVERLAY
STA 106+91.07 TO STA. 132+94.69



DETAIL 2-SIDEWALK AT BACK OF CURB WITH SMALL BLOCK WALL

STA. 121+30.83 TO STA. 122+03.73

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to the sheet(s) and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part or parts of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:10:10 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
120 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.432.0550 WWW.HRGREEN.COM
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

TYPICAL SECTIONS (SHEET 1 OF 2)

DESIGNED:
M. SCHNEIDER

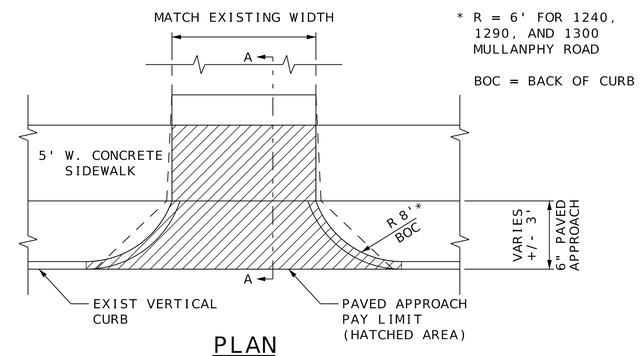
DRAWN:
M. SCHNEIDER

CHECKED:
A. DAVIS

SHEET SEQUENCE:
2 OF 97

MULLANPHY ROAD
INVESTIGATIVE CORE DRILLING REPORT

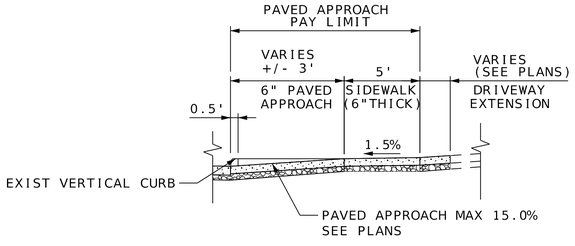
CORE NO.	LOCATION	DESCRIPTION
1	1600 MULLANPHY ROAD	10" BITUMINOUS PAVEMENT ON AN AGGREGATE BASE. TOTAL PAVEMENT THICKNESS - 10"
2	1525 MULLANPHY ROAD	7" BITUMINOUS PAVEMENT ON AN AGGREGATE BASE. TOTAL PAVEMENT THICKNESS - 7"
3	1420 MULLANPHY ROAD	7" BITUMINOUS PAVEMENT ON AN AGGREGATE BASE. TOTAL PAVEMENT THICKNESS - 7"
4	1335 MULLANPHY ROAD	6" BITUMINOUS PAVEMENT ON AN AGGREGATE BASE. TOTAL PAVEMENT THICKNESS - 6"
5	1220 MULLANPHY ROAD	7" BITUMINOUS PAVEMENT ON AN AGGREGATE BASE. TOTAL PAVEMENT THICKNESS - 7"
6	1065 MULLANPHY ROAD	9" BITUMINOUS PAVEMENT ON AN AGGREGATE BASE. TOTAL PAVEMENT THICKNESS - 9"
7	920 MULLANPHY ROAD	6" BITUMINOUS PAVEMENT ON AN AGGREGATE BASE. TOTAL PAVEMENT THICKNESS - 6"
8	825 MULLANPHY ROAD	9.5" BITUMINOUS PAVEMENT ON AN AGGREGATE BASE. TOTAL PAVEMENT THICKNESS - 9.5"
9	720 MULLANPHY ROAD	7" BITUMINOUS PAVEMENT ON AN AGGREGATE BASE. TOTAL PAVEMENT THICKNESS - 7"
10	605 MULLANPHY ROAD	7" BITUMINOUS PAVEMENT ON AN AGGREGATE BASE. TOTAL PAVEMENT THICKNESS - 7"



PLAN

* R = 6' FOR 1240, 1290, AND 1300 MULLANPHY ROAD

BOC = BACK OF CURB

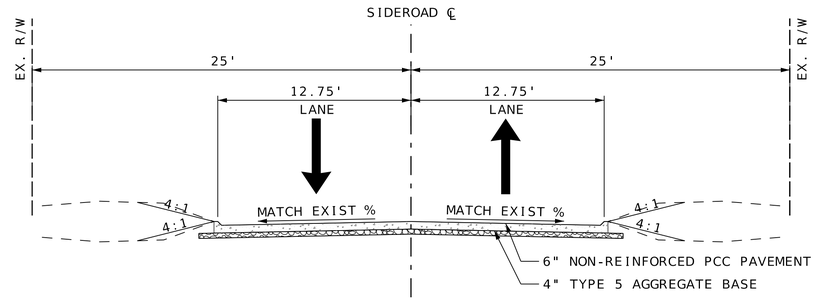


SECTION A-A

DETAIL 4-RESIDENTIAL PAVED APPROACH

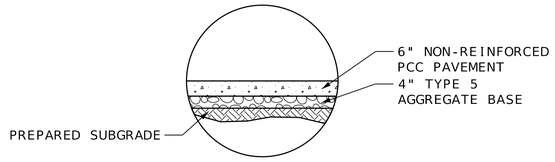
NOTES:

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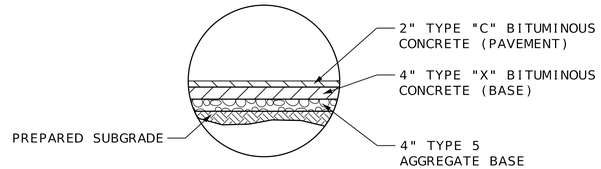
TYPICAL SECTION SIDEROADS

CONCRETE PAVEMENT
ASPEN DR - STA 499+61.83 TO STA 499+84.03
TYSON DR - STA 899+49.11 TO STA 899+90.50
FLORISSANT PARK DR - STA 1099+50.00 TO STA 1099+90.50



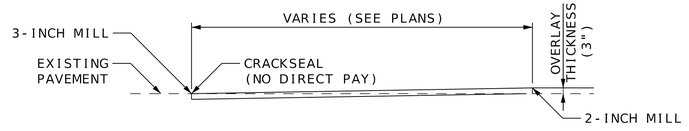
DETAIL 5-CONCRETE PAVED APPROACH AND DRIVEWAY EXTENSION

NTS



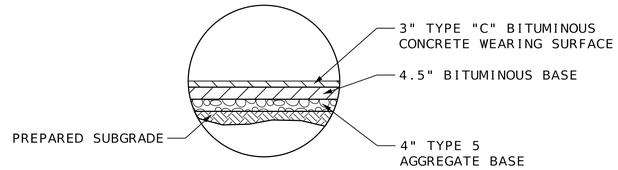
DETAIL 6-ASPHALT DRIVEWAY EXTENSION

NTS



DETAIL 7-TRAVELED WAY BUTT JOINT VARIABLE LENGTH TRANSITION (13.5-25 FT.)

NTS



DETAIL 8-FULL DEPTH PAVEMENT REPAIR

NTS

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

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STATE OF MISSOURI — ANDREA S. DAVIS PE-2018021250 — PROFESSIONAL ENGINEER

Andrea S. Davis
04/21/2026 4:10:13 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY: HRGreen — 501 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141 — (314) 579-0900 — WWW.HRGREEN.COM
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

TYPICAL SECTIONS (SHEET 2 OF 2)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 3 OF 97
BRIDGE SHEET NO.: OF

REV.

ALIGNMENT INFORMATION								
ELEMENT	POINT TYPE	STATION	NORTHING	EASTING	RADIUS	LENGTH	DELTA/ THETA	ROTATION DIRECTION
ALIGNMENT NAME: MULLANPHY ROAD								
TANGENT	START	100+00.00	1085536.1678	863788.3012				
TANGENT	PI	133+00.00	1083522.1072	866402.4091		3300.00	S52*23'14"E	
TANGENT	END	160+00.00	1081875.0780	868541.8704		2700.00	S52*24'35"E	
ALIGNMENT NAME: MULLAN DRIVE								
TANGENT	START	97+91.81	1085197.5828	864568.8690				
TANGENT	END	100+00.00	1085032.6676	864441.8088		208.19	S37*36'46"W	
ALIGNMENT NAME: ASPEN DRIVE SOUTH 1								
TANGENT	START	200+00.00	1084919.5112	864588.6777				
TANGENT	END	202+35.00	1084733.3567	864445.2535		235.00	S37*36'46"W	
ALIGNMENT NAME: LOVELAND DRIVE								
TANGENT	START	297+92.00	1084600.2002	865343.9213				
TANGENT	END	302+35.00	1084249.2777	865073.5503		443.00	S37*36'46"W	
ALIGNMENT NAME: GREELEY DRIVE								
TANGENT	START	400+00.00	1083879.1608	865938.9789				
TANGENT	END	402+35.00	1083693.0046	865795.5534		235.00	S37*36'46"W	
ALIGNMENT NAME: ASPEN DRIVE NORTH								
TANGENT	START	494+10.35	1084067.2725	866660.9471				
TANGENT	END	500+00.00	1083601.7000	866299.1033		589.65	S37*51'16"W	
ALIGNMENT NAME: ASPEN DRIVE SOUTH 2								
TANGENT	START	600+00.00	1083482.6095	866453.7160				
TANGENT	END	602+34.98	1083296.3449	866310.4594		234.98	S37*33'50"W	
ALIGNMENT NAME: FERNBROOK								
ARC	START/PC	696+10.22	1083740.9042	866755.4675				
ARC	HPI	696+95.08	1083673.8762	866703.4264				
ARC	CC		1083010.7203	867695.9313	1190.65	169.43	08*09'12"	LEFT
ARC	PRC	697+79.65	1083600.1450	866661.4173				
ARC	PRC	697+79.65	1083600.1578	866661.4246				
ARC	HPI	698+67.50	1083523.8061	866617.9820				
ARC	CC		1084225.4755	865562.4083	1264.46	175.41	07*56'54"	RIGHT
ARC	PT	699+55.06	1083454.1950	866564.3990				
TANGENT	PT	699+55.06	1083454.1412	866564.3576				
TANGENT	END	700+00.00	1083418.5354	866536.9471		44.93	S37*35'25"W	
ALIGNMENT NAME: TYSON DRIVE SOUTH								
TANGENT	START		1083229.2158	867035.4387				
TANGENT	END		1083107.5421	866940.9218		214.55	S37*29'25"W	
ALIGNMENT NAME: TYSON DRIVE NORTH								
TANGENT	START		1082487.1829	867746.7572				
TANGENT	END		1082318.3700	867617.2679		154.07	S37*50'25"W	
ALIGNMENT NAME: FLORISSANT PARK SOUTH								
TANGENT	START		1082485.6108	867995.4743				
TANGENT	END		1082366.8699	867903.0416		212.76	S37*29'25"W	
ALIGNMENT NAME: FLORISSANT PARK NORTH								
TANGENT	START		1082485.6108	867995.4743				
TANGENT	END		1082366.8699	867903.0416		150.48	S37*53'55"W	
ALIGNMENT NAME: VESPER DRIVE								
TANGENT	START		1082290.9191	868001.7004				
TANGENT	END		1081740.4413	867577.4135		695.01	S37*37'25"W	
ALIGNMENT NAME: ANGELUS DRIVE								
TANGENT	START		1082107.9471	868239.3776				
TANGENT	END		1081562.3598	867818.8601		688.84	S37*37'25"W	

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S. Davis
04/21/2026 4:10:16 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen®
520 MAXWELL (CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141)
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD
RESURFACING

ALIGNMENT SHEET
(SHEET 1 OF 1)

DESIGNED:
M. SCHNEIDER

DRAWN:
M. SCHNEIDER

CHECKED:
A. DAVIS

SHEET SEQUENCE:
4 OF 97

4/21/2026 1:53:40 PM \\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-04-Alignment.dgn

SUMMARY OF QUANTIITES - MULLANPHY ROAD				
ITEM NO.	JSP	DESCRIPTION	UNIT	QUANTITY
ROADWAY ITEMS				
201-20.10		CLEARING AND GRUBBING	LS	1
201-20.11	R	CLEARING VEGETATION FROM PEDESTRIAN ACCESS ROUTE	LS	1
202-20.10	K	REMOVAL OF IMPROVEMENTS	LS	1
207-20.00		LINEAR GRADING, CLASS 2	STA	44.9
304-05.04		TYPE 5 AGGREGATE BASE (4" THICK)	SY	431
405-30.10		TYPE "C" BITUMINOUS CONCRETE (PAVEMENT)	TON	2776.8
405-30.25	O	ASPHALT PAVEMENT REPAIR, (FULL DEPTH)	SY	476.6
405-30.30		TYPE "X" BITUMINOUS CONCRETE (BASE)	TON	3.4
407-10.10		TACK-LIQUID ASPHALT	GAL	1710
412-10.02		PAVEMENT SURFACING AND TEXTURING (0" TO 2"), CONCRETE OR ASPHALT	SY	17095
502-11.06		CONCRETE PAVEMENT (6" NON-REINFORCED)	SY	165.1
502-11.07		CONCRETE PAVEMENT (7" NON-REINFORCED)	SY	316.0
604-12.01	X	SINGLE CURB INLET, UNTRAPPED	EA	2
604-20.20	X	ADJUSTING BASIN OR INLET	EA	4
604-20.26	X	ADJUST GRATE INLET TO GRADE	EA	14
604-20.30	X	ADJUSTING MANHOLE TO GRADE	EA	12
604-25.40	X	CONVERT INLET TO MANHOLE AND ADJUST TO GRADE	EA	2
608-50.06		PAVED DRIVEWAY APPROACH (6" THICK)	SY	685.9
609-10.10		CONCRETE CURB, TYPE "S"	LF	693
609-20.11		INTEGRAL CURB (6" HEIGHT AND UNDER)	LF	319
612-30.15	L	TEMPORARY TRAFFIC CONTROL	LS	1
619-00.00		MOBILIZATION	LS	1
622-10.00		TEMPORARY PAVEMENT MARKING PAINT	LS	1
627-40.00	J	CONTRACTOR FURNISHED SURVEYING & STAKING	LS	1
703-90.10	Y	MODULAR BLOCK WALL (H<4')	SF	79
803-10.00	BB	SODDING	SY	1556
805-40.00		SITE RESTORATION (ROADWAY PROJECTS)	LS	1
806-45.10		INLET PROTECTION DEVICE, SINGLE UNIT - GRAVEL FILTER BAG	EA	29
806-45.13		INLET PROTECTION DEVICE, DOUBLE UNIT - GRAVEL FILTER BAG	EA	4
806-70.00		SILT FENCE	LF	300
STRIPING ITEMS				
620-60.00D	EE	4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL TYPE P BEADS)	LF	4215
620-60.01D	EE	4 IN. YELLOW CLASS 1 PAVEMENT MARKING PAINT (18-MIL TYPE P BEADS)	LF	2061
620-00.15	EE	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN., WHITE	LF	217
SIGNING ITEMS				
903-12.50A	DD	U-CHANNEL POST, 3 LB	LF	651.5
903-50.04A	DD	SH-FLAT SHEET	SF	288.4
PEDESTRIAN ITEMS				
608-60.04		CONCRETE SIDEWALK (4" THICK)	SY	2564.2
608-60.08		CONRETE SIDEWALK, CURB RAMP	EACH	41

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I have exercised control over the documents intended to be authorized by my seal are limited to the work I've done, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

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Andrea S. Davis - Civil
MO PE-2018021250

DATE: 6/11/2026

PREPARED BY:
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MULLANPHY ROAD
RESURFACING

QUANTITIES
(SHEET 1 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 5 OF 97

REMOVALS

SHEET	STATION	STATION	SIDE	ROUTE	EACH	LF	SY	ITEM EA
15	104+87.09		RT	MULLANPHY	1			METRO BUS SIGN & POST
15	104+96.99		LT	MULLANPHY	1			METRO BUS SIGN & POST
15	106+96.74		RT	MULLANPHY	1			SPEED LIMIT SIGN & POST
15	107+70.81		RT	MULLANPHY	1			SIGN POST
15	107+81.92	108+10.72	LT	MULLANPHY			19.3	SIDEWALK
15	108+09.87		LT	MULLANPHY	1			STOP SIGN & POST
15	108+15.50		RT	MULLANPHY	1			STOP FOR PEDESTRIAN SIGN & POST
15	108+39.88	108+87.15	LT	MULLANPHY			25.9	SIDEWALK
15	108+62.15	108+87.15	RT	MULLANPHY			10.4	SIDEWALK
15	108+69.04		LT	MULLANPHY	1			STOP FOR PEDESTRIAN SIGN & POST
15	109+63.00	109+85.86	RT	MULLANPHY			8.7	SIDEWALK
15	110+33.75		RT	MULLANPHY	1			STOP SIGN & POST
15	110+34.30	110+58.82	RT	MULLANPHY			9.5	SIDEWALK
16	111+75.23		RT	MULLANPHY	1			NO PARKING SIGN & POST
16	113+74.71		RT	MULLANPHY	1			NO PARKING SIGN & POST
16	114+77.24		LT	MULLANPHY	1			SPEED LIMIT SIGN & POST
16	115+69.06		RT	MULLANPHY	1			NO PARKING SIGN & POST
16	117+11.40	117+85.30	LT	MULLANPHY			39.7	SIDEWALK
16	117+23.29	117+90.45	LT	MULLANPHY			53.4	PAVEMENT
16	117+25.18		RT	MULLANPHY	1			METRO BUS SIGN & POST
16	117+39.90	117+79.23	RT	MULLANPHY			15.6	SIDEWALK
16	117+62.86		RT	MULLANPHY	1			STOP SIGN & POST
16	117+87.01		LT	MULLANPHY	1			STOP SIGN & POST
16	118+16.52	119+17.39	LT	MULLANPHY			73.3	PAVEMENT
16	118+21.56	118+86.05	LT	MULLANPHY			35.2	SIDEWALK
16	118+33.24		LT	MULLANPHY	1			STOP SIGN & POST
16	118+58.30		LT	MULLANPHY	1			METRO BUS SIGN & POST
16	118+62.79	118+79.13	LT	MULLANPHY			17.2	CONCRETE ENTRANCE
16	119+43.61	119+67.83	RT	MULLANPHY			22.5	CONCRETE ENTRANCE
16	119+67.83	119+90.01	RT	MULLANPHY			187.3	CONCRETE ENTRANCE
16	120+34.78		RT	MULLANPHY	1			NO PARKING SIGN & POST
16	120+75.01	120+93.77	RT	MULLANPHY			16.5	CONCRETE ENTRANCE
17	121+02.55	121+19.59	RT	MULLANPHY			16.2	CONCRETE ENTRANCE
17	122+05.78	122+30.43	RT	MULLANPHY			33.5	CONCRETE ENTRANCE
17	122+34.79	122+51.78	RT	MULLANPHY			18.7	CONCRETE ENTRANCE
17	122+93.51		RT	MULLANPHY	1			NO PARKING SIGN & POST
17	123+35.46	123+57.91	RT	MULLANPHY			23.3	CONCRETE ENTRANCE
17	123+59.24	123+80.19	RT	MULLANPHY			22.1	CONCRETE ENTRANCE
17	124+66.80	124+83.13	RT	MULLANPHY			13.3	CONCRETE ENTRANCE
17	124+93.07	125+11.84	RT	MULLANPHY			16.9	CONCRETE ENTRANCE
17	125+95.44	126+20.99	RT	MULLANPHY			20.4	CONCRETE ENTRANCE
17	126+56.52		RT	MULLANPHY	1			METRO BUS SIGN & POST
17	126+72.40		RT	MULLANPHY	1			STOP FOR PEDESTRIAN SIGN & POST
17	127+46.53		LT	MULLANPHY	1			METRO BUS SIGN & POST
17	128+13.45	128+36.43	RT	MULLANPHY			27.1	CONCRETE ENTRANCE
17	128+76.18		RT	MULLANPHY	1			NO PARKING SIGN & POST
17	128+80.78	128+98.59	RT	MULLANPHY			13.0	CONCRETE ENTRANCE
17	129+03.55		LT	MULLANPHY	1			SPEED LIMIT SIGN & POST
17	129+45.06	129+70.66	RT	MULLANPHY			20.7	CONCRETE ENTRANCE
17	130+03.01	130+28.58	RT	MULLANPHY			21.3	CONCRETE ENTRANCE
17	130+68.60	130+95.33	RT	MULLANPHY			31.9	CONCRETE ENTRANCE
18	131+08.62	131+50.57	LT	MULLANPHY			27.6	SIDEWALK
18	131+35.16	132+05.80	LT	MULLANPHY			115.2	ASPEN DRIVE ENTRANCE
18	131+41.05	131+57.83	RT	MULLANPHY			13.1	CONCRETE ENTRANCE
18	131+50.60		LT	MULLANPHY	1			STOP SIGN & POST
18	131+89.39	132+06.37	LT	MULLANPHY			6.5	SIDEWALK
18	132+46.67	132+69.46	RT	MULLANPHY			20.9	CONCRETE ENTRANCE
18	134+23.54	134+45.37	LT	MULLANPHY			7.9	SIDEWALK
18	134+51.56		LT	MULLANPHY	1			STOP SIGN & POST
18	134+70.26	134+96.65	RT	MULLANPHY			25.8	CONCRETE ENTRANCE
18	134+94.51	135+18.88	LT	MULLANPHY			9.2	SIDEWALK
18	135+28.75	135+48.45	RT	MULLANPHY			13.8	CONCRETE ENTRANCE
18	135+96.86		RT	MULLANPHY	1			SPEED LIMIT SIGN & POST
18	136+78.96	137+09.07	RT	MULLANPHY			25.9	CONCRETE ENTRANCE
18	137+22.12		LT	MULLANPHY	1			SPEED LIMIT SIGN & POST
18	138+07.72		RT	MULLANPHY	1			METRO BUS SIGN & POST
18	138+58.36	138+78.67	RT	MULLANPHY			15.2	CONCRETE ENTRANCE
18	138+84.44		LT	MULLANPHY	1			METRO BUS SIGN & POST
18	138+89.21	139+54.85	LT	MULLANPHY			25.0	SIDEWALK
18	138+98.67	140+58.06	LT	MULLANPHY			56.8	PAVEMENT
18	139+14.36	140+17.76	LT	MULLANPHY			184.4	TYSON DRIVE ENTRANCE
18	139+61.05		LT	MULLANPHY	1			STOP SIGN & POST
18	140+03.20	140+63.00	LT	MULLANPHY			24.8	SIDEWALK
18-19	140+74.62	141+05.89	RT	MULLANPHY			25.2	CONCRETE ENTRANCE
19	141+47.20		RT	MULLANPHY	1			NO PARKING SIGN & POST
19	141+83.91	142+04.38	RT	MULLANPHY			14.4	CONCRETE ENTRANCE
19	142+29.07	142+54.35	RT	MULLANPHY			21.0	CONCRETE ENTRANCE

REMOVALS (CONTINUED)

SHEET	STATION	STATION	SIDE	ROUTE	EACH	LF	SY	ITEM EA
19	143+34.84	143+63.89	RT	MULLANPHY			26.0	CONCRETE ENTRANCE
19	143+75.27	144+06.55	RT	MULLANPHY			25.6	CONCRETE ENTRANCE
19	144++86.41	145+12.64	RT	MULLANPHY			22.6	CONCRETE ENTRANCE
19	145+26.39	145+54.52	RT	MULLANPHY			22.1	CONCRETE ENTRANCE
19	146+34.92	146+60.33	RT	MULLANPHY			28.4	CONCRETE ENTRANCE
19	146+77.27	147+04.69	RT	MULLANPHY			39.8	CONCRETE ENTRANCE
19	147+84.95	148+15.02	RT	MULLANPHY			24.6	CONCRETE ENTRANCE
19	148+27.69	148+55.81	RT	MULLANPHY			27.6	CONCRETE ENTRANCE
19	149+45.05		RT	MULLANPHY	1			STOP FOR PEDESTRIAN SIGN, NO PARKING SIGN, & POST
19-20	150+86.41	151+04.26	RT	MULLANPHY			12.8	CONCRETE ENTRANCE
20	151+09.99	151+69.43	LT	MULLANPHY			25.6	SIDEWALK
20	151+14.99	152+79.22	LT	MULLANPHY			82.7	PAVEMENT
20	151+26.18	151+55.71	RT	MULLANPHY			23.9	CONCRETE ENTRANCE
20	151+55.75	152+29.75	LT	MULLANPHY			146.7	FLORISSANT PARK DRIVE ENTRANCE
20	151+84.68		RT	MULLANPHY	1			SIGN POST
20	151+86.96	152+99.35	RT	MULLANPHY			51.1	SIDEWALK
20	151+94.06	152+23.69	RT	MULLANPHY			23.5	CONCRETE ENTRANCE
20	152+15.12	153+03.94	LT	MULLANPHY			37.9	SIDEWALK
20	152+81.99	152+99.29	LT	MULLANPHY			11.0	CONCRETE ENTRANCE
20	153+35.82		RT	MULLANPHY	1			STOP SIGN & POST
20	153+36.76	154+18.09	RT	MULLANPHY			41.7	SIDEWALK
20	154+13.13	154+31.16	RT	MULLANPHY			19.7	CONCRETE ENTRANCE
20	154+27.78	154+44.26	RT	MULLANPHY			6.9	SIDEWALK
20	154+14.18	154+59.81	RT	MULLANPHY			25.3	CONCRETE ENTRANCE
20	154+53.74	155+99.16	RT	MULLANPHY			71.9	SIDEWALK
20	154+99.18	155+28.87	RT	MULLANPHY			22.7	CONCRETE ENTRANCE
20	156+00.78		LT	MULLANPHY	1			METRO BUS SIGN & POST
20	156+35.64		RT	MULLANPHY	1			STOP SIGN & POST
20	156+36.58	158+20.95	RT	MULLANPHY			79.9	SIDEWALK
20	156+44.09		LT	MULLANPHY	1			SPEED LIMIT SIGN & POST

202-22.10 REMOVAL OF IMPROVEMENTS 1 LUMP SUM

LISTING OF ITEM REMOVALS IS FOR INFORMATION ONLY AND IS NOT ASSUMED TO BE ALL ENCOMPASSING. ALL REMOVALS ARE INCLUDED IN THE LUMP SUM QUANTITY FOR REMOVAL OF IMPROVEMENTS.

TYPE 5 AGGREGATE BASE

DESCRIPTION	304-05.04 TYPE 5 AGGREGATE BASE (4 IN. THICK) SY	REMARKS
FOR CONCRETE PAVEMENT	316	SEE CONCRETE PAVEMENT TABLE
FOR CONCRETE ENTRANCES	114.6	SEE ENTRANCES TABLE
SUBTOTAL	430.6	
PAY TOTAL	431	

201-20.10	CLEARING AND GRUBBING	1 LUMP SUM
201-20.11	CLEARING VEGETATION FROM PEDESTRIAN ACCESS ROUTE	1 LUMP SUM
619-00.00	MOBILIZATION	1 LUMP SUM
627-40.00	CONTRACTOR FURNISHED SURVEYING & STAKING	1 LUMP SUM
612-30.15	TEMPORARY TRAFFIC CONTROL	1 LUMP SUM
622-10.00	TEMPORARY PAVEMENT MARKING PAINT	1 LUMP SUM
805-40.00	SITE RESTORATION (ROADWAY PROJECTS)	1 LUMP SUM

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

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Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

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ANDREA S. DAVIS
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MULLANPHY ROAD RESURFACING

QUANTITIES (SHEET 2 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 6 OF 97

4/21/2026 1:53:44 PM \\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-05-13-Quantities.dgn

UTILITY ADJUSTMENTS

SHEET	STA.	OFF.	SIDE	ROUTE	WATER VALVE ADJUST TO GRADE BY OTHERS EA	WATER METER ADJUST TO GRADE BY OTHERS EA	604-20.30 ADJUSTING MANHOLE TO GRADE SANITARY EA	604-20.30 ADJUSTING MANHOLE TO GRADE STORM EA	604-20.26 ADJUST GRATE INLET TO GRADE EA	604-20.20 ADJUSTING BASIN OR INLET EA	GAS VALVE ADJUST TO GRADE BY OTHERS EA	REMARKS
15	107+32.03	13.8	LT	MULLANPHY	1							
15	108+04.97	13.5	LT	MULLANPHY	1							
15	108+09.63	20.4	LT	MULLANPHY				1				07K2-006D
15	108+45.51	11.2	LT	MULLANPHY		1						
15	110+10.57	0.0	LT	MULLANPHY			1					07K2-006D
15	110+11.54	15.1	LT	MULLANPHY	1							
15	110+33.41	9.6	LT	MULLANPHY	1							
16	114+23.88	15.2	LT	MULLANPHY					1			07K2-007D
16	114+34.04	12.5	LT	MULLANPHY	1							
16	114+55.83	11.5	LT	MULLANPHY	1				1			
16	117+69.13	15.8	RT	MULLANPHY					1			07K2-040D
16	117+69.25	20.9	RT	MULLANPHY				1				07K2-042D
16	117+86.90	39.6	LT	MULLANPHY						1		07K2-045D
16	117+88.24	11.4	LT	MULLANPHY	1							
16	118+13.69	28.6	LT	MULLANPHY				1				07K2-043D
16	118+19.09	41.1	LT	MULLANPHY						1		07K2-046D
16	118+21.09	13.0	RT	MULLANPHY							1	
16	118+25.00	14.5	LT	MULLANPHY		1						
16	118+63.80	19.9	RT	MULLANPHY							1	
16	118+63.95	20.6	RT	MULLANPHY							1	
16	119+98.70	20.8	RT	MULLANPHY		1						
16	120+19.68	15.2	LT	MULLANPHY					1			07K2-049D
16	120+31.80	14.6	RT	MULLANPHY					1			07K2-041D
16	120+57.40	19.3	RT	MULLANPHY		1						
17	121+27.89	16.7	RT	MULLANPHY		1						
17	121+81.74	19.5	RT	MULLANPHY		1						
17	122+70.65	18.4	RT	MULLANPHY		1						
17	124+87.74	16.0	RT	MULLANPHY					1			07K2-063D
17	125+30.48	19.5	RT	MULLANPHY		1						
17	126+71.66	16.3	LT	MULLANPHY	1							
17	127+34.34	20.2	RT	MULLANPHY							1	
17	127+68.37	20.0	RT	MULLANPHY							1	
17	127+85.46	23.6	RT	MULLANPHY		1						
17	128+12.14	15.6	RT	MULLANPHY					1			07K2-143D
17	128+12.54	16.8	LT	MULLANPHY					1			07K2-144D
17	128+57.75	22.5	RT	MULLANPHY		1						
17	129+22.15	22.1	RT	MULLANPHY		1						
17	129+80.37	19.7	RT	MULLANPHY							1	
17	129+87.66	22.5	RT	MULLANPHY		1						
17	130+52.10	22.5	RT	MULLANPHY		1						
18	131+11.58	22.9	RT	MULLANPHY		1						
18	131+46.90	12.0	LT	MULLANPHY	1							
18	131+49.42	10.3	LT	MULLANPHY	1							
18	131+78.13	22.4	RT	MULLANPHY		1						
18	131+90.59	22.0	RT	MULLANPHY			1					07K2-155S
18	132+11.76	15.5	RT	MULLANPHY					1			07K2-196D
18	132+22.90	19.7	RT	MULLANPHY							1	
18	133+32.67	22.9	RT	MULLANPHY			1					07K2-156S
18	133+38.14	10.4	LT	MULLANPHY	1							
18	134+00.60	15.0	RT	MULLANPHY					1			07K2-193D
18	134+40.23	23.7	RT	MULLANPHY		1						
18	134+52.97	12.5	LT	MULLANPHY	1							
18	134+73.99	22.6	LT	MULLANPHY			1					07K2-113S
18	134+91.67	25.2	LT	MULLANPHY							1	
18	135+76.30	23.4	RT	MULLANPHY		1						
18	137+44.60	24.6	RT	MULLANPHY		1						
18	139+31.43	15.3	RT	MULLANPHY					1			07K2-277D
18	139+53.67	13.6	LT	MULLANPHY	1							
18	139+61.89	16.4	LT	MULLANPHY	1							
18	139+63.15	39.0	LT	MULLANPHY						1		07K2-1475D (REPLACE INLET TOP)
18	139+79.83	22.7	LT	MULLANPHY			1					07K2-092S
18	139+95.18	47.4	LT	MULLANPHY						1		07K2-174D
18	140+46.92	21.5	LT	MULLANPHY		1						
19	141+22.94	22.7	RT	MULLANPHY		1						
19	141+40.80	19.7	RT	MULLANPHY			1					07K2-094S
19	141+59.91	15.0	LT	MULLANPHY					1			07K2-168D
19	141+68.22	22.3	RT	MULLANPHY		1						
19	142+72.43	22.2	RT	MULLANPHY		1						
19	143+25.36	22.4	RT	MULLANPHY		1						
19	144+25.31	22.2	RT	MULLANPHY		1						
19	144+68.98	22.4	RT	MULLANPHY		1						
19	145+55.84	22.3	RT	MULLANPHY		1						
19	145+68.53	19.7	RT	MULLANPHY			1					07K2-098S
19	146+18.32	12.6	LT	MULLANPHY	1							
19	146+23.26	23.0	RT	MULLANPHY		1						
				SUBTOTAL A	15	27	7	3	12	4	8	

COUNTY PROJECT NO. 2302483

FEDERAL PROJECT NO. STP-4901(650)

E-W GATEWAY TIP NO. 7181-23, 7236-23

MSD: 24MSD-00286

MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY: I hereby certify that the documents intended to be authorized by my seal are limited to the sheet, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI — ANDREA S. DAVIS PE-2018021250 — PROFESSIONAL ENGINEER

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MO PE-2018021250

DATE: 4/21/2026

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ANDREA S. DAVIS, PROFESSIONAL ENGINEER, LICENSE NO. 2018021250

St. Ferdinand de Pleurissant 1786 — Est. — City of Florissant

MULLANPHY ROAD RESURFACING

QUANTITIES (SHEET 3 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 7 OF 97

UTILITY ADJUSTMENTS (CONTINUED)

SHEET	STA.	OFF.	SIDE	ROUTE	WATER VALVE ADJUST TO GRADE BY OTHERS EA	WATER METER ADJUST TO GRADE BY OTHERS EA	604-20.30 ADJUSTING MANHOLE TO GRADE SANITARY EA	604-20.30 ADJUSTING MANHOLE TO GRADE STORM EA	604-20.26 ADJUST GRATE INLET TO GRADE EA	604-20.20 ADJUSTING BASIN OR INLET EA	GAS VALVE ADJUST TO GRADE BY OTHERS EA	REMARKS
19	146+38.59	11.1	LT	MULLANPHY	1							
19	147+16.82	23.4	RT	MULLANPHY		1						
19	147+73.45	23.1	RT	MULLANPHY		1						
19	148+25.11	15.3	LT	MULLANPHY					1			07K3-010D
19	148+25.51	14.8	RT	MULLANPHY					1			07K3-011D
19	148+67.57	18.4	RT	MULLANPHY							1	
19	149+08.44	18.2	RT	MULLANPHY							1	
19	149+97.00	21.2	RT	MULLANPHY			1					07K4-032S
20	151+15.12	19.7	LT	MULLANPHY		1						
20	151+76.60	12.5	LT	MULLANPHY	1							
20	151+80.56	11.2	LT	MULLANPHY	1							
20	151+93.75	23.5	LT	MULLANPHY			1					07J4-030S
20	153+03.43	9.7	LT	MULLANPHY	1							
				SUBTOTAL B	4	3	2	0	2	0	2	
				SUBTOTAL A	15	27	7	3	12	4	8	
				PAY TOTAL	*	*	12		14	4	*	

* FOR INFORMATIONAL PURPOSES ONLY

ASPHALT PAVEMENT

SHEET	STATION	STATION	ROUTE	SIDE	AREA SY	405-30.10 TYPE "C" BITUMINOUS CONCRETE (PAVEMENT) (1.948 TONS/CY TON	407-10.10 TACK-LIQUID ASPHALT (0.10GAL/SY) GAL	412-10.02 PAVEMENT SURFACING AND TEXTURING (0" TO 2"), CONCRETE OR ASPHALT SY	REMARKS
15	106+91.07	111+00.00	MULLANPHY	BOTH	1410.4	229.0	141.0	1410.4	
15	107+92.89	108+57.42	MULLANPHY	LT	102.7	16.7	10.3	102.7	MULLAN DRIVE
15	109+68.26	110+55.76	MULLANPHY	RT	79.1	12.8	7.9	79.1	ASPEN DRIVE (SOUTH)
16	111+00.00	116+00.00	MULLANPHY	BOTH	1713.6	278.2	171.4	1713.6	
16	116+00.00	121+00.00	MULLANPHY	BOTH	1602.0	260.1	160.2	1602.0	
16	117+59.05	118+48.15	MULLANPHY	RT	133.9	21.7	13.4	133.9	LOVELAND DRIVE (SOUTH)
16	117+71.40	118+36.45	MULLANPHY	LT	80.0	13.0	8.0	80.0	LOVELAND DRIVE (NORTH)
17	121+00.00	126+00.00	MULLANPHY	BOTH	1718.6	279.0	171.9	1718.6	
17	126+00.00	131+00.00	MULLANPHY	BOTH	1714.0	278.2	171.4	1714.0	
17	126+70.64	127+57.47	MULLANPHY	RT	81.0	13.1	8.1	81.0	GREELEY DRIVE
18	131+00.00	136+00.00	MULLANPHY	BOTH	1721.7	279.5	172.2	1721.7	
18	133+19.48	134+10.96	MULLANPHY	RT	82.5	13.4	8.3	82.5	ASPEN DRIVE (SOUTH)
18	134+30.20	135+17.25	MULLANPHY	LT	99.9	16.2	10.0	99.9	FERNBROOK LANE
18	136+00.00	141+00.00	MULLANPHY	BOTH	1632.9	265.1	163.3	1632.9	
18	139+22.36	104+08.18	MULLANPHY	RT	78.2	12.7	7.8	78.2	TYSON DRIVE (SOUTH)
19	141+00.00	146+00.00	MULLANPHY	BOTH	1718.8	279.0	171.9	1718.8	
19	146+00.00	151+00.00	MULLANPHY	BOTH	1718.8	279.0	171.9	1718.8	
19	149+52.11	150+42.82	MULLANPHY	RT	77.9	12.6	7.8	77.9	FLORISSANT PARK DRIVE (SOUTH)
20	151+00.00	154+84.38	MULLANPHY	BOTH	1221.6	198.3	122.2	1221.6	
20	152+75.55	153+63.23	MULLANPHY	RT	107.6	17.5	10.8	107.6	VESPER DRIVE
				SUBTOTAL		2775.1	1709.8	17095.2	
				SUBTOTAL		1.7			SEE ENTRANCE TABLE
				PAY TOTAL		2776.8	1710	17095	

CONCRETE PAVEMENT

SHEET	STATION	STATION	ROUTE	SIDE	AREA SY	304-05.04 TYPE 5 AGGREGATE BASE (4" THICK" SY	502-11.07 CONCRETE PAVEMENT (7" NON-REINFORCED) SY	REMARKS
18	131+31.38	132+09.33	MULLANPHY	LT	47.1	47.1	47.1	ASPEN DRIVE (NORTH)
18	139+46.73	140+12.73	MULLANPHY	LT	136.5	136.5	136.5	TYSON DRIVE (NORTH)
20	151+60.96	152+26.96	MULLANPHY	LT	132.4	132.4	132.4	FLORISSANT PARK DRIVE (NORTH)
					SUBTOTAL	316.0	316.0	
					PAY TOTAL	(1)	316.0	

(1)SEE AGGREGATE TABLE FOR PAY TOTAL

PAVEMENT REPAIRS

SHEET	STATION	STATION	ROUTE	SIDE	405-30.25 ASPHALT PAVEMENT REPAIR, (FULL DEPTH) SY	REMARKS
15	107+92.00	107+96.00	MULLANPHY	RT	4.0	6' X 6'
15	109+18.26	109+68.26	MULLANPHY	RT	33.3	6' X 50'
16	111+98.58	112+48.59	MULLANPHY	RT	33.3	6' X 50'
16	114+31.87	114+49.72	MULLANPHY	RT	11.3	6' X 17'
17	122+93.58	123+58.58	MULLANPHY	RT	43.3	6' X 65'
17	123+30.33	123+50.33	MULLANPHY	LT/RT	13.3	6' X 20'
17	124+73.93	125+13.93	MULLANPHY	RT	26.7	6' X 40'
17	126+15.00	126+40.00	MULLANPHY	RT	16.7	6' X 25'
17	126+67.44	127+14.44	MULLANPHY	LT	33.3	6' X 50'
17	128+31.79	128+61.79	MULLANPHY	RT	20.0	6' X 30'
18	132+95.52	133+45.52	MULLANPHY	LT/RT	33.3	6' X 50'
18	134+83.54	135+08.54	MULLANPHY	RT	16.7	6' X 25'
18	139+33.90	139+58.90	MULLANPHY	RT	16.7	6' X 25'
19	145+15.14	145+40.14	MULLANPHY	RT	16.7	6' X 25'
19	148+27.91	148+64.91	MULLANPHY	RT	24.7	6' X 37'
19	149+59.74	149+84.74	MULLANPHY	RT	16.7	6' X 25'
19	150+22.80	150+42.80	MULLANPHY	RT	13.3	6' X 20'
20	151+93.86	152+83.86	MULLANPHY	RT	60.0	6' X 90'
				SUBTOTAL	433.3	10% CONTINGENCY ADDED
				PAY TOTAL	476.6	

NOTE: FINAL SIZE AND LOCATION OF FULL-DEPTH PAVEMENT REPAIR SHALL BE CONFIRMED BY THE ENGINEER.

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY: I have prepared the documents intended to be authorized by my seal are limited to the work, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S. Davis
06/11/2026 3:49:42 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 6/11/2026

PREPARED BY:
HRGreen
HRGreen.com
520 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

QUANTITIES (SHEET 4 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 8 OF 97

6/11/2026 1:03:24 PM \\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-05-13-Quantities.dgn

ENTRANCES

SHEET	STATION	SIDE	ROUTE	304-05.04 TYPE 5 AGGREGATE BASE (4" THICK) SY	405-30.10 TYPE "C" BITUMINOUS CONCRETE (PAVEMENT) 1.948 TON/CY TON	405-30.30 TYPE "X" BITUMINOUS CONCRETE (BASE) 1.943 TON/CY TON	502-11.06 CONCRETE PAVEMENT (6" NON-REINFORCED) SY	608-50.06 PAVED DRIVEWAY APPROACH (6" THICK) SY	REMARKS
16	118+71.40	LT	MULLANPHY				1.0	21.8	1395 MULLANPHY RD
16	119+58.17	RT	MULLANPHY				2.1	20.0	1360 MULLANPHY RD
16	119+76.85	RT	MULLANPHY				2.0	18.7	1340 MULLANPHY RD
16	120+84.91	RT	MULLANPHY				3.9	11.3	1320 MULLNAPHY RD
17	121+11.03	RT	MULLANPHY				4.4	11.3	1310 MULLANPHY RD
17	122+18.53	RT	MULLANPHY				19.1	13.6	1300 MULLANPHY RD
17	122+43.39	RT	MULLANPHY				9.2	8.4	1290 MULLANPHY RD
17	123+49.39	RT	MULLANPHY				4.5	23.2	1280 MULLANPHY RD
17	123+67.68	RT	MULLANPHY	22.4	0.47	0.94		18.1	1270 MULLANPHY RD
17	124+74.70	RT	MULLANPHY	12.2	0.15	0.31		10.8	1260 MULLANPHY RD
17	125+02.70	RT	MULLANPHY				3.4	11.0	1240 MULLANPHY RD
17	126+08.33	RT	MULLANPHY				1.8	18.3	1220 MULLANPHY RD
17	128+22.89	RT	MULLANPHY				7.7	20.4	1140 MULLANPHY RD
17	128+89.34	RT	MULLANPHY				1.0	11.1	1130 MULLANPHY RD
17	129+58.15	RT	MULLANPHY				1.8	18.2	1120 MULLANPHY RD
17	130+17.22	RT	MULLANPHY				2.2	17.9	1100 MULLANPHY RD
17	130+81.59	RT	MULLANPHY				10.2	21.3	1080 MULLANPHY RD
18	131+49.51	RT	MULLANPHY				1.1	11.7	1070 MULLANPHY RD
18	132+57.80	RT	MULLANPHY	21.1	0.21	0.42		19.1	1060 MULLANPHY RD
18	134+83.65	RT	MULLANPHY				6.2	18.2	1000 MULLANPHY RD
18	135+38.86	RT	MULLANPHY				1.2	11.9	950 MULLANPHY RD
18	136+95.02	RT	MULLANPHY	22.9	0.25	0.51		20.5	920 MULLANPHY RD
18	138+69.06	RT	MULLANPHY	13.3	0.12	0.25		12.2	900 MULLANPHY RD
18	140+89.85	RT	MULLANPHY				1.9	22.4	860 MULLANPHY RD
19	141+94.57	RT	MULLANPHY				1.2	11.9	850 MULLANPHY RD
19	142+41.79	RT	MULLANPHY				2.0	18.7	830 MULLANPHY RD
19	143+49.32	RT	MULLANPHY				4.4	21.0	820 MULLANPHY RD
19	143+90.55	RT	MULLANPHY				2.4	22.4	800 MULLANPHY RD
19	144+98.99	RT	MULLANPHY				2.2	20.8	790 MULLANPHY RD
19	145+40.91	RT	MULLANPHY				2.1	19.3	770 MULLANPHY RD
19	146+47.89	RT	MULLANPHY				9.5	18.6	760 MULLANPHY RD
19	146+91.21	RT	MULLANPHY				19.8	19.5	740 MULLANPHY RD
19	147+99.70	RT	MULLANPHY	22.7	0.49	0.98		18.2	730 MULLANPHY RD
19	148+41.69	RT	MULLANPHY				6.5	18.7	720 MULLANPHY RD
19	150+95.39	RT	MULLANPHY				1.2	10.5	680 MULLANPHY RD
20	151+41.64	RT	MULLANPHY				2.2	20.7	680 MULLANPHY RD
20	152+08.99	RT	MULLANPHY				2.2	20.3	650 MULLANPHY RD
20	152+89.85	LT	MULLANPHY				0.9	10.2	635 MULLANPHY RD
20	154+22.92	RT	MULLANPHY				8.8	10.9	610 MULLANPHY RD
20	154+49.26	RT	MULLANPHY				13.9	11.3	580 MULLANPHY RD
20	155+12.65	RT	MULLANPHY				1.1	21.5	550 MULLANPHY RD
			SUBTOTAL	114.6	1.69	3.41	165.1	685.9	
			PAY TOTAL	(1)	(2)	3.4	165.1	685.9	

(1) SEE AGGREGATE TABLE FOR PAY TOTAL

(2) SEE ASPHALT PAVEMENT TABLE FOR PAY TOTAL

CONCRETE CURB

SHEET	STATION	STATION	SIDE	ROUTE	609-10.10 CONCRETE CURB, TYPE "S" LF	609-20.11 INTEGRAL CURB (6" HEIGHT AND UNDER) LF	REMARKS
16	117+10.03	117+15.19	LT	MULLANPHY	6.9		
16	117+19.19	117+50.90	LT	MULLANPHY	34.9		
16	117+56.90	117+70.45	LT	MULLANPHY	13.6		
16	117+56.90	117+79.08	RT	MULLANPHY	23.5		
16	299+50.00	299+57.67	LT	LOVELAND		8.1	ROLLED CURB
16	299+50.00	299+59.12	RT	LOVELAND		9.6	ROLLED CURB
16	299+60.93	299+71.00	LT	LOVELAND		9.5	ROLLED CURB
16	299+62.81	299+71.00	RT	LOVELAND		8.8	ROLLED CURB
16	299+76.00	299+50.00	LT	LOVELAND		26.1	ROLLED CURB
16	299+76.00	299+50.00	RT	LOVELAND		26.1	ROLLED CURB
16	118+26.93	118+35.95	RT	MULLANPHY	10.4		
16	118+41.45	118+60.93	LT	MULLANPHY	19.5		
16	118+81.86	119+17.39	LT	MULLANPHY	36.4		
16	120+95.93	121+00.00	RT	MULLANPHY	4.0		
17	124+84.52	124+92.76	RT	MULLANPHY	8.2		
17	125+63.57	125+88.57	LT	MULLANPHY	25.0		
17	126+68.13	126+85.10	RT	MULLANPHY	17.6		
17	129+68.54	129+83.54	LT	MULLANPHY	15.0		
17	129+99.75	130+24.75	LT	MULLANPHY	25.0		
18	131+13.62	131+38.17	RT	MULLANPHY	24.6		
18	131+13.62	131+35.51	LT	MULLANPHY	21.9		
18	499+61.78	499+70.92	RT	ASPEN		9.4	ROLLED CURB
18	499+61.91	499+71.08	LT	ASPEN		10.3	ROLLED CURB
18	499+75.90	499+82.99	LT	ASPEN		18.5	ROLLED CURB
18	499+76.09	499+81.55	RT	ASPEN		10.1	ROLLED CURB
18	134+98.28	135+27.38	RT	MULLANPHY	29.1		
18	138+91.76	138+94.07	LT	MULLANPHY	2.5		
18	138+97.30	139+46.73	LT	MULLANPHY	50.4		
18	899+49.11	899+50.11	LT	TYSON		1.3	ROLLED CURB
18	899+49.11	899+60.48	RT	TYSON		12.1	ROLLED CURB
18	899+55.01	899+75.94	LT	TYSON		21.3	ROLLED CURB
18	899+65.14	899+76.06	RT	TYSON		12.1	ROLLED CURB
18	899+80.93	899+90.35	LT	TYSON		21.4	ROLLED CURB
18	899+81.07	899+90.64	RT	TYSON		20.6	ROLLED CURB
18	139+96.39	140+13.58	RT	MULLANPHY	17.8		
18	140+19.58	140+58.06	LT	MULLANPHY	39.3		
19	142+06.05	142+26.71	RT	MULLANPHY	20.7		
19	143+65.55	143+73.63	RT	MULLANPHY	8.1		
19	145+15.14	145+25.41	RT	MULLANPHY	10.3		
19	146+62.93	146+75.63	RT	MULLANPHY	12.7		
19	148+15.66	148+26.63	RT	MULLANPHY	11.0		
19	148+57.19	148+64.44	RT	MULLANPHY	7.3		
20	151+06.19	151+25.46	RT	MULLANPHY	19.3		
20	151+14.99	151+70.96	LT	MULLANPHY	46.7		
20	1099+49.93	1099+75.92	LT	FLORISSANT PARK		26.1	ROLLED CURB
20	1099+50.06	1099+76.07	RT	FLORISSANT PARK		26.1	ROLLED CURB
20	1099+80.91	1099+90.32	LT	FLORISSANT PARK		20.6	ROLLED CURB
20	1099+81.08	1099+90.67	RT	FLORISSANT PARK		20.6	ROLLED CURB
20	152+25.15	152+49.02	RT	MULLANPHY	23.9		
20	126+26.96	152+38.52	RT	MULLANPHY	13.4		
20	152+44.52	152+81.04	LT	MULLANPHY	37.1		
20	1200+23.84	1200+37.31	RT	VESPER	16.2		
20	154+34.00	154+38.02	RT	MULLANPHY	4.0		
20	154+59.74	154+96.58	RT	MULLANPHY	36.9		
				SUBTOTAL	693.2	318.7	
				PAY TOTAL	693	319	

COUNTY PROJECT NO. 2302483

FEDERAL PROJECT NO. STP-4901(650)

E-W GATEWAY TIP NO. 7181-23, 7236-23

MSD: 24MSD-00286

MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY: I hereby state that the documents intended to be authorized by my seal are limited to the work, and I hereby disclaim any responsibility for all other Documents, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI — ANDREA S. DAVIS PE-2018021250 — PROFESSIONAL ENGINEER

Andrea S. Davis 04/21/2026 4:10:32 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY: HRGreen — 320 MARKVIE, ST. CHARLES, MO 63301 — 636.724.4644

ANDREA S. DAVIS PROFESSIONAL ENGINEER LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

QUANTITIES (SHEET 5 OF 9)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 9 OF 97

SIDEWALK, ADA & MEDIAN

SHEET	STATION	STATION	SIDE	ROUTE	608-60.04 CONRETE SIDEWALK (4" THICK) SY	608-60.08 CONCRETE SIDEWALK, CURB RAMP EACH	TRUNCATED DOMES FOR CURB RAMPS SF	REMARKS
15	107+81.92	108+10.16	LT	MULLANPHY		1	10.0	CURB RAMP 1 - 22.6 SY
15	108+39.97	108+63.67	LT	MULLANPHY		1	10.0	CURB RAMP 2 - 20.4 SY
15	108+62.15	108+87.15	RT	MULLANPHY		1	10.0	CURB RAMP 3 - 17.5 SY
15	108+63.67	108+87.15	LT	MULLANPHY		1	10.0	CURB RAMP 2A - 16.8 SY
15	109+63.00	109+87.55	RT	MULLANPHY		1	20.8	CURB RAMP 4 - 12.9 SY
15	110+33.76	110+58.82	RT	MULLANPHY		1	20.0	CURB RAMP 5 - 13.2 SY
16	117+11.40	117+46.40	LT	MULLANPHY	19.1			
16	117+39.90	117+64.03	RT	MULLANPHY		1	10.0	CURB RAMP 8 - 18.5 SY
16	117+46.40	117+66.40	LT	MULLANPHY		1	10.0	CURB RAMP 6 - 19.6 SY
16	117+64.03	117+83.55	RT	MULLANPHY		1	10.0	CURB RAMP 8A - 11.3 SY
16	117+66.40	117+90.44	LT	MULLANPHY		1	10.0	CURB RAMP 6A - 22.8 SY
16	118+16.45	118+32.70	LT	MULLANPHY		1	10.0	CURB RAMP 7 - 18.4 SY
16	118+22.49	118+49.01	RT	MULLANPHY		1	10.0	CURB RAMP 9 - 19.5 SY
16	118+32.70	118+46.45	LT	MULLANPHY		1	10.0	CURB RAMP 7A - 16.1 SY
16	118+46.45	118+66.47	LT	MULLANPHY	11.3			
16	118+49.01	119+48.52	RT	MULLANPHY	55.4			
16	118+76.05	118+86.05	LT	MULLANPHY	5.2			
16	119+85.86	120+80.14	RT	MULLANPHY	52.4			
16	120+89.69	121+06.22	RT	MULLANPHY	9.2			
17	121+15.83	122+10.06	RT	MULLANPHY	61.1			
17	122+26.85	122+38.74	RT	MULLANPHY	6.4			
17	122+48.04	122+40.33	RT	MULLANPHY	51.9			
17	123+76.12	124+70.07	RT	MULLANPHY	52.2			
17	124+79.32	124+97.96	RT	MULLANPHY	10.4			
17	125+07.44	126+00.08	RT	MULLANPHY	51.5			
17	126+16.58	126+56.13	RT	MULLANPHY	22.0			
17	126+52.59	126+77.59	LT	MULLANPHY		1	10.0	CURB RAMP 10 - 18.7 SY
17	126+56.13	126+73.23	RT	MULLANPHY		1	10.0	CURB RAMP 11 - 13.3 SY
17	126+73.23	126+91.85	RT	MULLANPHY		1	18.9	CURB RAMP 11A - 9.8 SY
17	127+37.68	127+57.56	RT	MULLANPHY		1	20.2	CURB RAMP 12 - 10.7 SY
17	127+57.56	128+13.60	RT	MULLANPHY	31.1			
17	128+31.79	128+84.83	RT	MULLANPHY	29.5			
17	128+93.86	129+49.97	RT	MULLANPHY	31.2			
17	129+66.34	130+07.95	RT	MULLANPHY	23.1			
17	130+23.79	130+71.94	RT	MULLANPHY	26.7			
17	130+91.25	131+12.12	RT	MULLANPHY	11.6			
18	131+08.62	131+28.62	LT	MULLANPHY		1	10.0	CURB RAMP 13 - 15.9 SY
18	131+12.12	131+30.12	RT	MULLANPHY		1	10.0	CURB RAMP 15 - 13.9 SY
18	131+28.62	131+50.81	LT	MULLANPHY		1	10.0	CURB RAMP 13A - 27.9 SY
18	131+30.12	131+44.65	RT	MULLANPHY	8.1			
18	131+54.36	132+49.01	RT	MULLANPHY	52.6			
18	131+88.68	132+05.63	LT	MULLANPHY		1	10.0	CURB RAMP 14 - 8.8 SY
18	132+66.58	133+20.34	RT	MULLANPHY	29.9			
18	133+20.34	133+41.43	RT	MULLANPHY		1	21.8	CURB RAMP 16 - 11.3 SY
18	133+88.02	134+08.47	RT	MULLANPHY		1	21.8	CURB RAMP 17 - 11.0 SY
18	134+08.47	134+75.49	RT	MULLANPHY	37.2			
18	134+23.54	134+46.10	LT	MULLANPHY		1	17.0	CURB RAMP 18 - 11.6 SY
18	134+91.81	135+33.80	RT	MULLANPHY	23.3			
18	134+94.04	135+18.90	LT	MULLANPHY		1	22.5	CURB RAMP 19 - 13.1 SY
18	135+43.93	136+85.65	RT	MULLANPHY	708.6			
18	137+04.38	138+63.88	RT	MULLANPHY	88.6			
18	138+74.23	139+23.33	RT	MULLANPHY	27.3			
18	138+89.21	139+54.94	LT	MULLANPHY	324.7			
18	139+23.33	139+43.64	RT	MULLANPHY		1	19.8	CURB RAMP 22 - 10.9 SY
18	139+54.94	139+65.96	LT	MULLANPHY		1	10.0	CURB RAMP 20 - 6.5 SY
18	139+89.83	140+08.42	RT	MULLANPHY		1	19.0	CURB RAMP 23 - 9.8 SY
18	139+93.51	140+08.30	LT	MULLANPHY		1	10.0	CURB RAMP 21 - 8.4 SY
18	140+08.30	140+24.08	LT	MULLANPHY		1	10.0	CURB RAMP 21A - 14.5 SY
18	140+08.42	140+25.58	RT	MULLANPHY		1	10.0	CURB RAMP 23A - 13.1 SY
18	140+24.08	140+63.00	LT	MULLANPHY	21.3			
18	140+25.58	140+79.28	RT	MULLANPHY	29.8			
19	141+00.43	141+89.33	RT	MULLANPHY	49.4			
19	141+99.81	142+32.95	RT	MULLANPHY	18.4			
19	142+50.63	143+39.34	RT	MULLANPHY	49.3			
19	143+59.30	143+79.87	RT	MULLANPHY	11.4			
19	144+01.22	144+89.07	RT	MULLANPHY	48.8			
19	145+08.90	145+31.65	RT	MULLANPHY	12.6			
19	145+50.17	146+39.08	RT	MULLANPHY	49.4			
19	146+56.69	146+81.88	RT	MULLANPHY	14.0			
19	147+00.55	147+89.54	RT	MULLANPHY	49.2			
19	148+09.85	148+32.44	RT	MULLANPHY	12.3			
19	148+50.94	149+54.62	RT	MULLANPHY	57.6			
19	149+54.63	149+73.47	RT	MULLANPHY		1	19.7	CURB RAMP 24 - 10.0 SY
19	150+19.60	150+40.37	RT	MULLANPHY		1	20.0	CURB RAMP 25 - 11.2 SY
19	150+40.37	150+90.83	RT	MULLANPHY	28.0			
19	150+99.94	151+31.71	RT	MULLANPHY	17.6			
				SUBTOTAL A	2330.7	33	451.5	

SIDEWALK, ADA & MEDIAN (CONTINUED)

SHEET	STATION	STATION	SIDE	ROUTE	608-60.04 CONRETE SIDEWALK (4" THICK) SY	608-60.08 CONCRETE SIDEWALK, CURB RAMP EACH	TRUNCATED DOMES FOR CURB RAMPS SF	REMARKS
20	151+09.99	151+71.16	LT	MULLANPHY	33.7			
20	151+15.57	151+99.24	RT	MULLANPHY	26.5			
20	151+71.16	151+80.19	LT	MULLANPHY		1	10.0	CURB RAMP 26 - 5.2 SY
20	152+07.73	152+21.76	LT	MULLANPHY		1	10.0	CURB RAMP 27 - 8.0 SY
20	152+18.75	152+32.52	RT	MULLANPHY	7.7			
20	152+21.76	152+34.02	LT	MULLANPHY	6.8			
20	152+32.52	152+50.52	RT	MULLANPHY		1	10.0	CURB RAMP 28 - 13.6 SY
20	152+34.02	152+49.02	LT	MULLANPHY		1	10.0	CURB RAMP 27A - 14.0 SY
20	152+49.02	152+85.75	LT	MULLANPHY	20.4			
20	152+50.52	152+69.15	RT	MULLANPHY	10.3			
20	152+69.15	152+94.80	RT	MULLANPHY		1	18.5	CURB RAMP 29 - 20.5 SY
20	152+86.03	152+99.28	RT	MULLANPHY	12.7			
20	152+93.94	153+03.94	LT	MULLANPHY	5.3			
20	153+37.28	153+53.47	RT	MULLANPHY	13.8			
20	153+41.91	153+66.03	RT	MULLANPHY		1	20.9	CURB RAMP 30 - 18.8 SY
20	153+66.03	154+18.09	RT	MULLANPHY	28.9			
20	154+26.90	154+44.27	RT	MULLANPHY	9.2			
20	154+54.26	155+03.78	RT	MULLANPHY	27.5			
20	155+21.34	155+75.38	RT	MULLANPHY	30.7			
20	155+75.38	156+00.21	RT	MULLANPHY		1	17.3	CURB RAMP 31 - 28.3 SY
20	156+36.70	156+53.27	RT	MULLANPHY		1	15.8	CURB RAMP 32 - 18.1 SY
				SUBTOTAL B	233.5	8	112.5	
				SUBTOTAL A	2330.7	33	451.5	
				PAY TOTAL	2564.2	41	(1)	

(1) TRUNCATED DOMES FOR INFORMATIONAL ONLY. TRUNCATED DOMES ARE INCIDENTAL TO PAY ITEM 608-60.08 - CONCRETE SIDEWALK, CURB RAMP.

MODIFIED LINEAR GRADING CLASS 2

SHEET	STA.	STA.	ROUTE	SIDE	207-20.00 LINEAR GRADING CLASS 2 STA.	REMARKS
16	107+81.92	108+11.58	MULLANPHY	LT	0.3	AROUND CURB RAMP 1
16	108+38.79	108+87.15	MULLANPHY	LT	0.5	AROUND CURB RAMPS 2/2A
16	108+60.15	108+89.15	MULLANPHY	RT	0.3	AROUND CURB RAMP 3
16	109+62.16	109+90.84	MULLANPHY	RT	0.3	AROUND CURB RAMP 4
16	110+30.54	110+58.74	MULLANPHY	RT	0.3	AROUND CURB RAMP 5
17	117+10.03	117+90.45	MULLANPHY	LT	0.8	AT BUMPOUT AT LOVELAND/CURB RAMP 6/6A
17	117+39.90	117+86.09	MULLANPHY	RT	0.5	AROUND CURB RAMP 8/8A
17	118+16.08	119+17.39	MULLANPHY	LT	1.0	AT BUMPOUT AT LOVELAND/CURB RAMP 7/7A
17-18	118+20.08	126+95.04	MULLANPHY	RT	8.7	LOVELAND DR TO GREELEY DR
18	126+52.59	126+77.59	MULLANPHY	LT	0.3	AROUND CURB RAMP 10
18-19	127+34.16	133+44.03	MULLANPHY	RT	6.1	GREELEY DR TO ASPEN DR SOUTH 2
19	131+08.62	131+52.55	MULLANPHY	LT	0.4	AROUND CURB RAMP 13/13A
19	131+84.29	132+09.34	MULLANPHY	LT	0.3	AROUND CURB RAMP 14
19	133+85.00	139+46.87	MULLANPHY	RT	5.6	ASPEN DR SOUTH 2 TO TYSON SOUTH
19	134+23.54	134+49.07	MULLANPHY	LT	0.3	AROUND CURB RAMP 18
19	134+91.04	135+21.26	MULLANPHY	LT	0.3	AROUND CURB RAMP 19
19	138+89.21	139+66.80	MULLANPHY	LT	0.8	AT BUMPOUT AT TYSON/CURB RAMP 20
19-20	139+86.32	149+76.53	MULLANPHY	RT	9.9	TYSON SOUTH TO FLORISSANT SOUTH
19	139+92.80	140+63.00	MULLANPHY	LT	0.7	AT BUMPOUT AT TYSON/CURB RAMP 21/21A
20-21	150+16.34	153+03.52	MULLANPHY	RT	2.9	FLORISSANT PARK SOUTH TO VESPER
21	151+09.99	151+81.06	MULLANPHY	LT	0.7	AT BUMPOUT AT FLORISSANT NORTH/CURB RAMP 26
21	152+07.05	153+03.94	MULLANPHY	LT	1.0	AT BUMPOUT AT FLORISSANT NORTH/CURB RAMP 27/27A
21	153+37.12	156+02.96	MULLANPHY	RT	2.7	VESPER TO ANGELUS
21	156+36.65	156+53.27	MULLANPHY	RT	0.2	ANGELUS TO PROJECT END
				SUBTOTAL	44.9	
				PAY TOTAL	44.9	

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby state that the documents intended to be authorized by my seal are limited to the sheet, and I hereby disclaim any responsibility for all other Documents, specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S. Davis
04/21/2026 4:10:35 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
HRGreen.com
320 MARKVIEW, ST. CHARLES PARKWAY, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.579.0900 FAX: 314.579.0909
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

QUANTITIES (SHEET 6 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 10 OF 97

SAWCUT

SHEET	STATION	STATION	ROUTE	SIDE	PARTIAL DEPTH SAWCUT LF	REMARKS
16	106+91.07		MULLANPHY	BOTH	32.3	ACROSS MULLANPHY RD
16	99+53.00		MULLAN	BOTH	24.8	ACROSS MULLAN DR
16	200+29.50		ASPEN S 1	BOTH	36.3	ACROSS ASPEN DR SOUTH
17	117+19.64	117+70.45	MULLANPHY	LT	51.8	ALONG BUMPOUT AT LOVELAND DR
17	299+50.00		LOVELAND	BOTH	25.3	ACROSS LOVELAND DR
17	299+50.00	299+91.50	LOVELAND	LT	53.8	ALONG LOVELAND DR
17	299+50.00	299+91.50	LOVELAND	RT	53.8	ALONG LOVELAND DR
17	300+29.27		LOVELAND	BOTH	36.2	ACROSS LOVELAND DR
17	118+36.45	119+17.02	MULLANPHY	LT	81.8	ALONG BUMPOUT AT LOVELAND DR
18	123+59.24	123+76.12	MULLANPHY	RT	16.9	1270 MULLANPHY ROAD
18	124+70.07	124+79.32	MULLANPHY	RT	9.3	1260 MULLANPHY ROAD
18	400+29.13		GREELEY	RT	36.7	ACROSS GREELEY DR
19	132+49.01	132+66.58	MULLANPHY	RT	17.6	1060 MULLANPHY ROAD
19	600+29.19		ASPEN S 2	BOTH	36.9	ACROSS ASPEN DR SOUTH
19	699+66.31		FERNBROOK	BOTH	32.8	ACROSS FERNBROOK LN
19	136+85.65	137+04.38	MULLANPHY	RT	18.7	920 MULLANPHY ROAD
19	138+63.89	138+74.23	MULLANPHY	RT	10.3	900 MULLANPHY ROAD
19	138+91.76	140+58.05	MULLANPHY	LT	168.1	ALONG BUMPOUT AT TYSON DR
19	800+29.52		TYSON SOUTH	BOTH	36.5	ACROSS TYSON DR SOUTH
20	147+89.54	148+09.85	MULLANPHY	RT	20.3	730 MULLANPHY ROAD
20	1000+29.58		FLORISSANT S	BOTH	36.2	ACROSS FLORISSANT PARK DR SOUTH
21	151+14.99	152+84.13	MULLANPHY	LT	170.5	ALONG BUMPOUT AT FLORISSANT PARK DR NORTH
21	1200+37.31		VESPER	BOTH	28.3	ACROSS VESPER DR
21	154+84.37		MULLANPHY	BOTH	28.6	ACROSS MULLANPHY RD
				SUBTOTAL	1063.8	
				PAY TOTAL	(1)	

(1) ALL PARTIAL DEPTH SAWCUTS ARE INCIDENTAL TO PAY ITEM 412-10.02 "PAVEMENT SURFACING AND TEXTURING (0" TO 2"), CONCRETE OR ASPHALT". ALL FULL DEPTH SAWCUTS ARE INCIDENTAL TO PAY ITEM 502-11.07 "CONCRETE PAVEMENT (7" NON-REINFORCED)". QUANTITY IS FOR INFORMATION ONLY.

DRAINAGE - STRUCTURES

PLAN SHEET NO.	STATION	OFFSET	SIDE	ROUTE	604-12.01 SINGLE CURB INLET, UNTRAPPED EA	604-25.40 CONVERT INLET TO MANHOLE AND ADJUST TO GRADE EA	REMARKS
16	117+17.20	21.91	LT	MULLANPHY	1		
16	117+68.13	21.69	LT	MULLANPHY		1	
18	138+95.72	18.23	LT	MULLANPHY	1		
18	139+30.96	18.1	LT	MULLANPHY		1	
				SUBTOTAL	2	2	
				PAY TOTAL	2	2	

RETAINING WALL

SHEET	STATION	STATION	SIDE	ROUTE	703-90.10 MODULAR BLOCK WALL (H<4') SF	REMARKS
17	121+30.83	122+03.73	RT	MULLANPHY	78.5	
				SUBTOTAL	78.5	
				PAY TOTAL	79	

PAVEMENT MARKING

SHEET	STATION	STATION	ROUTE	SIDE	620-60.00D 4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL TYPE P BEADS) LF	620-60.01D 4 IN. YELLOW CLASS 1 PAVEMENT MARKING PAINT (18-MIL TYPE P BEADS) LF	620-00.15 PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN., WHITE LF	REMARKS
15	106+91.08	108+00.00	MULLANPHY	RT		217.8		DOUBLE SOLID
15	106+91.74	108+00.00	MULLANPHY	LT	108.4			SOLID
15	108+00.00	116+94.90	MULLANPHY	RT		298.3		INTERMITTENT
15	108+69.65	108+79.65	MULLANPHY	RT/LT			30.0	PEDESTRIAN CROSSING
15	108+79.65	117+48.90	MULLANPHY	LT	869.3			SOLID
16	116+94.90	117+44.90	MULLANPHY	RT		100.0		DOUBLE SOLID
16	117+42.89	117+44.89	MULLANPHY	RT			11.0	STOP BAR
16	117+50.90	117+56.90	MULLANPHY	RT/LT			22.0	PEDESTRIAN CROSSING
16	117+90.89	118+03.44	MULLANPHY	LT			13.0	STOP BAR
16	118+03.53	118+18.37	MULLANPHY	RT			15.0	STOP BAR
16	118+33.95	118+43.95	MULLANPHY	RT/LT			22.0	PEDESTRIAN CROSSING
16	118+47.95	118+97.95	MULLANPHY	RT		100.0		DOUBLE SOLID
16	118+47.95	118+49.95	MULLANPHY	RT/LT			13.0	STOP BAR
16	118+97.95	153+95.02	MULLANPHY	RT		1165.7		INTERMITTENT
16	118+49.98	131+16.12	MULLANPHY	LT	1266.1			SOLID
17	126+60.13	126+70.13	MULLANPHY	RT/LT			26.0	PEDESTRIAN CROSSING
18	131+16.12	131+26.12	MULLANPHY	RT/LT			30.0	PEDESTRIAN CROSSING
18	132+18.73	134+30.20	MULLANPHY	LT	211.5			SOLID
18	135+17.25	139+46.73	MULLANPHY	LT	429.5			SOLID
18	140+11.58	140+21.58	MULLANPHY	RT/LT			22.0	PEDESTRIAN CROSSING
18	140+21.58	151+60.96	MULLANPHY	LT	1139.4			SOLID
20	152+36.55	152+46.55	MULLANPHY	RT/LT			13.0	PEDESTRIAN CROSSING
20	152+26.96	154+17.39	MULLANPHY	LT	190.4			SOLID
20	153+95.02	154+84.35	MULLANPHY	RT		178.7		SOLID
				SUBTOTAL	4214.6	2060.5	217.0	
				PAY TOTAL	4215	2061	217	

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY: I have reviewed the documents intended to be authorized by my seal are limited to the work, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI — ANDREA S. DAVIS — PE-2018021250 — PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:10:38 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY: HRGreen® 520 MARYVILLE CENTRE DRIVE, STE. 150, ST. LOUIS, MO 63141
ANDREA S. DAVIS PROFESSIONAL ENGINEER LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

QUANTITIES (SHEET 7 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 11 OF 97

4/21/2026 1:53:47 PM \\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-05-13-Quantities.dgn

PERMANENT SIGNING

SHEET	STATION	ROUTE	SIDE	MUTCD SIGN NUMBER	SIZE IN	903-50.04A SH - FLAT SHEET SF	903-12.50A U-CHANNEL POST, 3 LB LF	REMARKS
15	106+52.05	MULLANPHY	RT	W11-2/W16-9P	30" X 30"	8.3	13.5	PEDESTRIAN AND AHEAD
15	106+96.74	MULLANPHY	RT	R2-1	18" X 24"	3.0	13.0	SPEED LIMIT 25 & DESIGNATED DOUBLE FINE ZONE
15	107+70.81	MULLANPHY	RT	-	-	-	10.0	EXISTING "NO TRUCK TRAFFIC" ON NEW POST
15	108+09.87	MULLANPHY	LT	R1-1	30" X 30"	6.25	12.5	STOP AND STREET ID SIGNS
15	108+15.50	MULLANPHY	RT	-	-	-	10.0	EXISTING "STOP FOR PED." AND "LOUD MUSIC" ON NEW POST
15	108+69.66	MULLANPHY	RT	W11-2/W16-7P	30" X 30"	8.44	13.8	PEDESTRIAN AND DIAGONAL ARROW
15	108+80.19	MULLANPHY	LT	W11-2/W16-7P	30" X 30"	8.44	13.8	PEDESTRIAN AND DIAGONAL ARROW
15	110+33.75	MULLANPHY	RT	R1-1	30" X 30"	6.25	12.5	STOP AND STREET ID SIGNS
16	111+75.23	MULLANPHY	RT	R7-1D	12" X 18"	1.5	13.5	"SLOW CHILDREN PLAYING" AND "NO PARKING"
16	111+76.40	MULLANPHY	LT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
16	113+74.71	MULLANPHY	RT	R7-1D	12" X 18"	1.5	11.5	NO PARKING ANY TIME
16	114+72.57	MULLANPHY	RT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
16	114+77.24	MULLANPHY	LT	R2-1	18" X 24"	3	13.0	SPEED LIMIT 25 & DESIGNATED DOUBLE FINE ZONE
16	115+69.06	MULLANPHY	RT	R7-1D	12" X 18"	1.5	11.5	NO PARKING ANY TIME
16	117+45.80	MULLANPHY	RT	R1-1	30" X 30"	6.25	12.5	STOP
16	117+87.01	MULLANPHY	LT	R1-1	30" X 30"	6.25	12.5	STOP
16	118+47.25	MULLANPHY	LT	R1-1	30" X 30"	6.25	12.5	STOP
16	120+34.78	MULLANPHY	RT	R7-1D	12" X 18"	1.5	11.5	NO PARKING ANY TIME
17	121+38.06	MULLANPHY	LT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
17	123+02.06	MULLANPHY	RT	R7-1D	12" X 18"	1.5	11.5	NO PARKING ANY TIME
17	124+18.56	MULLANPHY	RT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
17	126+60.20	MULLANPHY	RT	W11-2/W16-7P	30" X 30"	8.44	13.8	PEDESTRIAN AND DIAGONAL ARROW
17	126+70.49	MULLANPHY	LT	W11-2/W16-7P	30" X 30"	8.44	13.8	PEDESTRIAN AND DIAGONAL ARROW
17	128+47.78	MULLANPHY	RT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
17	128+76.18	MULLANPHY	RT	R7-1D	12" X 18"	1.5	11.5	NO PARKING ANY TIME
17	129+03.55	MULLANPHY	LT	R2-1	18" X 24"	3	13.0	SPEED LIMIT 25 & DESIGNATED DOUBLE FINE ZONE
17	129+69.07	MULLANPHY	LT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
18	131+15.82	MULLANPHY	RT	W11-2/W16-7P	30" X 30"	8.44	13.8	PEDESTRIAN AND DIAGONAL ARROW
18	131+26.10	MULLANPHY	LT	W11-2/W16-7P	30" X 30"	8.44	13.8	PEDESTRIAN AND DIAGONAL ARROW
18	131+50.60	MULLANPHY	LT	R1-1	30" X 30"	6.25	12.5	STOP AND STREET ID SIGNS
18	133+85.67	MULLANPHY	RT	R1-1	30" X 30"	6.25	12.5	STOP AND STREET ID SIGNS
18	134+15.90	MULLANPHY	LT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
18	134+51.56	MULLANPHY	LT	R1-1	30" X 30"	6.25	12.5	STOP AND STREET ID SIGNS
18	135+96.86	MULLANPHY	RT	R2-1	18" X 24"	3	13.0	SPEED LIMIT 25 & DESIGNATED DOUBLE FINE ZONE
18	137+22.12	MULLANPHY	LT	R2-1	18" X 24"	3	13.0	SPEED LIMIT 25 & DESIGNATED DOUBLE FINE ZONE
18	137+25.86	MULLANPHY	RT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
18	139+61.05	MULLANPHY	LT	R1-1	30" X 30"	6.25	12.5	STOP AND STREET ID SIGNS
18	140+11.62	MULLANPHY	RT	W11-2/W16-7P	30" X 30"	8.44	13.8	PEDESTRIAN AND DIAGONAL ARROW
18	140+21.96	MULLANPHY	LT	W11-2/W16-7P	30" X 30"	8.44	13.8	PEDESTRIAN AND DIAGONAL ARROW
19	141+47.20	MULLANPHY	RT	R7-1D	12" X 18"	1.5	11.5	NO PARKING ANY TIME
19	143+40.80	MULLANPHY	LT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
19	149+45.05	MULLANPHY	RT	R7-1D	12" X 18"	1.5	11.5	NO PARKING ANY TIME
19	150+44.66	MULLANPHY	RT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
20	151+78.13	MULLANPHY	LT	R1-1	30" X 30"	6.25	12.5	STOP AND STREET ID SIGNS
20	151+84.68	MULLANPHY	RT	-	-	-	10.0	EXISTING "BLIND PERSON XING" ON NEW POST
20	152+37.12	MULLANPHY	RT	W11-2/W16-7P	30" X 30"	8.44	13.8	PEDESTRIAN AND DIAGONAL ARROW
20	152+46.61	MULLANPHY	LT	W11-2/W16-7P	30" X 30"	8.44	13.8	PEDESTRIAN AND DIAGONAL ARROW
20	153+35.82	MULLANPHY	RT	R1-1	30" X 30"	6.25	12.5	STOP AND STREET ID SIGNS
20	154+68.03	MULLANPHY	LT	W11-2/W16-9P	30" X 30"	8.25	13.5	PEDESTRIAN AND AHEAD
20	156+35.64	MULLANPHY	RT	R1-1	30" X 30"	6.25	12.5	STOP AND STREET ID SIGNS
20	156+44.09	MULLANPHY	LT	R2-1	18" X 24"	3	13.0	SPEED LIMIT 25 & DESIGNATED DOUBLE FINE ZONE
					SUBTOTAL	288.4	651.5	
					PAY TOTAL	288.4	651.5	

COUNTY PROJECT NO. 2302483

FEDERAL PROJECT NO. STP-4901(650)

E-W GATEWAY TIP NO. 7181-23, 7236-23

MSD: 24MSD-00286

MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY: I have exercised the documents intended to be authorized by my seal are limited to the sheet, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI — ANDREA S. DAVIS — PE-2018021250 — PROFESSIONAL ENGINEER

Andrea S. Davis
04/21/2026 4:10:42 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY: HRGreen — 100 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141 — ANDREA S. DAVIS, PROFESSIONAL ENGINEER, LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

QUANTITIES (SHEET 8 OF 9)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 12 OF 97

SEEDING & SOD

PLAN SHEET NO.	STA.	STA.	ROUTE	SIDE	AREA SF	803-10.00 SODDING SY	REMARKS
15	107+81.88	108+12.23	MULLANPHY	LT	242.5	26.9	AROUND RAMP 1
15	108+38.00	108+87.53	MULLANPHY	LT	333.8	37.1	AROUND RAMP 2/2A
15	108+62.15	108+87.15	MULLANPHY	RT	134.7	15.0	AROUND RAMP 3
15	109+63.00	109+90.84	MULLANPHY	RT	75.4	8.4	AROUND RAMP 4
15	110+30.54	110+58.82	MULLANPHY	RT	79.0	8.8	AROUND RAMP 5
16	117+10.03	117+90.45	MULLANPHY	LT	987.3	109.7	AROUND RAMP 6/6A
16	117+39.90	117+86.09	MULLANPHY	RT	187.4	20.8	AROUND RAMP 8/8A
16	118+16.45	119+17.39	MULLANPHY	LT	997.8	110.9	AROUND RAMP 7/7A
16	118+20.08	118+58.75	MULLANPHY	RT	122.2	13.6	AROUND RAMP 9
16	118+58.75	119+48.31	MULLANPHY	RT	48.5	5.4	
16	119+85.86	120+80.14	MULLANPHY	RT	55.7	6.2	
16	120+89.69	121+06.22	MULLANPHY	RT	13.5	1.5	
17	121+15.83	122+10.06	MULLANPHY	RT	357.8	39.8	
17	122+26.85	122+38.89	MULLANPHY	RT	113.9	12.7	
17	122+48.04	123+40.33	MULLANPHY	RT	338.1	37.6	
17	123+76.12	124+70.07	MULLANPHY	RT	205.9	22.9	
17	124+79.28	124+97.96	MULLANPHY	RT	43.1	4.8	
17	125+07.44	126+00.00	MULLANPHY	RT	59.5	6.6	
17	126+16.58	126+56.13	MULLANPHY	RT	20.7	2.3	
17	126+52.57	126+77.59	MULLANPHY	LT	198.7	22.1	AROUND RAMP 10
17	126+56.13	126+95.04	MULLANPHY	RT	165.8	18.4	AROUND RAMP 11/11A
17	127+32.96	127+57.56	MULLANPHY	RT	128.4	14.3	AROUND RAMP 12
17	127+57.56	128+13.61	MULLANPHY	RT	294.4	32.7	
17	128+31.79	128+84.83	MULLANPHY	RT	190.6	21.2	
17	128+93.86	129+49.97	MULLANPHY	RT	41.5	4.6	
17	129+66.34	130+07.95	MULLANPHY	RT	21.6	2.4	
17	130+23.79	130+71.94	MULLANPHY	RT	169.4	18.8	
17	130+91.25	131+12.12	MULLANPHY	RT	28.7	3.2	
18	131+08.62	131+56.51	MULLANPHY	LT	398.5	44.3	AROUND RAMP 13/13A
18	131+12.12	131+30.12	MULLANPHY	RT	61.8	6.9	AROUND RAMP 15
18	131+30.12	131+44.65	MULLANPHY	RT	12.6	1.4	
18	131+54.36	132+49.01	MULLANPHY	RT	122.6	13.6	
18	131+84.29	132+09.34	MULLANPHY	LT	99.7	11.1	AROUND RAMP 14
18	132+66.58	133+20.34	MULLANPHY	RT	314.2	34.9	
18	133+20.34	133+46.12	MULLANPHY	RT	135.1	15.0	AROUND RAMP 16
18	133+85.00	134+08.47	MULLANPHY	RT	53.5	5.9	AROUND RAMP 17
18	134+08.47	134+75.54	MULLANPHY	RT	176.3	19.6	
18	134+23.54	134+49.07	MULLANPHY	LT	72.2	8.0	AROUND RAMP 18
18	134+91.04	135+18.90	MULLANPHY	LT	70.7	7.9	AROUND RAMP 19
18	134+91.81	135+33.80	MULLANPHY	RT	36.4	4.0	
18	135+43.92	136+85.65	MULLANPHY	RT	660.4	73.4	
18	137+04.38	138+63.88	MULLANPHY	RT	781.1	86.8	
18	138+74.23	139+23.33	MULLANPHY	RT	37.5	4.2	
18	138+89.21	139+54.94	MULLANPHY	LT	550.4	61.2	
18	139+23.33	139+46.87	MULLANPHY	RT	53.6	6.0	AROUND RAMP 22
18	139+54.94	139+66.74	MULLANPHY	LT	142.8	15.9	AROUND RAMP 20
18	139+86.72	140+25.58	MULLANPHY	RT	104.1	11.6	AROUND RAMP 23/23A
18	139+92.76	140+24.08	MULLANPHY	LT	275.7	30.6	AROUND RAMP 21/21A
18	140+24.08	140+63.00	MULLANPHY	LT	301.6	33.5	
18	140+25.58	140+79.28	MULLANPHY	RT	37.5	4.2	
19	141+00.43	141+89.33	MULLANPHY	RT	153.5	17.1	
19	141+98.03	142+32.95	MULLANPHY	RT	19.9	2.2	
19	142+50.63	143+39.34	MULLANPHY	RT	58.3	6.5	
19	143+59.30	143+78.83	MULLANPHY	RT	10.2	1.1	
19	144+01.22	144+89.11	MULLANPHY	RT	47.0	5.2	
19	145+08.90	145+31.65	MULLANPHY	RT	12.5	1.4	
19	145+50.17	146+39.08	MULLANPHY	RT	102.6	11.4	
19	146+56.68	146+81.87	MULLANPHY	RT	77.1	8.6	
19	146+99.72	147+89.54	MULLANPHY	RT	335.7	37.3	
19	148+09.85	148+32.44	MULLANPHY	RT	51.3	5.7	
19	148+50.94	149+54.63	MULLANPHY	RT	71.6	8.0	
19	149+54.63	149+76.53	MULLANPHY	RT	49.8	5.5	AROUND RAMP 24
19	150+16.34	150+40.37	MULLANPHY	RT	53.3	5.9	AROUND RAMP 25
19	150+40.37	150+90.83	MULLANPHY	RT	36.0	4.0	
20	151+00.00	151+31.71	MULLANPHY	RT	19.4	2.2	
20	151+09.99	151+71.59	MULLANPHY	LT	534.7	59.4	
20	151+51.57	151+99.24	MULLANPHY	RT	30.2	3.4	
20	151+71.16	151+80.98	MULLANPHY	LT	123.5	13.7	AROUND RAMP 26
20	152+06.97	152+49.02	MULLANPHY	LT	369.4	41.0	AROUND RAMP 27/27A
20	152+18.75	152+32.52	MULLANPHY	RT	11.2	1.2	
					SUBTOTAL A	1369.5	

SEEDING & SOD (CONTINUED)

PLAN SHEET NO.	STA.	STA.	ROUTE	SIDE	AREA SF	803-10.00 SODDING SY	REMARKS
20	152+32.52	152+50.52	MULLANPHY	RT	55.2	6.1	AROUND RAMP 28
20	152+49.02	152+85.78	MULLANPHY	LT	225.4	25.0	
20	152+50.52	152+69.15	MULLANPHY	RT	11.7	1.3	
20	152+69.15	153+05.00	MULLANPHY	RT	270.5	30.1	AROUND RAMP 29
20	152+93.94	1153+03.94	MULLANPHY	LT	4.4	0.5	
20	153+31.35	153+66.03	MULLANPHY	RT	323.1	35.9	AROUND RAMP 30
20	153+66.03	154+18.09	MULLANPHY	RT	132.7	14.7	
20	154+27.75	154+44.27	MULLANPHY	RT	145.8	16.2	
20	154+54.26	155+03.78	MULLANPHY	RT	42.9	4.8	
20	155+21.34	155+55.05	MULLANPHY	RT	17.0	1.9	
20	155+55.05	156+05.35	MULLANPHY	RT	369.2	41.0	AROUND RAMP 31
20	156+31.10	156+53.27	MULLANPHY	RT	80.0	8.9	AROUND RAMP 32
					SUBTOTAL B	186.4	
					SUBTOTAL A	1369.5	
					PAY TOTAL	1556	

TEMPORARY EROSION CONTROL

SHEET	STATION	STATION	ROUTE	SIDE	806-45.10 INLET PROTECTION DEVICE, SINGLE UNIT - GRAVEL FILTER BAG EA	806-45.13 INLET PROTECTION DEVICE, DOUBLE UNIT - GRAVEL FILTER BAG EA	806-70.00 SILT FENCE LF	REMARKS
15	107+87.71		MULLANPHY	LT		1		
15	99+57.95		MULLAN DR	LT		1		
15	99+59.86		MULLAN DR	RT	1			
15	99+60.76		MULLAN DR	LT	1			
16	114+24.09		MULLANPHY	LT		1		
16	117+68.13		MULLANPHY	LT	1			
16	117+69.13		MULLANPHY	RT	1			
16	299+58.90		LOVELAND DR	LT	1			
16	299+60.36		LOVELAND DR	RT	1			
16	120+19.68		MULLANPHY	LT	1			
16	120+31.80		MULLANPHY	RT	1			
17	124+87.49		MULLANPHY	LT	1			
17	124+87.74		MULLANPHY	RT	1			
17	128+12.14		MULLANPHY	RT	1			
17	128+13.11		MULLANPHY	LT	1			
18	131+36.90		MULLANPHY	LT	1			
18	499+59.08		ASPEN DR	LT	1			
18	499+60.00		ASPEN DR	RT	1			
18	132+11.76		MULLANPHY	RT	1			
18	132+11.80		MULLANPHY	LT	1			
18	134+00+60		MULLANPHY	RT	1			
18	699+52.62		FERNBROOK DR	RT	1			
18	699+58.09		FERNBROOK DR	RT	1			
18	135+00.00	137+00.00	MULLANPHY	RT			200	
18	138+00.00	139+00.00	MULLANPHY	RT			100	
18	138+21.51		MULLANPHY	LT		1		
18	139+30.96		MULLANPHY	LT	1			
18	139+31.43		MULLANPHY	RT	1			
18	899+52.52		TYSON DR	LT	1			
18	899+62.08		TYSON DR	RT	1			
19	141+59.91		MULLANPHY	LT	1			
19	141+61.48		MULLANPHY	RT	1			
19	148+25.11		MULLANPHY	LT	1			
19	148+25.51		MULLANPHY	RT	1			
20	155+69.46		MULLANPHY	RT	1			
				SUBTOTAL	29	4	300	
				PAY TOTAL	29	4	300	

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to the sheet, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S. Davis
04/21/2026 4:10:44 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY: HRGreen
HRGreen®
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

QUANTITIES (SHEET 9 OF 9)

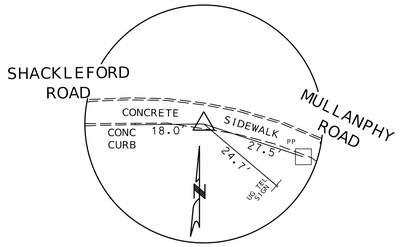
DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 13 OF 97

SCALE

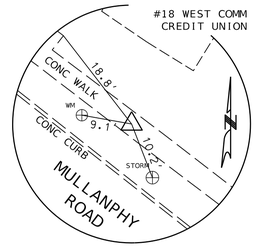
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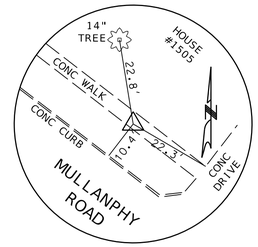
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GUARD RAIL	
GUARD CABLE	
FENCELINE	x
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FIBER OPTICS	T/FO
UNDERGROUND CABLE TV	UTV
UNDERGROUND TELEPHONE	UT
OVERHEAD POWER	OE
UNDERGROUND POWER	UE
SANITARY SEWER	S
STORM SEWER	
GAS (ALL SHOWN PER MAP)	G
WATER (ALL SHOWN PER MAP)	W
LOCATION PER MAP	(MAP)
SANITARY MANHOLE	SAN
STORM MANHOLE	STORM
FIRE HYDRANT	HYD
WATER VALVE	WV
WATER METER	WM
IRRIGATION CONTROL VALVE	ICV
DROP INLET	DI
GUY WIRE	
GROUND MOUNTED SIGN	SIGN
LIGHT POLE	
GAS LIGHT POLE	GL
YARD LIGHT	YL
UTILITY POLE	PP
TELEPHONE PEDESTAL	T RISER
CABLE PEDESTAL	
UTILITY PULLBOX	
BENCHMARK	BM
CROSSWALK STRIPES	
TRAFFIC SIGNAL	
CLEANOUT	CO
LANDSCAPING AREA	LA
TRAFFIC SIGNAL CONTROL BOX	
TRUNCATED DOME	TD



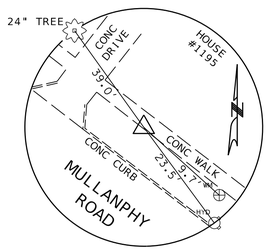
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CONCRETE SIDEWALK
N: 1085348.796
E: 863963.104
EL: 545.26



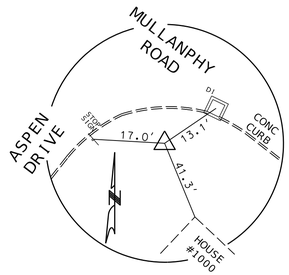
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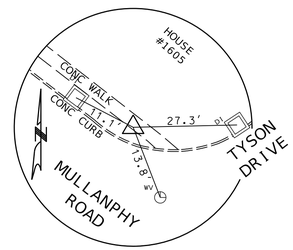
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EL: 533.62



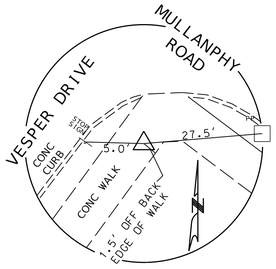
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CONCRETE SIDEWALK
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EL: 521.25



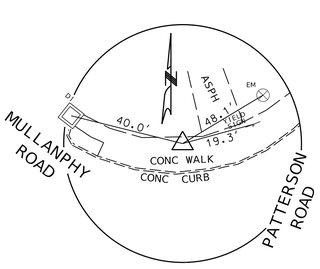
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80D NAIL
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E: 866460.965
EL: 522.65



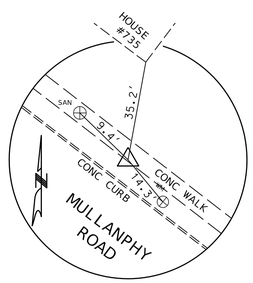
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CONCRETE SIDEWALK
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EL: 519.47



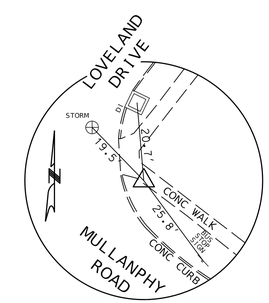
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CUT 'X' IN
CONCRETE SIDEWALK
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E: 867998.916
EL: 514.81



CONTROL POINT NO. 10
CUT 'X' IN
CONCRETE SIDEWALK
N: 1082017.968
E: 868419.572
EL: 513.56



CONTROL POINT NO. 8
CUT 'X' IN
CONCRETE SIDEWALK
N: 11082662.310
E: 867552.350
EL: 514.83



CONTROL POINT NO. 4
CUT 'X' IN
CONCRETE SIDEWALK
N: 1084437.864
E: 865256.151
EL: 526.47

SURVEY NOTES:

1. HORIZONTAL CONTROL STATEMENT: STATE PLANE COORDINATES ON THIS PROJECT WERE ESTABLISHED UTILIZING THE MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION GLOBAL NAVIGATION SATELLITE REAL TIME NETWORK FOR CONTINUOUSLY OPERATING REFERENCE STATIONS DURING JANUARY, 2024 AND ARE BASED ON THE MISSOURI COORDINATE SYSTEM OF 1983, EAST ZONE. THE AVERAGE COMBINED PROJECT GRID FACTOR IS 0.9999122 CALCULATED BY TRIMBLE GEOMATICS OFFICE.

2. PROJECT COORDINATES ARE MODIFIED MISSOURI STATE PLANE COORDINATES AND WERE ESTABLISHED BY APPLYING THE INVERSE OF THE PROJECT GRID FACTOR (1.0000878) ABOUT THE ORIGIN (0,0). AS CALCULATED BY EFK MOEN, LLC.

3. VERTICAL DATUM IS NAVD 88. AN ELEVATION WAS ESTABLISHED ON CONTROL POINT #1, USING THE TRIMBLE R10 ROVER AND BASED ON THE MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION GLOBAL NAVIGATION SATELLITE REAL TIME NETWORK FOR CONTINUOUS OPERATING REFERENCE STATIONS. A CONVENTIONAL BENCHMARK LEVEL LOOP WAS USED TO ESTABLISH ELEVATIONS ON CONTROL POINTS 1 THROUGH 10. FIELD WORK WAS PERFORMED DURING JANUARY, 2024.

PROJECT BENCHMARK:
ST. LOUIS COUNTY BENCHMARK 4097
ELEVATION=545.55(NAVD88)
"L" ON THE NORTHEAST CORNER OF THE BOTTOM STEP OF SIX STEPS, AT THE ENTRANCE TO THE EAST SIDE OF BAPTIST CHURCH AT #1185 MULLANPHY ROAD; ON THE SOUTHWEST CORNER OF SHACKELFORD ROAD AND MULLANPHY ROAD.
SITE BENCHMARKS:
TBM #1 ELEVATION=547.66: CUT "L" ON SOUTWEST CORNER OF TRAFFIC SIGNAL CONTROL BOX AT NORTHEAST CORNER OF SHACKELFORD AND MULLANPHY.
TBM #2 ELEVATION=520.87: CUT "L" ON SOUTH EDGE OF CONCRETE WALK ON STREET AT 1103 GREELEY DRIVE.
TBM #3 ELEVATION=515.06: CUT "L" ON THE NORTHEAST CORNER OF TRAFFIC SIGNAL CONTROL BOX AT NORTHEAST CONRER OF PATTERSON AND MULLANPHY.

4. THE UNDERGROUND UTILITIES SHOWN HEREON ARE TAKEN FROM UTILITY LOCATIONS AS MARKED IN THE FIELD BY DIGRITE FOR THE TICKET NUMBERS: 240050234, 240050235, 240050236, 240050237, 240050238, 240050239, 240050240, 240050241, 240050242 (01/05/24); UTILITY COMPANIES THAT HAVE SUBSCRIBED ARE AS FOLLOWS:
AMEREN MISSOURI ELECTRIC, AMEREN MISSOURI FIBER, ATT DISTRIBUTION, CHARTER COMMUNICATIONS, MISSOURI AMERICAN WATER, MCI, SPIRE MISSOURI EAST, ST.LOUIS MSD, AND ST. LOUIS COMPANY TRANSPORTATION.

THE MISSOURI ONE CALL TICKET CHECK RESPONSES TO THE UTILITY MARKING FOR THE ABOVE TICKETS ARE PROVIDED AS SEPARATE SUPPORTING DOCUMENTS.

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319, RSMO.

NOTE: UTILITY LINES DESIGNATED AS (MAP) ARE SHOWN PER MAP RECORDS PROVIDED TO EFK, MOEN AND THE LOCATION SHOULD BE CONSIDERED APPROXIMATE.

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby state that the documents intended to be authorized by my seal are limited to the sheets I sealed and I hereby disclaim any responsibility for all other documents, specifications or Estimates. Reports or other documents or instruments relating to or intended to be used with any project for any engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S. Davis
04/21/2026 4:10:47 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
HRGreen.com
520 MARKVILLE AT CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
(314) 579-0100 (314) 579-0101
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Fleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

REFERENCE TIES (SHEET 1 OF 1)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 14 OF 97

SCALE 1"=20'

0 20 40 60

PROPERTY N/F
LAND WEST #7 LLC
LOCATOR NO. 06K220914
DB 18905 PG 1819
1200 SHACKELFORD RD.

PROPERTY N/F
MULLANPHY GARDENS ACQUISITIONS LLC
LOCATOR NO. 06K220941
DB 17663 PG 4162
1 MULLANPHY GARDENS SHOPPING CENTER

SHACKLEFORD ROAD

EXIST. R/W

GAS TANK ACCESS LID (TYPICAL)

EX SAN MH T=544.86 FL=536.76

CLEANOUT (NO ACCESS)

SIGN W/ BRICK BASE

SIGN ON TWO 3'x3' BRICK COLUMNS

EX CURB INLET (NO MSD#) T=541.70 FL=538.00 (DEBRIS)

EX D. CURB INLET (NO MSD#) T=541.51 FL=536.86

4" STEEL BOLLARD

ASPHALT DRIVE/PARKING

USPS MAILBOX

CABLE DROP

BENCH

BUS STOP

CONCRETE ENTRANCE

CONC ISLAND

POSSIBLE SAN MANHOLE 06K4-002S T=544.96 (MSD PAINT "MH")

MULLANPHY RD ℄

S52°23'14"E

MULLANPHY ROAD

ASPHALT PAVEMENT

CONCRETE PAVEMENT

ASPHALT PARKING

GRASS

CONC CURB

CONC SIDEWALK

MATCHLINE STA. 106+00.00

105

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

PROPERTY N/F
TCC SHACKELFORD LLC
LOCATOR NO. 07K511403
DB 21354 PG 1466
1160 SHACKELFORD ROAD

253 PG 14

PROPERTY N/F
MULLANPHY GARDENS ACQUISITIONS LLC
LOCATOR NO. 06K220941
DB 17663 PG 4162
1 MULLANPHY GARDENS SHOPPING CENTER

EX GRATE INLET W/ SIDE INTAKE 07K2-003D T=539.21 FL=534.66 (UIP)

EX D. CURB INLET 07K2-005D T=539.56 FL=534.76 (UIP)

EX STORM MH (NO MSD#) T=540.53 FL(E)=536.53 FL=535.73 (UIP)

2'x4' PULLBOX (SPECTRUM) (UIP)

BEGIN PROJECT MILL & OVERLAY STA. 106+91.07

CONST. LIMITS

EXIST. R/W

LOT 7
PROPERTY N/F
WILLIAM M. & ANTOINETTE M. MARTIN
LOCATOR NO. 07K541272
DB 7104 PG 0566
1595 MULLANPHY ROAD

STA. 99+53.00 MULLAN END MILL & OVERLAY PARTIAL DEPTH SAWCUT

EX CURB INLET (UIP) 07K2-002D T=538.64 FL=534.94

25' TRANSITION

CONST. LIMITS

5'W. CONC. SIDEWALK

5' ℄ EASEMENT (PB. 95)

LOT 8
PROPERTY N/F
MARY T. TOCCO ETAL
LOCATOR NO. 07K541272
DB 7104 PG 0566
1575 MULLANPHY ROAD

LOT 9
PROPERTY N/F
VB ONE LLC
LOCATOR NO. 07K541173
DB 25388 PG 3081
1565 MULLANPHY ROAD

110

MULLAN DRIVE

RAMP 1

RAMP 2

RAMP 2A

RAMP 3

RAMP 4

RAMP 5

CONC CURB (CRUMBLING & MISSING PARTS)

ASPH CURB

ASPHALT DRIVE/PARKING

LANDSCAPE

CONCRETE ENTRANCE

18" RCP

24" RCP

12" RCP

2'x3' PULLBOX (CHANELL)

CABLE DROP (UIP)

48" CHAIN LINK FENCE

EX SAN MH 06K3-100S T=541.13 FL=527.88

EX STORM MH 07K2-006D T=538.85 FL=533.80 (ATG)

REMOVE EXIST. CURB RAMP

10" VCP

10' EASEMENT (PB. 93 PG. 10)

PSE

CONST. LIMITS

14' TRANSITION

EX SAN MH 07K2-006S T=535.76 FL=521.61 (ATG)

STA. 200+29.50 ASPEN END MILL & OVERLAY PARTIAL DEPTH SAWCUT

ASPEN DRIVE

ASPHALT PAVEMENT 10"

STA. 100+00.00 MULLAN = STA. 108+24.98 MULLANPHY

STA. 200+00.00 ASPEN = STA. 110+10.38 MULLANPHY

MATCHLINE STA. 111+00.00

PROPERTY N/F
TCC SHACKELFORD LLC
LOCATOR NO. 07K511403
DB 21354 PG 1466
1160 SHACKELFORD ROAD

1

PROPERTY N/F
CECIL M. MAXIE
LOCATOR NO. 07K541348
DB 24924 PG 2615
1600 MULLANPHY ROAD

LOT 1
PROPERTY N/F
VB TWO LLC
LOCATOR NO. 07K541128
DB 24594 PG 4039
1570 MULLANPHY ROAD

LOT 11
PROPERTY N/F
WAYNE & RHONDA MARICLE
LOCATOR NO. 07K541041
DB 17801 PG 4194
1570 ASPEN ROAD

NOTES:

1) ALL STATIONS & OFFSETS GIVEN TO THE MULLANPHY RD ℄ UNLESS NOTED OTHERWISE.

2) FINAL SIZE & LOCATION OF FULL-DEPTH PAVEMENT REPAIR & TYPE S CURB REPLACEMENT SHALL BE CONFIRMED BY THE ENGINEER.

LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (ENTRANCE, MEDIAN, SIDE ROADS & SIDEWALK)

COUNTY PROJECT NO. 2302483

FEDERAL PROJECT NO. STP-4901(650)

E-W GATEWAY TIP NO. 7181-23, 7236-23

MSD: 24MSD-00286

MSD BASE MAP: 07J, 07K

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I have prepared the documents intended to be authorized by my seal are limited to the items I have sealed and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of this engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S. Davis
04/21/2026 4:10:55 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
120 MAPLEVALE LEE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Fleurissant 1796 Est. City of Florissant

MULLANPHY ROAD RESURFACING

ROADWAY PLAN (SHEET 1 OF 6)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 15 OF 97

\\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-15-Plan01.dgn 1:53:57 PM 4/21/2026

SCALE 1"=20'
0 20 40 60

LOT 10
PROPERTY N/F
DAVID W. & ROSE M. HOLMES
LOCATOR NO. 07K541139
DB 22232 PG 2650
1545 MULLANPHY ROAD

LOT 11
PROPERTY N/F
LYNDON & JENNIFER BOEHIKE
LOCATOR NO. 07K541096
DB 15979 PG 0334
1525 MULLANPHY ROAD

LOT 12
PROPERTY N/F
KATHERINE BOGGS, TRUSTEE AND BRUCE WESLY BOGGS, TRUSTEE OF THE ARLENE KATHERINE BOGGS AND BRUCE WESLEY BOGGS REVOCABLE LIVING TRUST DATED 5/5/2000.
LOCATOR NO. 07K541096
DB 22888 PG 3116
1505 MULLANPHY ROAD

LOT 13
PROPERTY N/F
CEREERUS SFR HOLDINGS LP
LOCATOR NO. 07K541007
DB 22726 PG 3222
1495 MULLANPHY ROAD

LOT 14
PROPERTY N/F
KI PROPERTIES SOLUTIONS LLC
LOCATOR NO. 07K540985
DB 24420 PG 5903
1485 MULLANPHY ROAD

LOT 15
PROPERTY N/F
PHILLIP MICHAEL JOKERST
LOCATOR NO. 07K540921
DB 23854 PG 5198
1465 MULLANPHY ROAD

LOT 16
PROPERTY N/F
VB ONE LLC
LOCATOR NO. 07K540886
DOC. # 2022041500071
1445 MULLANPHY ROAD

115

MATCHLINE STA. 111+00.00

MATCHLINE STA. 116+00.00

EXIST. R/W

EX STORM MH
NO MSD#
T=532.30
FL(SW)=527.90
FL=527.05
(UIP)

EX D. CURB INLET
07K2-007D
T=532.40
FL=528.25
(UIP)

12"RCP

MULLANPHY ROAD

MULLANPHY RD ℄

S52°23'14"E

ASPHALT PAVEMENT

CABLE DROP

LANDSCAPE AREA
6"BRICK
(UIP)

REMOVE & REPLACE CONCRETE SIDEWALK
STA. 114+32.00 TO
STA. 114+49.69

EXIST. R/W

MSD LEGEND
DISTURBED AREA

LOT 10
PROPERTY N/F
ANNE CALLAWAY
LOCATOR NO. 07K541018
DB 17981 PG 1061
1530 MULLANPHY ROAD

LOT 9
PROPERTY N/F
CHRISTOPHER EVANS & CHRISTINA GALVIN
LOCATOR NO. 07K540974
DB 17906 PG 4825
1520 MULLANPHY ROAD

LOT 8
PROPERTY N/F
MARK GRZECHOWIAK
LOCATOR NO. 07K540930
DB 19016 PG 747
1510 MULLANPHY ROAD

LOT 7
PROPERTY N/F
RTL LIVING LLC
LOCATOR NO. 07K540897
DOC. # 2023071900208
1490 MULLANPHY ROAD

LOT 6
PROPERTY N/F
Y.A.D. HOLDINGS LLC
LOCATOR NO. 07K540853
DB.19987 PG. 431
1480 MULLANPHY ROAD

LOT 5
PROPERTY N/F
CHRISTOPHER & LOTONYA MITCHELL
LOCATOR NO. 07K540811
DOC. # 2023061600535
1470 MULLANPHY ROAD

LOT 4
PROPERTY N/F
MOHAMED ABDELMABAD
LOCATOR NO. 07K540776
DOC. # 2022071100682
1460 MULLANPHY ROAD

LOT 3
PROPERTY N/F
AARON D. YODER ETAL
LOCATOR NO. 07K540710
DB. 17788 PG. 3638
1440 MULLANPHY ROAD

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

LOT 17
PROPERTY N/F
THEODORE C. & MARIAN E. FEICK
LOCATOR NO. 07K540831
DB. 17366 PG. 1596
1425 MULLANPHY ROAD

LOT 18
PROPERTY N/F
DAVID W. & ROSE M. HOLMES
LOCATOR NO. 07K540798
DB. 21080 PG. 1672
1405 MULLANPHY ROAD

EX CURB INLET
07K2-045D
T=527.24
FL=524.04
(ATG)

CONST. LIMITS

LANDSCAPE AREA
6"BRICK

EX CURB INLET
07K2-044D
T=528.16
FL=522.96
(CONVERT TO MANHOLE)

TYPE S CURB

EXIST. R/W

LOVELAND DRIVE

STA. 299+50.00 LOVELAND
END MILL & OVERLAY

25' TRANSITION

EX CURB INLET
07K2-046D
T=527.14
FL=523.34(ATG)

STA. 118+71.40
P.E. 9.3' W. CONC.

EX TEE FITTING
07K2-047D

EX STORM MH
07K2-043D
T=527.36
FL(N)(SE)=521.36
FL=520.51
(ATG)

STA. 300+00.00 LOVELAND =
STA. 118+03.53 MULLANPHY

MULLANPHY ROAD

MULLANPHY RD ℄

S52°23'14"E

EXIST. R/W

CONST. LIMITS

14' TRANSITION
STA. 300+29.27 LOVELAND
END MILL & OVERLAY
PARTIAL DEPTH SAWCUT

5'W. CONC. SIDEWALK

STA. 119+58.17
P.E. 19.3' W. CONC.

STA. 119+76.85
P.E. 18.0' W. CONC.

STA. 120+84.91
P.E. 9.6' W. CONC.

TYPE S CURB
STA. 120+95.93 TO
STA. 121+00.00

5' EASEMENT (PB. 74 PG. 18)

120

MATCHLINE STA. 121+00.00

LOT 3
PROPERTY N/F
AARON D. YODER ETAL
LOCATOR NO. 07K540710
DB. 17788 PG. 3638
1440 MULLANPHY ROAD

LOT 2
PROPERTY N/F
BRIAN & KRISTENE HOLMES
LOCATOR NO. 07K540699
DOC. 2022092200455
1420 MULLANPHY ROAD

LOT 1
PROPERTY N/F
DANIEL P. MAYSE
LOCATOR NO. 07K540633
DB. 8643 PG. 1863
1125 LOVELAND DRIVE

LOT 13
PROPERTY N/F
TERRENCE MOODY
LOCATOR NO. 07K540556
DOC. # 2022072600317
1102 LOVELAND DRIVE

LOT 12
PROPERTY N/F
BELINDA TUCKER
LOCATOR NO. 07K630547
DB. 19068 PG. 812
1360 MULLANPHY ROAD

LOT 11
PROPERTY N/F
ALICE VERNER
LOCATOR NO. 07K630503
DB. 21807 PG. 588
1340 MULLANPHY ROAD

LOT 10
PROPERTY N/F
PAIGE RYAN
LOCATOR NO. 07K630448
DB. 24804 PG. 1714
1320 MULLANPHY ROAD

LOT 204
PROPERTY N/F
LYNNETTE K. PARKER
LOCATOR NO. 07K630789
DB. 9414 PG. 1645
1395 MULLANPHY ROAD

LOT 205
PROPERTY N/F
MARGERY A. & GEORGE G. TYSON
LOCATOR NO. 07K630723
DB. 16593 PG. 2221
1375 MULLANPHY ROAD

LOT 206
PROPERTY N/F
BOBRIE GLENN
LOCATOR NO. 07K630668
DB. 12470 PG. 1136
1355 MULLANPHY ROAD

LOT 207
PROPERTY N/F
RENTSTL LLC
LOCATOR NO. 07K630602
DB. 21594 PG. 1369
1335 MULLANPHY ROAD

NOTES:

1) ALL STATIONS & OFFSETS GIVEN TO THE MULLANPHY RD ℄ UNLESS NOTED OTHERWISE.

2) FINAL SIZE & LOCATION OF FULL-DEPTH PAVEMENT REPAIR & TYPE S CURB REPLACEMENT SHALL BE CONFIRMED BY THE ENGINEER.

LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (ENTRANCE, MEDIAN, SIDE ROADS & SIDEWALK)

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS				
REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
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PE-2018021250
PROFESSIONAL ENGINEER
Andrea S Davis
04/21/2026 4:11:00 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
555 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Pleurissant 1796 City of Florissant Est.

MULLANPHY ROAD RESURFACING

ROADWAY PLAN (SHEET 2 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 16 OF 97

\\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-16-Plan02.dgn 1:54:01 PM 4/21/2026

LOT 207
PROPERTY N/F
RENTSTL LLC
LOCATOR NO. 07K630602
DB. 21594 PG. 1369
1335 MULLANPHY ROAD

LOT 208
PROPERTY N/F
NORMAN R. & JUDITH A. SCHEIG
LOCATOR NO. 07K630536
DB. 6755 PG. 2127
1315 MULLANPHY ROAD

LOT 209
PROPERTY N/F
KI PROPERTIES SOLUTIONS LLC
LOCATOR NO. 07K630471
DB. 24322 PG. 2074
1295 MULLANPHY ROAD

LOT 210
PROPERTY N/F
HOME SFR BORROWER III, LLC
LOCATOR NO. 07K630415
DB. 22642 PG. 555
1285 MULLANPHY ROAD

LOT 211
PROPERTY N/F
FOSTON PROPERTIES LLC
LOCATOR NO. 07K630350
DB. 22678 PG. 3140
1275 MULLANPHY ROAD

LOT 212
PROPERTY N/F
MO HOUSING &
RE DEVELOPMENT, LLC
LOCATOR NO. 07K630295
DB. 20996 PG. 2114
1255 MULLANPHY ROAD

LOT 213
PROPERTY N/F
ANDREW C. WILSON
LOCATOR NO. 07K630228
DB. 15842 PG. 1814
1235 MULLANPHY ROAD

SCALE 1"=20'
0 20 40 60

MATCHLINE STA. 121+00.00

MATCHLINE STA. 126+00.00

EXIST. R/W

MULLANPHY ROAD

MULLANPHY RD ℄

S52°23'14"E

ASPHALT PAVEMENT

6'W. CONC. SIDEWALK SMALL BLOCK RETAINING WALL

8"KEYSTONE BLOCKS

4" BRICK

CONST. LIMITS

5'W. CONC. SIDEWALK

EXIST. R/W

EX STORM MH
07K2-061D
T=522.79
FL=516.59

EX CURB INLET
07K2-062D
T=519.84
FL=513.94(UIP)

10' EASEMENT (PB. 95 PG. 50)

5' EASEMENT (PB. 95 PG. 50)

TYPE S CURB
STA. 129+68.55 TO
STA. 129+83.55

TYPE S CURB
STA. 129+99.75 TO
STA. 130+24.75

EX GRATE INLET
W/ SIDE INTAKE
07K2-063D(UIP)
T=519.28
FL=513.03

36"RCP

STA. 121+11.03
P.E. 9.6' W. CONC.

STA. 122+18.53
P.E. 16.8' W. CONC.

STA. 122+43.39
P.E. 9.3' W. CONC.

STA. 123+49.39
P.E. 17.6' W. CONC.

STA. 123+67.68
P.E. 16.9' W. ASPH.

STA. 124+74.70
P.E. 9.3' W. ASPH.

STA. 125+02.70
P.E. 9.5' W. CONC.

① BEGIN SIDEWALK TAPER
STA. 121+20.83
② END SIDEWALK TAPER
BEGIN RETAINING WALL
STA. 121+30.83
③ END RETAINING WALL
STA. 122+03.73
④ BEGIN SIDEWALK TAPER
STA. 122+54.64
⑤ END SIDEWALK TAPER
STA. 122+64.63

3 LOT 9
PROPERTY N/F
BRYANT WOODARD
LOCATOR NO. 07K630404
DB. 24412 PG. 2677
1310 MULLANPHY ROAD

4 LOT 8
PROPERTY N/F
GWENDOLYN M. GRAHAM
LOCATOR NO. 07K630349
DB. 23664 PG. 431
1300 MULLANPHY ROAD

5 LOT 7
PROPERTY N/F
STANLEY & ATHENA TURNER
LOCATOR NO. 07K630284
DB. 17494 PG. 2845
1290 MULLANPHY ROAD

6 LOT 6
PROPERTY N/F
FT PACIFIC RENTAL LLC
LOCATOR NO. 07K630240
DB. 21815 PG. 1052
1280 MULLANPHY ROAD

7 LOT 5
PROPERTY N/F
ANDREW R. WALLEY
LOCATOR NO. 07K630185
DB. 24002 PG. 906
1270 MULLANPHY ROAD

8 LOT 4
PROPERTY N/F
TRIPLE M HOLDINGS LLC
LOCATOR NO. 07K630130
DB. 22570 PG. 1363
1260 MULLANPHY ROAD

9 LOT 3
PROPERTY N/F
LUKE GRAHAM
LOCATOR NO. 07K630086
DB. 23950 PG. 1073
1240 MULLANPHY ROAD

LOT 2
PROPERTY N/F
JOSEPH JOHN CERIOTTI, TRUSTEE OF THE JOSEPH JOHN CERIOTTI & JUNE CAROL CERIOTTI INDENTURE OF TRUST
LOCATOR NO. 07K630086
DB. 21787 PG. 332
1220 MULLANPHY ROAD

LOT 214
PROPERTY N/F
JAMES W. JACKSON JR. &
LEATA M. JACKSON
LOCATOR NO. 07K630152
DB. 10153 PG. 2232
1215 MULLANPHY ROAD

LOT 215
PROPERTY N/F
SMP HOMES 3B LLC
LOCATOR NO. 07K630107
DB. 22304 PG. 3647
1195 MULLANPHY ROAD

LOT 216
PROPERTY N/F
KIMBERLY E. CARSON
LOCATOR NO. 07K630064
DB. 18642 PG. 3670
1175 MULLANPHY ROAD

LOT 217
PROPERTY N/F
MAOR 888E8 LLC
LOCATOR NO. 07K611342
DB. 20155 PG. 823
1155 MULLANPHY ROAD

LOT 218
PROPERTY N/F
JONATHAN WELLS
LOCATOR NO. 07K611298
DB. 17887 PG. 4993
1145 MULLANPHY ROAD

LOT 219
PROPERTY N/F
THE GILLIAN ROACH
LIVING TRUST
LOCATOR NO. 07K611243
DB. 22760 PG. 2262
1125 MULLANPHY ROAD

LOT 220
PROPERTY N/F
UP & UP FUND II MO LLC
LOCATOR NO. 07K611188
DOC. # 2022062300112
1605 ASPEN DRIVE

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

MATCHLINE STA. 126+00.00

MATCHLINE STA. 131+00.00

CONST. LIMITS

RAMP 10

EXIST. R/W

STA. 400+00.00 GREELEY =
STA. 127+14.97 MULLANPHY

SIGN (TBR)

RAMP 11

RAMP 11A

RAMP 12

14' TRANSITION
STA. 400+29.13 GREELEY
END MILL & OVERLAY
PARTIAL DEPTH SAWCUT

EXIST. R/W

CONST. LIMITS

5'W. CONC. SIDEWALK

EXIST. R/W

12" CONCRETE RETAINING WALL

EX GRATE INLET
W/ SIDE INTAKE
07K2-143D
T=518.84
FL=515.54
(ATG)

EX GRATE INLET
W/ SIDE INTAKE
07K2-144D
T=518.60
FL=±516.00 (SILT)
(ATG)

15"RCP

12"RCP

STA. 126+08.33
P.E. 16.5' W. CONC.

STA. 128+22.89
P.E. 18.2' W. CONC.

STA. 128+89.34
P.E. 9.0' W. CONC.

STA. 129+58.15
P.E. 16.4' W. CONC.

STA. 130+17.22
P.E. 15.8' W. CONC.

STA. 130+81.59
P.E. 19.3' W. CONC.

1 LOT 1
PROPERTY N/F
TANYA SMITH-THOMPSON &
WILLIAM THOMPSON JR.
LOCATOR NO. 07K611331
DB. 24192 PG. 2339
1103 GREELEY DRIVE

10 LOT 1
PROPERTY N/F
BRETT SMITH
LOCATOR NO. 07K611265
DB. 24022 PG. 1687
1160 MULLANPHY ROAD

11 LOT 2
PROPERTY N/F
VB TWO, LLC
LOCATOR NO. 07K611210
DB. 24590 PG. 1786
1140 MULLANPHY ROAD

LOT 3
PROPERTY N/F
SMP HOMES 3B LLC
LOCATOR NO. 07K611166
DB. 22304 PG. 3647
1130 MULLANPHY ROAD

LOT 4
PROPERTY N/F
CHRISTOPHER W. THORNBURGH
LOCATOR NO. 07K611111
DB. 24367 PG. 22
1120 MULLANPHY ROAD

12 LOT 5
PROPERTY N/F
VB TWO, LLC
LOCATOR NO. 07K611078
DB. 24590 PG. 1789
1100 MULLANPHY ROAD

13 LOT 6
PROPERTY N/F
LEZELL A. BROWN
LOCATOR NO.
07K611023
DOC. #
2023081800234
1080 MULLANPHY
ROAD

NOTES:

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LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (ENTRANCE, MEDIAN, SIDE ROADS & SIDEWALK)

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to only those and I hereby disclaim any responsibility for all other documents, specifications or Estimates. Reports or other documents or instruments relating to or intended to be used for any part of this engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S Davis
04/21/2026 4:11:04 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
33 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314-432-0550 FAX: 314-432-0551
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

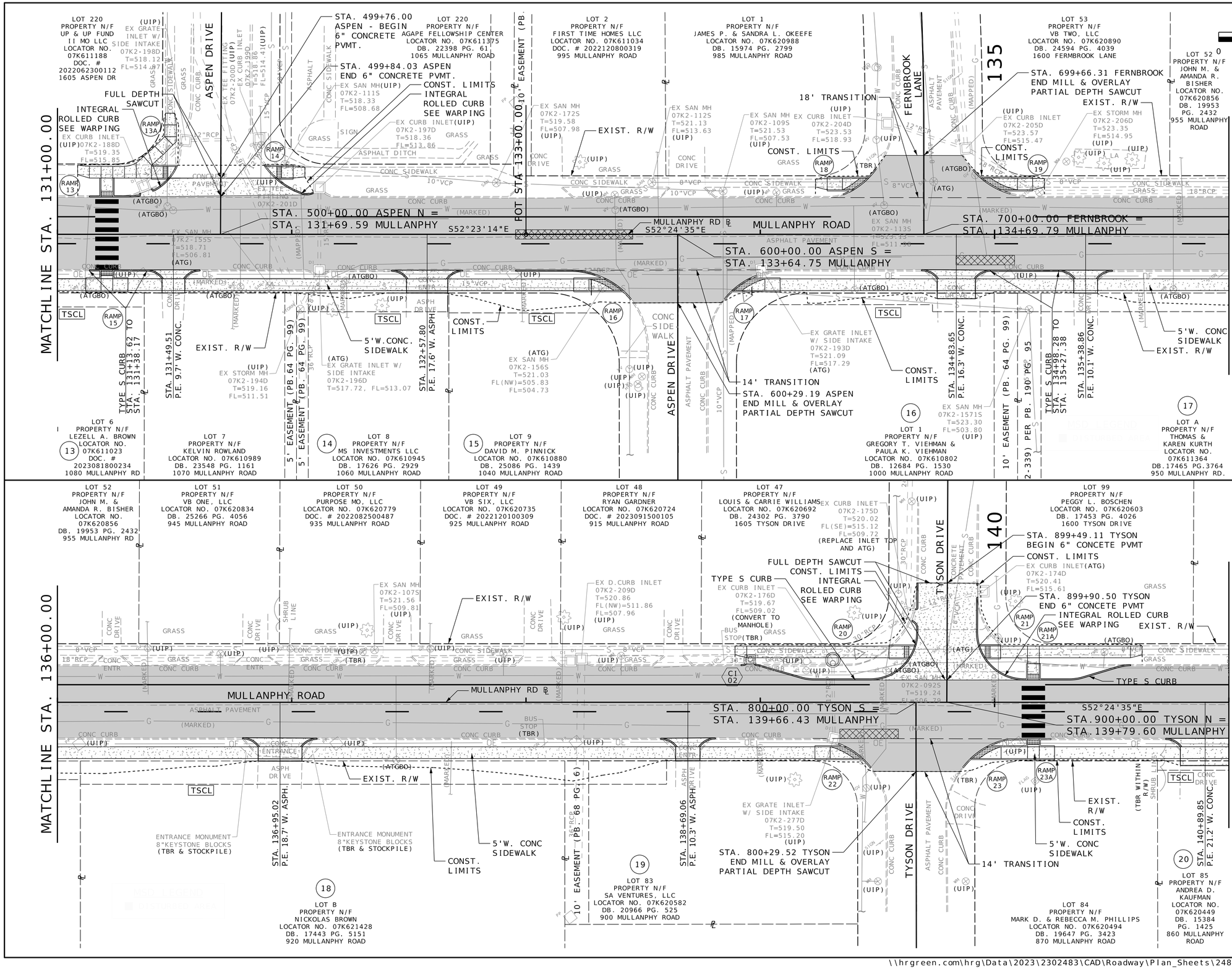
St. Ferdinand de Fleurissant 1796 Est. City of Florissant

MULLANPHY ROAD RESURFACING

ROADWAY PLAN
(SHEET 3 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 17 OF 97

\\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-17-Plan03.dgn 1:54:06 PM 4/21/2026



UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

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- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (ENTRANCE, MEDIAN, SIDE ROADS & SIDEWALK)

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS			
REV	DATE	BY	APP'D
		DESCRIPTION	

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STATE OF MISSOURI — ANDREA S. DAVIS PE-2018021250 — PROFESSIONAL ENGINEER
Andrea S. Davis
04/21/2026 4:11:10 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY: HRGreen — 320 MARKET AVE. | SOUTH ROOM, STE. 100, ST. LOUIS, MO 63101 | 314.241.1976 | HRGREEN.COM
ANDREA S. DAVIS PROFESSIONAL ENGINEER LICENSE NO. 2018021250

Bt. Fontinsant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

ROADWAY PLAN (SHEET 4 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 18 OF 97

SCALE 1"=20'
0 20 40 60

MATCHLINE STA. 141+00.00

MATCHLINE STA. 146+00.00

MATCHLINE STA. 151+00.00

MULLANPHY ROAD

MULLANPHY RD ℄

S52°24'35"E

ASPHALT PAVEMENT (MARKED)

LOT 100
PROPERTY N/F
KAREN F. & RICHARD L. WIND
LOCATOR NO. 07K620559
DB. 7002 PG. 0122
855 MULLANPHY ROAD

PROPERTY N/F
PATRICK M. &
TANYA E. NEISTAT
LOCATOR NO. 07K620526
DOC. 20230926000356
845 MULLANPHY ROAD

PROPERTY N/F
DAVID J. & KATHY BOSS
LOCATOR NO. 07K620472
DB. 7363 PG. 684
825 MULLANPHY ROAD

LOT 1
PROPERTY N/F
DANIEL FLY
LOCATOR NO. 07K620405
DB. 23100 PG. 2262
805 MULLANPHY ROAD

LOT 2
PROPERTY N/F
TAO HOLDINGS LLC
LOCATOR NO. 07K620362
DB. 22064 PG. 2412
795 MULLANPHY ROAD

LOT 3
PROPERTY N/F
RONALD C. CASAGRANDE II
& LORI A. CASAGRANDE
LOCATOR NO. 07K620306
DB. 8652 PG. 1825
785 MULLANPHY ROAD

LOT 4
PROPERTY N/F
HARRY A. BILLITER &
MARJORIE G.
SCHWENK-BILLITER
LOCATOR NO. 07K620241
DB. 17970 PG. 4586
765 MULLANPHY ROAD

LOT 85
PROPERTY N/F
ANDREA D. KAUFMAN
LOCATOR NO. 07K620449
DB. 15384 PG. 1425
860 MULLANPHY ROAD

LOT 86
PROPERTY N/F
FRANK HEINLE
LOCATOR NO. 07K620416
DOC. 202305170055 8
850 MULLANPHY ROAD

LOT 87
PROPERTY N/F
RAINY DAYS LLC
LOCATOR NO. 07K620340
DB. 25154 PG. 2542
830 MULLANPHY ROAD

LOT 88
PROPERTY N/F
RAINY DAYS LLC
LOCATOR NO. 07K620285
DOC. 202208190043 3
820 MULLANPHY ROAD

LOT 89
PROPERTY N/F
JAMES WARNER
LOCATOR NO. 07K620229
DB. 20756 PG. 1167
800 MULLANPHY ROAD

LOT 90
PROPERTY N/F
DOUGLAS M. &
BEVERLY S. KLINE
LOCATOR NO. 07K620164
DB. 6728 PG. 487
790 MULLANPHY ROAD

LOT 91
PROPERTY N/F
55+ PROPERTIES LLC
LOCATOR NO. 07K620087
DB. 24060 PG. 2700
770 MULLANPHY ROAD

LOT 5
PROPERTY N/F
DARLISSA STEEPLES
LOCATOR NO. 07K620207
DB. 17134 PG. 1023
745 MULLANPHY ROAD

LOT 6
PROPERTY N/F
FYR SFR BORROWER, LLC
C/O HAVENBROOK HOMES
LOCATOR NO. 07K620142
DB. 23838 PG. 1204
735 MULLANPHY ROAD

LOT 7
PROPERTY N/F
PATRICIA A. RUTLEDGE
LOCATOR NO. 07K620108
DB. 21765 PG. 393
725 MULLANPHY ROAD

LOT 8
PROPERTY N/F
AARON & ANDREA KINDER
LOCATOR NO. 07K620065
DOC. 202206100008 2
715 MULLANPHY ROAD

LOT 9
PROPERTY N/F
WENDELL HERNANDEZ &
JACQUELINE MALONEY
LOCATOR NO. 07K620010
DB. 20924 PG. 1119
705 MULLANPHY ROAD

LOT 10
PROPERTY N/F
TRM RENTAL SOLUTIONS LLC
LOCATOR NO. 07J131171
DB. 20714 PG. 1203
695 MULLANPHY ROAD

LOT 11
PROPERTY N/F
BRITTANY K.
MCGINNIS
LOCATOR NO.
07J131137
DB. 23424
PG. 2730
685 MULLANPHY RD

LOT 12
PROPERTY N/F
CAPITAL PROPERTY LLC
LOCATOR NO. 07J131094
DOC. 20230307004 5
675 MULLANPHY ROAD

LOT 92
PROPERTY N/F
MID STATE HOLDINGS LLC
LOCATOR NO. 07K620032
DB. 24326 PG. 4476
760 MULLANPHY ROAD

LOT 93
PROPERTY N/F
RORY C. PIERCE
LOCATOR NO. 07K341467
DB. 22566 PG. 227
740 MULLANPHY ROAD

LOT 94
PROPERTY N/F
DANIELLE D. THOMAS
LOCATOR NO. 07K341401
DB. 22238 PG. 2658
730 MULLANPHY ROAD

LOT 95
PROPERTY N/F
PATRICK T. COOLEY
LOCATOR NO. 07K341324
DB. 12234 PG. 0844
720 MULLANPHY ROAD

LOT 96
PROPERTY N/F
AMELITA M. ROGERS
LOCATOR NO. 07J130873
DB. 25400 PG. 2119
650 MULLANPHY ROAD

LOT 1
PROPERTY N/F
KATHERINE M. FIELD
LOCATOR NO. 07J130941
DB. 12651 PG. 343
680 MULLANPHY ROAD

10' EASEMENT (PB. 69 PG. 7)
24"RCP
10' EASEMENT (PB. 68
5' EASEMENT (PB. 68 PG. 6)
EASEMENT (PB. 68 PG. 6)

EXIST. R/W
EX SAN MH 07K2-093S T=517.38 FL=505.18 (UIP)
12"KEYSTONE BLOCK WALL
YARD LIGHT
EX GRATE INLET W/ SIDE INTAKE 07K2-167D T=516.16 FL=511.96 (ATG)
CLEANOUT (NO ACCESS)
EX SAN MH 07K2-099S T=517.38 FL=503.68 (UIP)
EXIST. R/W
EX SAN MH 07J4-031S T=515.40 FL(NW)=500.55 FL=498.90(UIP)
EX SAN MH 07K2-094S T=517.45 FL=504.50
EX GRATE INLET W/ SIDE INTAKE 07K2-168D T=516.42 FL=511.62 (ATG)
EX SAN MH 07K2-100S T=514.92 FL=502.12 (UIP)
(ATG) EX GRATE INLET W/ SIDE INTAKE 07K3-010D T=513.11 FL=510.71
EX GRATE INLET W/ SIDE INTAKE 07K3-011D T=513.25 FL=510.25 (ATG)
EX SAN MH 07K3-140S T=514.76 FL=500.76 (UIP)
EX SAN MH 07J4-032S T=514.76 FL=499.51 (ATG)
(UIP) EX STORM MH 07K2-165D T=517.68 FL=508.38

STA. 141+94.57 P.E. 10.5' W. CONC.
TYPE S CURB STA. 142+05.05 TO STA. 142+26.71
STA. 142+41.79 P.E. 17.7' W. CONC.
CONST. LIMITS
EXIST. R/W
5'W. CONC SIDEWALK
STA. 143+41.79 P.E. 20.0' W. CONC.
STA. 143+90.55 P.E. 21.4' W. CONC.
STA. 144+98.99 P.E. 19.8' W. CONC.
STA. 145+40.91 P.E. 18.5' W. CONC.
① TYPE S CURB STA. 143+65.55 TO STA. 143+73.63
② TYPE S CURB STA. 145+15.14 TO STA. 145+25.41

STA. 146+47.89 P.E. 17.6' W. CONC.
STA. 146+91.21 P.E. 18.7' W. CONC.
STA. 147+99.70 P.E. 20.3' W. ASPH
STA. 148+41.69 P.E. 18.5' W. CONC.
③ TYPE S CURB STA. 146+62.93 TO STA. 146+75.63
④ TYPE S CURB STA. 148+15.66 TO STA. 148+26.63
⑤ TYPE S CURB STA. 148+57.19 TO STA. 148+64.44
STA. 150+95.39 P.E. 9.1' W. CONC.

STA. 1000+00.00 FLOR PARK S = STA. 149+96.57 MULLANPHY
14' TRANSITION
STA. 1000+29.58 FLORISSANT PARK END MILL & OVERLAY PARTIAL DEPTH SAWCUT
FLORISSANT PARK DRIVE

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

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LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (ENTRANCE, MEDIAN, SIDE ROADS & SIDEWALK)

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S. Davis
04/21/2026 4:11:16 PM
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
550 MARYVILLE CENTRE DRIVE, STE. 500, ST. LOUIS, MO 63141
(314) 579-0900 HRGREEN.COM
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Fleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

ROADWAY PLAN (SHEET 5 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 19 OF 97

SCALE 1"=20'
0 20 40 60

MATCHLINE STA. 151+00.00

MATCHLINE STA. 156+00.00

LOT 13
PROPERTY N/F
JEFFREY LUER
LOCATOR NO. 07J131038
DB. 13419 PG. 1393
1605 FLORISSANT PARK DRIVE

LOT 66
PROPERTY N/F
THOMAS B. & LINDA S. MALONEY
LOCATOR NO. 07J130950
DB. 9267 PG. 1226
635 MULLANPHY ROAD

LOT 67
PROPERTY N/F
DARRELL LANE &
NICHOLE CELITA
LOCATOR NO. 07J130914
DOC. 2023080100126
605 MULLANPHY ROAD

LOT 68
PROPERTY N/F
KELLY E. HEIMERDINGER
LOCATOR NO. 07J130884
DB. 14888 PG. 2465
595 MULLANPHY ROAD

LOT 69
PROPERTY N/F
SPLASH CAPITAL
GROUP, LLC
LOCATOR NO. 07J130822
DB. 25036 PG. 4865
575 MULLANPHY ROAD

FLORISSANT PARK DRIVE

MULLANPHY COURT

MULLANPHY ROAD

MULLANPHY RD ℄

S52°24'35"E

STA. 1099+50.05
FLORISSANT PARK
BEGIN 6" CONCRETE PVMT
INTEGRAL ROLLED CURB
STA. 1099+90.50
FLORISSANT PARK
END 6" CONCRETE PVMT
CONST. LIMITS

FULL DEPTH SAWCUT
INTEGRAL ROLLED CURB
CONST. LIMITS

TYPE S CURB
SEE WARPING

STA. 152+89.85
P.E. 8.2' W. CONC.

5' EASEMENT (PB. 68 PG. 19)

EXIST. R/W

25' TRANSITION

END MILL & OVERLAY
STA. 154+84.37

STA. 1100+00.00 FLOR PARK N =
STA. 151+93.80 MULLANPHY

STA. 1200+00.00 VESPER =
STA. 153+18.31 MULLANPHY

VESPER DRIVE

EX STORM MH
07J4-0188D
T=513.86
FL=507.3

EX CURB INLET
07J4-037D
T=512.78
FL=508.08

EX STORM MH
NO MSD#
T=514.57
FL=±508.57
(SILT)

EX CURB INLET
07J4-041D
T=512.77
FL=507.57

EX SAN MH
07J4-034S
T=513.01
FL=493.01

EX CURB INLET
07J4-038D
T=512.74
FL=509.04

EX SAN MH
07J4-035S
T=515.69
FL=495.09

EX CURB INLET
07J4-040D
T=513.73
FL=508.13
(UIP)

STA. 151+41.64
P.E. 19.9' W. CONC.

STA. 152+08.99
P.E. 19.5' W. CONC.

STA. 154+22.92
P.E. 9.7' W. CONC.

STA. 154+49.26
P.E. 10.0' W. CONC.

STA. 155+12.65
P.E. 17.6' W. CONC.

STA. 1200+37.31 VESPER
END MILL & OVERLAY
PARTIAL DEPTH SAWCUT

21.5' TRANSITION

5'W. CONC
SIDEWALK

LA(UIP) CONST. LIMITS
8"KEYSTONE
BLOCKS(UIP)
(UIP, TRIM
TO SIDEWALK)

8"KEYSTONE
BLOCKS(UIP)

4"BRICK

29 LOT 1
PROPERTY N/F
KATHERINE M. FIELD
LOCATOR NO. 07J130941
DB. 12651 PG. 343
680 MULLANPHY ROAD

10' EASEMENT (PB. 68 PG. 6)
5' EASEMENT (PB. 89 PG. 19)

30 LOT 1
PROPERTY N/F
AMELITA M. ROGERS
LOCATOR NO. 07J130873
DB. 25400 PG. 2119
650 MULLANPHY ROAD

31 LOT 23
PROPERTY N/F
BEVERLY C. SMITH
LOCATOR NO.
07J130785
DB. 23618 PG. 2574
610 MULLANPHY ROAD

32 LOT 1
PROPERTY N/F
TIMOTHY WILBURN
LOCATOR NO. 07J130721
DB. 19683 PG. 2577
580 MULLANPHY ROAD

33 LOT 2
PROPERTY N/F
NELLIE J. WILBURN
LOCATOR NO.
07J130664
DB. 23691 PG. 134
550 MULLANPHY ROAD

① TYPE S CURB
STA. 151+06.19 TO
STA. 151+25.46

② TYPE S CURB
STA. 152+25.15 TO
STA. 152+49.02

③ TYPE S CURB
STA. 154+34.00 TO
STA. 154+38.02

④ TYPE S CURB
STA. 154+59.74 TO
STA. 154+96.58

LOT 76
PROPERTY N/F
PHILLIP HANNEKE
LOCATOR NO. 07J131258
DB. 19303 PG. 1508
535 MULLANPHY ROAD

LOT 75
PROPERTY N/F
PAUL J. & PATRICIA A. YOUNG
LOCATOR NO. 07J131357
DB. 11685 PG. 0883
525 MULLANPHY ROAD

PROPERTY N/F
UNION ELECTRIC COMPANY
LOCATOR NO. 07J41440
DB. 1554 PG. 286
1771 PATTERSON ROAD

10' EASEMENT (PB. 91 PG. 10)

END PROJECT
STA. 156+53.27

END STA 160+00.00

160

PATTERSON ROAD

SIGNAL
ONTROLLER
CABINET
4" STEEL
BOLLARD

2'X2'
PULLBOX

EX SAN MH
07J4-128S
T=513.23
FL=490.73

EX STORM MH
07J4-015D
T=512.85
FL=508.95

EX CURB INLET
07J4-015A
T=513.04
FL=510.49

EX CURB INLET
07J4-039D
T=513.09
FL=508.89
(UIP)

CABLE
DROP

BUS
STOP

CONC
ISLAND

ANGELUS
CONCRETE
DRIVEWAY

34 LOT 31
PROPERTY N/F
XUONG & DUNG QUACH
LOCATOR NO.
07J130576
DB. 18208 PG. 41
530 MULLANPHY ROAD

35 PROPERTY N/F
CITY OF
FLORISSANT
LOCATOR NO.
07J130246
DB. 6742
PG. 2329
1510 ANGELUS
DRIVE

36 PROPERTY N/F
UNION ELECTRIC COMPANY
LOCATOR NO. 07J131379
DB. 1554 PG. 286
1599 PATTERSON ROAD

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

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- PROPOSED FULL DEPTH PAVEMENT REPAIR
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COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S. Davis
04/21/2026 4:11:21 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Plaurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

ROADWAY PLAN (SHEET 6 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 20 OF 97
BRIDGE SHEET NO.: OF

\\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-20-Plan06.dgn 1:54:23 PM 4/21/2026

PROPERTY N/F
LAND WEST #7 LLC
LOCATOR NO. 06K220914
DB 18905 PG 1819
1200 SHACKELFORD RD.

NO TAKINGS

PROPERTY N/F
MULLANPHY GARDENS ACQUISITIONS LLC
LOCATOR NO. 06K220941
DB 17663 PG 4162
1 MULLANPHY GARDENS SHOPPING CENTER

NO TAKINGS

SCALE
0 20 40 60

105

MATCHLINE STA. 106+00.00

SHACKELFORD ROAD (WIDTH VARIES)

(MARKED)

MULLANPHY ROAD (WIDTH VARIES)

MULLANPHY RD ℄

NO TAKINGS

PROPERTY N/F
TCC SHACKELFORD LLC
LOCATOR NO. 07K511403
DB 21354 PG 1466
1160 SHACKELFORD ROAD

253 (PG. 14)

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

NOTES:

1) ALL STATIONS & OFFSETS GIVEN TO THE MULLANPHY RD ℄ UNLESS NOTED OTHERWISE.

PROPERTY N/F
MULLANPHY GARDENS ACQUISITIONS LLC
LOCATOR NO. 06K220941
DB 17663 PG 4162
1 MULLANPHY GARDENS SHOPPING CENTER

NO TAKINGS

BEGIN PROJECT MILL & OVERLAY
STA. 106+91.07

MULLAN DRIVE (50' WIDE)

LOT 7
PROPERTY N/F
WILLIAM M. & ANTOINETTE M. MARTIN
LOCATOR NO. 07K541272
DB 7104 PG 0566
1595 MULLANPHY ROAD

NO TAKINGS

5' ℄ EASEMENT (PB. 95)
5' ℄ EASEMENT (PB. 95)

LOT 8
PROPERTY N/F
MARY T. TOCCO ETAL
LOCATOR NO. 07K541272
DB 7104 PG 0566
1575 MULLANPHY ROAD

NO TAKINGS

110

LOT 9
PROPERTY N/F
VB ONE LLC
LOCATOR NO. 07K541173
DB 25388 PG 3081
1565 MULLANPHY ROAD

NO TAKINGS

MATCHLINE STA. 106+00.00

MULLANPHY ROAD (WIDTH VARIES)

STA. 100+00.00 MULLAN =
STA. 108+24.98 MULLANPHY

STA. 200+00.00 ASPEN =
STA. 110+10.38 MULLANPHY

MULLANPHY RD ℄

MATCHLINE STA. 111+00.00

PSE

+40.35
24.79'
+66.69
15.00'
+66.69
25.00'

+65.34
15.00'
+65.35
25.00'

10' EASEMENT (PB. 93 PG. 10)

ASPEN DRIVE (50' WIDE)

NO TAKINGS

PROPERTY N/F
TCC SHACKELFORD LLC
LOCATOR NO. 07K511403
DB 21354 PG 1466
1160 SHACKELFORD ROAD

EXISTING	10981 S.F.
PERM ESMT	977 S.F.
REM. AREA	10981 S.F.

1

PROPERTY N/F
CECIL M. MAXIE
LOCATOR NO. 07K541348
DB 24924 PG 2615
1600 MULLANPHY ROAD

NO TAKINGS

LOT 1
PROPERTY N/F
VB TWO LLC
LOCATOR NO. 07K541128
DB 24594 PG 4039
1570 MULLANPHY ROAD

NO TAKINGS

LOT 11
PROPERTY N/F
WAYNE & RHONDA MARICLE
LOCATOR NO. 07K541041
DB 17801 PG 4194
1570 ASPEN ROAD

LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (SIDEWALK, ENTRANCE, & SIDE ROADS)
- TEMPORARY CONST. EASEMENT (TSCL)
- PERMANENT SIDEWALK EASEMENT (PSE)

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to the Plans only, and I hereby disclaim any responsibility for all other Contract Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of this engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S. Davis
04/21/2026 4:11:26 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
120 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Fleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

RIGHT OF WAY SHEET (SHEET 1 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 21 OF 97

\\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-21-ROW01.dgn 1:12:40 PM 4/21/2026

LOT 10
PROPERTY N/F
DAVID W. & ROSE M. HOLMES
LOCATOR NO. 07K541139
DB 22232 PG 2650
1545 MULLANPHY ROAD
NO TAKINGS

LOT 11
PROPERTY N/F
LYNDON & JENNIFER BOEHIKE
LOCATOR NO. 07K541096
DB 15979 PG 0334
1525 MULLANPHY ROAD
NO TAKINGS

LOT 12
PROPERTY N/F
KATHERINE BOGGS, TRUSTEE AND BRUCE WESLY BOGGS, TRUSTEE OF THE ARLENE KATHERINE BOGGS AND BRUCE WESLEY BOGGS REVOCABLE LIVING TRUST DATED 5/5/2000.
LOCATOR NO. 07K541096
DB 22888 PG 3116
1505 MULLANPHY ROAD
NO TAKINGS

LOT 13
PROPERTY N/F
CEREERUS SFR HOLDINGS LP
LOCATOR NO. 07K541007
DB 22726 PG 3222
1495 MULLANPHY ROAD
NO TAKINGS

LOT 14
PROPERTY N/F
K1 PROPERTIES SOLUTIONS LLC
LOCATOR NO. 07K540985
DB 24420 PG 5903
1485 MULLANPHY ROAD
NO TAKINGS

LOT 15
PROPERTY N/F
PHILLIP MICHAEL JOKERST
LOCATOR NO. 07K540921
DB 23854 PG 5198
1465 MULLANPHY ROAD
NO TAKINGS

LOT 16
PROPERTY N/F
V8 ONE LLC
LOCATOR NO. 07K540886
DOC. # 2022041500071
1445 MULLANPHY ROAD
NO TAKINGS

115

SCALE
0 20 40 60

MATCHLINE STA. 111+00.00

MULLANPHY ROAD (WIDTH VARIES)

MULLANPHY RD ℄

MATCHLINE STA. 116+00.00

NO TAKINGS
LOT 10
PROPERTY N/F
ANNE CALLAWAY
LOCATOR NO. 07K541018
DB 17981 PG 1061
1530 MULLANPHY ROAD

NO TAKINGS
LOT 9
PROPERTY N/F
CHRISTOPHER EVANS & CHRISTINA GALVIN
LOCATOR NO. 07K540974
DB 17906 PG 4825
1520 MULLANPHY ROAD

NO TAKINGS
LOT 8
PROPERTY N/F
MARK GRZECHOWIAK
LOCATOR NO. 07K540930
DB 19016 PG 747
1510 MULLANPHY ROAD

NO TAKINGS
LOT 7
PROPERTY N/F
RTL LIVING LLC
LOCATOR NO. 07K540897
DOC. # 2023071900208
1490 MULLANPHY ROAD

NO TAKINGS
LOT 6
PROPERTY N/F
Y.A.D. HOLDINGS LLC
LOCATOR NO. 07K540853
DB.19987 PG. 431
1480 MULLANPHY ROAD

NO TAKINGS
LOT 5
PROPERTY N/F
CHRISTOPHER & LOTONYA MITCHELL
LOCATOR NO. 07K540811
DOC. # 2023061600535
1470 MULLANPHY ROAD

NO TAKINGS
LOT 4
PROPERTY N/F
MOHAMED ABDELMABAD
LOCATOR NO. 07K540776
DOC. # 2022071100682
1460 MULLANPHY ROAD

NO TAKINGS
LOT 3
PROPERTY N/F
AARON D. YODER ETAL
LOCATOR NO. 07K540710
DB. 17788 PG. 3638
1440 MULLANPHY ROAD

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

LOT 17
PROPERTY N/F
THEODORE C. & MARIAN E. FEICK
LOCATOR NO. 07K540831
DB. 17366 PG. 1596
1425 MULLANPHY ROAD
NO TAKINGS

LOT 18
PROPERTY N/F
DAVID W. & ROSE M. HOLMES
LOCATOR NO. 07K540798
DB. 21080 PG. 1672
1405 MULLANPHY ROAD
NO TAKINGS

LOVELAND DRIVE (50' WIDE)

LOT 204
PROPERTY N/F
LYNNETTE K. PARKER
LOCATOR NO. 07K630789
DB. 9414 PG. 1645
1395 MULLANPHY ROAD
NO TAKINGS

STA. 118+71.40
P.E. 9.3' W. CONC.

5' EASEMENT (PB. 74 PG. 18)
5' EASEMENT (PB. 74 PG. 18)

LOT 205
PROPERTY N/F
MARGERY A. & GEORGE G. TYSON
LOCATOR NO. 07K630723
DB. 16593 PG. 2221
1375 MULLANPHY ROAD
NO TAKINGS

120

LOT 206
PROPERTY N/F
BOBRIE GLENN
LOCATOR NO. 07K630668
DB. 12470 PG. 1136
1355 MULLANPHY ROAD
NO TAKINGS

LOT 207
PROPERTY N/F
RENTSTL LLC
LOCATOR NO. 07K630602
DB. 21594 PG. 1369
1335 MULLANPHY ROAD
NO TAKINGS

NOTES:

1) ALL STATIONS & OFFSETS GIVEN TO THE MULLANPHY RD ℄ UNLESS NOTED OTHERWISE.

MULLANPHY RD ℄

MULLANPHY ROAD (WIDTH VARIES)

STA. 300+00.00 LOVELAND =
STA. 118+03.53 MULLANPHY

LOVELAND DRIVE (50' WIDE)

MAPPED

STA. 119+58.17
P.E. 19.3' W. CONC.

STA. 119+76.85
P.E. 18.0' W. CONC.

STA. 120+84.91
P.E. 9.6' W. CONC.

TSCL

+75.00
25.00'
+75.00
30.00'
+97.86
25.00'
+97.86
30.00'

MATCHLINE STA. 121+00.00

NO TAKINGS
LOT 3
PROPERTY N/F
AARON D. YODER ETAL
LOCATOR NO. 07K540710
DB. 17788 PG. 3638
1440 MULLANPHY ROAD

NO TAKINGS
LOT 2
PROPERTY N/F
BRIAN & KRISTENE HOLMES
LOCATOR NO. 07K540699
DOC. 2022092200455
1420 MULLANPHY ROAD

NO TAKINGS
LOT 1
PROPERTY N/F
DANIEL P. MAYSE
LOCATOR NO. 07K540633
DB. 8643 PG. 1863
1125 LOVELAND DRIVE

NO TAKINGS
LOT 13
PROPERTY N/F
TERRENCE MOODY
LOCATOR NO. 07K540556
DOC. # 2022072600317
1102 LOVELAND DRIVE

NO TAKINGS
LOT 12
PROPERTY N/F
BELINDA TUCKER
LOCATOR NO. 07K630547
DB. 19068 PG. 812
1360 MULLANPHY ROAD

NO TAKINGS
LOT 11
PROPERTY N/F
ALICE VERNER
LOCATOR NO. 07K630503
DB. 21807 PG. 588
1340 MULLANPHY ROAD

EXISTING	7769 S.F.
TCE	114 S.F.
REM. AREA	7769 S.F.

(2) LOT 10
PROPERTY N/F
PAIGE RYAN
LOCATOR NO. 07K630448
DB. 24804 PG. 1714
1320 MULLANPHY ROAD

LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (SIDEWALK, ENTRANCE, & SIDE ROADS)
- TEMPORARY CONST. EASEMENT (TSCL)
- PERMANENT SIDEWALK EASEMENT (PSE)

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
04/21/2026 4:11:32 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

RIGHT OF WAY SHEET (SHEET 2 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 22 OF 97

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LOT 207
PROPERTY N/F
RENTSTL LLC
LOCATOR NO. 07K630602
DB. 21594 PG. 1369
1335 MULLANPHY ROAD

NO TAKINGS

LOT 208
PROPERTY N/F
NORMAN R. & JUDITH A. SCHEIG
LOCATOR NO. 07K630536
DB. 6755 PG. 2127
1315 MULLANPHY ROAD

NO TAKINGS

LOT 209
PROPERTY N/F
KI PROPERTIES SOLUTIONS LLC
LOCATOR NO. 07K630471
DB. 24322 PG. 2074
1295 MULLANPHY ROAD

NO TAKINGS

LOT 210
PROPERTY N/F
HOME SFR BORROWER III, LLC
LOCATOR NO. 07K630415
DB. 22642 PG. 555
1285 MULLANPHY ROAD

NO TAKINGS

LOT 211
PROPERTY N/F
FOSTON PROPERTIES LLC
LOCATOR NO. 07K630350
DB. 22678 PG. 3140
1275 MULLANPHY ROAD

NO TAKINGS

5' EASEMENT (PB. 95 P(
5' EASEMENT (PB.

LOT 212
PROPERTY N/F
MO HOUSING &
RE DEVELOPMENT, LLC
LOCATOR NO. 07K630295
DB. 20996 PG. 2114
1255 MULLANPHY ROAD

NO TAKINGS

10' EASEMENT (PB. 95 PG. 50)

125

LOT 213
PROPERTY N/F
ANDREW C. WILSON
LOCATOR NO. 07K630228
DB. 15842 PG. 1814
1235 MULLANPHY ROAD

NO TAKINGS

SCALE
0 20 40 60

MATCHLINE STA. 121+00.00

MULLANPHY ROAD (WIDTH VARIES)

MULLANPHY RD ℄

MATCHLINE STA. 126+00.00

STA. 121+11.03
P.E. 9.6' W. CONC.
+20.00' 30.00'
+20.00' 27.00'

TSCL

STA. 122+18.53
P.E. 16.8' W. CONC.
+62.87' 31.00'
+62.87' 27.00'
+62.87' 25.00'
+02.87' 31.00'
+02.87' 37.00'

STA. 122+43.39
P.E. 9.3' W. CONC.
+27.88' 37.00'
+27.88' 25.00'
+51.88' 37.00'
+51.88' 31.00'

STA. 123+49.39
P.E. 17.6' W. CONC.
+92.89' 25.00'
+92.89' 31.00'
+92.89' 29.00'

STA. 123+67.68
P.E. 16.9' W. ASPH.
+57.91' 24.97'
+57.91' 29.00'

STA. 124+74.70
P.E. 9.3' W. ASPH.
+22.92' 25.00'
+22.92' 29.00'

STA. 125+02.70
P.E. 9.5' W. CONC.
+87.93' 25.00'
+87.80' 29.00'
+87.93' 31.00'

EXISTING	7769 S.F.
TCE	196 S.F.
REM. AREA	7769 S.F.

3 LOT 9
PROPERTY N/F
BRYANT WOODARD
LOCATOR NO. 07K630404
DB. 24412 PG. 2677
1310 MULLANPHY ROAD

EXISTING	7769 S.F.
TCE	540 S.F.
REM. AREA	7769 S.F.

4 LOT 8
PROPERTY N/F
GWENDOLYN M. GRAHAM
LOCATOR NO. 07K630349
DB. 23664 PG. 431
1300 MULLANPHY ROAD

EXISTING	7769 S.F.
TCE	534 S.F.
REM. AREA	7769 S.F.

5 LOT 7
PROPERTY N/F
STANLEY & ATHENA TURNER
LOCATOR NO. 07K630284
DB. 17494 PG. 2845
1290 MULLANPHY ROAD

EXISTING	7769 S.F.
TCE	260 S.F.
REM. AREA	7769 S.F.

6 LOT 6
PROPERTY N/F
FT PACIFIC RENTAL LLC
LOCATOR NO. 07K630240
DB. 21815 PG. 1052
1280 MULLANPHY ROAD

EXISTING	7769 S.F.
TCE	260 S.F.
REM. AREA	7769 S.F.

7 LOT 5
PROPERTY N/F
ANDREW R. WALLEY
LOCATOR NO. 07K630185
DB. 24002 PG. 906
1270 MULLANPHY ROAD

EXISTING	7769 S.F.
TCE	260 S.F.
REM. AREA	7769 S.F.

8 LOT 4
PROPERTY N/F
TRIPLE M HOLDINGS LLC
LOCATOR NO. 07K630130
DB. 22570 PG. 1363
1260 MULLANPHY ROAD

5' EASEMENT (PB. 74 PG. 18)
5' EASEMENT (PB. 74 PG. 18)

EXISTING	7769 S.F.
TCE	390 S.F.
REM. AREA	7769 S.F.

9 LOT 3
PROPERTY N/F
LUKE GRAHAM
LOCATOR NO. 07K630086
DB. 23950 PG. 1073
1240 MULLANPHY ROAD

NO TAKINGS

LOT 2
PROPERTY N/F
JOSEPH JOHN CERIOTTI, TRUSTEE OF THE JOSEPH JOHN CERIOTTI & JUNE CAROL CERIOTTI INDENTURE OF TRUST
LOCATOR NO. 07K630086
DB. 21787 PG. 332
1220 MULLANPHY ROAD

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

LOT 214
PROPERTY N/F
JAMES W. JACKSON JR. &
LEATA M. JACKSON
LOCATOR NO. 07K630152
DB. 10153 PG. 2232
1215 MULLANPHY ROAD

NO TAKINGS

LOT 215
PROPERTY N/F
SMP HOMES 3B LLC
LOCATOR NO. 07K630107
DB. 22304 PG. 3647
1195 MULLANPHY ROAD

NO TAKINGS

LOT 216
PROPERTY N/F
KIMBERLY E. CARSON
LOCATOR NO. 07K630064
DB. 18642 PG. 3670
1175 MULLANPHY ROAD

NO TAKINGS

LOT 217
PROPERTY N/F
MAOR 888E8 LLC
LOCATOR NO. 07K611342
DB. 20155 PG. 823
1155 MULLANPHY ROAD

NO TAKINGS

LOT 218
PROPERTY N/F
JONATHAN WELLS
LOCATOR NO. 07K611298
DB. 17887 PG. 4993
1145 MULLANPHY ROAD

NO TAKINGS

5' EASEMENT (PB. 95 P
5' EASEMENT (PB. 95 P

130

LOT 219
PROPERTY N/F
THE GILLIAN ROACH
LIVING TRUST
LOCATOR NO. 07K611243
DB. 22760 PG. 2262
1125 MULLANPHY ROAD

NO TAKINGS

LOT 220
PROPERTY N/F
UP & UP FUND II MO LLC
LOCATOR NO. 07K611188
DOC. # 2022062300112
1605 ASPEN DRIVE

NO TAKINGS

MATCHLINE STA. 126+00.00

MULLANPHY ROAD (WIDTH VARIES)

MULLANPHY RD ℄

STA. 400+00.00 GREELEY =
STA. 127+14.97 MULLANPHY

MATCHLINE STA. 131+00.00

STA. 126+08.33
P.E. 16.5' W. CONC.

GREELEY DRIVE
(50' WIDE)

+39.97' 55.00'
30'R
+49.58' 33.00'
+69.97' 25.00'

TSCL

STA. 128+22.89
P.E. 18.2' W. CONC.
+12.03' 25.00'
+11.99' 33.00'

STA. 128+89.34
P.E. 9.0' W. CONC.
+77.00' 25.00'
+77.00' 33.00'

STA. 129+58.15
P.E. 16.4' W. CONC.

STA. 130+17.22
P.E. 15.8' W. CONC.
+07.03' 25.00'
+07.03' 31.00'

STA. 130+81.59
P.E. 19.3' W. CONC.
+72.04' 25.00'
+72.04' 31.00'

SEE NEXT SHEET FOR TAKINGS

EXISTING	8413 S.F.
TCE	448 S.F.
REM. AREA	8413 S.F.

10 LOT 1
PROPERTY N/F
BRETT SMITH
LOCATOR NO. 07K611265
DB. 24022 PG. 1687
1160 MULLANPHY ROAD

EXISTING	7769 S.F.
TCE	520 S.F.
REM. AREA	7769 S.F.

11 LOT 2
PROPERTY N/F
VB TWO, LLC
LOCATOR NO. 07K611210
DB. 24590 PG. 1786
1140 MULLANPHY ROAD

5' EASEMENT (PB. 64 PG. 99)
5' EASEMENT (PB. 64 PG. 99)

NO TAKINGS

LOT 3
PROPERTY N/F
SMP HOMES 3B LLC
LOCATOR NO. 07K611166
DB. 22304 PG. 3647
1130 MULLANPHY ROAD

NO TAKINGS

LOT 4
PROPERTY N/F
CHRISTOPHER W. THORNBURGH
LOCATOR NO. 07K611111
DB. 24367 PG. 22
1120 MULLANPHY ROAD

EXISTING	7769 S.F.
TCE	390 S.F.
REM. AREA	7769 S.F.

12 LOT 5
PROPERTY N/F
VB TWO, LLC
LOCATOR NO. 07K611078
DB. 24590 PG. 1789
1100 MULLANPHY ROAD

13 LOT 6
PROPERTY N/F
LEZELL A. BROWN
LOCATOR NO. 07K611023
DOC. # 2023081800234
1080 MULLANPHY ROAD

NOTES:

1) ALL STATIONS & OFFSETS GIVEN TO THE MULLANPHY RD ℄ UNLESS NOTED OTHERWISE.

LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (SIDEWALK, ENTRANCE, & SIDE ROADS)
- TEMPORARY CONST. EASEMENT (TSCL)
- PERMANENT SIDEWALK EASEMENT (PSE)

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are prepared by me, and I hereby disclaim any responsibility for all other documents, specifications, Opinions of Probable Construction Estimates, Reports or other documents or instruments relating to or intended to be used for any part of this engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
04/21/2026 4:11:37 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

RIGHT OF WAY SHEET (SHEET 3 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS

SHEET SEQUENCE:
23 OF 97

\\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-23-ROW03.dgn 1:12:49 PM 4/21/2026

LOT 220
PROPERTY N/F
UP & UP FUND
II MO LLC
LOCATOR NO.
07K611188
DOC. #
2022062300112
1605 ASPEN DR

NO TAKINGS

ASPEN DRIVE
(50' WIDE)

LOT 220
PROPERTY N/F
AGAPE FELLOWSHIP CENTER
LOCATOR NO. 07K611375
DB. 22398 PG. 61
1065 MULLANPHY ROAD

NO TAKINGS

HOT STA 133+00.00

10' ℄ EASEMENT (PB

LOT 2
PROPERTY N/F
FIRST TIME HOMES LLC
LOCATOR NO. 07K611034
DOC. # 2022120800319
995 MULLANPHY ROAD

NO TAKINGS

LOT 1
PROPERTY N/F
JAMES P. & SANDRA L. OKEEFE
LOCATOR NO. 07K620988
DB. 15974 PG. 2799
985 MULLANPHY ROAD

NO TAKINGS

FERNBROOK LANE
(50' WIDE)

135

LOT 53
PROPERTY N/F
VB TWO, LLC
LOCATOR NO. 07K620890
DB. 24594 PG. 4039
1600 FERMBROOK LANE

NO TAKINGS

LOT 52
PROPERTY N/F
JOHN M. &
AMANDA R.
BISHER
LOCATOR NO.
07K620856
DB. 19953
PG. 2432
955 MULLANPHY
ROAD

NO TAKINGS

SCALE
0 20 40 60

MATCHLINE STA. 131+00.00

STA. 500+00.00 ASPEN N =
STA. 131+69.59 MULLANPHY

MULLANPHY ROAD (WIDTH VARIES)

S52°23'14"E

MULLANPHY RD ℄
S52°24'35"E

STA. 700+00.00 FERNBROOK =
STA. 134+69.79 MULLANPHY

STA. 600+00.00 ASPEN S =
STA. 133+64.75 MULLANPHY

MATCHLINE STA. 136+00.00

TSCL

+37.05' 31.00' STA. 131+49.51 P.E. 9.7' W. CONC. +37.05' 25.00'

EXISTING	7769 S.F.
TCE	390 S.F.
REM. AREA	7769 S.F.

LOT 6
PROPERTY N/F
LEZELL A. BROWN
LOCATOR NO.
13 07K611023
DOC. #
202308180234
1080 MULLANPHY RD

NO TAKINGS

LOT 7
PROPERTY N/F
KELVIN ROWLAND
LOCATOR NO. 07K610989
DB. 23548 PG. 1161
1070 MULLANPHY ROAD

+02.07 25.00' +02.07 33.00'

5' EASEMENT (PB. 64 PG. 99)

5' EASEMENT (PB. 64 PG. 99)

TSCL

STA. 132+57.80 P.E. 17.6' W. ASPH.

+67.08 33.49' +67.08 33.00' +67.08 25.00'

EXISTING	7769 S.F.
TCE	520 S.F.
REM. AREA	7769 S.F.

14 LOT 8
PROPERTY N/F
MS INVESTMENTS LLC
LOCATOR NO. 07K610945
DB. 17626 PG. 2929
1060 MULLANPHY ROAD

+09.79 25.00' +30.69 33.50'

30'-R

TSCL

+39.77 54.99'

ASPEN DRIVE
(50' WIDE)

EXISTING	8500 S.F.
TCE	485 S.F.
REM. AREA	8500 S.F.

15 LOT 9
PROPERTY N/F
DAVID M. PINNICK
LOCATOR NO. 07K610880
DB. 25086 PG. 1439
1040 MULLANPHY ROAD

+89.77 55.06'

30'-R

+03.26 30.00' +19.79 25.05'

TSCL

+73.49 30.00' +73.49 33.00'

STA. 134+83.65 P.E. 16.3' W. CONC.

EXISTING	10002 S.F.
TCE	609 S.F.
REM. AREA	10002 S.F.

16 LOT 1
PROPERTY N/F
GREGORY T. VIEHMAN &
PAULA K. VIEHMAN
LOCATOR NO. 07K610802
DB. 12684 PG. 1530
1000 MULLANPHY ROAD

10' ℄ EASEMENT (PB. 64 PG. 99) PER PB. 190 PG. 95 (2-339)

+09.78 33.00' +09.78 25.00'

STA. 135+38.86 P.E. 10.1' W. CONC.

EXISTING	40845 S.F.
TCE	793 S.F.
REM.AREA	40845 S.F.

17 LOT A
PROPERTY N/F
THOMAS &
KAREN KURTH
LOCATOR NO.
07K611364
DB. 17465 PG. 3764
950 MULLANPHY RD.

MATCHLINE STA. 136+00.00

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

NOTES:

1) ALL STATIONS & OFFSETS GIVEN TO THE MULLANPHY RD ℄ UNLESS NOTED OTHERWISE.

LOT 52
PROPERTY N/F
JOHN M. &
AMANDA R. BISHER
LOCATOR NO.
07K620856
DB. 19953 PG. 2432
955 MULLANPHY RD

NO TAKINGS

LOT 51
PROPERTY N/F
VB ONE, LLC
LOCATOR NO. 07K620834
DB. 25266 PG. 4056
945 MULLANPHY ROAD

NO TAKINGS

LOT 50
PROPERTY N/F
PURPOSE MO, LLC
LOCATOR NO. 07K620779
DOC. # 2022082500487
935 MULLANPHY ROAD

NO TAKINGS

LOT 49
PROPERTY N/F
VB SIX, LLC
LOCATOR NO. 07K620735
DOC. # 2022120100309
925 MULLANPHY ROAD

NO TAKINGS

LOT 48
PROPERTY N/F
RYAN GARDNER
LOCATOR NO. 07K620724
DOC. # 2023091500105
915 MULLANPHY ROAD

NO TAKINGS

LOT 47
PROPERTY N/F
LOUIS & CARRIE WILLIAMS
LOCATOR NO. 07K620692
DB. 24302 PG. 3790
1605 TYSON DRIVE

NO TAKINGS

TYSON DRIVE
(50' WIDE)

140

LOT 99
PROPERTY N/F
PEGGY L. BOSCHEN
LOCATOR NO. 07K620603
DB. 17453 PG. 4026
1600 TYSON DRIVE

NO TAKINGS

MATCHLINE STA. 136+00.00

MULLANPHY ROAD (WIDTH VARIES)

MULLANPHY RD ℄

CI 02

STA. 800+00.00 TYSON S =
STA. 139+66.43 MULLANPHY

STA.900+00.00 TYSON N =
STA.139+79.60 MULLANPHY

MATCHLINE STA. 141+00.00

TSCL

+09.78 33.00' +09.78 35.00' +09.78 25.06'

STA. 136+95.02 P.E. 18.7' W. ASPH.

+16.54 25.00' +16.54 35.00'

10' ℄ EASEMENT (PB. 68 PG. 6)

+16.56 94.81'

EXISTING	80715 S.F.
TCE	2062 S.F.
REM. AREA	80715 S.F.

18 LOT B
PROPERTY N/F
NICKOLAS BROWN
LOCATOR NO. 07K621428
DB. 17443 PG. 5151
920 MULLANPHY ROAD

+60.00 25.00' +60.00 35.00'

STA. 138+69.06 P.E. 10.3' W. ASPH.

19 LOT 83
PROPERTY N/F
SA VENTURES, LLC
LOCATOR NO. 07K620582
DB. 20966 PG. 525
900 MULLANPHY ROAD

EXISTING	8189 S.F.
TCE	435 S.F.
REM. AREA	8189 S.F.

+21.51 25.00'

20'-R

+41.51 44.97'

+41.59 94.59'

TYSON DRIVE
(50' WIDE)

NO TAKINGS

LOT 84
PROPERTY N/F
MARK D. & REBECCA M. PHILLIPS
LOCATOR NO. 07K620494
DB. 19647 PG. 3423
870 MULLANPHY ROAD

TSCL

SEE NEXT SHEET FOR TAKINGS

+69.49 25.00' +69.50 29.00'

20 LOT 85
PROPERTY N/F
ANDREA D.
KAUFMAN
LOCATOR NO.
07K620449
DB. 15384
PG. 1425
860 MULLANPHY
ROAD

STA. 140+89.85 P.E. 21.2' W. CONC.

LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (SIDEWALK, ENTRANCE, & SIDE ROADS)
- TEMPORARY CONST. EASEMENT (TSCL)
- PERMANENT SIDEWALK EASEMENT (PSE)

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS			
REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby declare that the documents intended to be authorized by my seal are limited by my seal and I hereby disclaim any responsibility for all other documents, specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of this engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S. Davis
04/21/2026 4:11:43 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
HRGreen
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.423.7777
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

Ste. Genevieve Fleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

RIGHT OF WAY SHEET (SHEET 4 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 24 OF 97

LOT 100
PROPERTY N/F
KAREN F. & RICHARD L. WIND
LOCATOR NO. 07K620559
DB. 7002 PG. 0122
855 MULLANPHY ROAD

NO TAKINGS

PROPERTY N/F
PATRICK M. &
TANYA E. NEISTAT
LOCATOR NO. 07K620526
DOC. 20230926000356
845 MULLANPHY ROAD

23

EXISTING	21997 S.F.
PERM ESMT	1100 S.F.
REM. AREA	21997 S.F.

PROPERTY N/F
DAVID J. & KATHY BOSS
LOCATOR NO. 07K620472
DB. 7363 PG. 684
825 MULLANPHY ROAD

24

EXISTING	21995 S.F.
PERM ESMT	1100 S.F.
REM. AREA	21995 S.F.

LOT 1
PROPERTY N/F
DANIEL FLY
LOCATOR NO. 07K620405
DB. 23100 PG. 2262
805 MULLANPHY ROAD

NO TAKINGS

LOT 2
PROPERTY N/F
TAO HOLDINGS LLC
LOCATOR NO. 07K620362
DB. 22064 PG. 2412
795 MULLANPHY ROAD

NO TAKINGS

LOT 3
PROPERTY N/F
RONALD C. CASAGRANDE II
& LORI A. CASAGRANDE
LOCATOR NO. 07K620306
DB. 8652 PG. 1825
785 MULLANPHY ROAD

NO TAKINGS

LOT 4
PROPERTY N/F
HARRY A. BILLITER &
MARJORIE G.
SCHWENK-BILLITER
LOCATOR NO. 07K620241
DB. 17970 PG. 4586
765 MULLANPHY ROAD

NO TAKINGS

SCALE
0 20 40 60

MATCHLINE STA. 141+00.00

MATCHLINE STA. 146+00.00

10' EASEMENT (PB. 69 PG. 7)

10' EASEMENT (PB. 68 PG. 6)

+58.94
25.00'
+58.90
15.00'

+68.94
25.00'
+68.90
15.00'

+78.90
15.00'
+78.94
25.00'

PSE

PSE

MULLANPHY ROAD (WIDTH VARIES)

MULLANPHY RD ℄

TSCL

TSCL

+44.50
25.00'
+44.51
29.00'

+19.51
25.00'

+94.52
25.00'
+94.58
29.00'

+69.53
25.00'
+69.54
29.00'

STA. 141+94.57
P.E. 10.5' W. CONC.

STA. 142+41.79
P.E. 17.7' W. CONC.

STA. 143+41.79
P.E. 20.0' W. CONC.

STA. 143+90.55
P.E. 21.4' W. CONC.

STA. 144+98.99
P.E. 19.8' W. CONC.

STA. 145+40.91
P.E. 18.5' W. CONC.

+94.56
25.00'
+94.58
35.00'

EXISTING	8199 S.F.
TCE	300 S.F.
REM.AREA	8199 S.F.

20 LOT 85
PROPERTY N/F
ANDREA D. KAUFMAN
LOCATOR NO. 07K620449
DB. 15384 PG. 1425
860 MULLANPHY ROAD

NO TAKINGS

21 LOT 86
PROPERTY N/F
FRANK HEINLE
LOCATOR NO. 07K620416
DOC. 20230517005558
850 MULLANPHY ROAD

NO TAKINGS

LOT 87
PROPERTY N/F
RAINY DAYS LLC
LOCATOR NO. 07K620340
DB. 25154 PG. 2542
830 MULLANPHY ROAD

EXISTING	8170 S.F.
TCE	300 S.F.
REM. AREA	8170 S.F.

22 LOT 88
PROPERTY N/F
RAINY DAYS LLC
DOC. 20220819004330
820 MULLANPHY ROAD

EASEMENT (PB. 68 PG. 6)

EASEMENT (PB. 68 PG. 6)

NO TAKINGS

LOT 89
PROPERTY N/F
JAMES WARNER
LOCATOR NO. 07K620229
DB. 20756 PG. 1167
800 MULLANPHY ROAD

NO TAKINGS

LOT 90
PROPERTY N/F
DOUGLAS M. &
BEVERLY S. KLINE
LOCATOR NO. 07K620164
DB. 6728 PG. 487
790 MULLANPHY ROAD

NO TAKINGS

LOT 91
PROPERTY N/F
55+ PROPERTIES LLC
LOCATOR NO. 07K620087
DB. 24060 PG. 2700
770 MULLANPHY ROAD

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

LOT 5
PROPERTY N/F
DARLISSA STEEPLES
LOCATOR NO. 07K620207
DB. 17134 PG. 1023
745 MULLANPHY ROAD

NO TAKINGS

LOT 6
PROPERTY N/F
FYR SFR BORROWER, LLC.
C/O HAVENBROOK HOMES
LOCATOR NO. 07K620142
DB. 23838 PG. 1204
735 MULLANPHY ROAD

NO TAKINGS

LOT 7
PROPERTY N/F
PATRICIA A. RUTLEDGE
LOCATOR NO. 07K620108
DB. 21765 PG. 393
725 MULLANPHY ROAD

NO TAKINGS

5' EASEMENT (PB. 68 PG. 6)

5' EASEMENT (PB. 68 PG. 6)

LOT 8
PROPERTY N/F
AARON & ANDREA KINDER
LOCATOR NO. 07K620065
DOC. 2022061000082
715 MULLANPHY ROAD

NO TAKINGS

LOT 9
PROPERTY N/F
WENDELL HERNANDEZ &
JACQUELINE MALONEY
LOCATOR NO. 07K620010
DB. 20924 PG. 1119
705 MULLANPHY ROAD

NO TAKINGS

LOT 10
PROPERTY N/F
TRM RENTAL SOLUTIONS LLC
LOCATOR NO. 07J131171
DB. 20714 PG. 1203
695 MULLANPHY ROAD

NO TAKINGS

LOT 11
PROPERTY N/F
BRITTANY K.
MCGINNIS
LOCATOR NO.
07J131137
DB. 23424
PG. 2730
685 MULLANPHY RD

NO TAKINGS

LOT 12
PROPERTY N/F
CAPITAL PROPERTY LLC
LOCATOR NO. 07J131094
DOC. 2023030700455
675 MULLANPHY ROAD

NO TAKINGS

MATCHLINE STA. 146+00.00

MATCHLINE STA. 151+00.00

MULLANPHY ROAD (50' WIDE)

MULLANPHY RD ℄

STA. 1000+00.00 FLOR PARK S =
STA. 149+96.57 MULLANPHY

FLORISSANT PARK DRIVE
(50' WIDE)

TSCL

TSCL

TSCL

TSCL

+69.57
25.00'
+69.59
35.05'

+81.87
35.00'
+81.87
38.53'

+00.54
38.54'
+00.48
34.54'

+44.58
25.00'
+44.60
34.56'

+94.60
25.00'
+94.61
31.00'

+19.59
31.00'

+19.59
25.00'

+21.73
90.71'

+21.65
44.90'

20' R

+41.65
25.00'

+77.57
25.05'
+77.57
30.16'

STA. 146+47.89
P.E. 17.6' W. CONC.

STA. 146+91.21
P.E. 18.7' W. CONC.

STA. 147+99.70
P.E. 20.3' W. ASPH

STA. 148+41.69
P.E. 18.5' W. CONC.

STA. 150+95.39
P.E. 9.1' W. CONC.

EXISTING	8130 S.F.
TCE	750 S.F.
REM. AREA	8130 S.F.

25 LOT 92
PROPERTY N/F
MID STATE HOLDINGS LLC
LOCATOR NO. 07K620032
DB. 24326 PG. 4476
760 MULLANPHY ROAD

EXISTING	8121 S.F.
TCE	796 S.F.
REM. AREA	8121 S.F.

26 LOT 93
PROPERTY N/F
RORY C. PIERCE
LOCATOR NO. 07K341467
DB. 22566 PG. 227
740 MULLANPHY ROAD

NO TAKINGS

27 LOT 94
PROPERTY N/F
DANIELLE D. THOMAS
LOCATOR NO. 07K341401
DB. 22238 PG. 2658
730 MULLANPHY ROAD

EXISTING	8101 S.F.
TCE	450 S.F.
REM. AREA	8101 S.F.

28 LOT 95
PROPERTY N/F
PATRICK T. COOLEY
DB. 12234 PG. 0844
720 MULLANPHY ROAD

NO TAKINGS

LOT 96
PROPERTY N/F
AMELITA M. ROGERS
LOCATOR NO. 07J130873
DB. 25400 PG. 2119
650 MULLANPHY ROAD

29 LOT 1
PROPERTY N/F
KATHERINE M. FIELD
LOCATOR NO. 07J130941
DB. 12651 PG. 343
680 MULLANPHY ROAD

EXISTING	9528 S.F.
TCE	141 S.F.
REM. AREA	9528 S.F.

NOTES:

1) ALL STATIONS & OFFSETS GIVEN TO THE MULLANPHY RD ℄ UNLESS NOTED OTHERWISE.

LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (SIDEWALK, ENTRANCE, & SIDE ROADS)
- TEMPORARY CONST. EASEMENT (TSCL)
- PERMANENT SIDEWALK EASEMENT (PSE)

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS			
REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are the only documents I have sealed and I hereby disclaim any responsibility for all other documents, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of this engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
04/21/2026 4:11:48 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

RIGHT OF WAY SHEET (SHEET 5 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS

SHEET SEQUENCE: 25 OF 97

LOT 13
PROPERTY N/F
JEFFREY LUER
LOCATOR NO. 07J131038
DB. 13419 PG. 1393
1605 FLORISSANT PARK DRIVE
NO TAKINGS

LOT 66
PROPERTY N/F
THOMAS B. & LINDA S. MALONEY
LOCATOR NO. 07J130950
DB. 9267 PG. 1226
635 MULLANPHY ROAD
NO TAKINGS

LOT 67
PROPERTY N/F
DARRELL LANE &
NICHOLE CELITA
LOCATOR NO. 07J130914
DOC. 2023080100126
605 MULLANPHY ROAD
NO TAKINGS

LOT 68
PROPERTY N/F
KELLY E. HEIMERDINGER
LOCATOR NO. 07J130884
DB. 14888 PG. 2465
595 MULLANPHY ROAD
NO TAKINGS

LOT 69
PROPERTY N/F
SPLASH CAPITAL
GROUP, LLC
LOCATOR NO. 07J130822
DB. 25036 PG. 4865
575 MULLANPHY ROAD
NO TAKINGS

FLORISSANT PARK DRIVE (50' WIDE)

STA. 152+89.85 P.E. 8.2' W. CONC.

5' EASEMENT (PB. 68 PG. 6)

5' EASEMENT (PB. 68 PG. 6)

END MILL & OVERLAY STA. 154+84.37

MULLANPHY COURT (50' WIDE)

MATCHLINE STA. 151+00.00

MULLANPHY ROAD (50' WIDE)

MULLANPHY RD ℄

STA. 1100+00.00 FLOR PARK N =
STA. 151+93.80 MULLANPHY

STA. 1200+00.00 VESPER =
STA. 153+18.31 MULLANPHY

MATCHLINE STA. 156+00.00

SCALE
0 20 40 60

SEE PREVIOUS SHEET FOR TAKINGS

TSCL +04.94 30.17' +04.94 25.00'

STA. 151+41.64 P.E. 19.9' W. CONC.

29
LOT 1
PROPERTY N/F
KATHERINE M. FIELD
LOCATOR NO. 07J130941
DB. 12651 PG. 343
680 MULLANPHY ROAD

10' EASEMENT (PB. 68 PG. 6)

5' EASEMENT (PB. 89 PG. 19)

+68.23 90.45' +68.22 94.93'

+68.29 25.00'

STA. 152+08.99 P.E. 19.5' W. CONC.

30
LOT 1
PROPERTY N/F
AMELITA M. ROGERS
LOCATOR NO. 07J130873
DB. 25400 PG. 2119
650 MULLANPHY ROAD

EXISTING	8959 S.F.
PERM ESMT	114 S.F.
REM. AREA	8659 S.F.

PSE +73.28 25.00' 20'R +93.28 45.01'

+93.25 95.00'

VESPER DRIVE (50' WIDE)

PSE +43.28 44.99' +53.40 34.87' 20'R +63.28 25.00'

EXISTING	8003 S.F.
PERM ESMT	114 S.F.
TCE	741 S.F.
REM. AREA	8003 S.F.

STA. 154+22.92 P.E. 9.7' W. CONC.

+33.29 25.00' +33.29 34.91'

31
LOT 23
PROPERTY N/F
BEVERLY C. SMITH
LOCATOR NO.
07J130785
DB. 23618 PG. 2574
610 MULLANPHY ROAD

STA. 154+49.26 P.E. 10.0' W. CONC.

EXISTING	7177 S.F.
TCE	689 S.F.
REM. AREA	7177 S.F.

32
LOT 1
PROPERTY N/F
TIMOTHY WILBURN
LOCATOR NO. 07J130721
DB. 19683 PG. 2577
580 MULLANPHY ROAD

+03.24 25.00' +03.24 34.96' +03.24 38.23'

STA. 155+12.65 P.E. 17.6' W. CONC.

TSCL

PSE +54.82 25.00' +65.29 29.96' +73.23 25.00' +79.75 29.97' 20'R +89.45 38.23' +92.85 41.13' +93.23 45.01'

EXISTING	8014 S.F.
PERM ESMT	157 S.F.
TCE	954 S.F.
REM. AREA	8014 S.F.

33
LOT 2
PROPERTY N/F
NELLIE J. WILBURN
LOCATOR NO.
07J130664
DB. 23691 PG. 134
550 MULLANPHY ROAD

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

LOT 76
PROPERTY N/F
PHILLIP HANNEKE
LOCATOR NO. 07J131258
DB. 19303 PG. 1508
535 MULLANPHY ROAD
NO TAKINGS

LOT 75
PROPERTY N/F
PAUL J. & PATRICIA A. YOUNG
LOCATOR NO. 07J131357
DB. 11685 PG. 0883
525 MULLANPHY ROAD
NO TAKINGS

PROPERTY N/F
UNION ELECTRIC COMPANY
LOCATOR NO. 07J411440
DB. 1554 PG. 286
1771 PATTERSON ROAD
NO TAKINGS

10' EASEMENT (PB. 91 PG. 10)

END PROJECT STA. 156+53.27

160

END STA 160+00.00

MATCHLINE STA. 156+00.00

MULLANPHY ROAD (50' WIDE)

MULLANPHY RD ℄

PATTERSON ROAD (WIDTH VARIES)

ANGELUS DRIVE (50' WIDE)

20'R +43.20 95.00' +43.23 44.99' +63.23 25.00'

34
LOT 31
PROPERTY N/F
XUONG & DUNG QUACH
LOCATOR NO.
07J130576
DB. 18208 PG. 41
530 MULLANPHY ROAD

PARCEL 34
NO TAKINGS

+76.99 95.08'

EASEMENT (PB. 91 PG. 10)

35
PROPERTY N/F
CITY OF
FLORISSANT
LOCATOR NO.
07J130246
DB. 6742
PG. 2329
1510 ANGELUS
DRIVE

PARCEL 35
NO TAKINGS

+77.03 25.00' +21.84 30.00'

36
PROPERTY N/F
UNION ELECTRIC COMPANY
LOCATOR NO. 07J131379
DB. 1554 PG. 286
1599 PATTERSON ROAD

NO TAKINGS

+93.05 91.44'

NOTES:

1) ALL STATIONS & OFFSETS GIVEN TO THE MULLANPHY RD ℄ UNLESS NOTED OTHERWISE.

LEGEND

- PROPOSED ASPHALTIC CONCRETE SURFACE COURSE
- PROPOSED FULL DEPTH PAVEMENT REPAIR
- PROPOSED CONCRETE (SIDEWALK, ENTRANCE, & SIDE ROADS)
- TEMPORARY CONST. EASEMENT (TSCL)
- PERMANENT SIDEWALK EASEMENT (PSE)

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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St. Ferdinand de Fleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

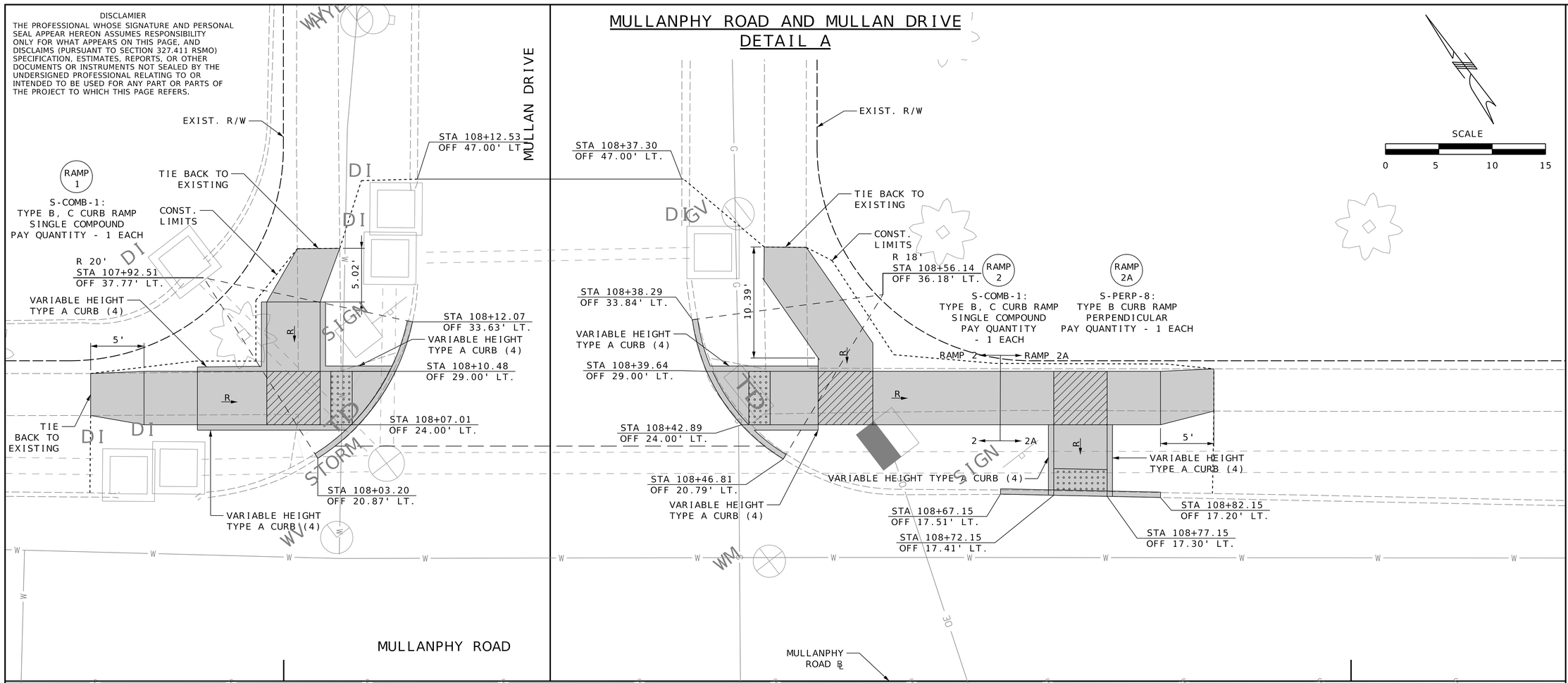
RIGHT OF WAY SHEET (SHEET 6 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 26 OF 97

\\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-26-ROW06.dgn 1:13:06 PM 4/21/2026

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MULLANPHY ROAD AND MULLAN DRIVE
DETAIL A

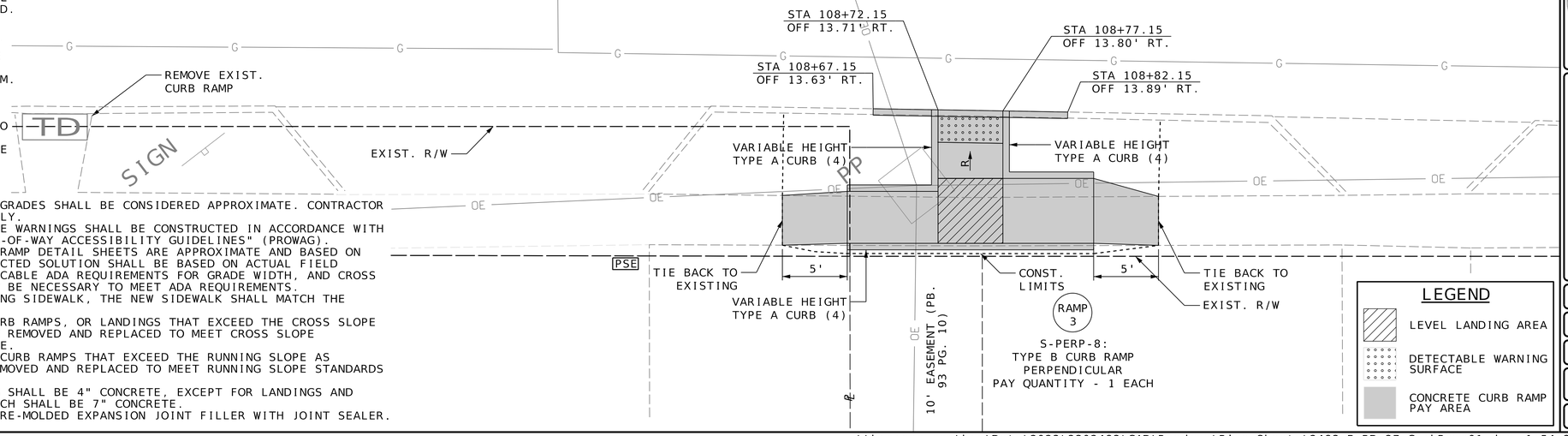


NOTES:

(1) SIDEWALKS SHALL SLOPE TOWARD THE GUTTER UNLESS OTHERWISE SHOWN ON THE TYPICAL SECTIONS AND PLAN SHEETS.
(2) ALL STATIONS AND OFFSETS GIVEN TO THE MULLANPHY RD ℄ UNLESS OTHERWISE NOTED.
(3) SEE DETAIL SHEET 1 FOR CURB RAMP GENERAL NOTES.
(4) VARIABLE HEIGHT TYPE A CURB WILL NOT BE PAID FOR SEPARATELY. CURB WILL BE INCLUDED IN THE REMOVE AND REPLACE CONCRETE SIDEWALK, CURB RAMP PAY ITEM.
(5) ALL DIMENSIONS AND GRADE ELEVATIONS ARE TO THE FACE OF CURB (FOC) FLOW LINE AS NOTED.
(6) ALL SHADED AREA AS SHOWN IN LEGEND TO BE PAID FOR AS CONCRETE SIDEWALK, CURB RAMP (PER EACH) UNLESS OTHERWISE SPECIFIED.

CURB RAMP GENERAL NOTES:

(1) ALL PROPOSED SIDEWALK AND CURB RAMP GRADES SHALL BE CONSIDERED APPROXIMATE. CONTRACTOR TO FIELD VERIFY AND ADJUST ACCORDINGLY.
(2) SIDEWALKS, CURB RAMPS, AND DETECTABLE WARNINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE DETAILS AND THE "PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES" (PROWAG).
(3) THE ELEVATIONS PROVIDED ON THE CURB RAMP DETAIL SHEETS ARE APPROXIMATE AND BASED ON THE PROVIDED TOPOGRAPHY. THE CONSTRUCTED SOLUTION SHALL BE BASED ON ACTUAL FIELD CONDITIONS AND ELEVATIONS. ALL APPLICABLE ADA REQUIREMENTS FOR GRADE WIDTH, AND CROSS SLOPE MUST BE MET. FIELD CHANGES MAY BE NECESSARY TO MEET ADA REQUIREMENTS.
(4) WHERE NEW SIDEWALK MEETS WITH EXISTING SIDEWALK, THE NEW SIDEWALK SHALL MATCH THE GRADES OF THE EXISTING SIDEWALK.
(5) ANY NEW CONSTRUCTION OF SIDEWALK, CURB RAMPS, OR LANDINGS THAT EXCEED THE CROSS SLOPE AS DEFINED IN PROWAG (2.1%) SHALL BE REMOVED AND REPLACED TO MEET CROSS SLOPE STANDARDS AT THE CONTRACTOR'S EXPENSE.
(6) ANY NEW CONSTRUCTION OF SIDEWALK OR CURB RAMPS THAT EXCEED THE RUNNING SLOPE AS DEFINED IN PROWAG (8.3%) SHALL BE REMOVED AND REPLACED TO MEET RUNNING SLOPE STANDARDS AT THE CONTRACTOR'S EXPENSE.
(7) ALL SIDEWALK SECTIONS AND CURB RAMPS SHALL BE 4" CONCRETE, EXCEPT FOR LANDINGS AND CURB RAMPS ADJACENT TO THE CURB, WHICH SHALL BE 7" CONCRETE.
(8) NO DIRECT PAYMENT WILL BE MADE FOR PRE-MOLDED EXPANSION JOINT FILLER WITH JOINT SEALER.



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

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COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K
DATE: 4/21/2026

PREPARED BY:
HRGreen
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PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

CURB RAMP DETAIL SHEET (SHEET 1 OF 13)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 27 OF 97

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MULLANPHY ROAD AND ASPEN DRIVE
DETAIL B

SCALE
0 5 10 15

MULLANPHY ROAD ℄

MULLANPHY ROAD

ASPEN DRIVE

CONST. LIMITS
VARIABLE HEIGHT TYPE A CURB (4)
STA 109+75.93
OFF 17.23' RT.
STA 109+80.33
OFF 19.00' RT.
STA 109+87.74
OFF 24.00' RT.
STA 109+91.23
OFF 27.66' RT.
STA 109+92.48
OFF 29.50' RT.
EXIST. R/W
TIE BACK TO EXISTING
5'
VARIABLE HEIGHT TYPE A CURB (4)
RAMP 4
S-PERP-4:
TYPE B CURB RAMP
SINGLE PERPENDICULAR
PAY QUANTITY - 1 EACH
R 32.5'
STA 109+66.04
OFF 48.19' RT.

CONST. LIMITS
VARIABLE HEIGHT TYPE A CURB (4)
STA 110+45.26
OFF 17.06' RT.
STA 110+40.69
OFF 19.00' RT.
STA 110+33.56
OFF 24.00' RT.
STA 110+30.17
OFF 27.66' RT.
STA 110+28.81
OFF 29.50' RT.
SIGHT
VARIABLE HEIGHT TYPE A CURB (4)
4.92'
TIE BACK TO EXISTING
EXIST. R/W
RAMP 5
S-PERP-4:
TYPE B CURB RAMP
SINGLE PERPENDICULAR
PAY QUANTITY - 1 EACH
R 32.5'
STA 110+55.61
OFF 47.87' RT.

NOTES:

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LEGEND
- LEVEL LANDING AREA
- DETECTABLE WARNING SURFACE
- CONCRETE CURB RAMP PAY AREA

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS

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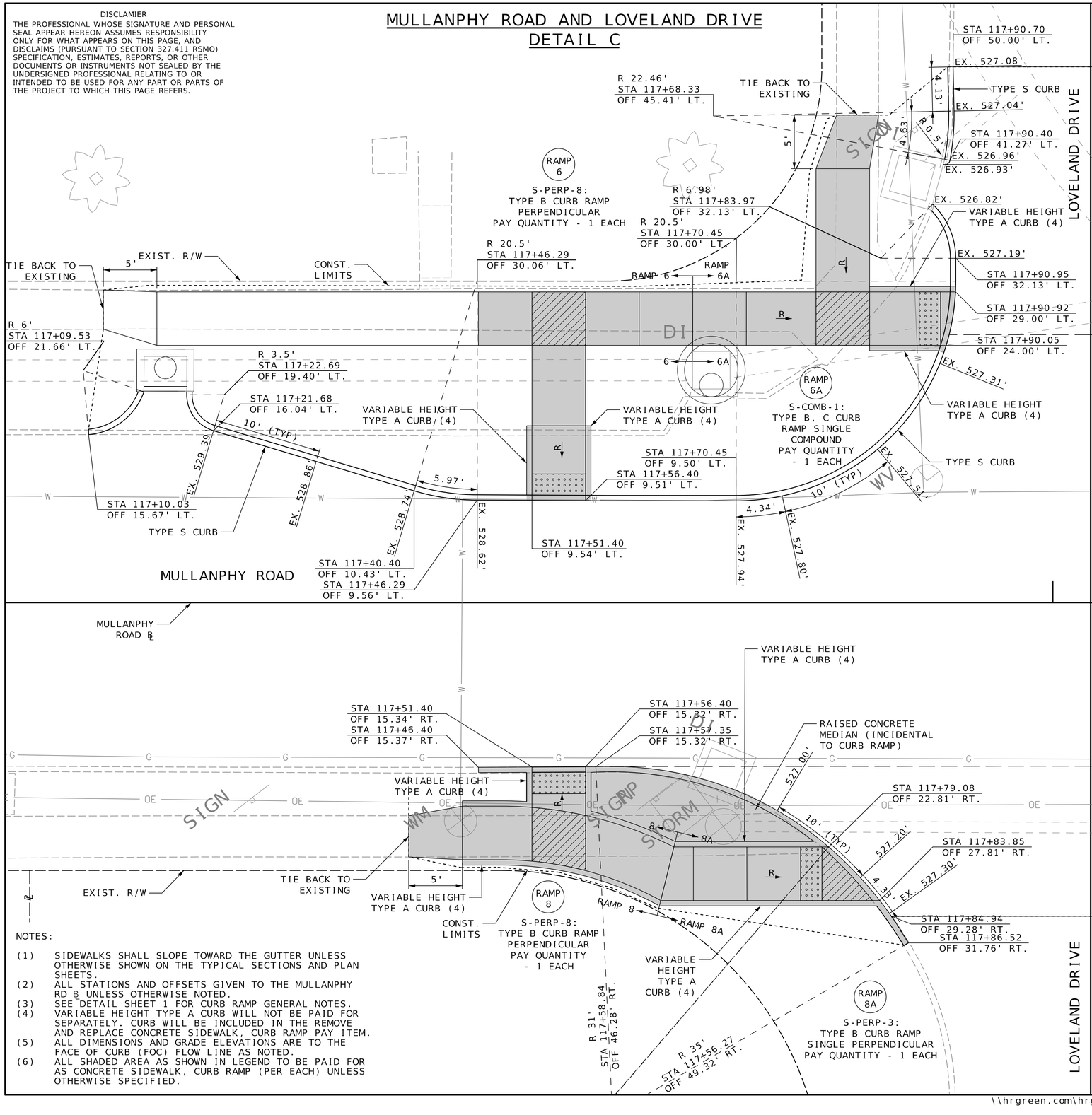
MULLANPHY ROAD RESURFACING

CURB RAMP DETAIL SHEET (SHEET 2 OF 13)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 28 OF 97

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MULLANPHY ROAD AND LOVELAND DRIVE
DETAIL C



NOTES:

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COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

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MULLANPHY ROAD RESURFACING

CURB RAMP DETAIL SHEET (SHEET 3 OF 13)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 29 OF 97

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MULLANPHY ROAD AND LOVELAND DRIVE
DETAIL D

SCALE
0 5 10 15

STA 118+16.04
OFF 50.01' LT.
EX. 527.15'
TYPE S CURB
STA 118+15.58
OFF 42.84' LT.
EX. 526.94'
EX. 526.89'
R 0.5'
7.17'
TIE BACK TO EXISTING
RAMP 7
S-COMB-1:
TYPE B, C CURB RAMP
SINGLE COMPOUND
PAY QUANTITY
- 1 EACH
5'
EX. 526.78'
VARIABLE HEIGHT
TYPE A CURB (4)
STA 118+15.95
OFF 33.58' LT.
EX. 526.80'
5.44'
R 11.86'
STA 118+27.80
OFF 33.58' LT.
RAD 20.5'
STA 118+36.45
OFF 30.00' LT.
RAMP 7A
S-PERP-8:
TYPE B CURB RAMP
PERPENDICULAR
PAY QUANTITY - 1 EACH
STA 118+15.97
OFF 29.00' LT.
RAMP 7
RAMP 7A
CONST. LIMITS
5'
TIE BACK TO EXISTING
EXIST. R/W
R 20.5'
STA 118+90.92
OFF 30.00' LT.
5' EASEMENT (
STA 118+16.84
OFF 24.00' LT.
EX. 526.81'
TYPE S CURB
11.71'
VARIABLE HEIGHT
TYPE A CURB (4)
VARIABLE HEIGHT
TYPE A CURB (4)
STA 118+36.45
OFF 9.50' LT.
VARIABLE HEIGHT
TYPE A CURB (4)
STA 118+41.45
OFF 9.50' LT.
EX. 526.64'
10' (TYP)
5.79'
EX. 526.39'
EX. 526.09'
TYPE S CURB
5.97'
10'
5.62'
5.69'
EX. 524.45'
EX. 524.29'
EX. 524.05'
EX. 523.93'
EX. 523.82'
TYPE S CURB
LOVELAND DRIVE
MULLANPHY ROAD ℄
MULLANPHY ROAD
R 19.5'
STA 119+17.38
OFF 3.82' RT.

SEE PREVIOUS SHEET
FOR ADDITIONAL CURB
RAMP INFORMATION

STA 118+36.45
OFF 17.64' RT.
STA 118+41.45
OFF 16.18' RT.
RAISED CONCRETE
MEDIAN (INCIDENTAL
TO CURB RAMP)
EX. 526.03'
EX. 526.24'
EX. 525.72'
10' (TYP)
STA 118+46.38
OFF 15.30' RT.
VARIABLE HEIGHT
TYPE A CURB (4)
STA 118+26.93
OFF 22.81' RT.
5.21'
R 36'
EX. 526.61'
10' (TYP)
STA 118+22.17
OFF 27.81' RT.
EX. 526.69'
4.24'
STA 118+21.13
OFF 29.25' RT.
STA 118+19.64
OFF 31.75' RT.
CONST. LIMITS
EXIST. R/W
LOVELAND DRIVE
RAMP 9
D-PERP-1:
TYPE B CURB RAMP
DUAL PERPENDICULAR
PAY QUANTITY - 1 EACH
STA 118+52.37
OFF 62.92' RT.
R 48'
R 30'
STA 118+46.06
OFF 45.95' RT.

NOTES:

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LEGEND
- LEVEL LANDING AREA
- DETECTABLE WARNING SURFACE
- CONCRETE CURB RAMP PAY AREA

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

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MULLANPHY ROAD RESURFACING
CURB RAMP DETAIL SHEET (SHEET 4 OF 13)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 30 OF 97

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MULLANPHY ROAD AND GREELEY DRIVE
DETAIL E

SCALE
0 5 10 15

RAMP 10
S-PERP-8:
TYPE B CURB RAMP
SINGLE PERPENDICULAR
PAY QUANTITY - 1 EACH

CONST. LIMITS
EXIST. R/W
TIE BACK TO EXISTING
TIE BACK TO EXISTING
5'
5'
VARIABLE HEIGHT TYPE A CURB (4)
VARIABLE HEIGHT TYPE A CURB (4)
STA 126+57.13 OFF 15.76' LT.
STA 126+62.63 OFF 15.75' LT.
STA 126+67.63 OFF 15.75' LT.
STA 126+72.63 OFF 15.71' LT.

MULLANPHY ROAD

STA 126+67.63 OFF 15.13' RT.
STA 126+72.62 OFF 15.26' RT.
STA 126+62.63 OFF 15.13' RT.
STA 126+57.63 OFF 15.13' RT.
RAISED CONCRETE MEDIAN (INCIDENTAL TO CURB RAMP)
VARIABLE HEIGHT TYPE A CURB (4)
STA 126+80.64 OFF 17.02' RT.
STA 126+85.10 OFF 19.00' RT.
RAMP 11
RAMP 11A
VARIABLE HEIGHT TYPE A CURB (4)
STA 126+92.05 OFF 24.00' RT.
EXIST. R/W
RAMP 11
S-PERP-8:
TYPE B CURB RAMP
SINGLE PERPENDICULAR
PAY QUANTITY - 1 EACH
VARIABLE HEIGHT TYPE A CURB (4)
RAMP 11A
S-PERP-4:
TYPE B CURB RAMP SINGLE PERPENDICULAR, LARGE RADIUS
PAY QUANTITY - 1 EACH
STA 126+95.43 OFF 27.73' RT.
STA 126+96.46 OFF 29.13' RT.
CONST. LIMITS
R 32.5'
STA 126+69.75 OFF 47.64' RT.

GREELEY DRIVE

MULLANPHY ROAD ℄
STA 127+49.04 OFF 16.87' RT.
STA 127+44.30 OFF 19.00' RT.
VARIABLE HEIGHT TYPE A CURB (4)
STA 127+37.48 OFF 24.00' RT.
STA 127+34.16 OFF 27.70' RT.
STA 127+33.13 OFF 29.13' RT.
RAMP 12
S-PERP-4:
TYPE B CURB RAMP
SINGLE PERPENDICULAR, LARGE RADIUS
PAY QUANTITY - 1 EACH
EXIST. R/W
CONST. LIMITS
TSCL
R 32.5'
STA 127+59.94 OFF 47.49' RT.

NOTES:
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LEGEND
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- DETECTABLE WARNING SURFACE
- CONCRETE CURB RAMP PAY AREA

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Bl. Feuillant de Pleurisant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

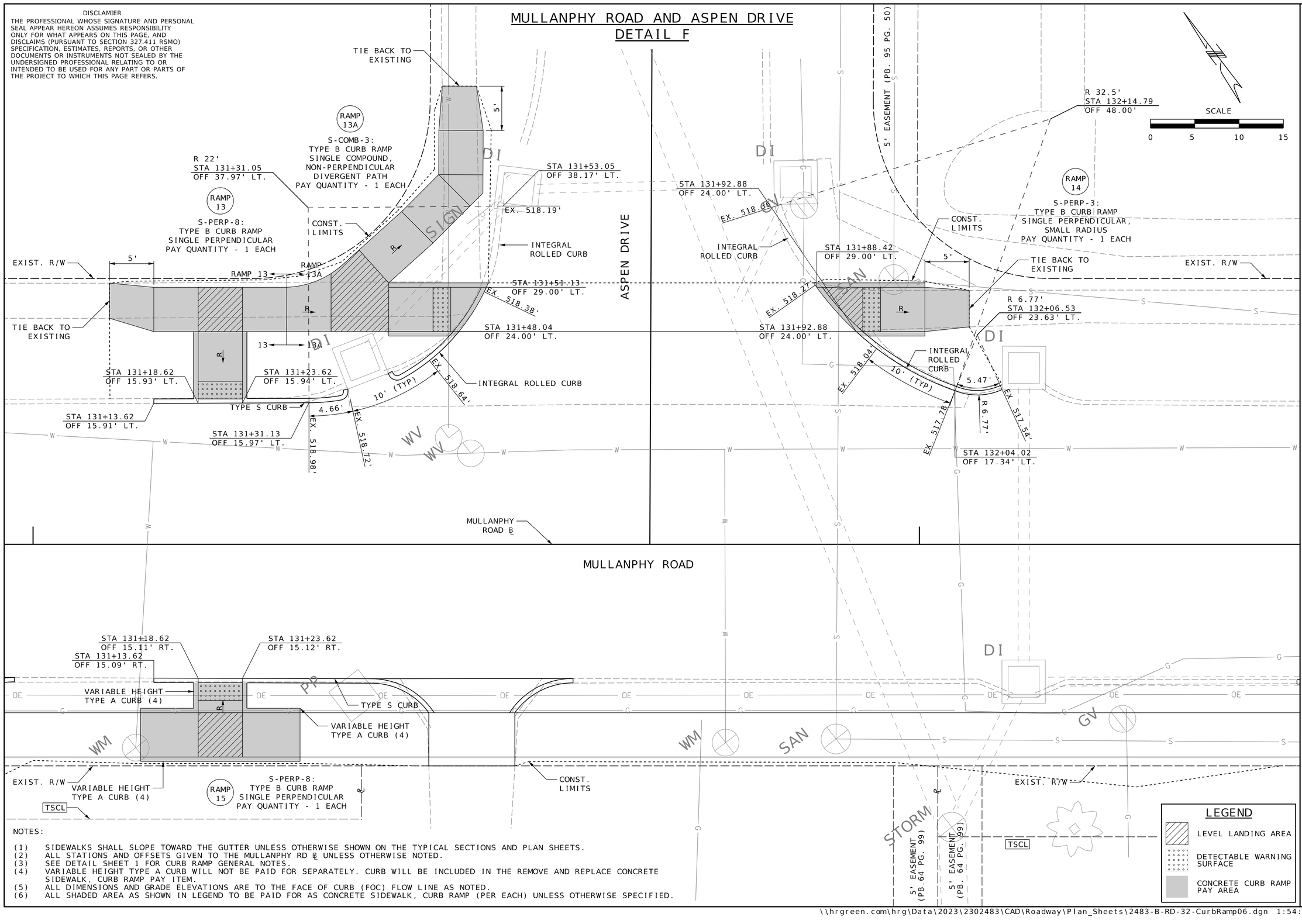
CURB RAMP DETAIL SHEET (SHEET 5 OF 13)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 31 OF 97

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MULLANPHY ROAD AND ASPEN DRIVE
DETAIL F



NOTES:

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(3) SEE DETAIL SHEET 1 FOR CURB RAMP GENERAL NOTES.
(4) VARIABLE HEIGHT TYPE A CURB WILL NOT BE PAID FOR SEPARATELY. CURB WILL BE INCLUDED IN THE REMOVE AND REPLACE CONCRETE SIDEWALK, CURB RAMP PAY ITEM.
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(6) ALL SHADED AREA AS SHOWN IN LEGEND TO BE PAID FOR AS CONCRETE SIDEWALK, CURB RAMP (PER EACH) UNLESS OTHERWISE SPECIFIED.

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

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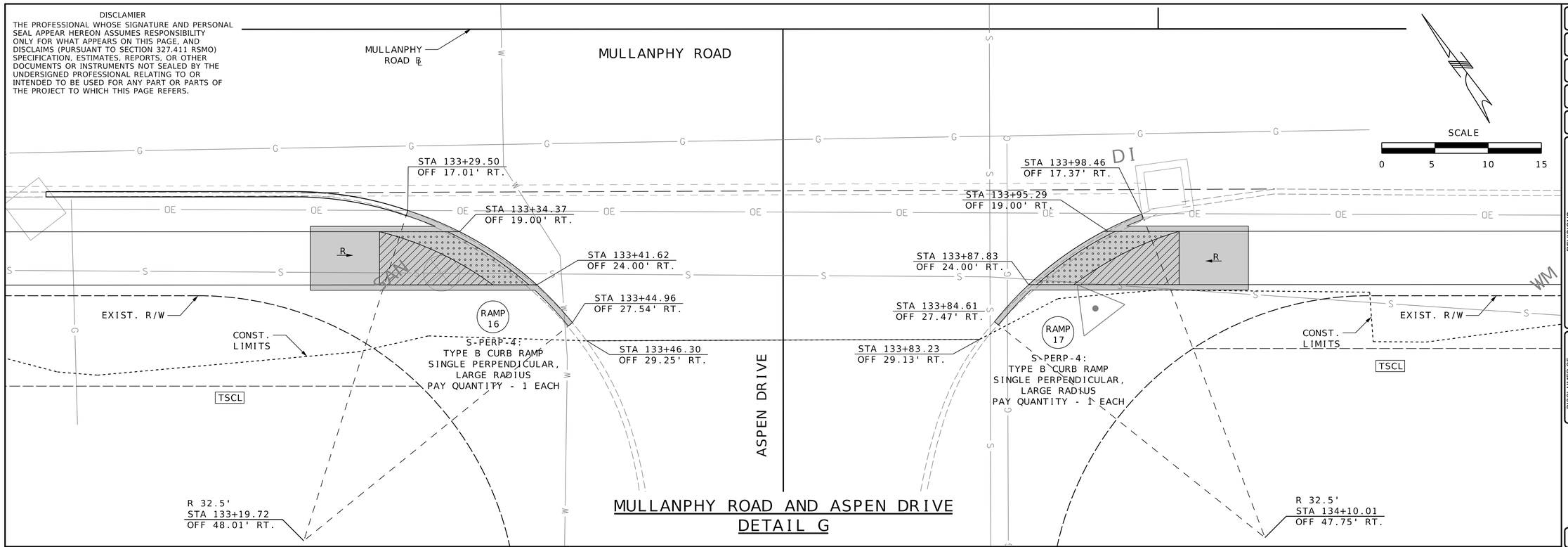
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MULLANPHY ROAD RESURFACING

CURB RAMP DETAIL SHEET (SHEET 6 OF 13)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 32 OF 97

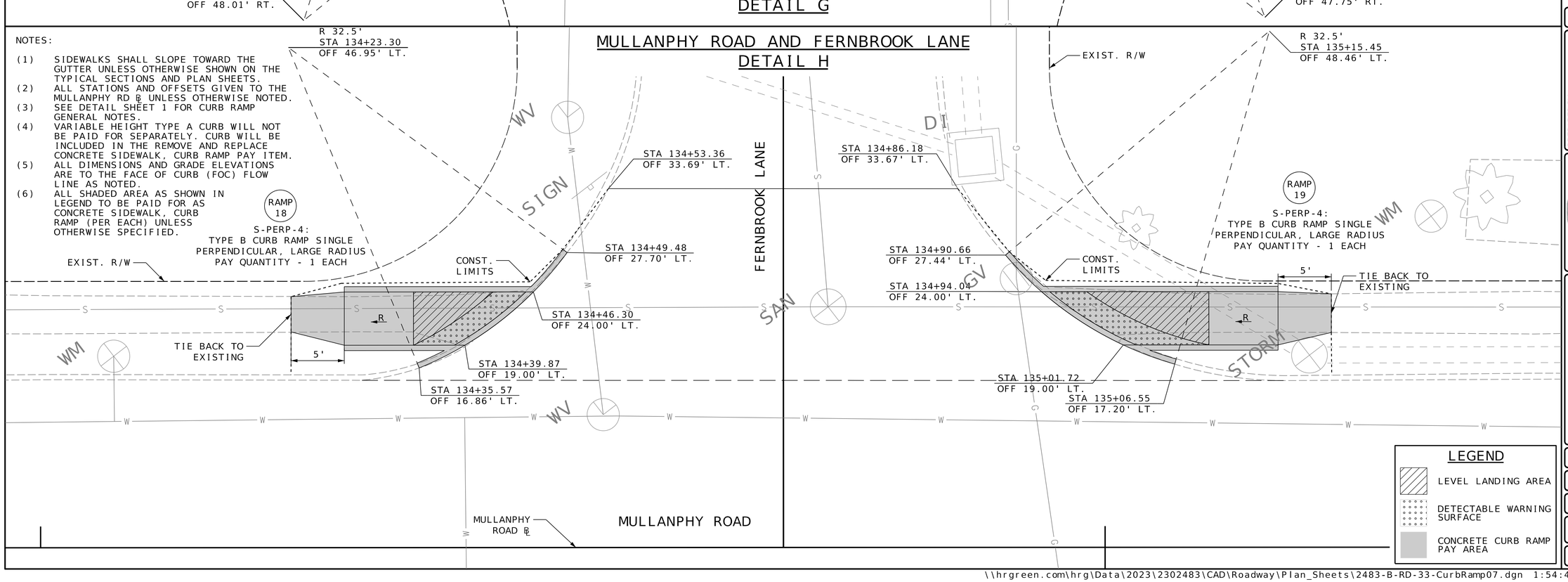
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MULLANPHY ROAD AND ASPEN DRIVE
DETAIL G

NOTES:

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MULLANPHY ROAD AND FERNBROOK LANE
DETAIL H

LEGEND
- LEVEL LANDING AREA
- DETECTABLE WARNING SURFACE
- CONCRETE CURB RAMP PAY AREA

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

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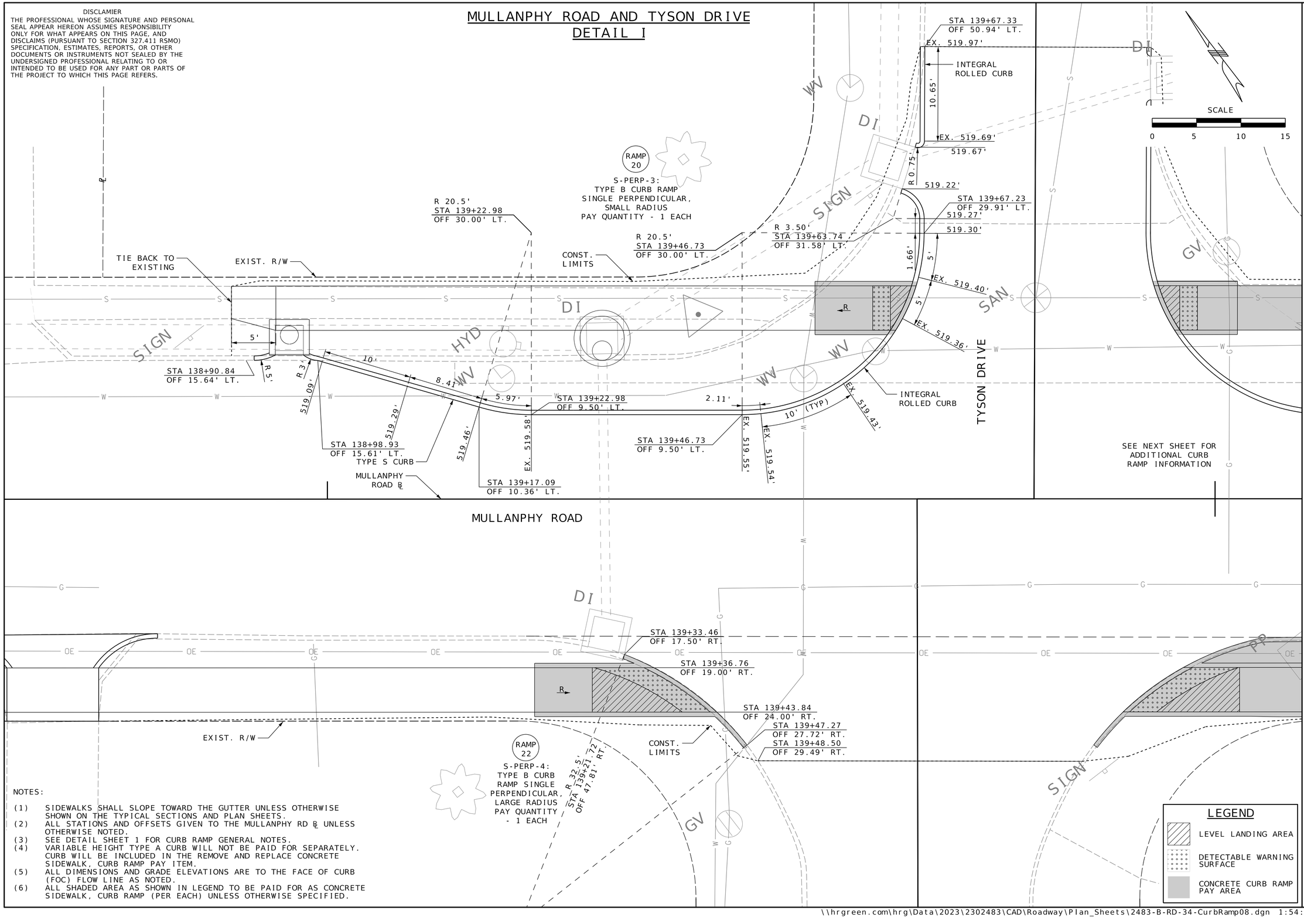
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MULLANPHY ROAD RESURFACING
CURB RAMP DETAIL SHEET (SHEET 7 OF 13)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 33 OF 97

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MULLANPHY ROAD AND TYSON DRIVE
DETAIL I



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LEGEND
- LEVEL LANDING AREA
- DETECTABLE WARNING SURFACE
- CONCRETE CURB RAMP PAY AREA

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

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MULLANPHY ROAD RESURFACING

CURB RAMP DETAIL SHEET (SHEET 8 OF 13)

DESIGNED: M. SCHNEIDER
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MULLANPHY ROAD AND TYSON DRIVE
DETAIL J

SCALE
0 5 10 15

STA 139+92.32
OFF 50.83' LT.
EX. 519.85
519.80'
R OR 0.5'
518.98'
519.00'
INTEGRAL ROLLED CURB
10' (TYP)
519.20'
4.35'
519.29'
STA 139+92.23
OFF 30.09' LT.
5'
EX. 519.39
STA 139+93.13
OFF 24.00' LT.
EX. 519.20
STA 139+95.44
OFF 19.00' LT.
INTEGRAL ROLLED CURB
EX. 518.87'
10' (TYP)
TYSON DRIVE

RAMP 21
S-PERP-3:
TYPE B CURB RAMP SINGLE PERPENDICULAR, SMALL RADIUS
PAY QUANTITY - 1 EACH
RAMP 21 → RAMP 21A

R 20.5'
STA 140+12.73
OFF 30.00' LT.
RAMP 21A
S-PERP-8:
TYPE B CURB RAMP SINGLE PERPENDICULAR
PAY QUANTITY - 1 EACH

R 20.5'
STA 140+31.85
OFF 30.00' LT.

CONST. LIMITS
5'
EXIST. R/W
TIE BACK TO EXISTING
STA 140+58.06
OFF 15.59' LT.
STA 140+52.43
OFF 14.77' LT.
5.71'
10'
EX. 517.95'
EX. 517.84'
STA 140+37.74
OFF 10.36' LT.
5.33'
STA 140+31.85
OFF 9.50' LT.
5.97'
EX. 518.30'
EX. 518.18'
TYPE S CURB
STA 140+12.73
OFF 9.50' LT.
2.29'
STA 140+19.08
OFF 9.50' LT.
STA 140+14.08
OFF 9.50' LT.
EX. 518.77'
EX. 518.73'
EX. 518.42'

MULLANPHY ROAD
MULLANPHY ROAD ℄
R 19.5'
STA 140+58.03
OFF 3.91' RT.

SEE PREVIOUS SHEET FOR ADDITIONAL CURB RAMP INFORMATION

STA 140+14.08
OFF 15.55' RT.
STA 140+05.45
OFF 15.63' RT.
TYPE S CURB
RAISED CONCRETE MEDIAN
(INCIDENTAL TO CURB RAMP)
STA 140+19.08
OFF 15.51' RT.
STA 140+24.08
OFF 15.47' RT.
RAMP 23 → RAMP 23A
STA 139+96.41
OFF 19.00' RT.
STA 139+89.63
OFF 24.00' RT.
STA 139+86.32
OFF 27.71' RT.
STA 139+85.39
OFF 29.00' RT.
CONST. LIMITS
RAMP 23
S-PERP-4:
TYPE B CURB RAMP SINGLE PERPENDICULAR, LARGE RADIUS
PAY QUANTITY - 1 EACH
R 32'
STA 140+12.16
OFF 47.43' RT.
FLAG
RAMP 23A
S-PERP-8:
TYPE B CURB RAMP SINGLE PERPENDICULAR
PAY QUANTITY - 1 EACH
EXIST. R/W

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LEGEND
- LEVEL LANDING AREA
- DETECTABLE WARNING SURFACE
- CONCRETE CURB RAMP PAY AREA

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS

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MULLANPHY ROAD RESURFACING

CURB RAMP DETAIL SHEET (SHEET 9 OF 13)

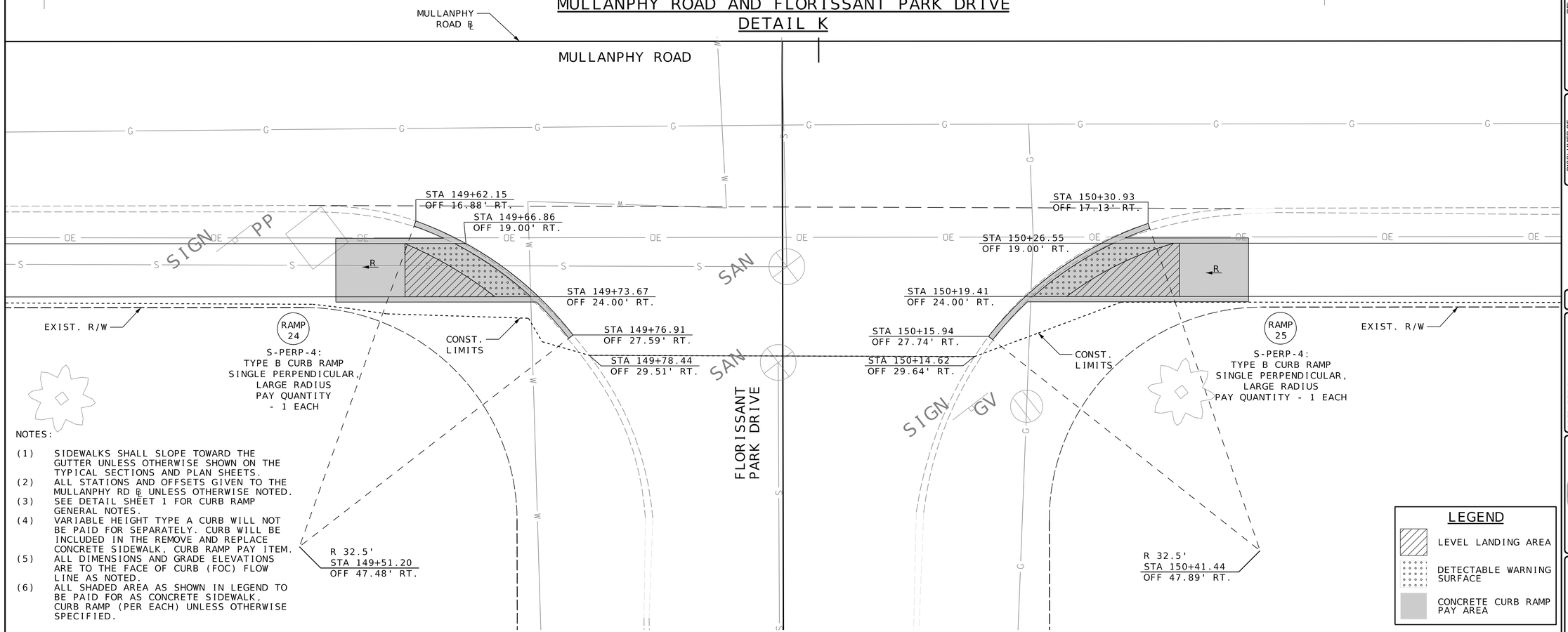
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SCALE
0 5 10 15

MULLANPHY ROAD AND FLORISSANT PARK DRIVE
DETAIL K



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LEGEND
- LEVEL LANDING AREA
- DETECTABLE WARNING SURFACE
- CONCRETE CURB RAMP PAY AREA

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

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MULLANPHY ROAD RESURFACING

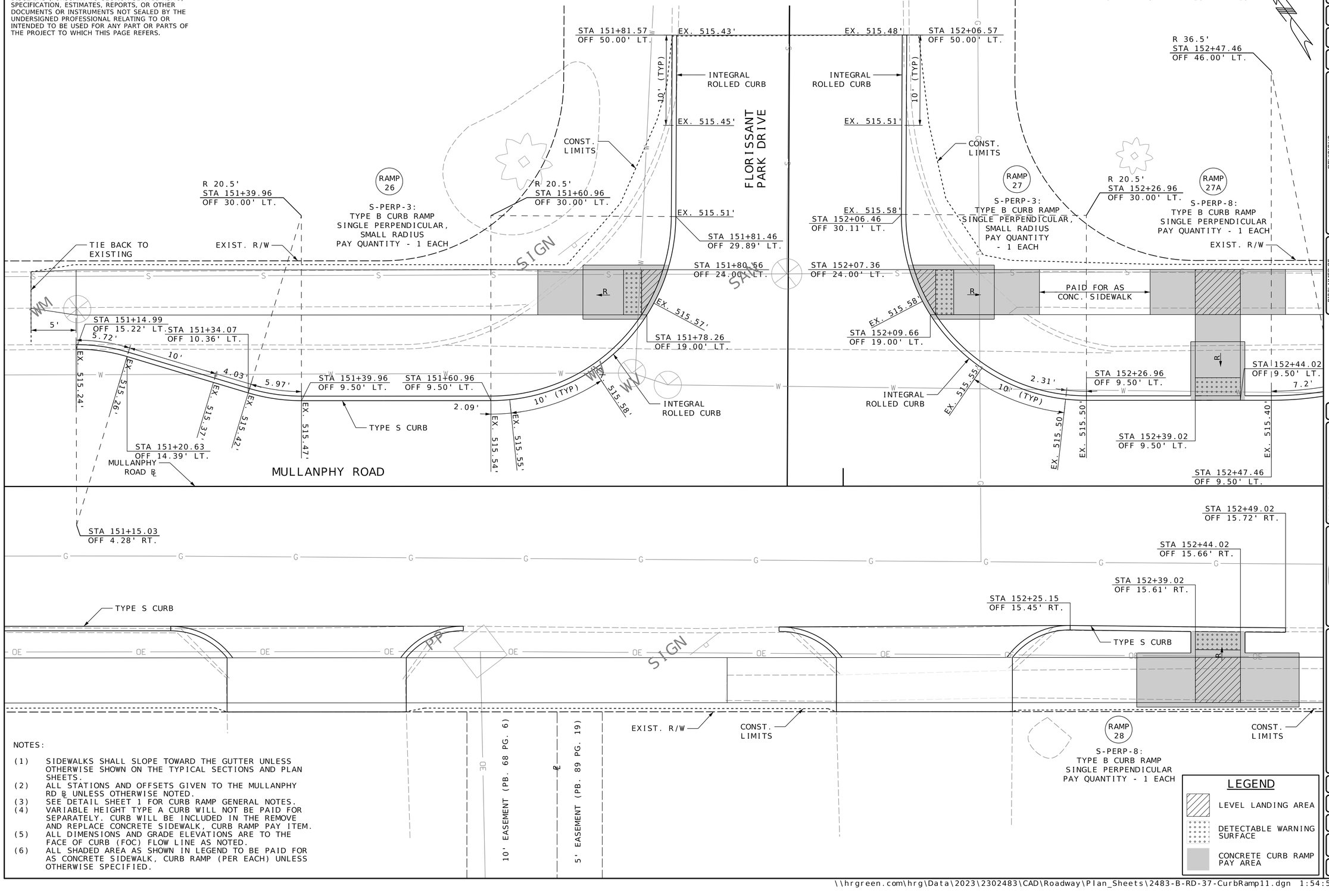
CURB RAMP DETAIL SHEET (SHEET 10 OF 13)

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SHEET SEQUENCE: 36 OF 97

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MULLANPHY ROAD AND FLORISSANT PARK DRIVE
DETAIL L

SCALE
0 5 10 15



NOTES:

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LEGEND

- LEVEL LANDING AREA
- DETECTABLE WARNING SURFACE
- CONCRETE CURB RAMP PAY AREA

COUNTY PROJECT NO.
2302483
FEDERAL PROJECT NO.
STP-4901(650)
E-W GATEWAY TIP NO.
7181-23, 7236-23
MSD:
24MSD-00286
MSD BASE MAP:
07J, 07K

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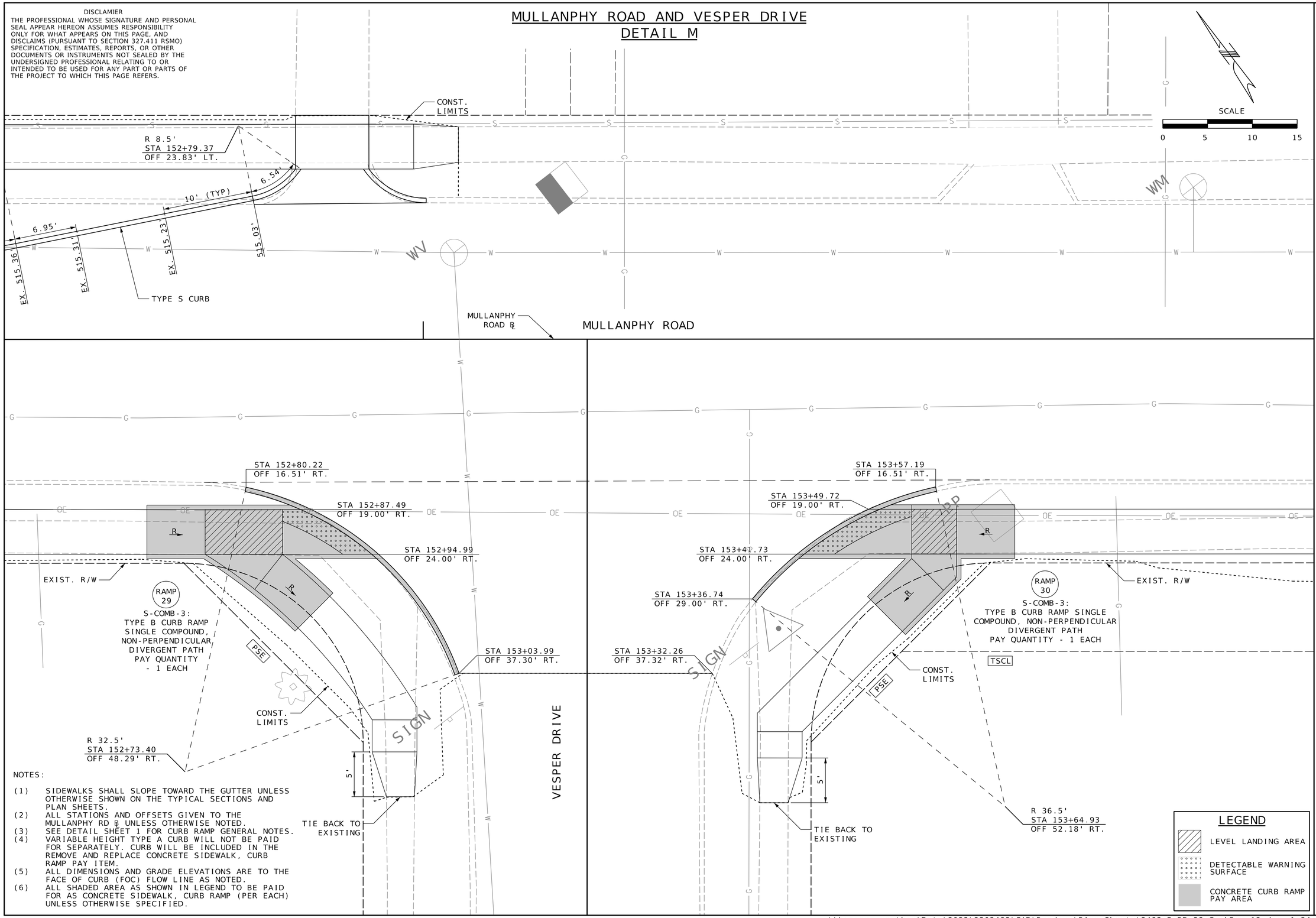
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CURB RAMP DETAIL SHEET (SHEET 11 OF 13)

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CHECKED: A. DAVIS
SHEET SEQUENCE: 37 OF 97

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MULLANPHY ROAD AND VESPER DRIVE
DETAIL M



NOTES:

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LEGEND
- LEVEL LANDING AREA
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- CONCRETE CURB RAMP PAY AREA

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MULLANPHY ROAD RESURFACING

CURB RAMP DETAIL SHEET (SHEET 12 OF 13)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 38 OF 97

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MULLANPHY ROAD AND ANGELUS DRIVE
DETAIL N

SCALE
0 5 10 15

MULLANPHY ROAD ℄

MULLANPHY ROAD

STA 155+56.20
OFF 19.00' RT.

STA 155+66.44
OFF 23.96' RT.

STA 155+86.42
OFF 19.11' RT.

STA 155+95.30
OFF 23.99' RT.

STA 156+03.42
OFF 33.22' RT.

EXIST. R/W

STA 155+55.05
OFF 24.00' RT.

STA 155+65.29
OFF 28.96' RT.

CONST. LIMITS

TSCL

R 15' BACK OF SDWK
STA 155+79.75
OFF 43.98' RT.

R 32.5'
STA 155+75.40
OFF 49.68' RT.

RAMP 31

S-COMB-3:
TYPE B CURB RAMP SINGLE COMPOUND, NON-PERPENDICULAR DIVERGENT PATH
PAY QUANTITY - 1 EACH

TIE BACK TO EXISTING

ANGELUS DRIVE

STA 156+52.19
OFF 20.99' RT.

STA 156+47.00
OFF 24.00' RT.

STA 156+40.58
OFF 29.00' RT.

STA 156+36.28
OFF 33.48' RT.

STA 156+41.69
OFF 37.09' RT.

TIE BACK TO EXISTING

CONST. LIMITS

EXIST. R/W

RAMP 32

BT-1:
TYPE E CURB RAMP BLENDED TRANSITION, BACK OF CURB
PAY QUANTITY - 1 EACH

R 32.5'
STA 156+63.31
OFF 51.53' RT.

NOTES:

(1) SIDEWALKS SHALL SLOPE TOWARD THE GUTTER UNLESS OTHERWISE SHOWN ON THE TYPICAL SECTIONS AND PLAN SHEETS.
(2) ALL STATIONS AND OFFSETS GIVEN TO THE MULLANPHY RD ℄ UNLESS OTHERWISE NOTED.
(3) SEE DETAIL SHEET 1 FOR CURB RAMP GENERAL NOTES.
(4) VARIABLE HEIGHT TYPE A CURB WILL NOT BE PAID FOR SEPARATELY. CURB WILL BE INCLUDED IN THE REMOVE AND REPLACE CONCRETE SIDEWALK, CURB RAMP PAY ITEM.
(5) ALL DIMENSIONS AND GRADE ELEVATIONS ARE TO THE FACE OF CURB (FOC) FLOW LINE AS NOTED.
(6) ALL SHADED AREA AS SHOWN IN LEGEND TO BE PAID FOR AS CONCRETE SIDEWALK, CURB RAMP (PER EACH) UNLESS OTHERWISE SPECIFIED.

LEGEND
- LEVEL LANDING AREA
- DETECTABLE WARNING SURFACE
- CONCRETE CURB RAMP PAY AREA

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO. 7181-23, 7236-23
MSD: 24MSD-00286
MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:12:55 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

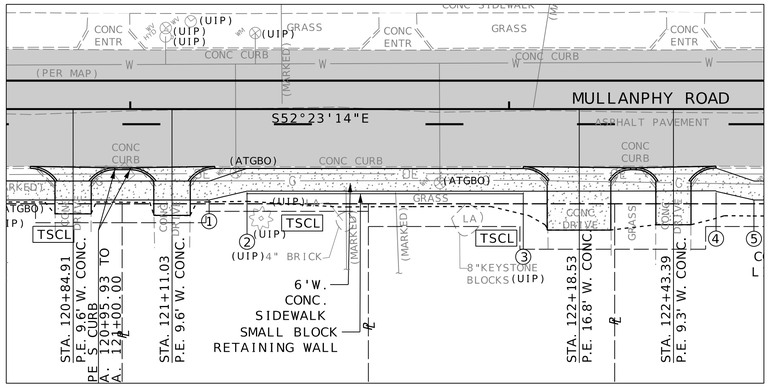
PREPARED BY:
HRGreen
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: (314) 579-0900 FAX: (314) 579-0905
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

CURB RAMP DETAIL SHEET (SHEET 13 OF 13)

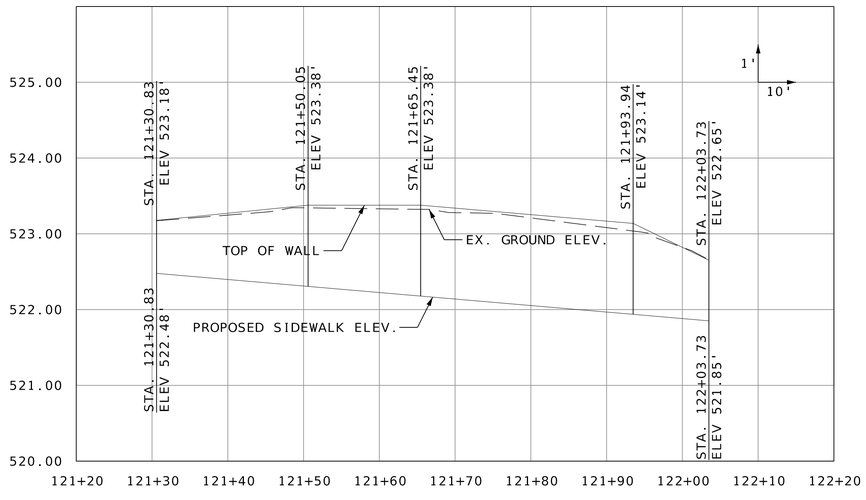
DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 39 OF 97

① BEGIN SIDEWALK TAPER - STA. 121+20.83
② END SIDEWALK TAPER, BEGIN RETAINING WALL - STA. 121+30.83
③ END RETAINING WALL - STA. 122+03.73
④ BEGIN SIDEWALK TAPER - STA. 122+54.64
⑤ END SIDEWALK TAPER - STA. 122+64.63



PLAN VIEW

NOT TO SCALE



DEVELOPED WALL ELEVATION

NOTES:

DESIGN SPECIFICATIONS
2002 AASHTO LFD (17TH EDITION) STANDARD SPECIFICATIONS (SECTION 5 ASD DESIGN)
MAXIMUM NET ALLOWABLE BEARING PRESSURE - 1.0 KSF

1. MODULAR BLOCK RETAINING WALLS SHALL MEET THE REQUIREMENTS OF THE ST. LOUIS COUNTY HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, CURRENT EDITION.

2. UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEY DATA AND RECORDS. THE OWNER DOES NOT WARRANT THE LOCATION OF THESE FACILITIES AS PRECISE. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXISTENCE AND PRECISE LOCATION OF ALL FACILITIES AND TO AVOID DAMAGE.

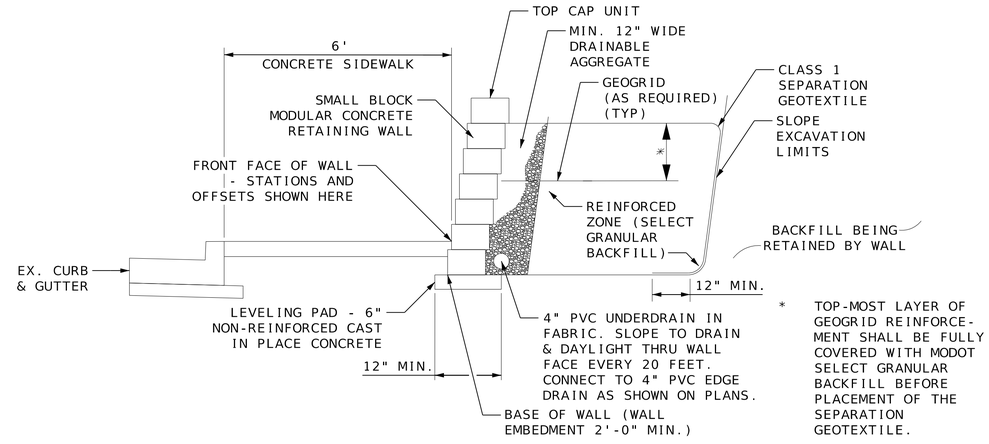
3. RETAINING WALL STATIONING GIVEN FROM FRONT FACE OF WALL.

4. MODULAR BLOCK RETAINING WALL TO BE DESIGNED PER MANUFACTURER'S DETAILS BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF MISSOURI. CONTRACTOR IS REQUIRED TO SUBMIT SEALED WALL DESIGN, INCLUDING ALL PLANS, DESIGN CALCS, SUBSURFACE INFORMATION, (BORING LOGS OR TOHER FACTUAL RECORDS) AND OTHER PERTINENT INFORMATION TO THE CITY OF FLORISSANT PUBLIC WORKS DEPARTMENT FOR REVIEW.

5. A CLASS 1 GEOTEXTILE MATERIAL SHALL BE PLACED BETWEEN THE SELECT GRANULAR BACKFILL AND THE RETAINED BACKFILL, AND THE RETAINED BACKFILL OVER THE TOP OF THE SELECT GRANULAR BACKFILL, TO PREVENT MIXING OF THE IN-SITU SOIL WITH THE GRANULAR MATERIAL. SEE THE STANDARD SPECIFICATIONS FOR FURTHER DETAILS.

6. MODULAR BLOCK WALL PAY ITEM INCLUDES MODULAR BLOCK WALL, EXCAVATION REQUIRED FOR WALL, LEVELING PAD, UNDERDRAIN PIPE, BACKFILL FOR WALL, SEPARATION GEOTEXTILE FABRIC, GEOGRID, AND ANY OTHER COMPONENTS REQUIRED PER MANUFACTURER'S DETAILS. PAY ITEM MEASURED TO THE NEAREST SQUARE FOOT OF EXPOSED WALL FACE.

7. "MBW" STAND FOR MODULAR BLOCK RETAINING WALL.



TYPICAL SECTION A-A THRU MODULAR BLOCK WALL

NOT TO SCALE

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO.
MSD:
MSD BASE MAP: 07J, 07K

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STATE OF MISSOURI
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Andrea S. Davis - Civil
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ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Pleurissant 1796 Florissant City of Historic Site

MULLANPHY ROAD RESURFACING

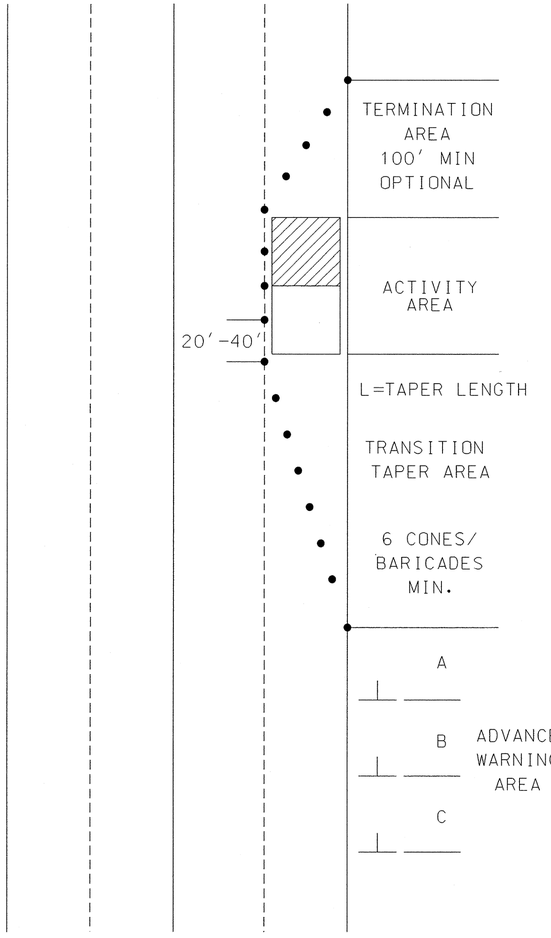
RETAINING WALL DETAIL SHEET (SHEET 1 OF 1)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 40 OF 97

4/21/2026 1:55:00 PM \\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-40-WallDetail.dgn

TYPICAL WORK ZONE

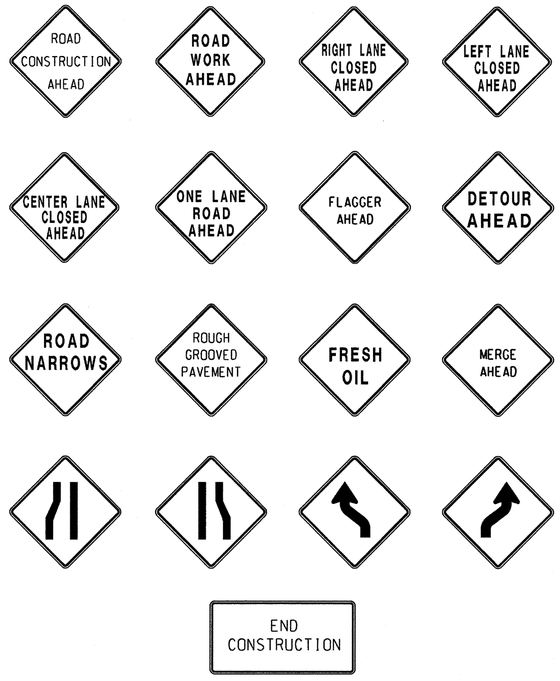
DAY -- CONES OVERNIGHT -- BARRICADES



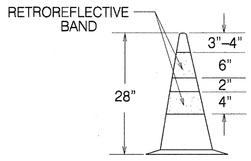
SPEED (MPH)	DISTANCE BETWEEN SIGNS		
	A	B	C
0-30	100'	100'	100'
35-45	350'	350'	350'
50+	1,000'	1,500'	2,640'

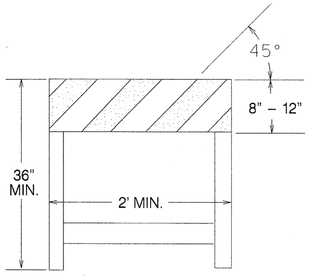
TAPER LENGTH BY SPEED LIMIT					
SPEED	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH
TAPER	120'	180'	240'	300'	540'

TYPICAL TRAFFIC CONTROL DEVICES









TYPE 1 BARRICADE

FLAGGING METHOD



TO STOP TRAFFIC



TRAFFIC PROCEED



TO ALERT AND SLOW TRAFFIC

LEGEND

S/L — SPEED LIMIT

L — TAPER LENGTH

TRUCK WITH HEADLIGHTS AND FLASHING WARNING LIGHTS ON

BUFFER SPACE

REPAIR AREA

FLAGGER

SIGN

20'-40' — CONES/ BARRICADES

BARRICADE

ARROW PANEL

COUNTY PROJECT NO. 2302483

FEDERAL PROJECT NO. STP-4901(650)

E-W GATEWAY TIP NO.

MSD:

MSD BASE MAP: 07J, 07K

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PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Fleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

TRAFFIC CONTROL SHEET (SHEET 1 OF 9)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

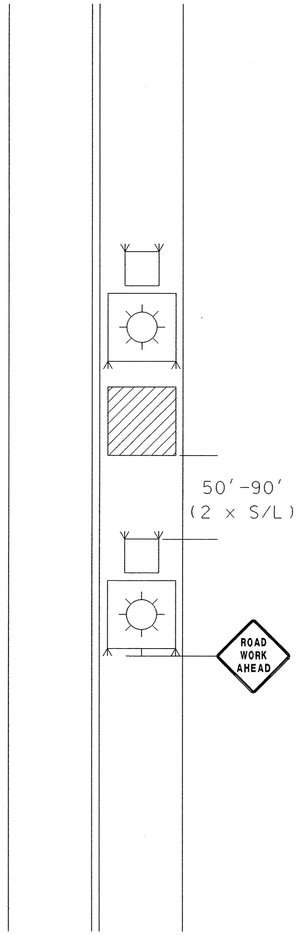
CHECKED: A. DAVIS

SHEET SEQUENCE: 41 OF 97

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ARTERIAL ROAD - TWO-FIVE LANES

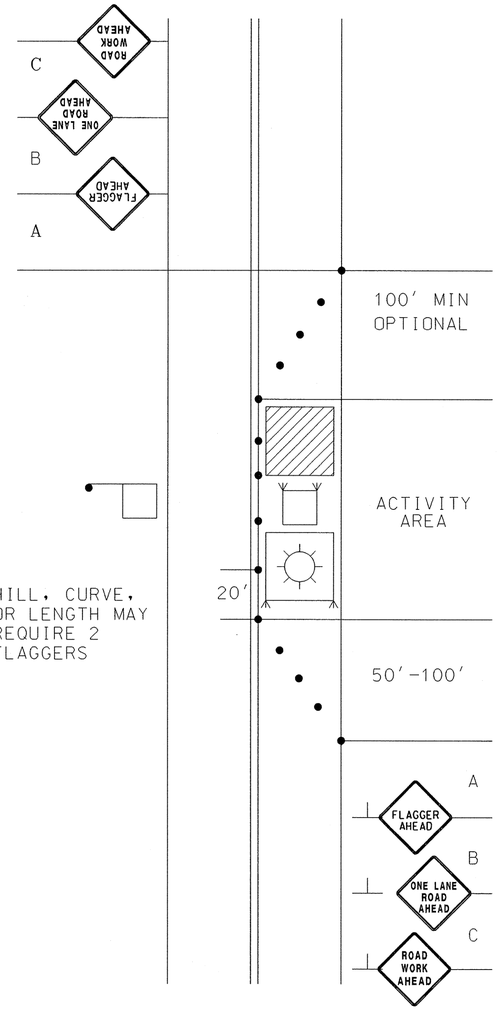
SLOW MOVING OPERATION (UNDER 1 HOUR)



NOTE: FOR USE ON CONCRETE REPLACEMENT WORK AT INTERSECTIONS WITH ARTERIAL ROADS.

ARTERIAL ROAD - TWO LANE

WORK OVER 1 HOUR

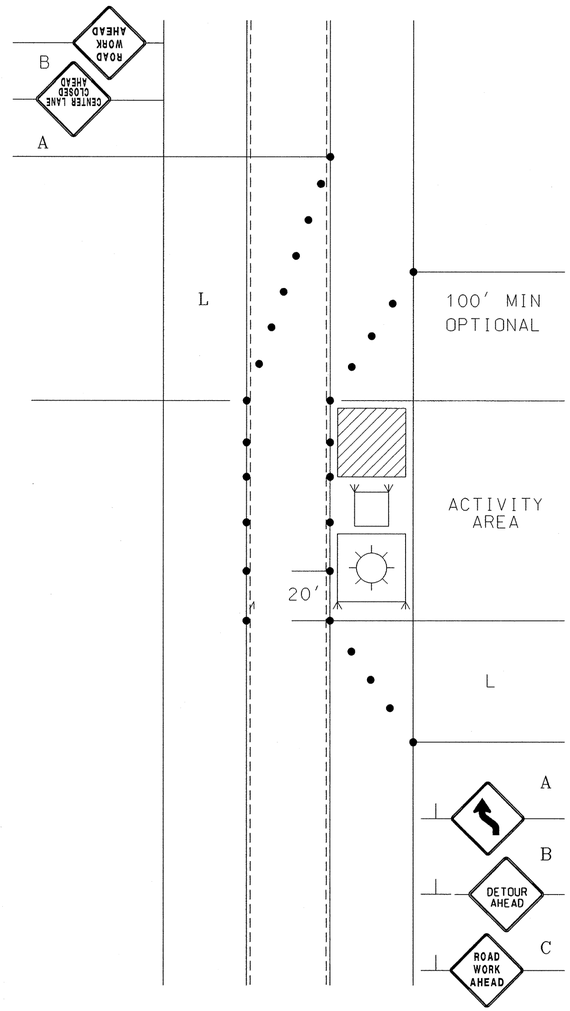


HILL, CURVE, OR LENGTH MAY REQUIRE 2 FLAGGERS

SPEED (MPH)	DISTANCE BETWEEN SIGNS		
	A	B	C
0-30	100′	100′	100′
35-45	350′	350′	350′
50+	1,000′	1,500′	2,640′

ARTERIAL ROAD - THREE LANE

WORK OVER 1 HOUR
DAY -- CONES OVERNIGHT -- BARRICADES



SPEED (MPH)	DISTANCE BETWEEN SIGNS		
	A	B	C
0-30	100′	100′	100′
35-45	350′	350′	350′
50+	1,000′	1,500′	2,640′

TAPER LENGTH SPEED LIMIT					
SPEED	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH
TAPER	120′	180′	240′	300′	540′

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.

MSD:

MSD BASE MAP:
07J, 07K

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PROFESSIONAL ENGINEER

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Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Fleurissant 1786 St. Florissant City of Florissant

MULLANPHY ROAD RESURFACING

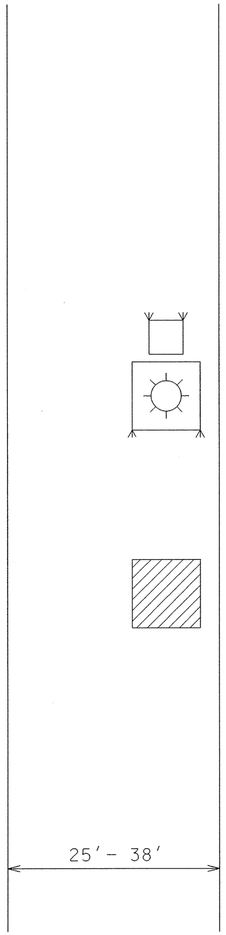
TRAFFIC CONTROL SHEET (SHEET 2 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 42 OF 97

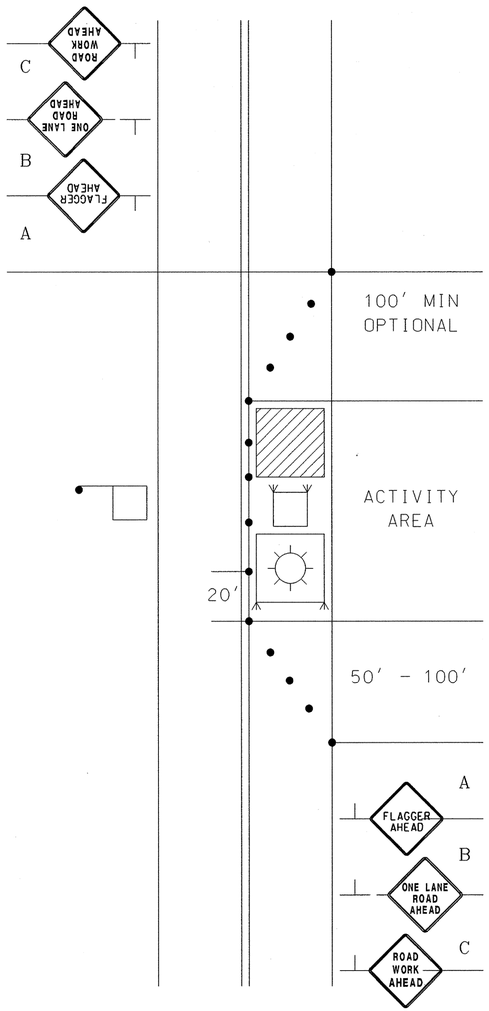
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COUNTY ROAD (25-30 MPH S/L)

SLOW MOVING OPERATION (UNDER 1 HOUR)

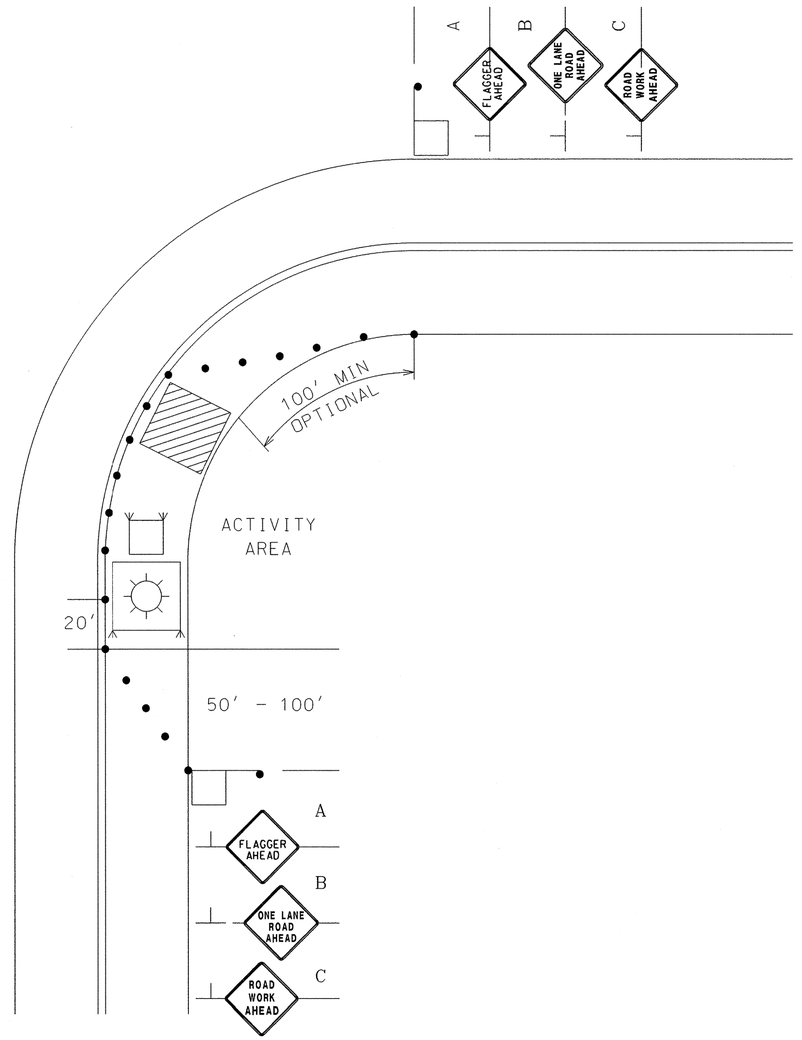


TYPICAL ONE FLAGGER OPERATION



SPEED (MPH)	DISTANCE BETWEEN SIGNS		
	A	B	C
0-30	100′	100′	100′
35-45	350′	350′	350′
50+	1,000′	1,500′	2,640′

TYPICAL TWO FLAGGER OPERATION



SPEED (MPH)	DISTANCE BETWEEN SIGNS		
	A	B	C
0-30	100′	100′	100′
35-45	350′	350′	350′
50+	1,000′	1,500′	2,640′

COUNTY PROJECT NO. 2302483

FEDERAL PROJECT NO. STP-4901(650)

E-W GATEWAY TIP NO.

MSD:

MSD BASE MAP: 07J, 07K

REVISIONS

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DATE: 4/21/2026

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St. Ferdinand de Florissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

TRAFFIC CONTROL SHEET (SHEET 3 OF 9)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

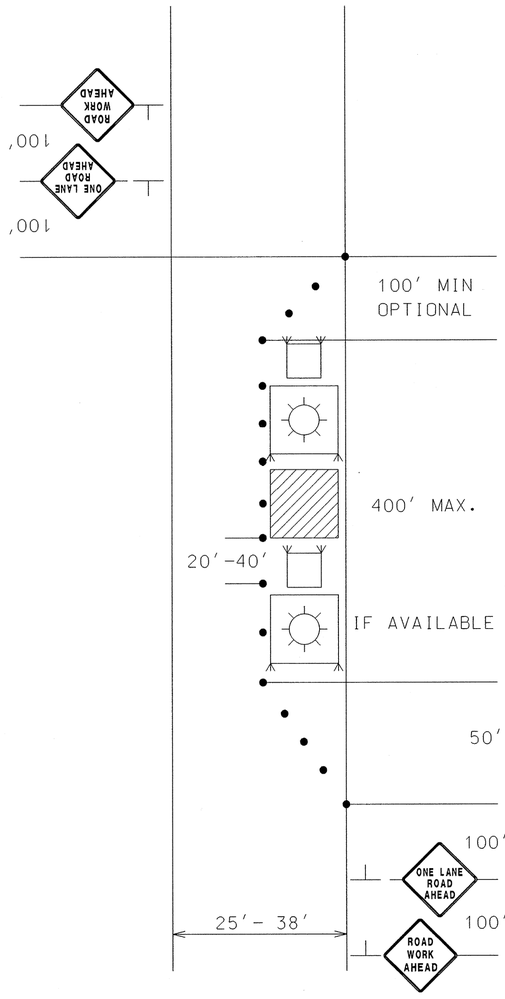
CHECKED: A. DAVIS

SHEET SEQUENCE: 43 OF 97

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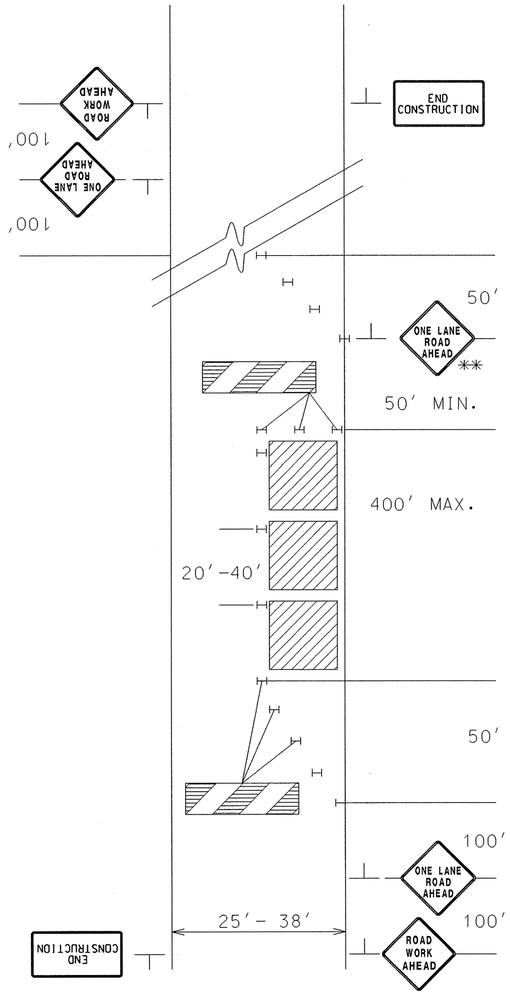
COUNTY ROAD (25-30 MPH S/L)

WORK OVER 1 HOUR



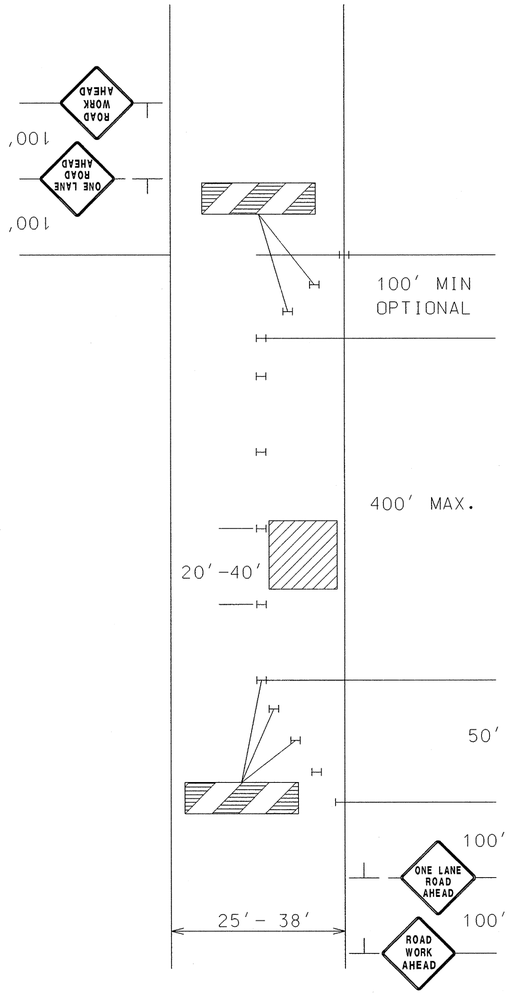
COUNTY ROAD (25-30 MPH S/L)

SLAB REPLACEMENT - OVERNIGHT



COUNTY ROAD (25-30 MPH S/L)

OVERNIGHT - USE BARRICADES



** Sign needed when gap exceeds 500 ft.

COUNTY PROJECT NO. 2302483

FEDERAL PROJECT NO. STP-4901(650)

E-W GATEWAY TIP NO.

MSD:

MSD BASE MAP: 07J, 07K

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DATE: 4/21/2026

PREPARED BY: HRGreen — 520 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141

ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

TRAFFIC CONTROL SHEET (SHEET 4 OF 9)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

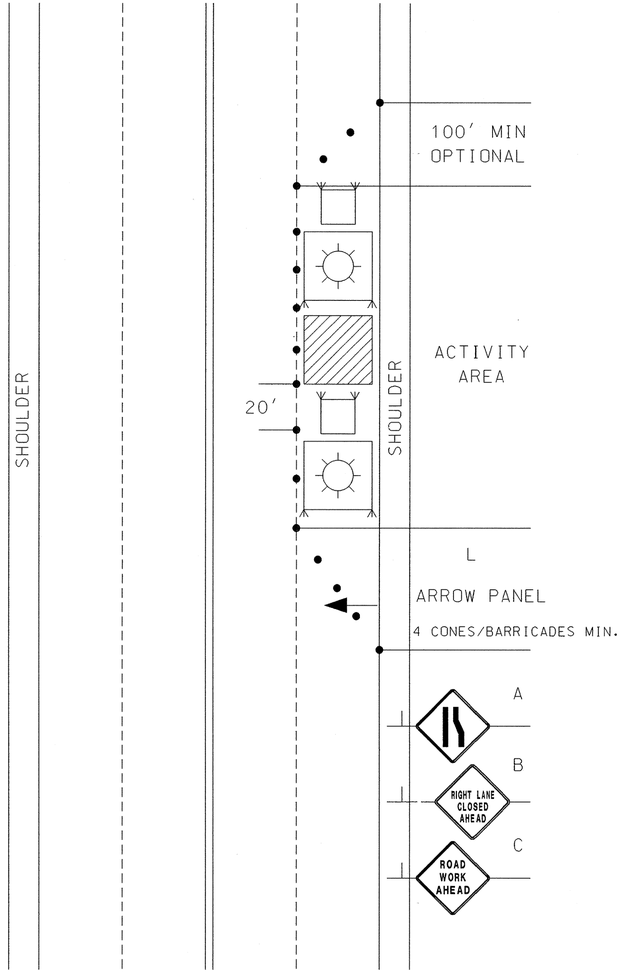
CHECKED: A. DAVIS

SHEET SEQUENCE: 44 OF 97

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ARTERIAL ROAD
FOUR-FIVE LANES

WORK OVER 1 HOUR
DAY -- CONES OVERNIGHT -- BARRICADES

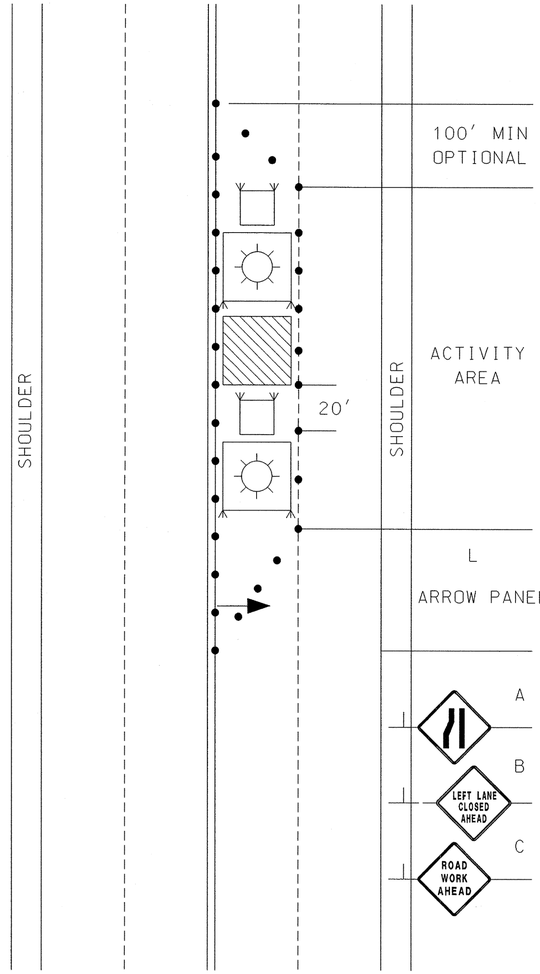


SPEED (MPH)	DISTANCE BETWEEN SIGNS		
	A	B	C
0-30	100′	100′	100′
35-45	350′	350′	350′
50+	1,000′	1,500′	2,640′

TAPER LENGTH BY SPEED LIMIT					
SPEED	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH
TAPER	120′	180′	240′	300′	540′

ARTERIAL ROAD
FOUR-FIVE LANES

WORK OVER 1 HOUR
DAY -- CONES OVERNIGHT -- BARRICADES

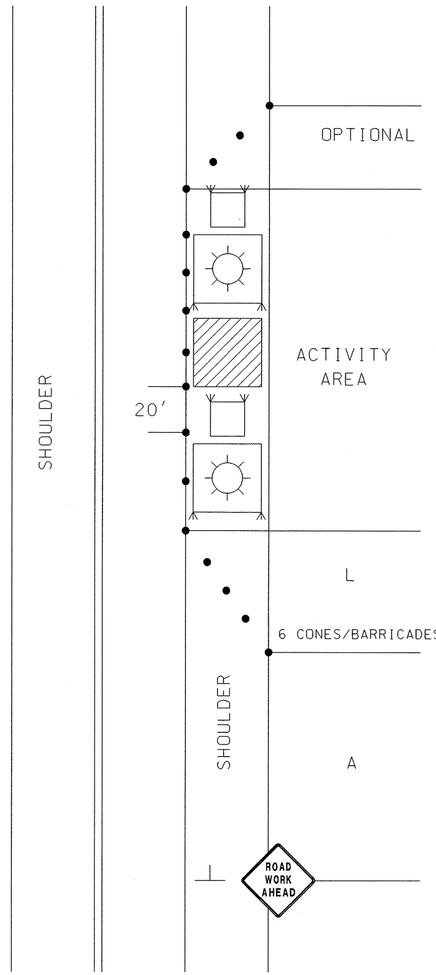


SPEED (MPH)	DISTANCE BETWEEN SIGNS		
	A	B	C
0-30	100′	100′	100′
35-45	350′	350′	350′
50+	1,000′	1,500′	2,640′

TAPER LENGTH BY SPEED LIMIT					
SPEED	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH
TAPER	120′	180′	240′	300′	540′

SHOULDER WORK
TWO-FIVE LANES

WORK OVER 1 HOUR
DAY -- CONES OVERNIGHT -- BARRICADES



SPEED (MPH)	DISTANCE BETWEEN SIGNS		
	A	B	C
0-30	100′	100′	100′
35-45	350′	350′	350′
50+	1,000′	1,500′	2,640′

SHOULDER TAPER LENGTH BY SPEED LIMIT					
SPEED	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH
TAPER	40′	60′	80′	100′	180′

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.

MSD:

MSD BASE MAP:
07J, 07K

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ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:13:11 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
101 MARYVILLE CENTRE DRIVE, STE. 150, ST. LOUIS, MO 63141
PHONE: 314-432-0550 FAX: 314-432-0551
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Florissant 1786 Est. City of Florissant

MULLANPHY ROAD
RESURFACING

TRAFFIC CONTROL SHEET
(SHEET 5 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 45 OF 97

4/21/2026 1:55:38 PM \\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-45-TC05.dgn

SCHEDULE
TEMPORARY LANE CLOSING REQUIREMENTS

RECOMMENDED SIGN SPACING FOR ADVANCE WARNING SIGN SERIES			
SPEED (MPH)	DISTANCE BETWEEN SIGNS		
	A	B	C
0-30	100′	100′	100′
35-45	350′	350′	350′
50+	1,000′	1,500′	2,640′

The "A" dimension is the distance from the beginning of the transition, or point of restriction, to the first sign. The "B" dimension is the distance between the first and second signs. The "C" dimension is the distance between the second and third signs. (The "first sign" is the sign in a three sign series that is closest to the activity area. The "third sign" is the sign that is furthest upstream from the activity area.)

TYPE OF TAPER	TAPER LENGTH
MERGING TAPER	AT LEAST L
SHIFTING TAPER	AT LEAST 0.5L
SHOULDER TAPER	AT LEAST 0.33L
ONE-LANE, TWO WAY TRAFFIC TAPER	50′ MIN., 100′ MAX.
DOWNSTREAM TAPER	50′ MIN., 100′ MAX.

NOTES: 1) $L=WS^2/60$ (SPEEDS OF 40 MPH OR LESS)
$L=WS$ (SPEEDS OF 45 MPH OR GREATER)
TAPER LENGTHS SHOWN ARE ROUNDED TO THE NEAREST 5 FEET.

2) PRESCRIBED DISTANCES MAY BE VARIED WITH APPROVAL OF THE DEPARTMENT OF TRANSPORTATION

RECOMMENDED TAPER LENGTH AND DEVICE SPACING FOR CHANNELIZING TAPERS				
APPROACH SPEED OF TRAFFIC (MPH)	MINIMUM TAPER LENGTH FOR LANE WIDTHS			MAXIMUM DEVICE SPACING (IN FEET)
	10 FT.	11 FT.	12 FT.	
20	70	75	80	20
25	105	115	125	25
30	150	165	180	30
35	205	225	245	35
40	265	295	320	40
45	450	495	540	45
50	500	550	600	50
55	550	605	660	55
60	600	660	720	60
65	650	715	780	65

RECOMMENDED MAXIMUM SPACING OF CHANNELIZING DEVICES AT CURVES					
CURVATURE		SPACING ON CURVE (IN FEET)	SPACING IN ADVANCE OF AND BEYOND CURVE (IN FEET)		
DEGREE OF CURVE	RADIUS (IN FEET)		1ST.	2ND.	3RD.
Tangent-1/2°	11,500	100	100	100	100
1/2°-2°	11,500-2,860	75	85	100	100
2°-4°	2,860-1,430	60	70	80	100
4°-8°	1,430-715	50	60	70	80
8°-16°	715-360	40	50	60	70
16-40°	360-140	20	30	50	70

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO.
MSD:
MSD BASE MAP: 07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

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DATE: 4/21/2026

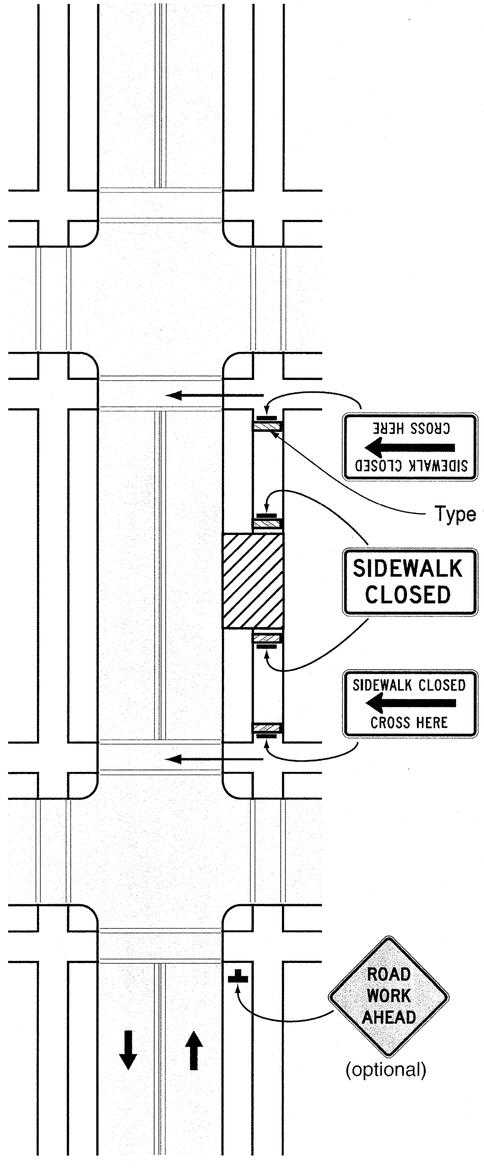
PREPARED BY: HRGreen
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MULLANPHY ROAD RESURFACING

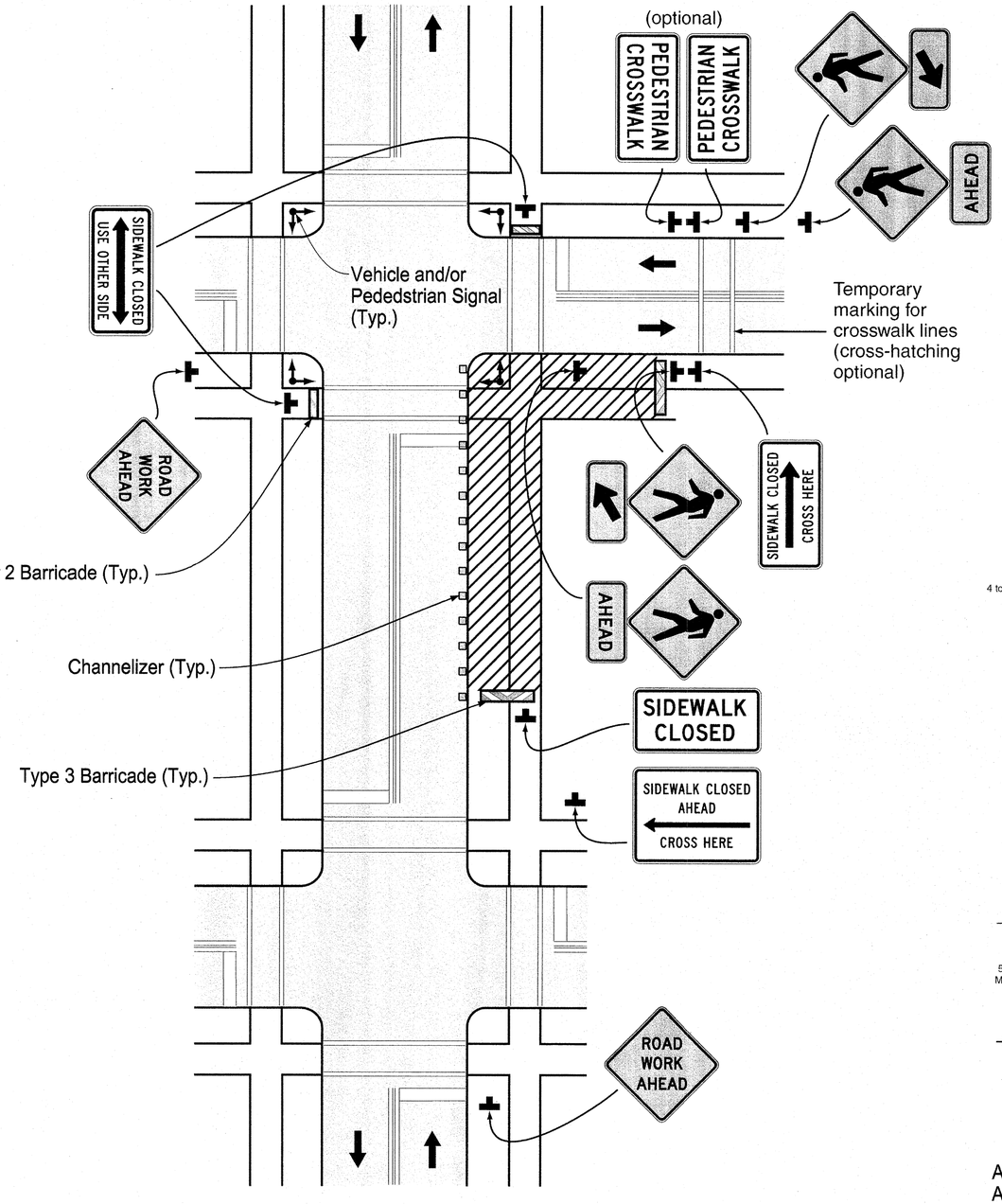
TRAFFIC CONTROL SHEET (SHEET 6 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 46 OF 97

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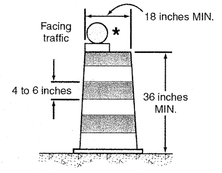


Sidewalk Detour

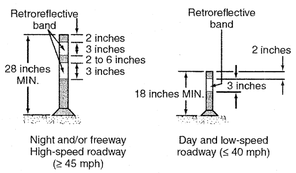


Crosswalk Closures and Pedestrian Detours

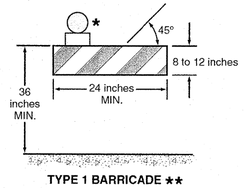
Channelizing Devices



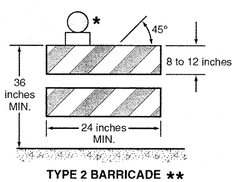
DRUM



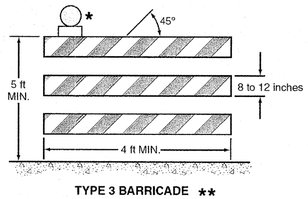
TUBULAR MARKERS



TYPE 1 BARRICADE **



TYPE 2 BARRICADE **



TYPE 3 BARRICADE **

* Warning lights (optional)
** Rail stripe widths shall be 6 inches, except that 4-inch wide stripes may be used if rail lengths are less than 36 inches. The sides of barricades facing traffic shall have retroreflective rail faces.

ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

TEMPORARY TRAFFIC MARKINGS SHALL BE REFLECTIVE TAPE

NO DIRECT PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO.
MSD:
MSD BASE MAP: 07J, 07K

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REV	DATE	BY	APP	DESCRIPTION

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St. Ferdinand de Pleurisant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

TRAFFIC CONTROL SHEET (SHEET 7 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 47 OF 97

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R1-1

1



WO20-1

2

BRIDGE
OR
RAMP



WO21-5

3



WO5-1

4

BRIDGE
OR
RAMP



R1-2

TO
ONCOMING
TRAFFIC

R1-2aP

5



WO20-4

6

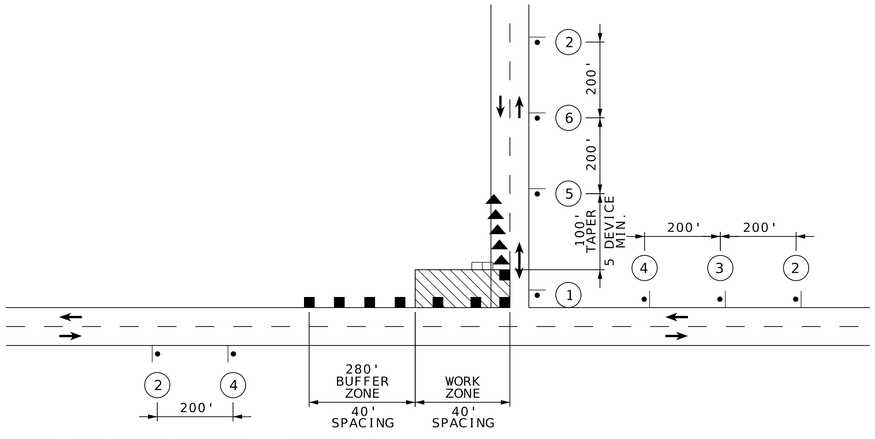
TRAFFIC CONTROL NOTES:

1. FLAGGING OPERATIONS WILL BE ALLOWED DURING DAYLIGHT HOURS ONLY.
2. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING SIGNS.
3. NO DIRECT PAYMENT WILL BE MADE FOR COVERING SIGN.
4. COMPLETELY COVER OR REMOVE ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL SIGNING.
5. COVER OR REMOVE ALL SIGNS WHEN NOT IN USE.
6. USE IN PLACE ALL EXISTING SIGNS WHICH TO NOT CONFLICT WITH THIS PLAN.
7. ACCESS TO ALL PRIVATE ENTRANCES AND COMMERCIAL ENTRANCES SHALL BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE SHOWN ON THESE PLANS.
8. SPACING SHOWN MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
9. ALL SIGNS SHOWN ON THESE PLANS SHALL BE SPACED 200' APART.

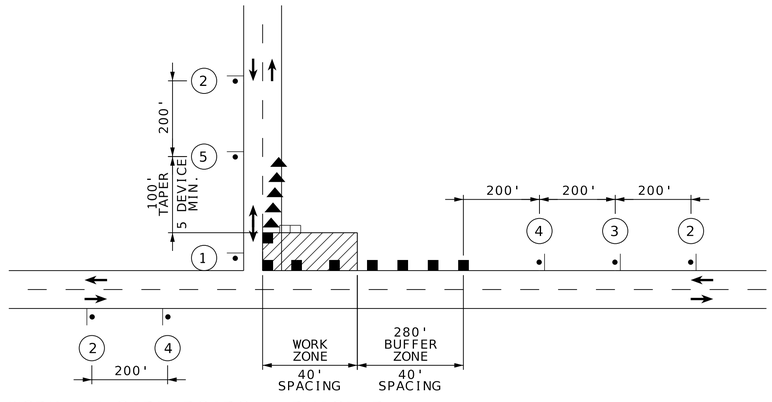
BUFFER SPACE = 280 FT
MAXIMUM CHANNELIZER SPACING
THROUGH TAPER = 35 FT
THROUGH WORK ZONE = 40 FT
MINIMUM TAPER LENGTHS
10 FT SHIFT = 205 FT TAPER
11 FT SHIFT = 225 FT TAPER
12 FT SHIFT = 245 FT TAPER

TRAFFIC CONTROL LEGEND

- SIGN
- CHANNELIZER
- TYPE 3 MOVEABLE BARRICADE
- ACTIVE WORK ZONE
- DIRECTIONAL INDICATOR BARRICADE



WORK AT SIDE ROADS - PHASE A



WORK AT SIDE ROADS - PHASE B

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.

MSD:

MSD BASE MAP:
07J, 07K

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4600 MADSEN DRIVE, SUITE A, COLUMBIA, MO 65203
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St. Ferdinand de Pleurisaunt 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

TRAFFIC CONTROL SHEET (SHEET 8 OF 9)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 48 OF 97

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R1-1

(1)



WO20-1

(2)



WO21-5

(3)



WO5-1

(11)

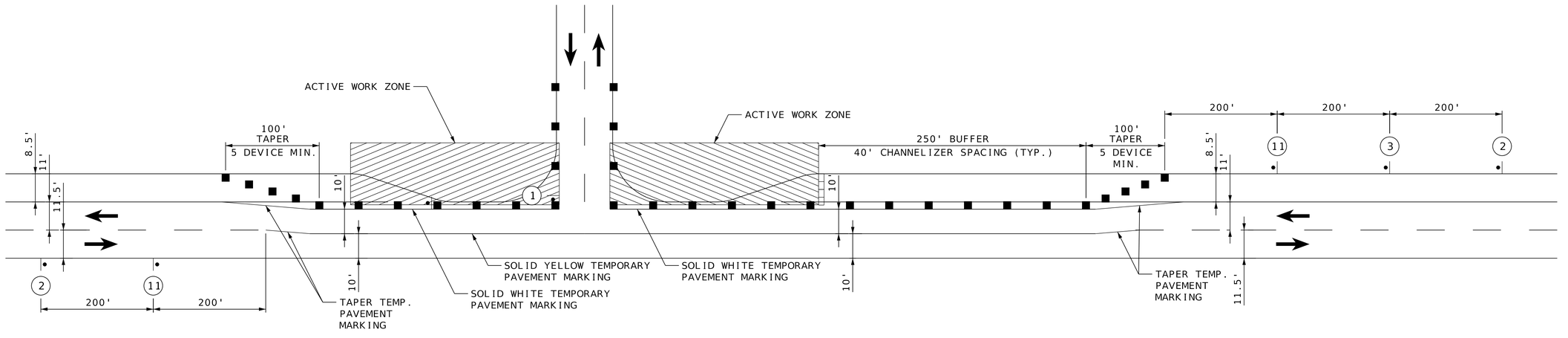
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BUFFER SPACE = 280 FT
MAXIMUM CHANNELIZER SPACING
THROUGH TAPER = 35 FT
THROUGH WORK ZONE = 40 FT
MINIMUM TAPER LENGTHS
10 FT SHIFT = 205 FT TAPER
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12 FT SHIFT = 245 FT TAPER

TRAFFIC CONTROL LEGEND

- SIGN
- CHANNELIZER
- TYPE 3 MOVEABLE BARRICADE
- ACTIVE WORK ZONE
- DIRECTIONAL INDICATOR BARRICADE



WORK AT SIDEROAD BUMPOUTS

COUNTY PROJECT NO. 2302483

FEDERAL PROJECT NO. STP-4901(650)

E-W GATEWAY TIP NO.

MSD:

MSD BASE MAP: 07J, 07K

REVISIONS

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MULLANPHY ROAD RESURFACING

TRAFFIC CONTROL SHEET (SHEET 9 OF 9)

DESIGNED: M. SCHNEIDER

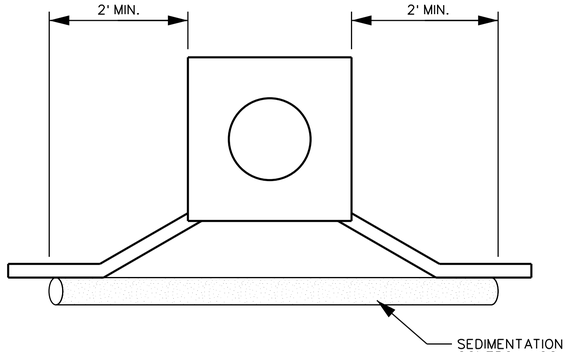
DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

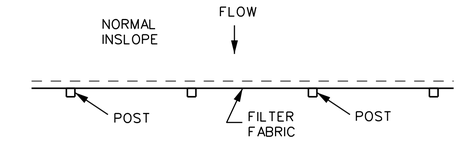
SHEET SEQUENCE: 49 OF 97

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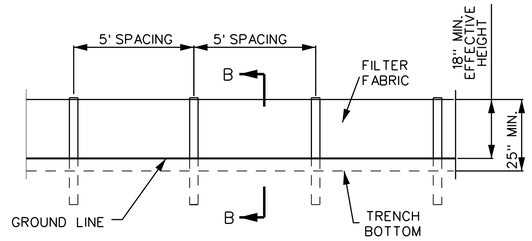
INLET PROTECTION LOCATIONS		
	INLET PROTECTION, SINGLE UNIT	INLET PROTECTION, DOUBLE UNIT
MULLANPHY ROAD		
107+87.71		1
114+24.09		1
117+68.13	1	
117+69.13	1	
120+19.68	1	
120+31.80	1	
124+87.49	1	
124+87.74	1	
128+12.14	1	
128+13.11	1	
131+36.90	1	
132+11.76	1	
132+11.80	1	
134+00.60	1	
138+21.51		1
139+30.96	1	
139+31.43	1	
141+59.91	1	
141+61.48	1	
148+25.11	1	
148+25.51	1	
155+69.46	1	
MULLAN DRIVE		
99+57.95		1
99+59.86	1	
99+60.76	1	
LOVELAND DRIVE		
299+58.90	1	
299+60.36	1	
ASPEN DRIVE		
499+59.08	1	
499+60.00	1	
FERNBROOK LANE		
699+52.62	1	
699+58.09	1	
TYSON DRIVE		
899+52.52	1	
899+62.08	1	



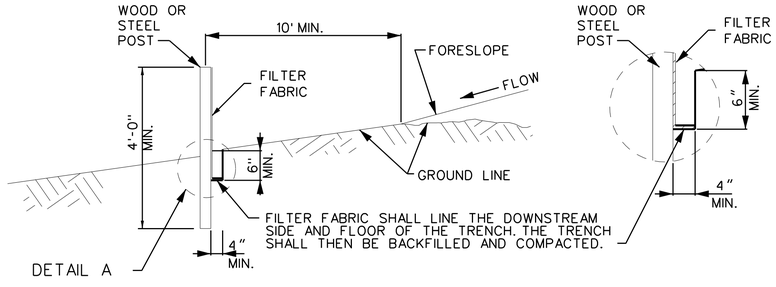
INLET PROTECTION DEVICE - SEDIMENT CONTROL LOG



PLAN VIEW



ELEVATION DETAIL
FABRIC SILT FENCE



TYPICAL B-B

DETAIL A

SILT FENCE DETAILS

COUNTY PROJECT NO. 2302483

FEDERAL PROJECT NO. STP-4901(650)

E-W GATEWAY TIP NO.

MSD:

MSD BASE MAP: 07J, 07K

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MULLANPHY ROAD RESURFACING

EROSION CONTROL SHEET (SHEET 1 OF 1)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 50 OF 97

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STRIPING LEGEND

- S.W. - SOLID WHITE
- I.Y. - INTERMITTENT YELLOW 10' STRIPE, 30' GAP
- D.S.Y. - DOUBLE SOLID YELLOW
- P.C. - PEDESTRIAN CROSSING 2' WIDTH X 10' LENGTH (SEE PLANS)
- STOP BAR - 2' WIDTH X VARIABLE LENGTH (SEE PLANS)

SCALE 0 20 40 60

(UIP) YIELD R1-2

COMMERCIAL SIGN (UIP)

COMMERCIAL SIGN (UIP)

COMMERCIAL SIGN (UIP)

METRO BUS SIGN (TBR)

COMMERCIAL SIGN (UIP)

105

MATCHLINE STA. 106+00.00

MULLANPHY RD. ℄

MULLANPHY ROAD

METRO BUS SIGN (TBR)

UTILITY MARKER (UIP)

(UIP) YIELD R1-2

GAS MARKER (UIP)

UTILITY MARKER (UIP)

NOTES:
1. LONGINTUDINAL PAVEMENT MARKINGS SHALL BE CLASS 1 PAVEMENT MARKING PAINT WITH TYPE P BEADS. INTERSECTION PAVEMENT MARKINGS SHALL BE PREFORMED THERMOPLASTIC MARKINGS.
2. ALL SIGNS MUST MEET THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2023 EDITION, FOR SIGN RETROREFLECTIVITY (MUTCD TABLE 2A-3) SIGNS MUST MEET ASTM MICROPRISMATIC SHEETING STANDARDS (ASTM TYPES IV, VII, VIII, X, OR IX).
3. SIGN POSTS SHALL MEET THE REQUIREMENTS OF THE MoDOT STANDARD DETAILS IN 903.03BG.
4. ALL SIGN POSTS SHALL BE U-CHANNEL POSTS
5. TBR&R INDICATES SIGN SHALL BE REMOVED AND REPLACED WITH A NEW SIGN ON A NEW POST. SIGN WILL BE PLACED IN THE SAME LOCATION AS EXISTING SIGN.

(UIP ON NEW POST) MULLANPHY RD. MULLAN DR.

(TBR&R) STOP R1-1

COMMERCIAL SIGN (UIP)

(TBR) STOP FOR PEDESTRIAN IN CROSSWALK

W11-2

W16-7P

110

MATCHLINE STA. 106+00.00

COMMERCIAL SIGN (UIP)

STA 106+91.74 OFF 14.00' LT.

STA 108+00.00 OFF 9.50' LT.

STA 108+09.87 (MULLANPHY RD. ℄)

MULLAN DRIVE

STA 108+69.65

STA 108+80.19 (MULLANPHY RD. ℄)

4" S.W.

10' WIDE P.C.

4" S.W.

MULLANPHY RD. ℄

MULLANPHY ROAD

±8'

7.5'

4'

±11.5'

4" D.S.Y.

4" I.Y.

MATCHLINE STA. 111+00.00

STA 106+52.05 (MULLANPHY RD. ℄)

STA 106+91.08 OFF 1.00' RT.

STA 106+96.74 (MULLANPHY RD. ℄)

UTILITY MARKER (UIP)

STA 107+70.81 (MULLANPHY RD. ℄)

STA 108+00.00 OFF 2.00' RT.

STA 108+15.05 (MULLANPHY RD. ℄)

STA 108+69.66 (MULLANPHY RD. ℄)

STA 108+79.65 OFF 7.50' LT.

STA 110+33.75 (MULLANPHY RD. ℄)

ASPEN DRIVE

(UIP) STOP R1-1

W11-2

AHEAD W16-9P

SPEED LIMIT 25 R2-1 (TBR&R)

Designated Double Fine Zone (UIP ON NEW POST)

(UIP ON NEW POST) NO TRUCK TRAFFIC EXCEPT FOR DELIVERY TO LOCAL RESIDENTS

(TBR) STOP FOR PEDESTRIAN IN CROSSWALK

LOUD MUSIC PROHIBITED (UIP ON NEW POST)

W11-2

W16-7P

(UIP ON NEW POST) Aspen Dr. Mullanphy Rd.

STOP R1-1 (TBR&R)

COUNTY PROJECT NO. 2302483

FEDERAL PROJECT NO. STP-4901(650)

E-W GATEWAY TIP NO.

MSD:

MSD BASE MAP: 07J, 07K

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S. Davis
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Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY: HRGreen
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

SIGNING & STRIPING SHEET (SHEET 1 OF 6)

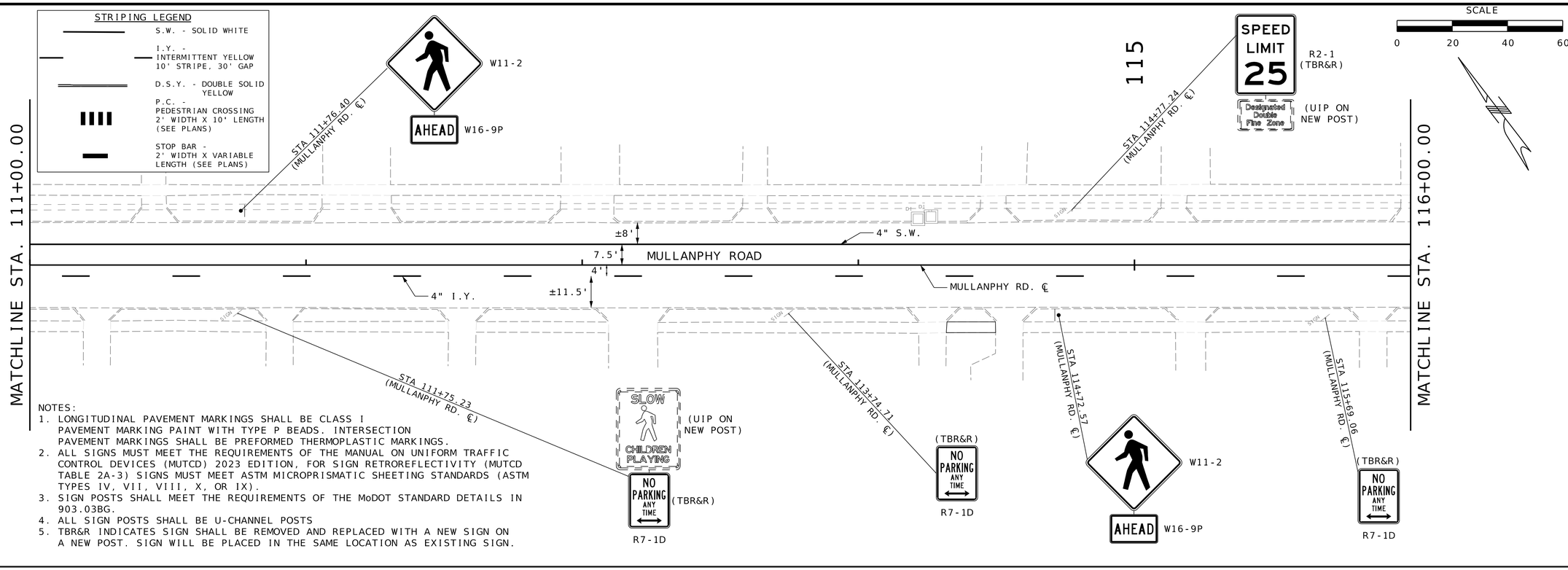
DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

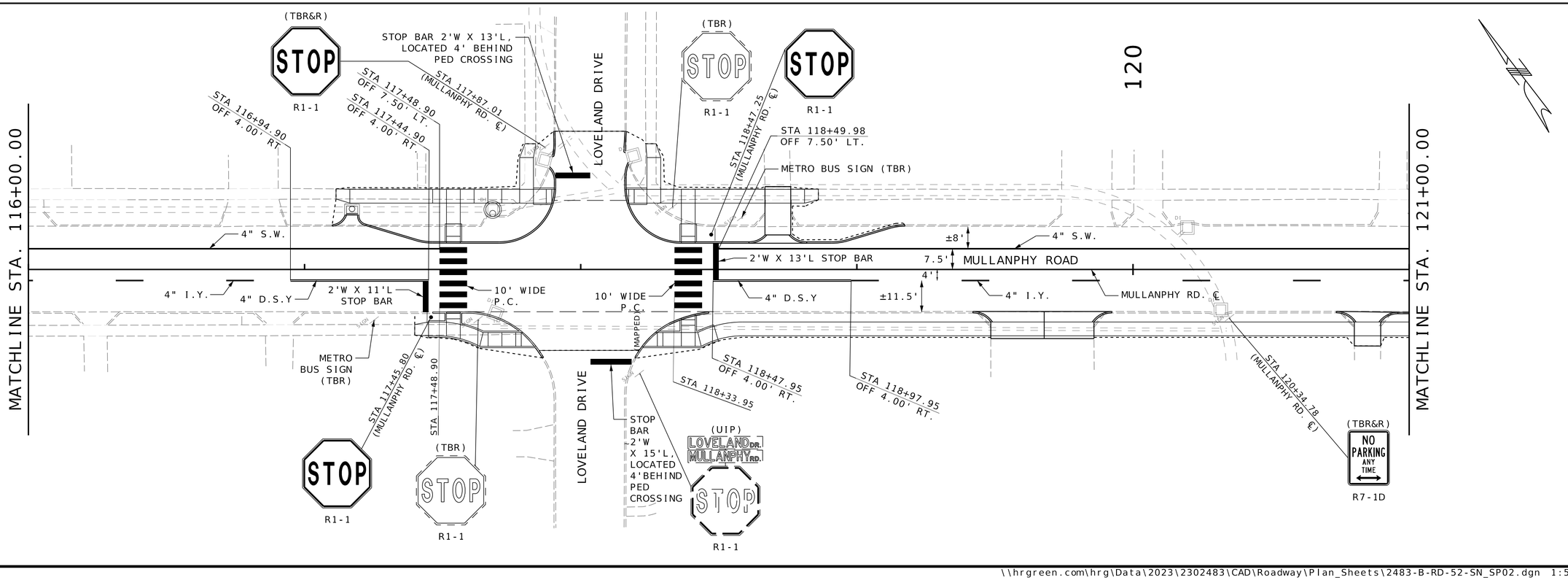
CHECKED: A. DAVIS

SHEET SEQUENCE: 51 OF 97

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NOTES:
1. LONGITUDINAL PAVEMENT MARKINGS SHALL BE CLASS I PAVEMENT MARKING PAINT WITH TYPE P BEADS. INTERSECTION PAVEMENT MARKINGS SHALL BE PREFORMED THERMOPLASTIC MARKINGS.
2. ALL SIGNS MUST MEET THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2023 EDITION, FOR SIGN RETROREFLECTIVITY (MUTCD TABLE 2A-3) SIGNS MUST MEET ASTM MICROPRISMATIC SHEETING STANDARDS (ASTM TYPES IV, VII, VIII, X, OR IX).
3. SIGN POSTS SHALL MEET THE REQUIREMENTS OF THE MoDOT STANDARD DETAILS IN 903.03BG.
4. ALL SIGN POSTS SHALL BE U-CHANNEL POSTS
5. TBR&R INDICATES SIGN SHALL BE REMOVED AND REPLACED WITH A NEW SIGN ON A NEW POST. SIGN WILL BE PLACED IN THE SAME LOCATION AS EXISTING SIGN.



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

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Andrea S. Davis - Civil
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DATE: 4/21/2026

PREPARED BY: HRGreen
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO.
MSD:
MSD BASE MAP: 07J, 07K

MULLANPHY ROAD RESURFACING
SIGNING & STRIPING SHEET (SHEET 2 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 52 OF 97

STRIPING LEGEND

- S.W. - SOLID WHITE
- I.Y. - INTERMITTENT YELLOW 10' STRIPE, 30' GAP
- D.S.Y. - DOUBLE SOLID YELLOW
- P.C. - PEDESTRIAN CROSSING 2' WIDTH X 10' LENGTH (SEE PLANS)
- STOP BAR - 2' WIDTH X VARIABLE LENGTH (SEE PLANS)

SCALE
0 20 40 60

MATCHLINE STA. 121+00.00

W11-2
AHEAD W16-9P
STA 121+36.11 (MULLANPHY RD. ℄)
125
MATCHLINE STA. 126+00.00
±8'
4" S.W.
MULLANPHY ROAD
7.5'
4'
±11.5'
MULLANPHY RD. ℄
4" I.Y.
STA 123+02.06 (MULLANPHY RD. ℄)
(TBR)
NO PARKING ANY TIME
R7-1D
NO PARKING ANY TIME
R7-1D
STA 124+18.56 (MULLANPHY RD. ℄)
W11-2
AHEAD W16-9P

NOTES:
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MATCHLINE STA. 126+00.00

W11-2
W16-7P
METRO BUS STOP (TBR)
STA 126+60.13
STA 126+70.49 (MULLANPHY RD. ℄)
SPEED LIMIT 25
R2-1 (TBR&R)
Designated Double Fine Zone
(UIP ON NEW POST)
STA 128+03.55 (MULLANPHY RD. ℄)
130
W11-2
AHEAD W16-9P
STA 129+69.07 (MULLANPHY RD. ℄)
MATCHLINE STA. 131+00.00
MULLANPHY ROAD
±8'
4" S.W.
7.5'
4'
10' WIDE P.C.
4" I.Y.
±11.5'
MULLANPHY RD. ℄
METRO BUS STOP (TBR)
STA 126+60.20 (MULLANPHY RD. ℄)
(TBR)
STOP FOR PEDESTRIAN IN CROSSWALK
GREELEY DRIVE
(UIP)
Mullanphy Rd.
Greeley Dr.
STOP
R1-1
STA 128+47.78 (MULLANPHY RD. ℄)
STA 128+76.18 (MULLANPHY RD. ℄)
(TBR&R)
NO PARKING ANY TIME
R7-1D
W11-2
AHEAD W16-9P
W11-2
W16-7P

COUNTY PROJECT NO.
2302483
FEDERAL PROJECT NO.
STP-4901(650)
E-W GATEWAY TIP NO.
MSD:
MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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04/21/2026 4:13:31 PM
Andrea S. Davis - Civil
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DATE: 4/21/2026

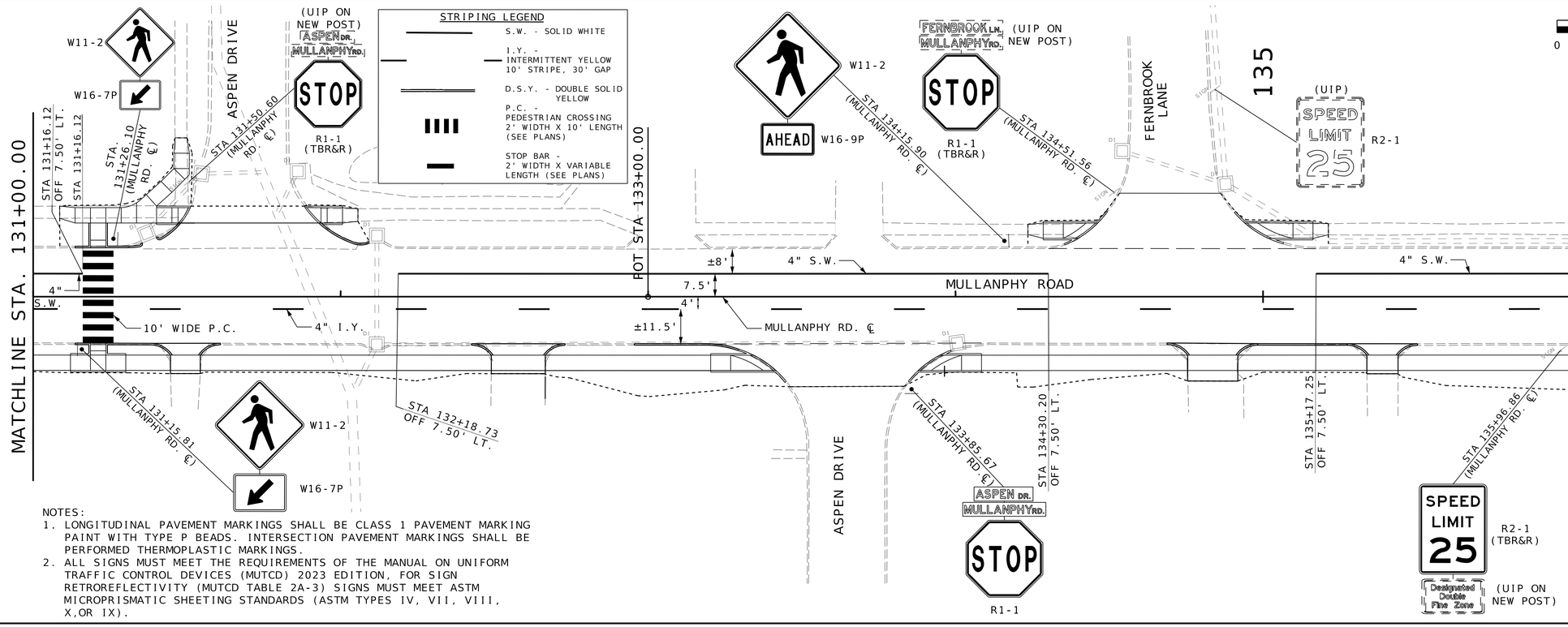
PREPARED BY:
HRGreen
130 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
(314) 432-0550 www.hrgreen.com
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Fleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

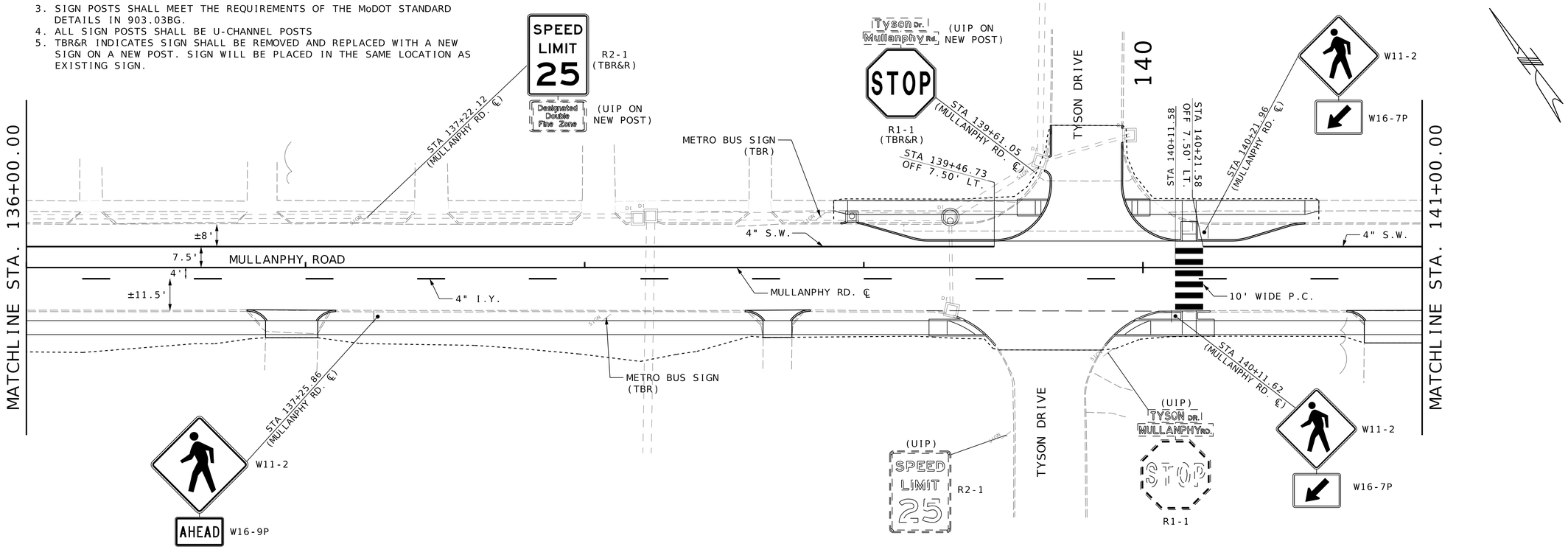
SIGNING & STRIPING SHEET (SHEET 3 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 53 OF 97



NOTES:

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COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO.
MSD:
MSD BASE MAP: 07J, 07K

REVISIONS			
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STATE OF MISSOURI — ANDREA S. DAVIS PE-2018021250 — PROFESSIONAL ENGINEER

Andrea S. Davis
04/21/2026 4:13:35 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

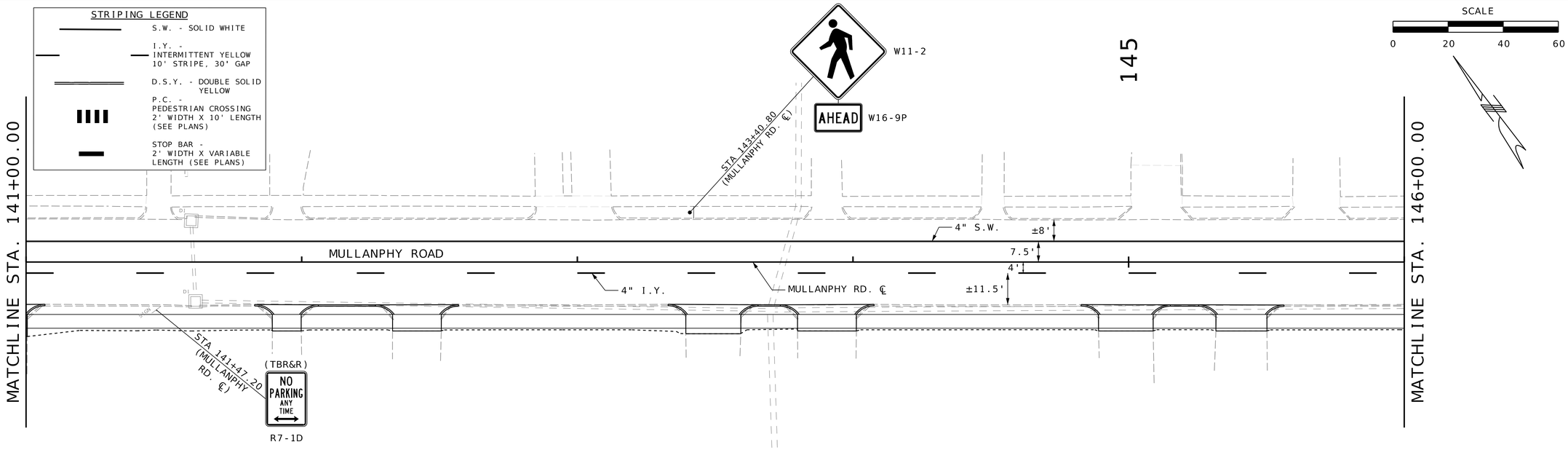
PREPARED BY: HRGreen — 120 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141 — ANDREA S. DAVIS, PROFESSIONAL ENGINEER, LICENSE NO. 2018021250

St. Ferdinand de Fleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

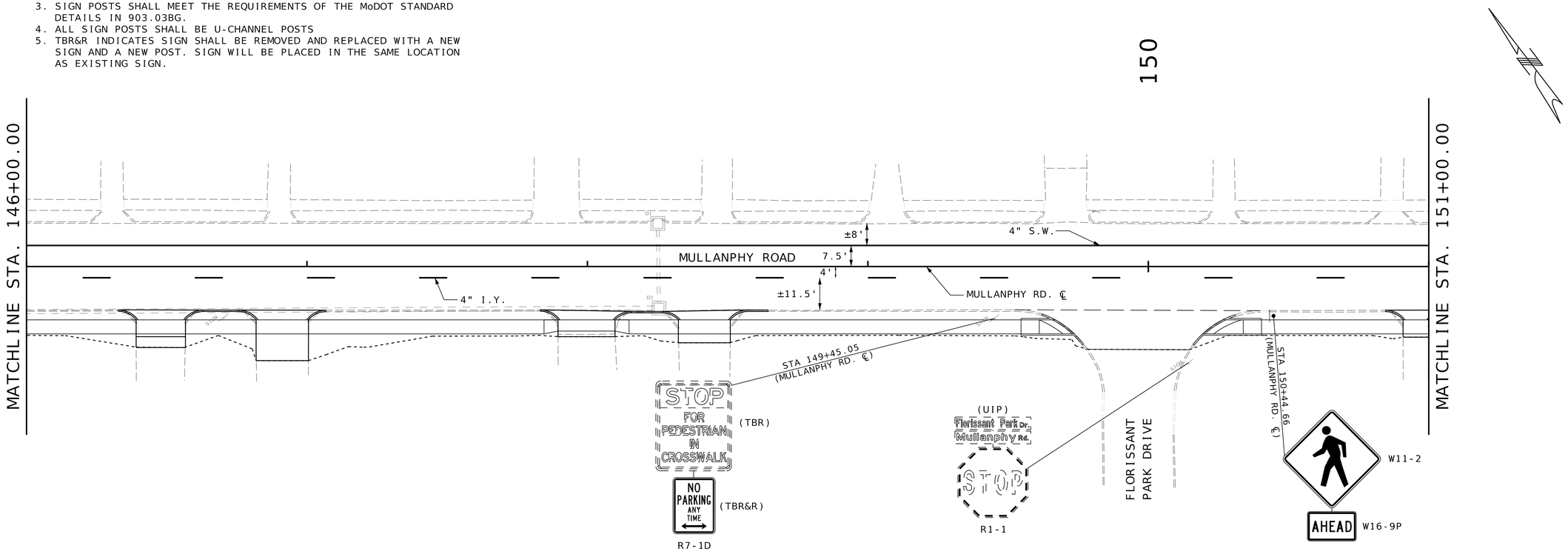
SIGNING & STRIPING SHEET (SHEET 4 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 54 OF 97



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COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO.
MSD:
MSD BASE MAP: 07J, 07K

REVISIONS

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Andrea S. Davis - Civil
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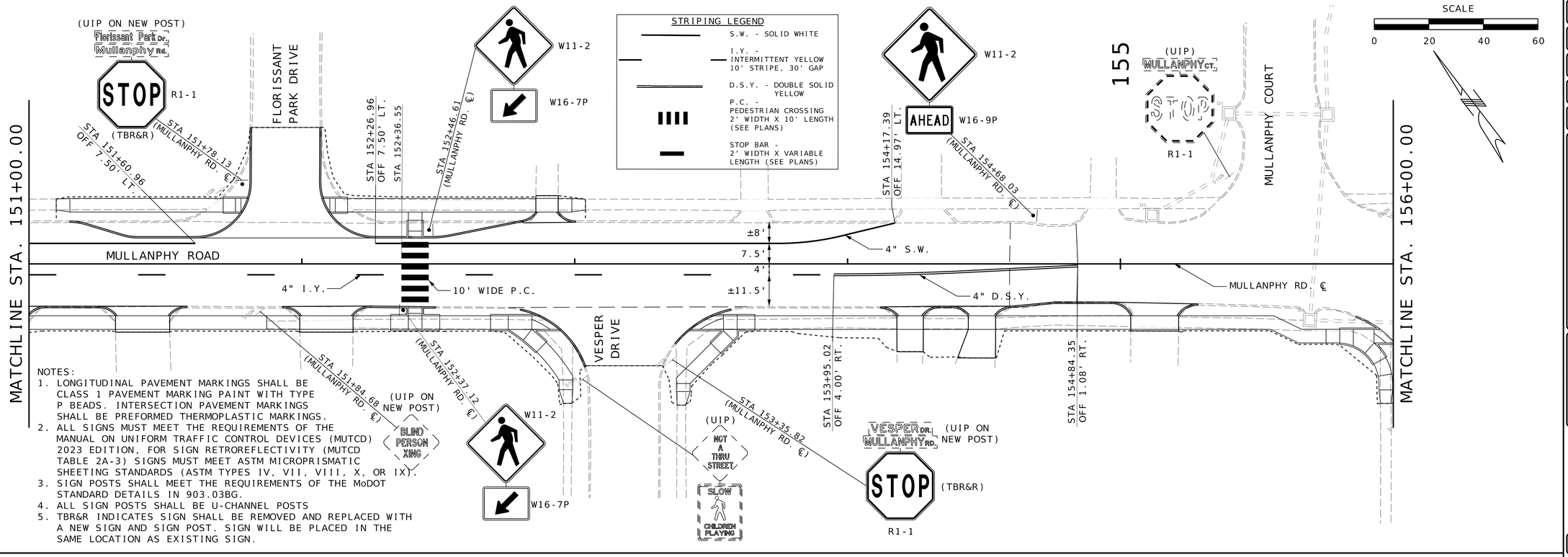
DATE: 4/21/2026

PREPARED BY:
HRGreen
130 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
(314) 432-0550 www.hrgreen.com
ANDREA S. DAVIS
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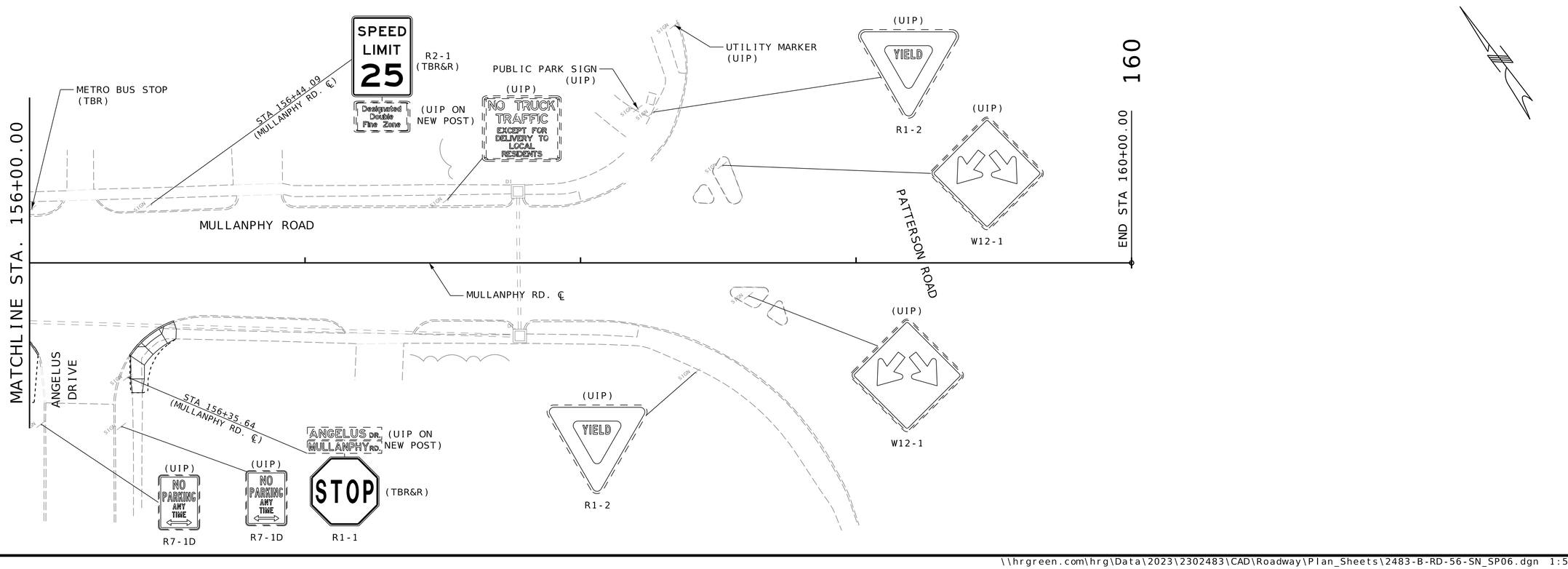
MULLANPHY ROAD RESURFACING

SIGNING & STRIPING SHEET (SHEET 5 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 55 OF 97



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COUNTY PROJECT NO. 2302483
FEDERAL PROJECT NO. STP-4901(650)
E-W GATEWAY TIP NO.
MSD:
MSD BASE MAP: 07J, 07K

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(314) 432-0550 www.hrgreen.com
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

SIGNING & STRIPING SHEET (SHEET 6 OF 6)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 56 OF 97

CONTRACTOR'S INSURANCE (OFFSITE):
PRIOR TO OBTAINING A CONSTRUCTION PERMIT FROM THE METROPOLITAN ST. LOUIS SEWER DISTRICT, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE THE DISTRICT WITH A COPY OF AN EXECUTED CERTIFICATE OF INSURANCE INDICATING THAT THE PERMITTEE HAS OBTAINED AND WILL CONTINUE TO CARRY COMMERCIAL GENERAL LIABILITY AND COMPREHENSIVE AUTO LIABILITY INSURANCE. THE REQUIREMENTS AND LIMITS SHALL BE AS STATED IN THE RULES AND REGULATIONS AND ENGINEERING DESIGN REQUIREMENTS FOR SANITARY AND STORMWATER DRAINAGE FACILITIES, SECTION 10.080.

DETAIL DRAWINGS:
THE DETAIL DRAWINGS SHOWN HERE ARE ONLY FOR PRIVATE CONSTRUCTION THAT IS NOT UNDER MSD PERMITS. REFER TO MSD STANDARD CONSTRUCTION SPECIFICATIONS AND STANDARD DETAILS FOR PUBLIC SEWER CONSTRUCTION OR PRIVATE CONSTRUCTION UNDER MSD PERMITS.

EXISTING CONNECTIONS:
EXISTING WATER AND SANITARY CONNECTIONS WILL NOT BE MODIFIED WITH THIS WORK.

LIMITS OF DISTURBANCE:
THE CONTRACTOR SHALL STAY WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS AND MINIMIZE DISTURBANCE WITHIN THE WORK AREA WHEREVER POSSIBLE.

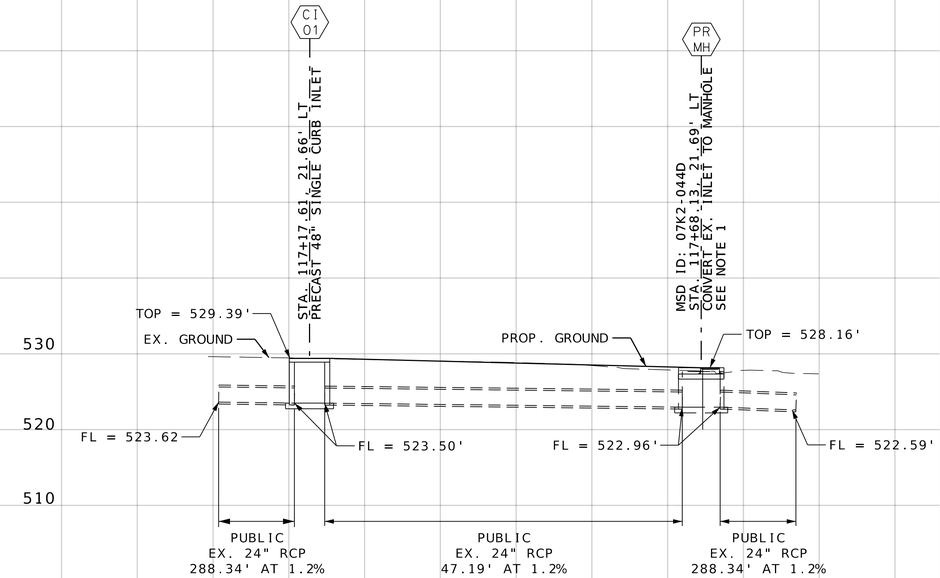
PREVAILING WAGE NOTE:
NOTICE TO CONTRACTOR: THIS PROJECT INCLUDES CONSTRUCTION OF GREEN INFRASTRUCTURE OR RELOCATION, ALTERATION, OR RECONSTRUCTION OF EXISTING MSD FACILITIES. IN ACCORDANCE WITH THE MSD GREEN INFRASTRUCTURE PROGRAM AND MSD RESOLUTION 3263, THE DISTRICT REQUIRES THE WAGE RATE TO BE AT LEAST EQUAL TO THE MISSOURI PREVAILING WAGE RATE AT THE TIME OF CONSTRUCTION START. AN AFFIDAVIT CERTIFYING THAT THE MISSOURI PREVAILING WAGE RATE AT THE TIME OF CONSTRUCTION START HAS BEEN PAID FOR ALL WORK RELATED TO GREEN INFRASTRUCTURE OR RELOCATION, RELOCATION, ALTERATION, OR RECONSTRUCTION OF EXISTING MSD FACILITIES IS REQUIRED PRIOR TO MSD CONSTRUCTION APPROVAL OF THIS PROJECT.

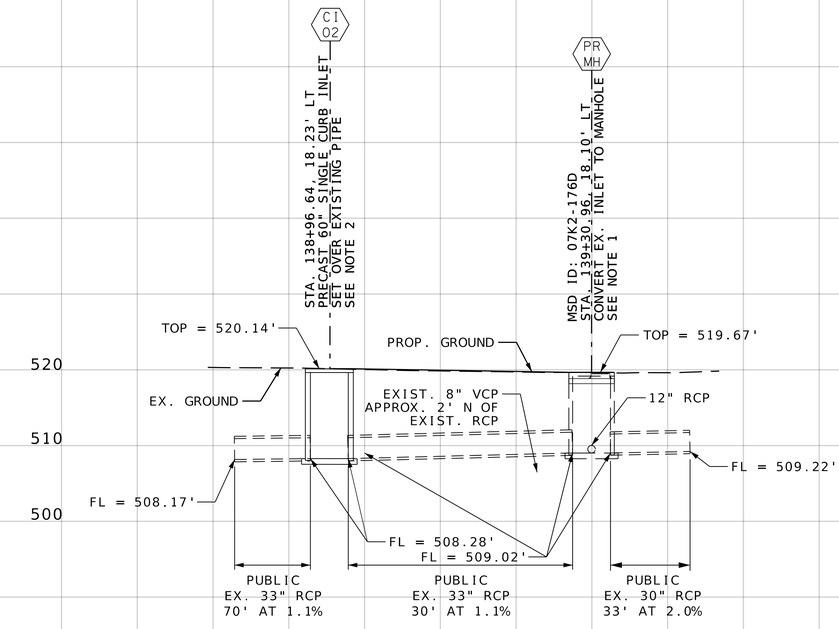
PUBLIC SEWER MAINTENANCE:
MAINTENANCE OF THE SEWERS DESIGNATED "PUBLIC" SHALL BE THE RESPONSIBILITY OF THE METROPOLITAN ST. LOUIS SEWER DISTRICT UPON DEDICATION OF THE SEWERS TO THE DISTRICT.

REMOVE REPLACE OR REHAB NOTE:
THE REMOVAL, REPLACEMENT, OR REHABILITATION OF THE EXISTING STRUCTURE WILL BE DETERMINED BY THE MSD FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE, THEN THE TOP SHALL BE ADJUSTED TO GRADE, IF NEEDED.

STANDARD CONSTRUCTION 2023 VERSION:
ALL STORM AND SANITARY SEWER STRUCTURES AND APPURTENANCES TO BE DEDICATED TO MSD, OR TO BE PRIVATE UNDER MSD INSPECTION, SHALL CONFORM TO THE METROPOLITAN ST. LOUIS SEWER DISTRICT, STANDARD CONSTRUCTION SPECIFICATIONS FOR SEWERS AND DRAINAGE FACILITIES, 2023. THAT WILL INCLUDE STANDARD DETAILS SHOWN THEREIN, ALL SUBSEQUENT CHANGES MADE THERETO, AND SHALL ALSO INCLUDE THE FOLLOWING:

PART 2 - MATERIALS OF CONSTRUCTION
SECTION G PIPE.
12. CORRUGATED POLYPROPYLENE PIPE.
D. PIPE FOR GRAVITY SEWER INSTALLATIONS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321. CONSOLIDATION BY WATER (JETTING OR PUDDLING) SHALL NOT BE USED. CONSOLIDATION SHALL BE IN ACCORDANCE WITH MSD STANDARD CONSTRUCTION SPECIFICATIONS FOR TRENCH BACKFILL. PRICE FOR COMPACTED BACKFILL SHALL BE INCLUDED IN PIPE UNIT COST.
1. FOR USE IN SANITARY AND COMBINED SEWER INSTALLATIONS, A REPRESENTATIVE FROM THE PIPE MANUFACTURER SHALL VISIT THE SITE WITHIN THE FIRST 100 FEET OF PIPE INSTALLATION. COORDINATION OF THIS SITE VISIT SHALL BE ARRANGED BY THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE THE MSD INSPECTOR AT LEAST 24 HOURS' NOTICE OF THE PLANNED DATE AND TIME OF THE MANUFACTURER'S SITE VISIT.
2. FOLLOWING THE SITE VISIT, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A LETTER FROM THE PIPING MANUFACTURER SUMMARIZING THEIR OBSERVATIONS. AT A MINIMUM, THE LETTER SHALL:
A) INDICATE THE DATE THE INITIAL SECTION OF PIPE WAS INSTALLED; AND
B) VERIFY THAT THE INSTALLATION OCCURRED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED PROCEDURES.
E. TRENCH WIDTH SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION RECOMMENDATIONS. DISTRICT STANDARD PAYLINE WIDTHS BASED ON THE NOMINAL INSIDE PIPE DIAMETER SHALL APPLY.





(1) THE REMOVAL AND REPLACEMENT, OR REHABILITATION OF THE EXISTING STRUCTURE WILL BE DETERMINED BY THE MSD FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE, THEN THE TOP SHALL BE ADJUSTED TO GRADE, IF NEEDED.

(2) DETAIL FOR PRECAST INLET ON EXISTING PIPE CAN BE FOUND ON DETAIL SHEET 18 IN MSD'S 2023 STANDARD CONSTRUCTION SPECIFICATIONS.

10'

COUNTY PROJECT NO.
2302483
FEDERAL PROJECT NO.
STP-4901(650)
E-W GATEWAY TIP NO.
MSD:
MSD BASE MAP:
07J, 07K

REVISIONS

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Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
HRGreen.com
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

PIPE PROFILE SHEET (SHEET 1 OF 1)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 57 OF 97
BRIDGE SHEET NO.: OF
REV.

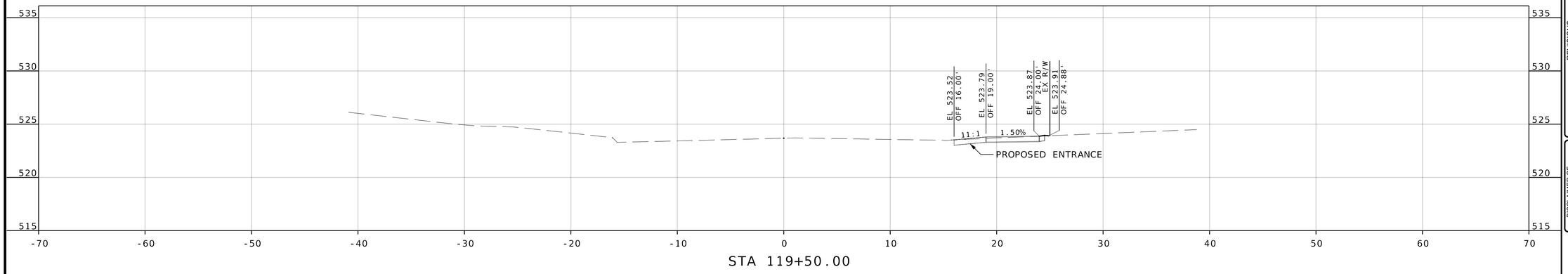
4/21/2026 1:56:29 PM \\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-57-PipeProfile.dgn

NOTE:

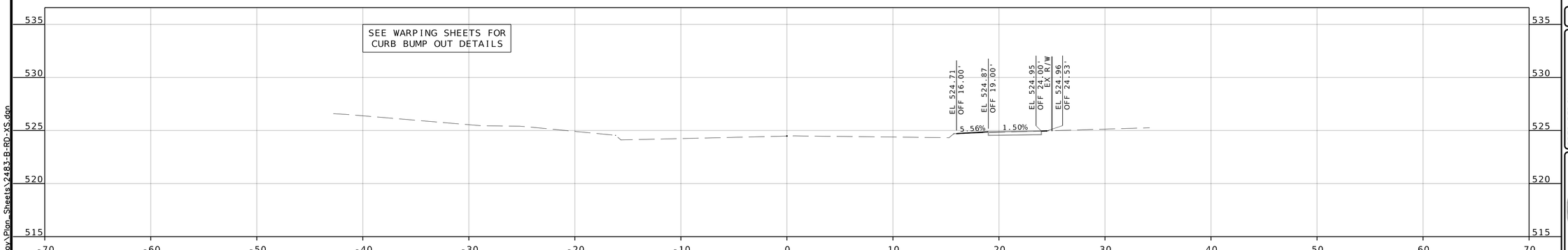
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

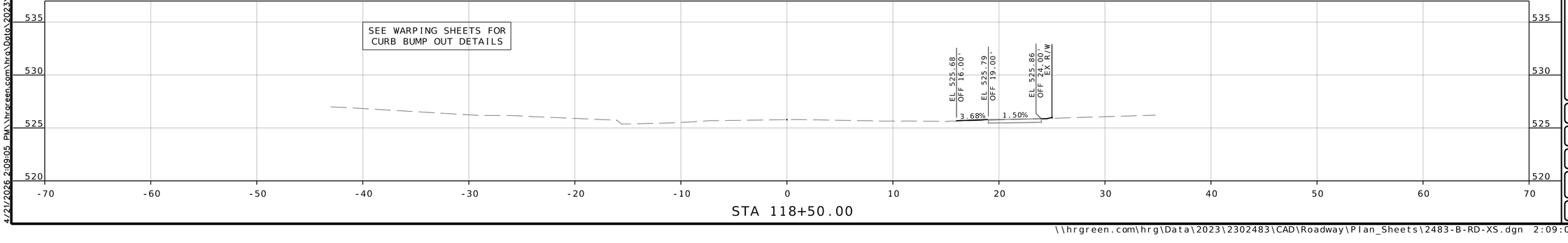
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STA 119+50.00



STA 119+00.00



STA 118+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

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ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S. Davis
04/21/2026 4:13:46 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
(314) 432-0550 | WWW.HRGREEN.COM

PROFESSIONAL ENGINEER
LICENSE NO.

St. Ferdinand de Pleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 1 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 58 OF 97

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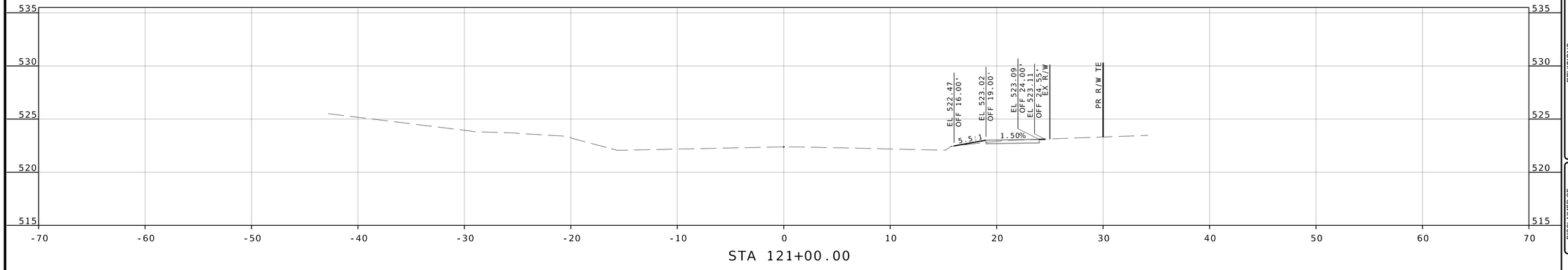
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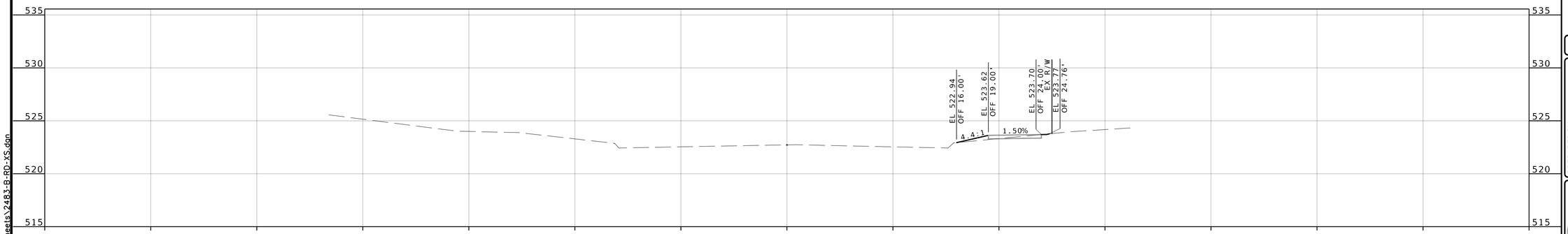
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

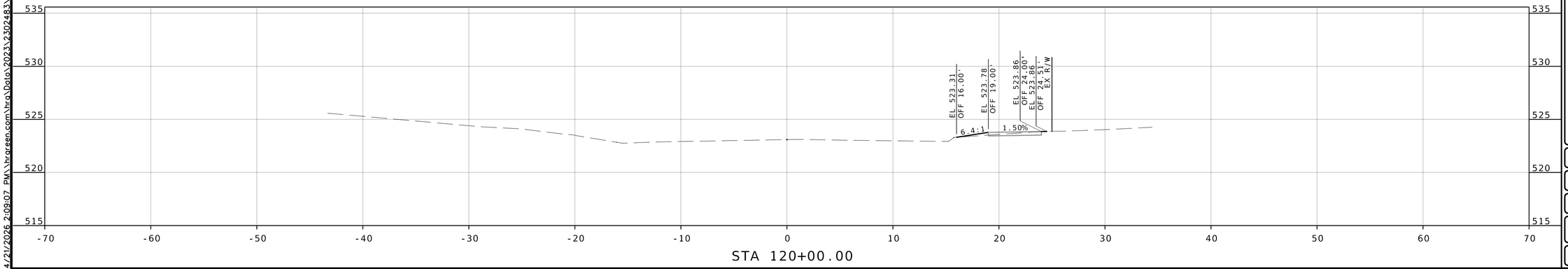
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STA 121+00.00



STA 120+50.00



STA 120+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS			
REV	DATE	BY	APP'D

DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I have prepared the documents intended to be authorized by my seal are limited to the work, and I hereby disclaim any responsibility for all other Documents, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:13:49 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
120 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: (314) 579-0900 FAX: (314) 579-0909

PROFESSIONAL ENGINEER LICENSE NO.

St. Ferdinand de Fleuriesant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 2 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 59 OF 97

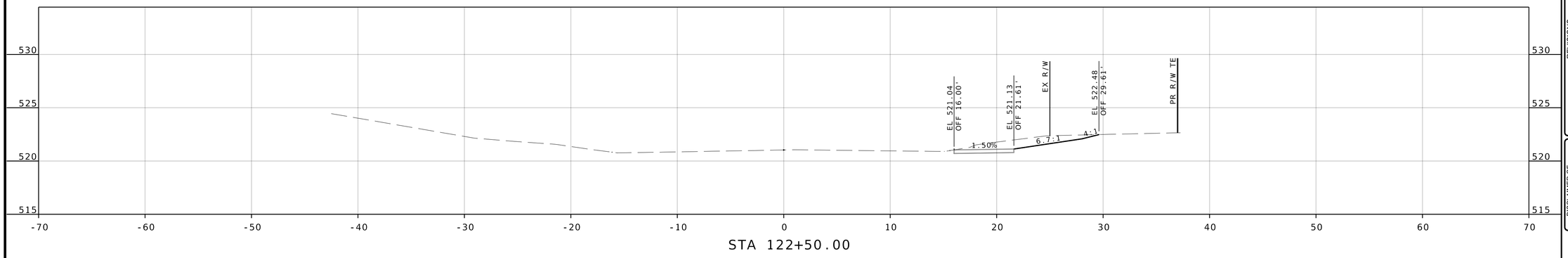
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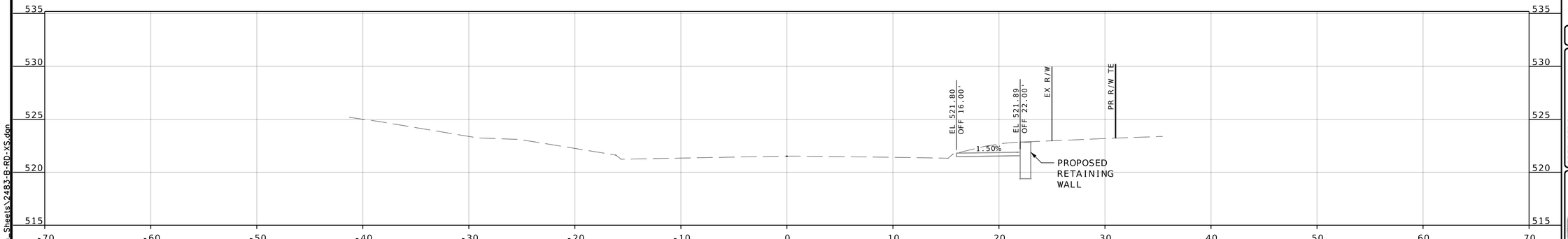
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

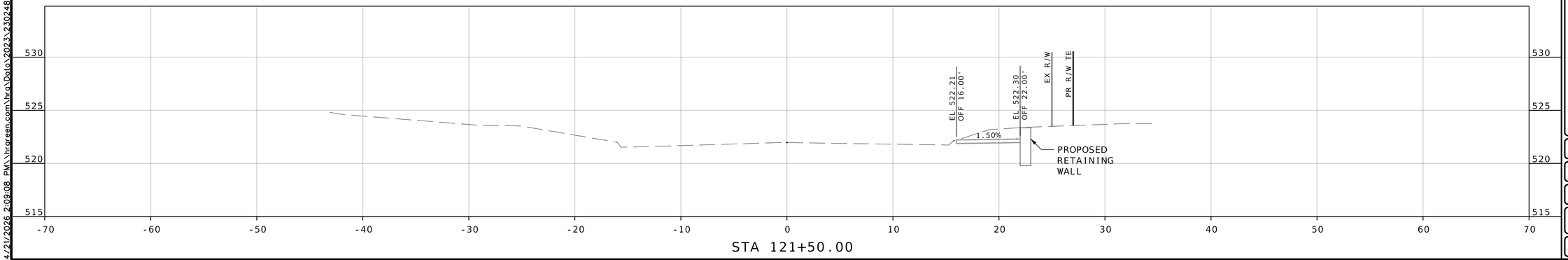
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STA 122+50.00



STA 122+00.00



STA 121+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:04 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
120 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: (314) 432-0550 WWW.HRGREEN.COM

PROFESSIONAL ENGINEER
LICENSE NO.

St. Ferdinand de Fleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 3 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 60 OF 97

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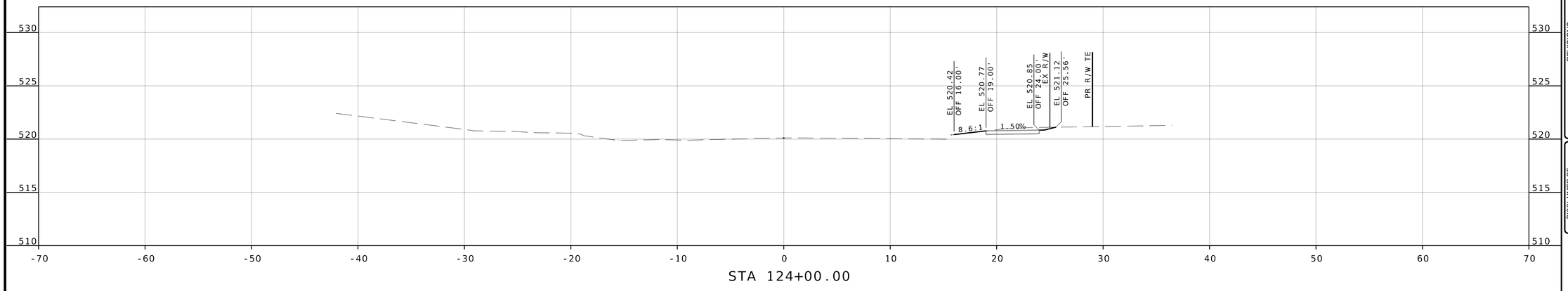
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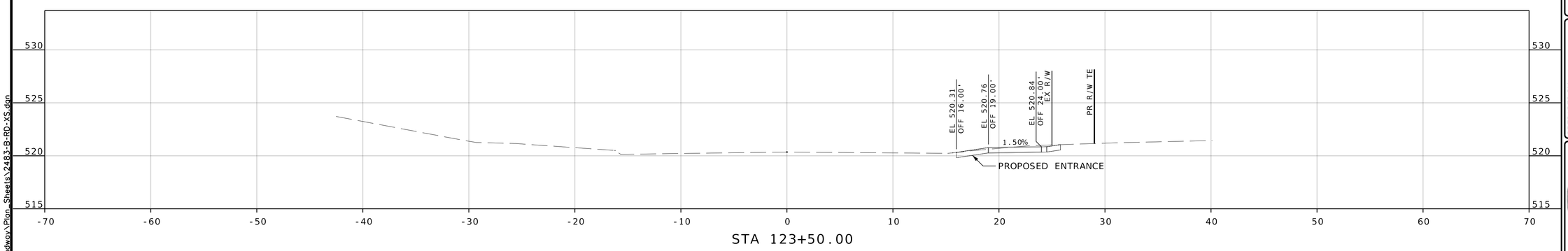
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

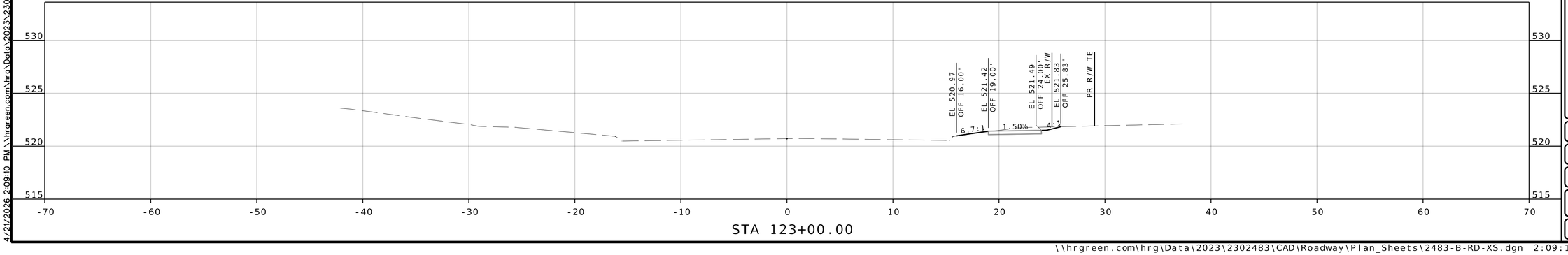
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STA 124+00.00



STA 123+50.00



STA 123+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:09 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
520 MAGNOLIA, JEFFERSON CITY, MO 65101 (573) 635-2748
HRGreen.com | ENGINEERING | SURVEYING | ARCHITECTURE

PROFESSIONAL ENGINEER LICENSE NO.

St. Ferdinand de Pleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 4 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 61 OF 97

4/21/2026 2:09:10 PM \\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-XS.dgn

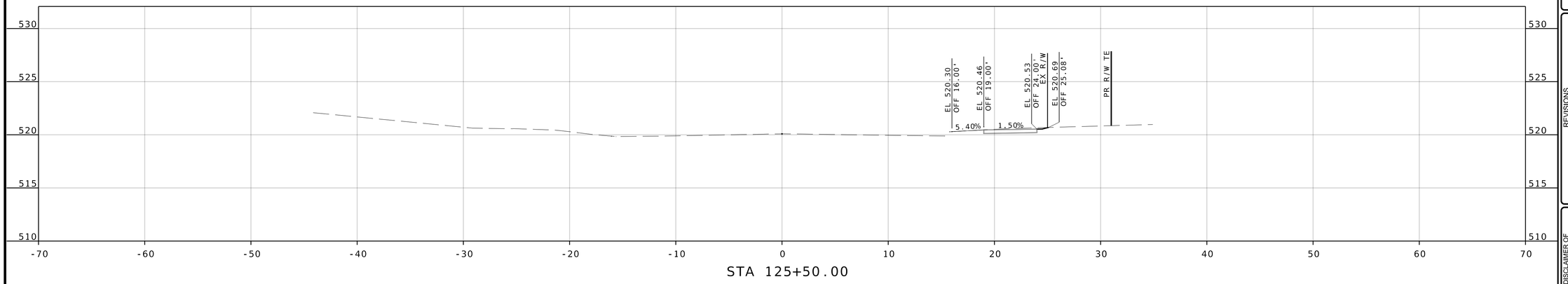
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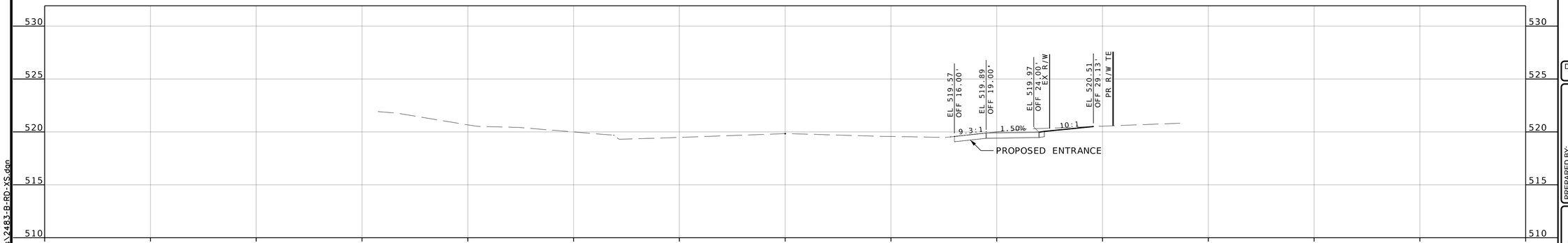
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

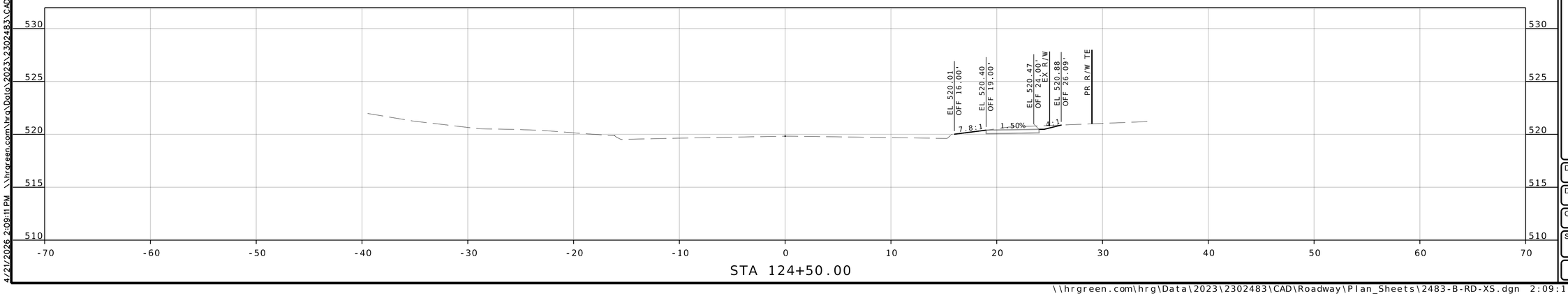
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STA 125+50.00



STA 125+00.00



STA 124+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:12 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
HRGreen®
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
(314) 432-0550 | WWW.HRGREEN.COM

PROFESSIONAL ENGINEER LICENSE NO.

Fertility de Pleurisant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 5 OF 26)

DESIGNED:
M. SCHNEIDER

DRAWN:
M. SCHNEIDER

CHECKED:
A. DAVIS

SHEET SEQUENCE:
62 OF 97

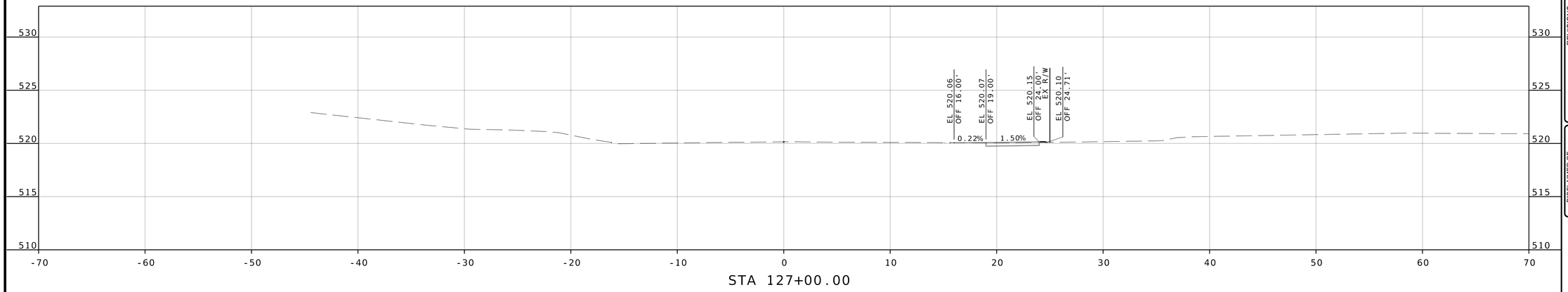
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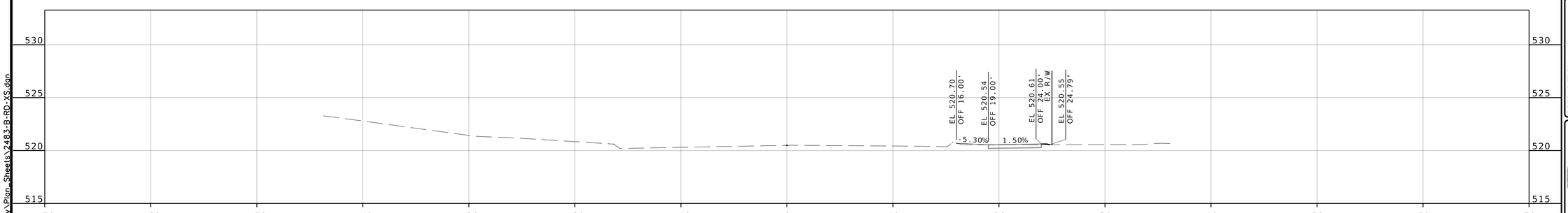
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

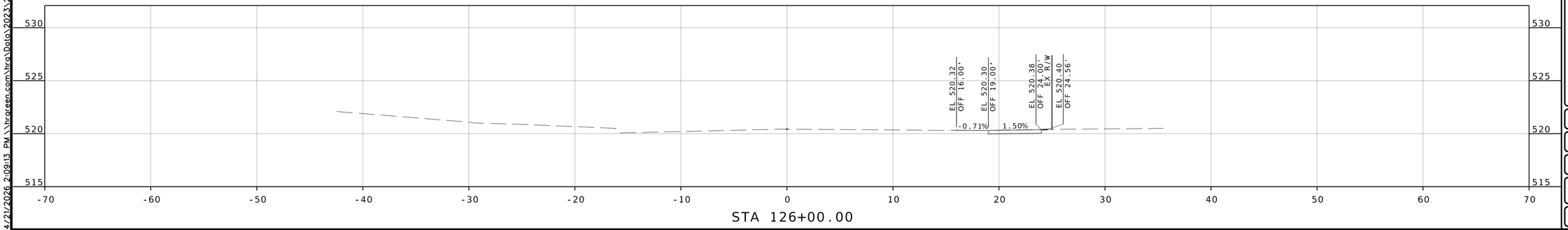
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STA 127+00.00



STA 126+50.00



STA 126+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:14 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
120 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PROFESSIONAL ENGINEER LICENSE NO.

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 6 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 63 OF 97

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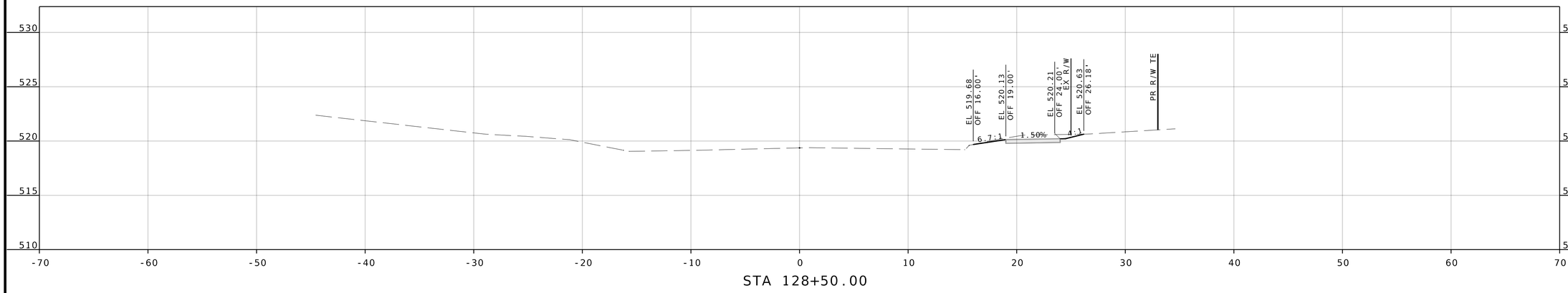
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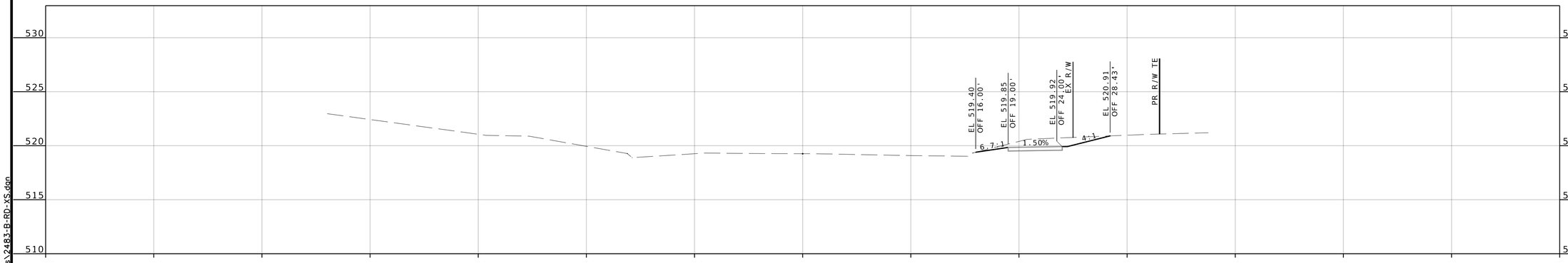
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

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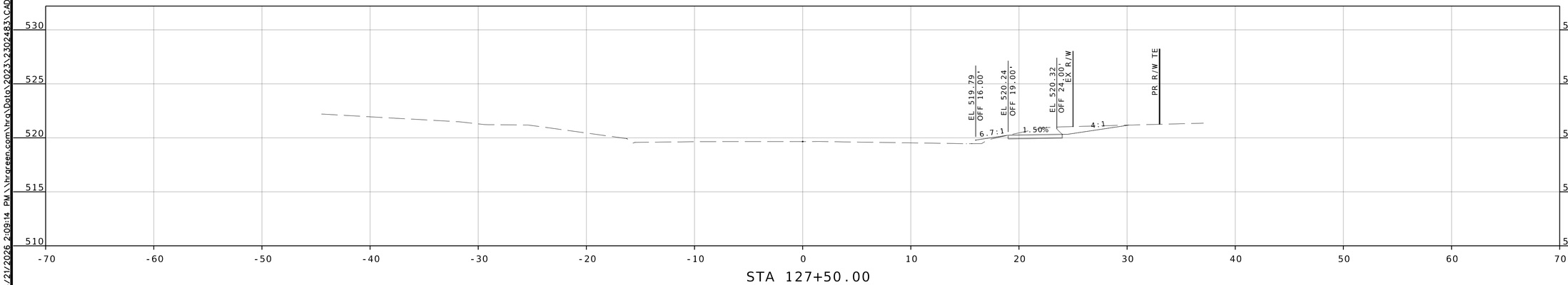
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STA 128+50.00



STA 128+00.00



STA 127+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS				
REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:17 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
HRGreen.com
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
(314) 432-0550 FAX (314) 432-0551
PROFESSIONAL ENGINEER LICENSE NO.

Ste. Geneviève
Ste. Ferdinand de Pleurissant
1796
City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 7 OF 26)

DESIGNED:
M. SCHNEIDER

DRAWN:
M. SCHNEIDER

CHECKED:
A. DAVIS

SHEET SEQUENCE:
64 OF 97

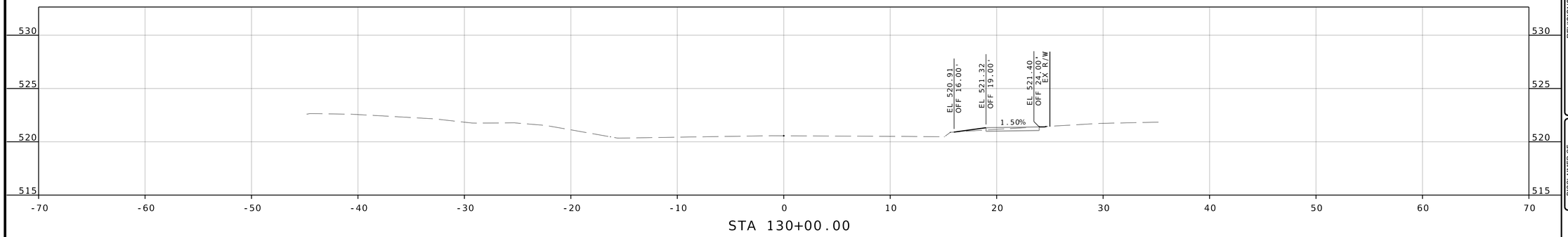
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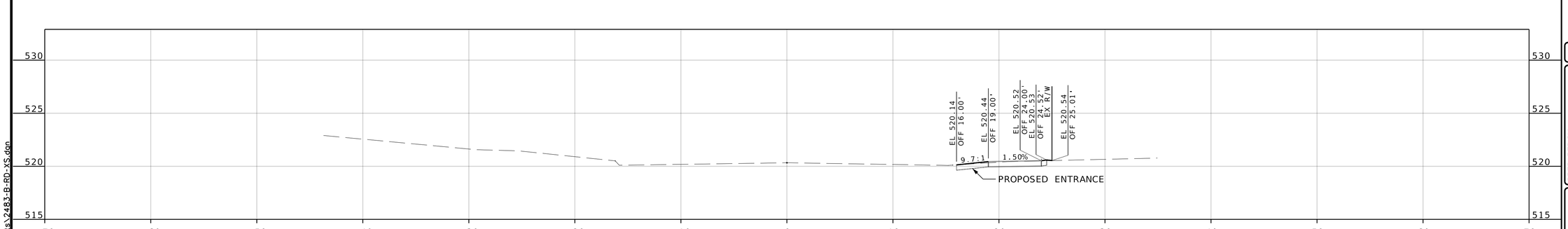
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

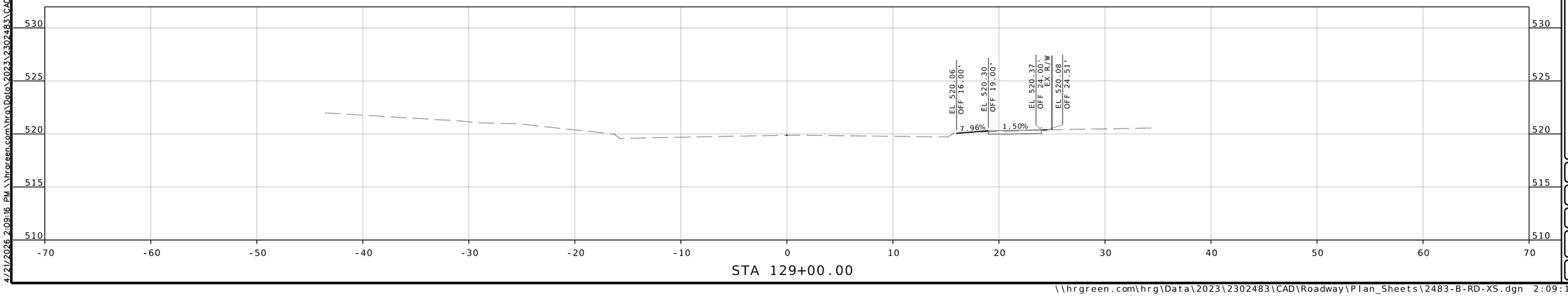
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STA 130+00.00



STA 129+50.00



STA 129+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S. Davis
04/21/2026 4:14:19 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
HRGreen.com
501 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
(314) 432-0550 FAX: (314) 432-0551

PROFESSIONAL ENGINEER LICENSE NO.

Ste. Geneviève
Ste. Ferdinand de Fleurissant
1796
City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 8 OF 26)

DESIGNED:
M. SCHNEIDER

DRAWN:
M. SCHNEIDER

CHECKED:
A. DAVIS

SHEET SEQUENCE:
65 OF 97

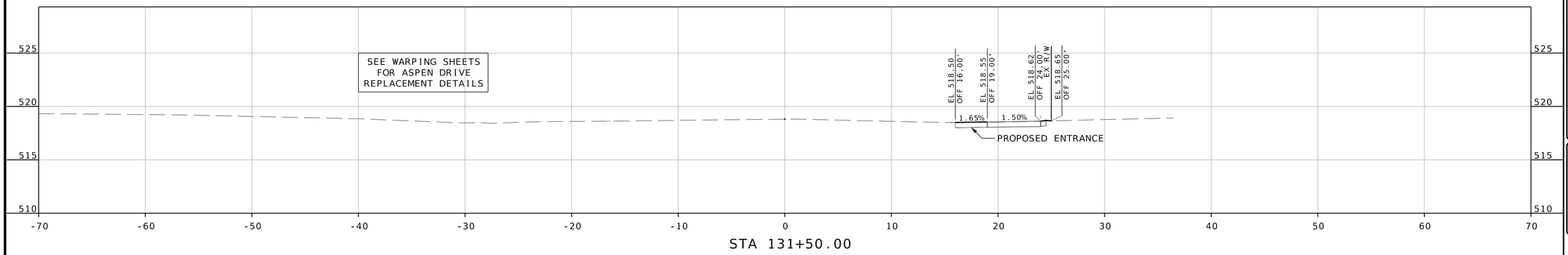
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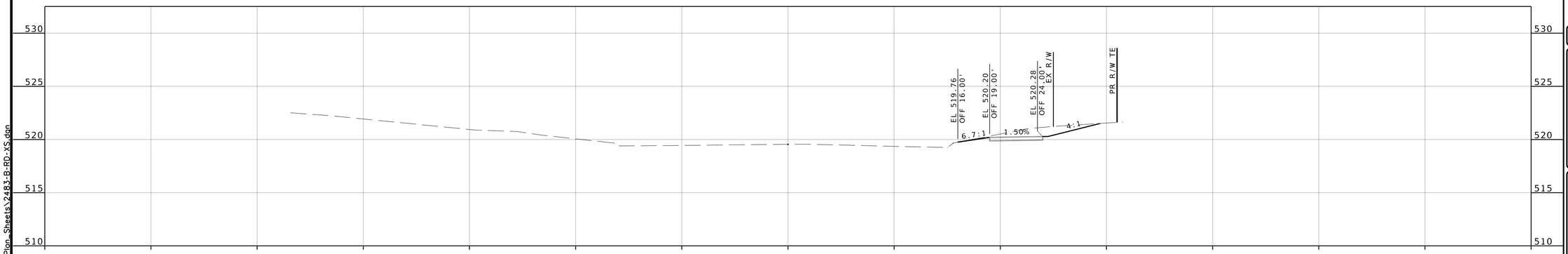
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

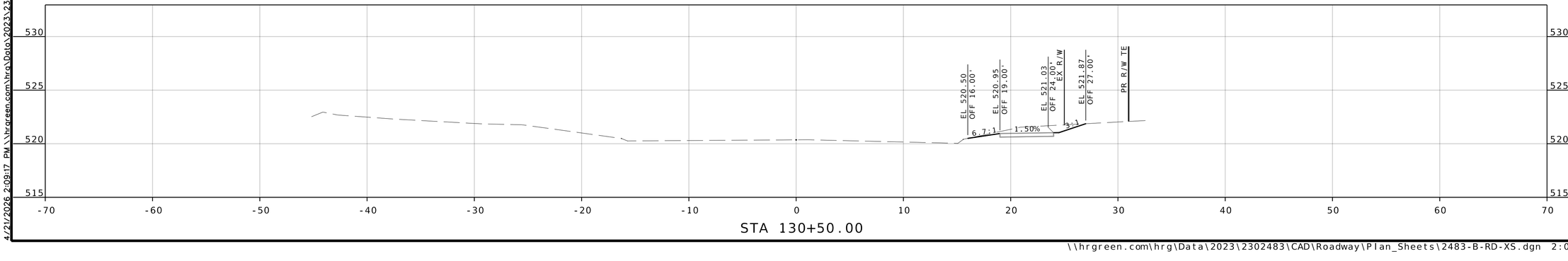
0 5 10 15



STA 131+50.00



STA 131+00.00



STA 130+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:22 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
120 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314-432-0550 WWW.HRGREEN.COM

PROFESSIONAL ENGINEER LICENSE NO.

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 9 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 66 OF 97

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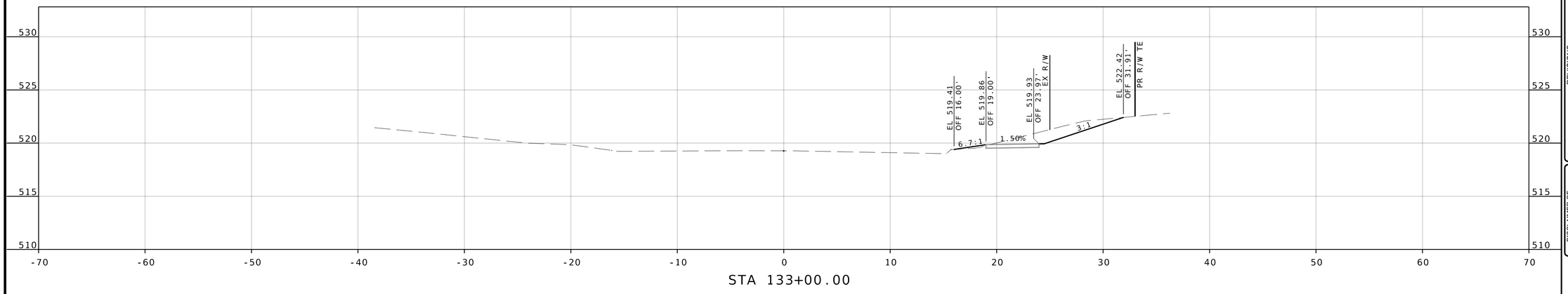
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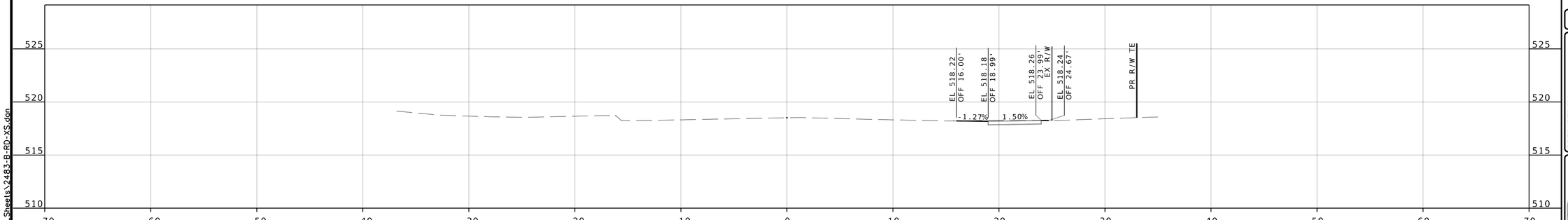
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

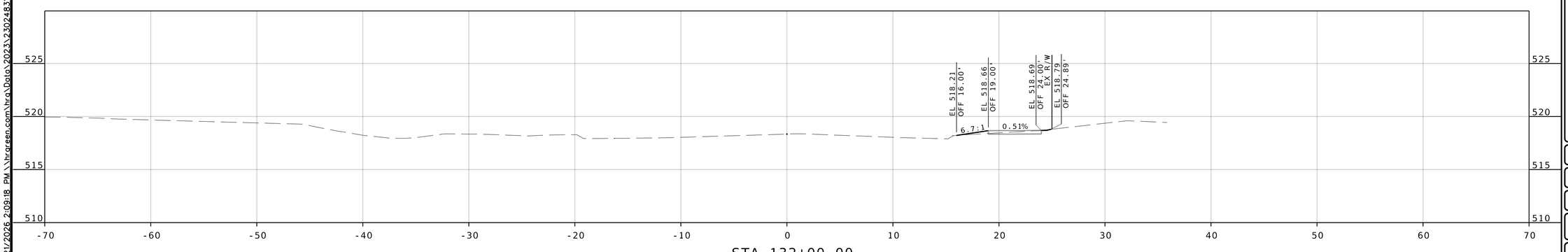
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STA 133+00.00



STA 132+50.00



STA 132+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to the shed, and I hereby disclaim any responsibility for all other Documents, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:24 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
130 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.579.0900 FAX: 314.579.0909

PROFESSIONAL ENGINEER LICENSE NO.

St. Ferdinand de Florissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 10 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 67 OF 97

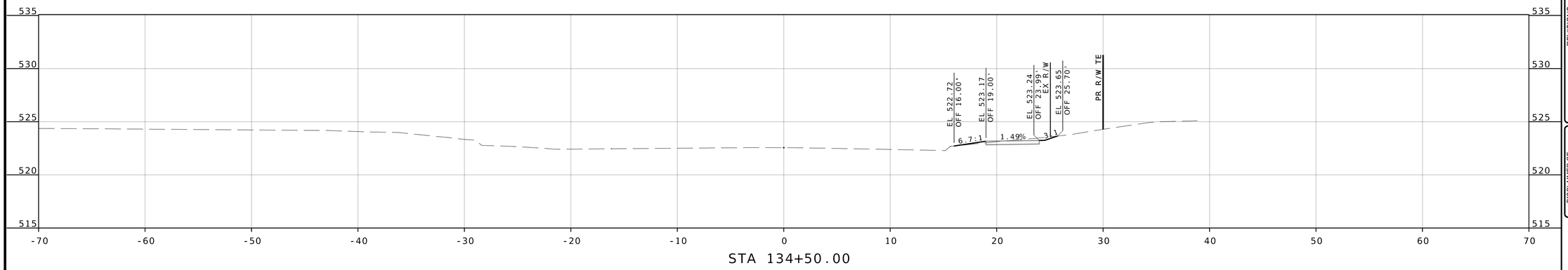
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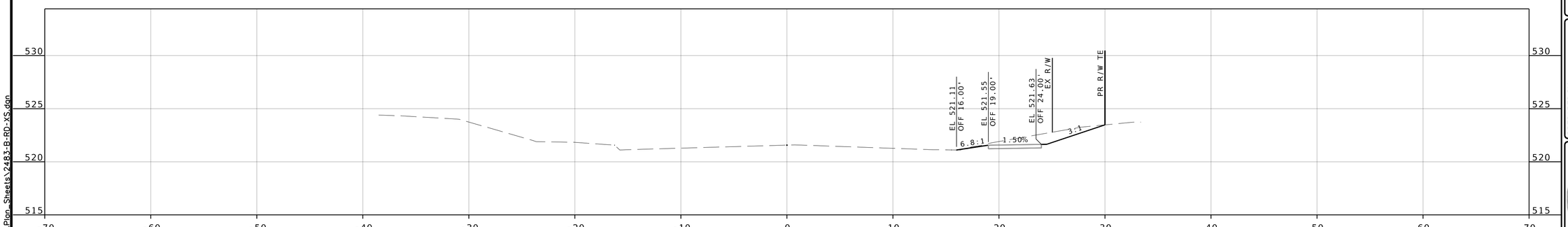
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

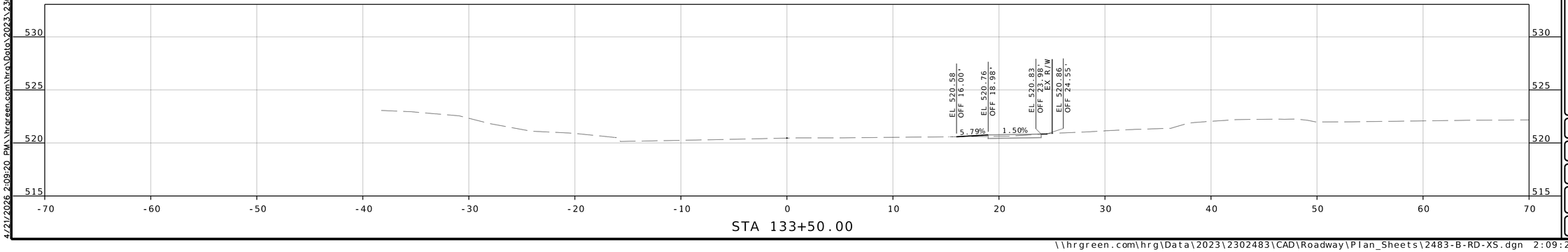
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STA 134+50.00



STA 134+00.00



STA 133+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I have prepared the documents intended to be authorized by my seal are limited to the work, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:26 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: (314) 432-0550 FAX: (314) 432-0551

PROFESSIONAL ENGINEER LICENSE NO.

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 11 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 68 OF 97

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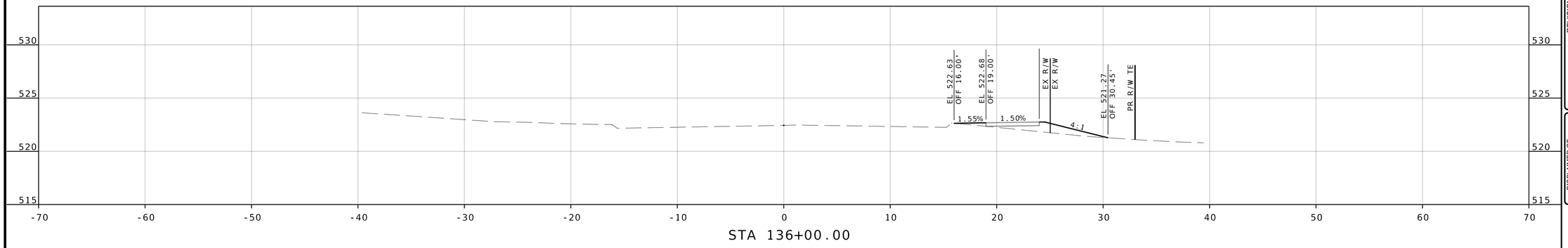
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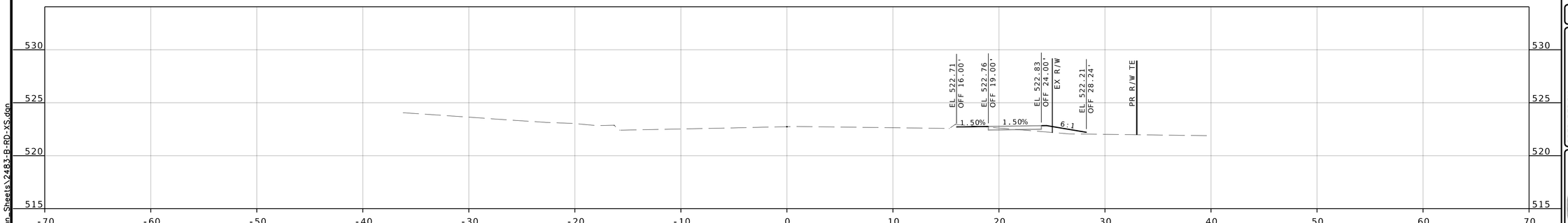
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

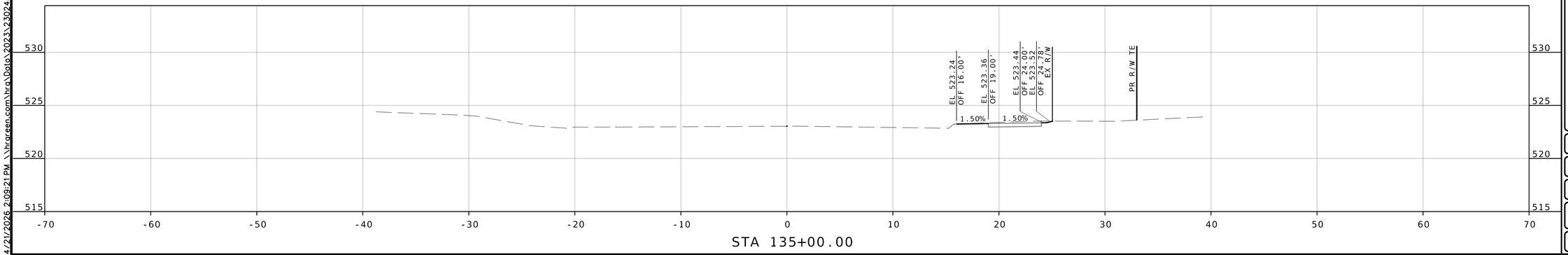
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STA 136+00.00



STA 135+50.00



STA 135+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to the work, and I hereby disclaim any responsibility for all other Documents, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:29 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY: HRGreen
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.579.0900 FAX: 314.579.0909

PROFESSIONAL ENGINEER LICENSE NO.

St. Ferdinand de Pleurissant 1786 St. Louis City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 12 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 69 OF 97

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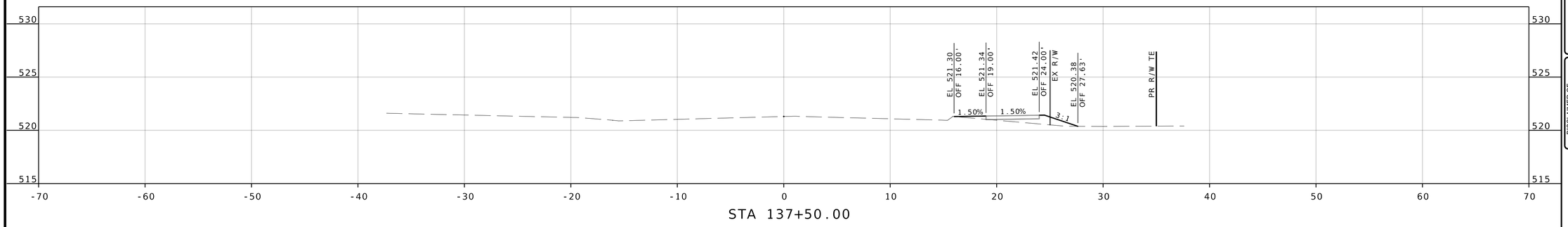
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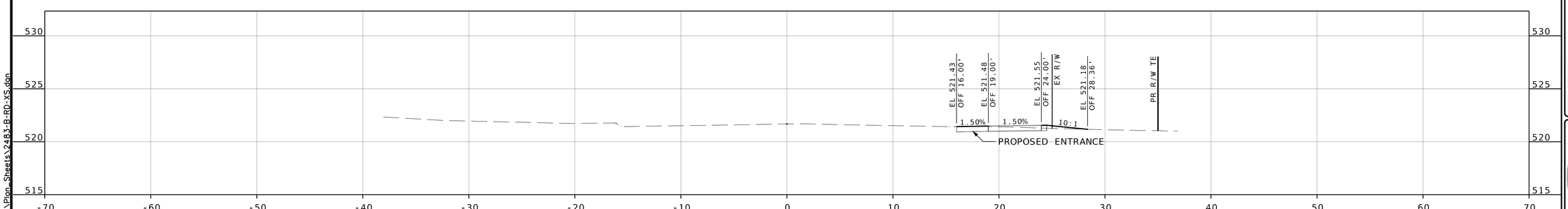
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

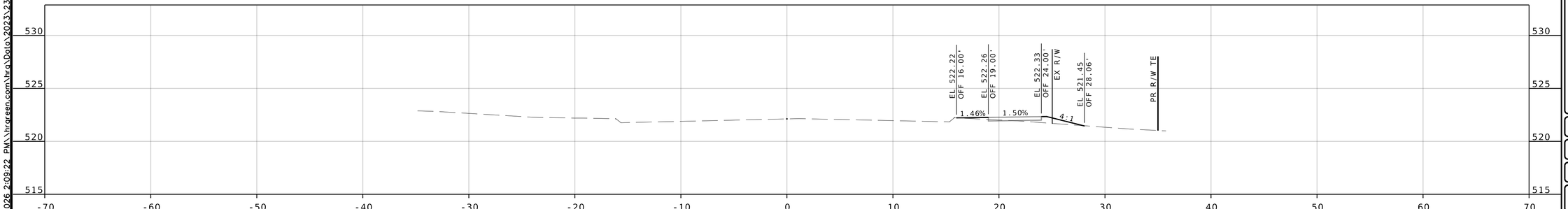
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STA 137+50.00



STA 137+00.00



STA 136+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I have reviewed the documents intended to be authorized by my seal are timely to the work, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:31 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
101 MANVILLE LEE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314-579-0900 FAX: 314-579-0909

PROFESSIONAL ENGINEER
LICENSE NO.

St. Ferdinand de Pleurisant 1796 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 13 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 70 OF 97

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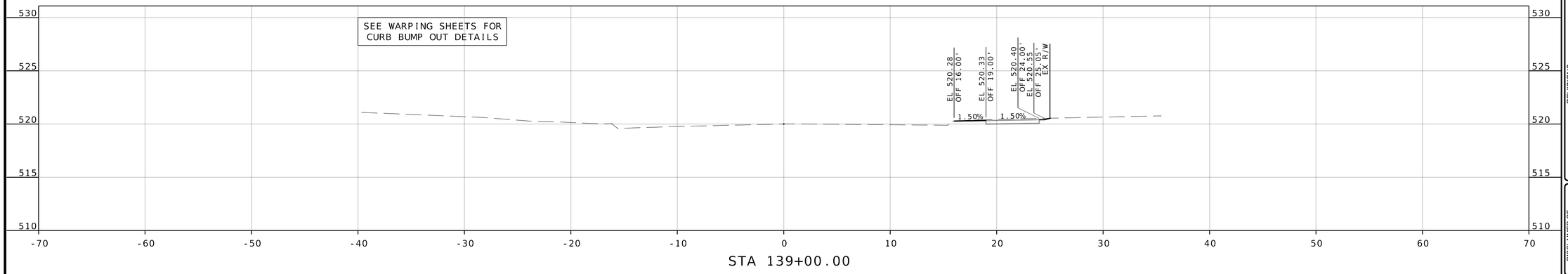
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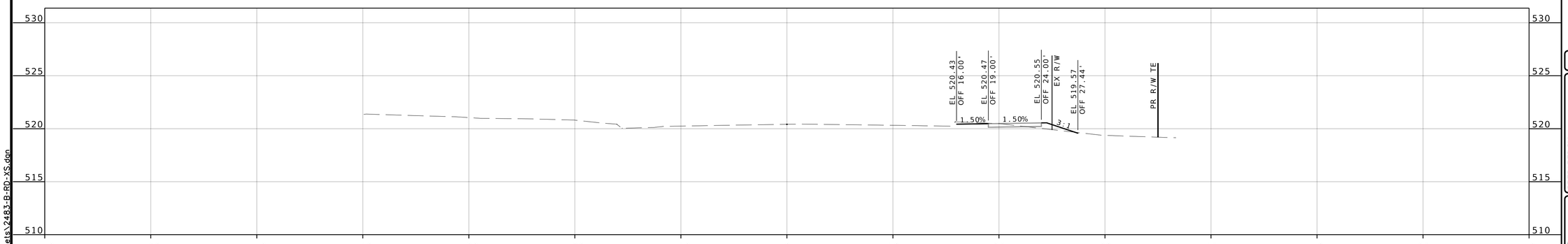
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

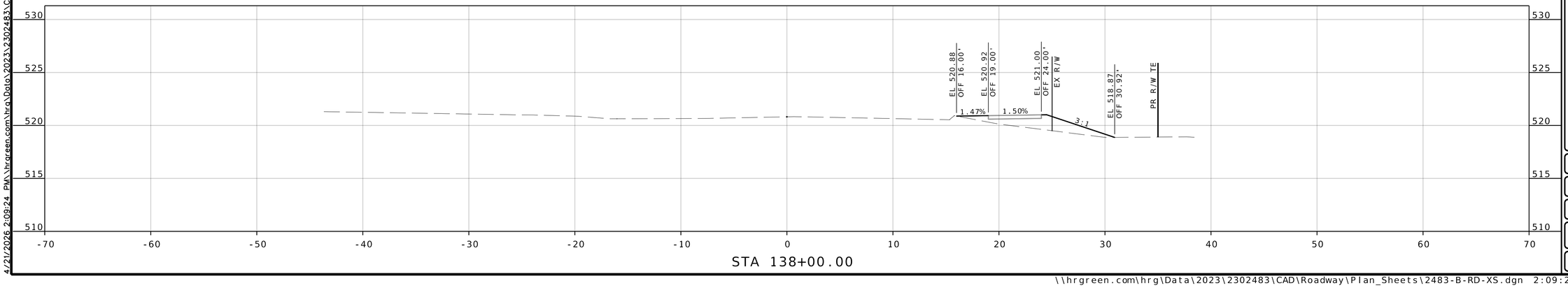
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STA 139+00.00



STA 138+50.00



STA 138+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I have exercised responsible charge over the documents intended to be authorized by my seal are limited to the items sealed and I hereby disclaim any responsibility for all other Documents, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S. Davis
04/21/2026 4:14:34 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
HRGREEN.COM, HRGREEN.PRO, 314.579.0900

PROFESSIONAL ENGINEER LICENSE NO.

St. Ferdinand de Pleurisaunt 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 14 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 71 OF 97

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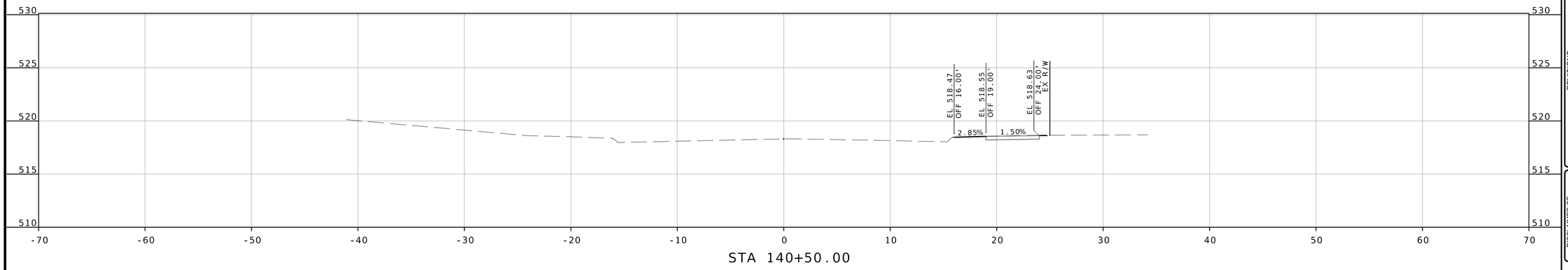
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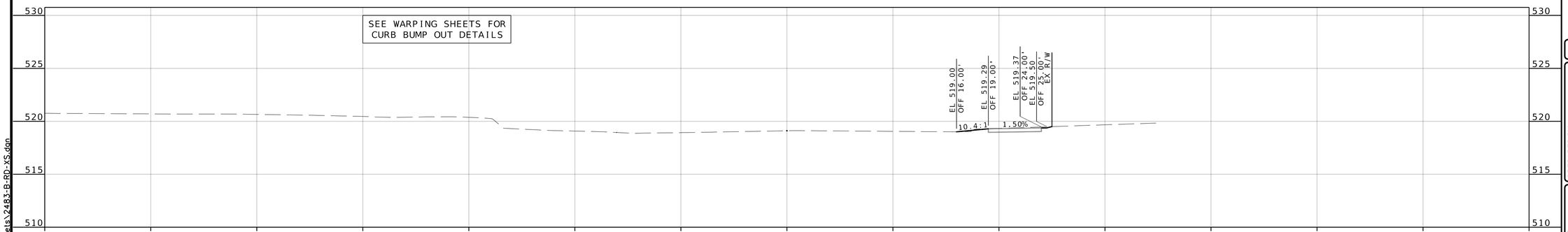
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

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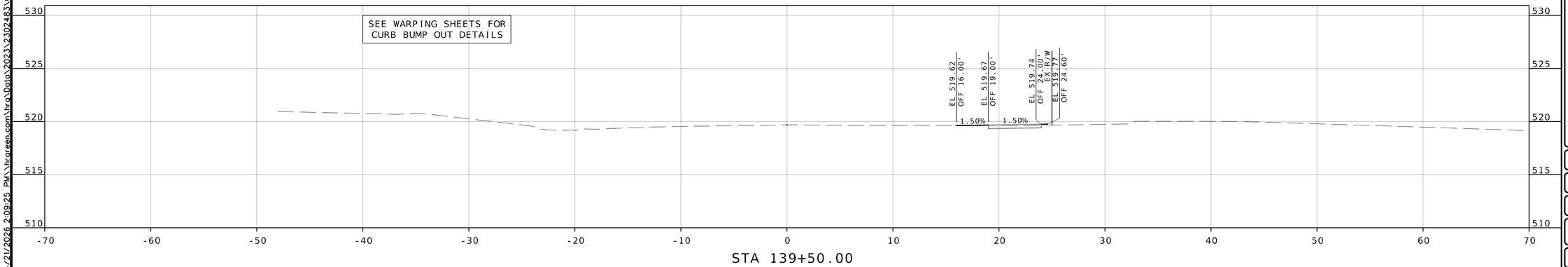
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STA 140+50.00



STA 140+00.00



STA 139+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to the Plans, and I hereby disclaim any responsibility for all other Documents, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:36 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
HRGreen®
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
(314) 432-0550 | WWW.HRGREEN.COM

PROFESSIONAL ENGINEER LICENSE NO.

Ft. Ferdinand de Plaurisant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 15 OF 26)

DESIGNED:
M. SCHNEIDER

DRAWN:
M. SCHNEIDER

CHECKED:
A. DAVIS

SHEET SEQUENCE:
72 OF 97

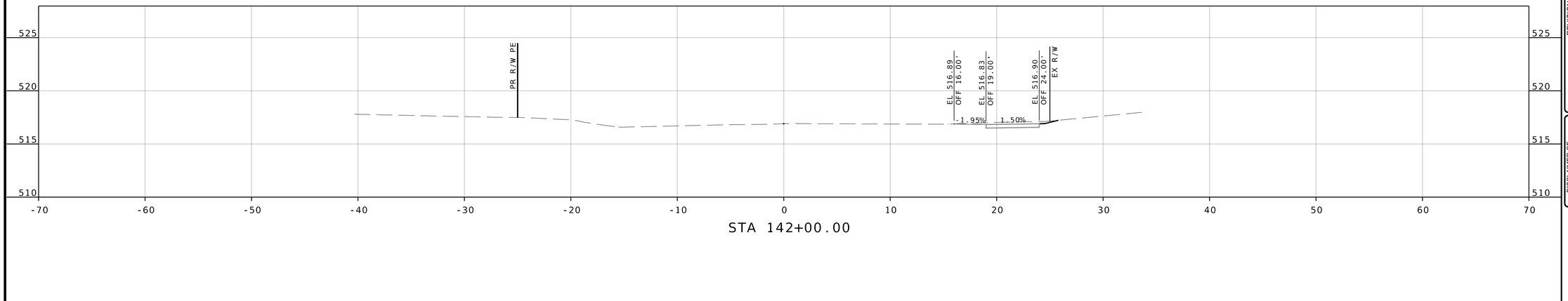
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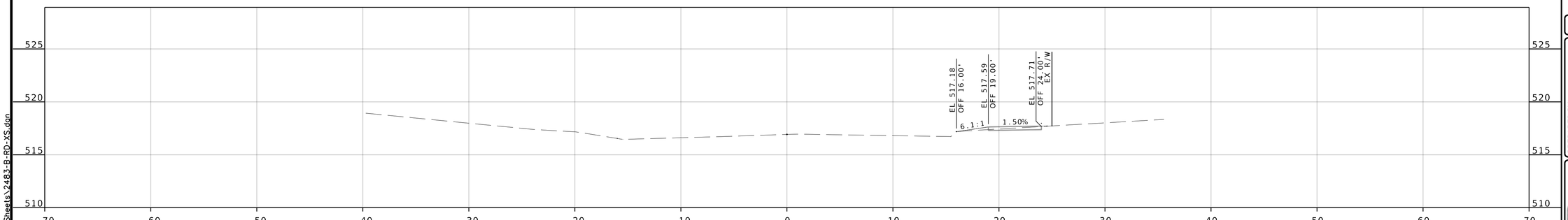
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

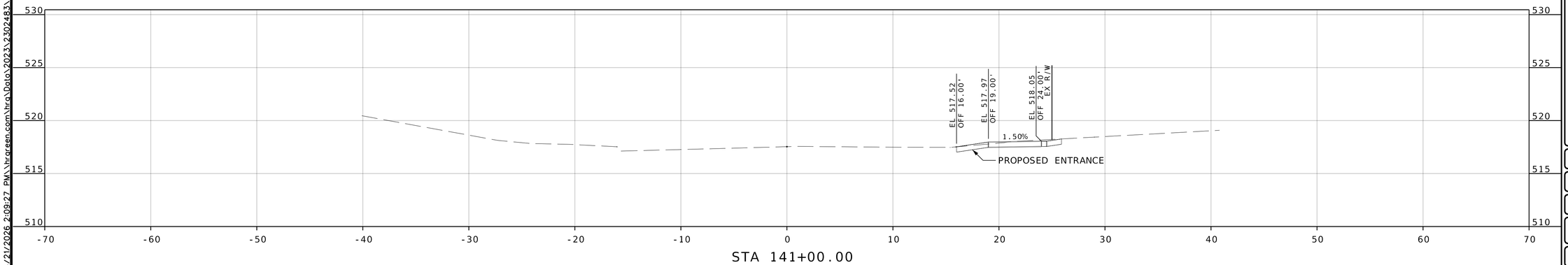
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STA 142+00.00



STA 141+50.00



STA 141+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:39 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
HRGreen
PROFESSIONAL ENGINEER
LICENSE NO.

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 16 OF 26)

DESIGNED:
M. SCHNEIDER

DRAWN:
M. SCHNEIDER

CHECKED:
A. DAVIS

SHEET SEQUENCE:
73 OF 97

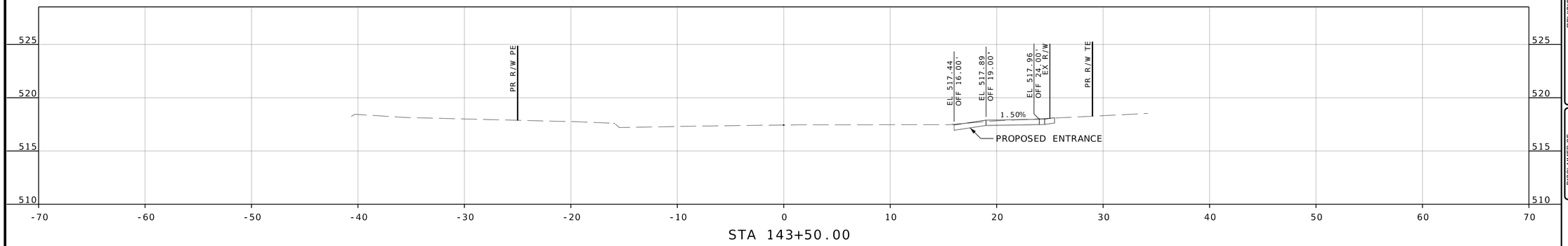
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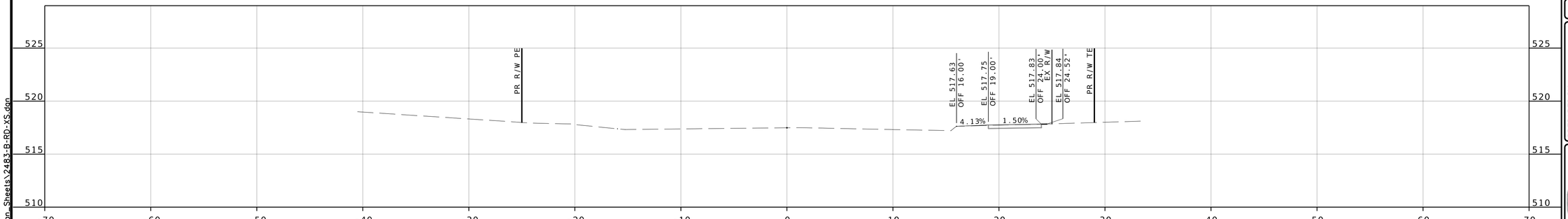
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

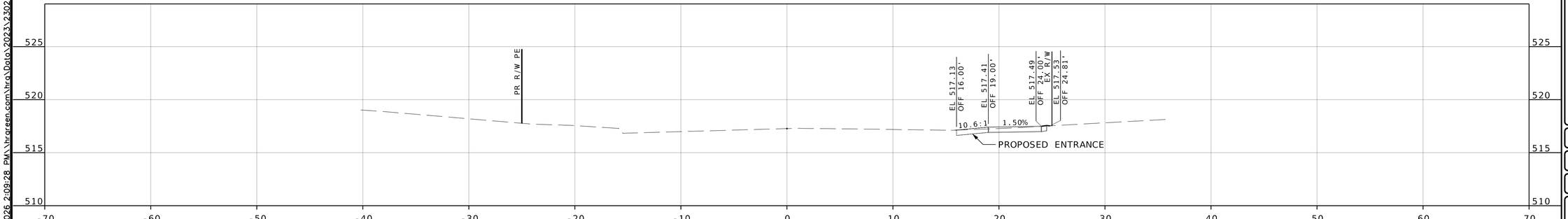
0 5 10 15



STA 143+50.00



STA 143+00.00



STA 142+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:42 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
320 MARKVIE EXCHANGE, STE. 100, ST. LOUIS, MO 63141
PHONE: (314) 432-0550 FAX: (314) 432-0551

PROFESSIONAL ENGINEER LICENSE NO.

St. Ferdinand de Pleurisaunt 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 17 OF 26)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS

SHEET SEQUENCE: 74 OF 97

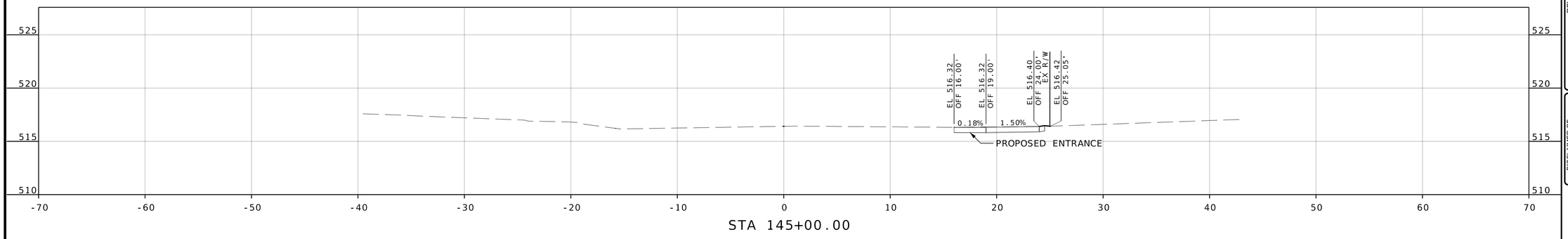
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NOTE:

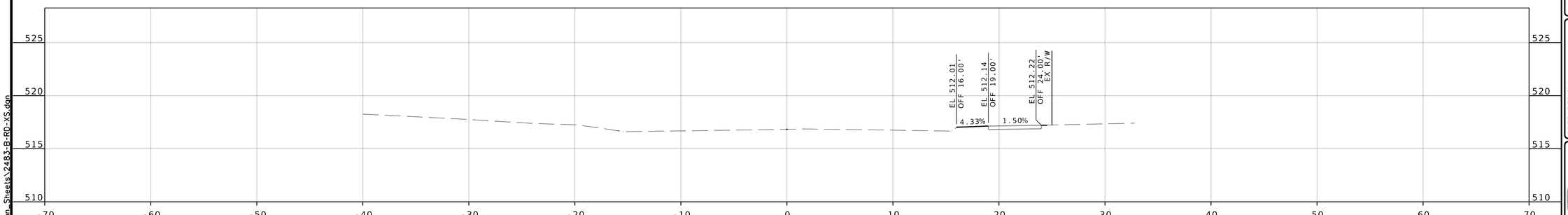
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

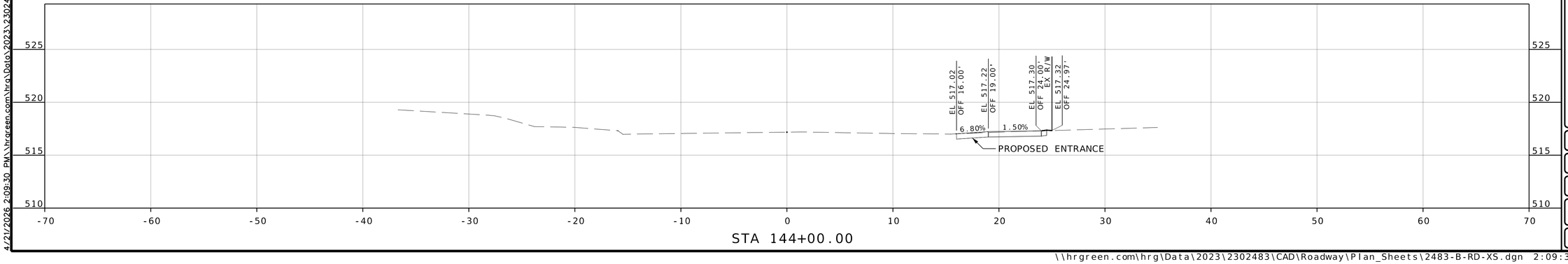
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STA 145+00.00



STA 144+50.00



STA 144+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authorized by my seal are limited to the work, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:45 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: (314) 432-0550 FAX: (314) 432-0551

PROFESSIONAL ENGINEER
LICENSE NO.

St. Ferdinand de Pleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 18 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 75 OF 97

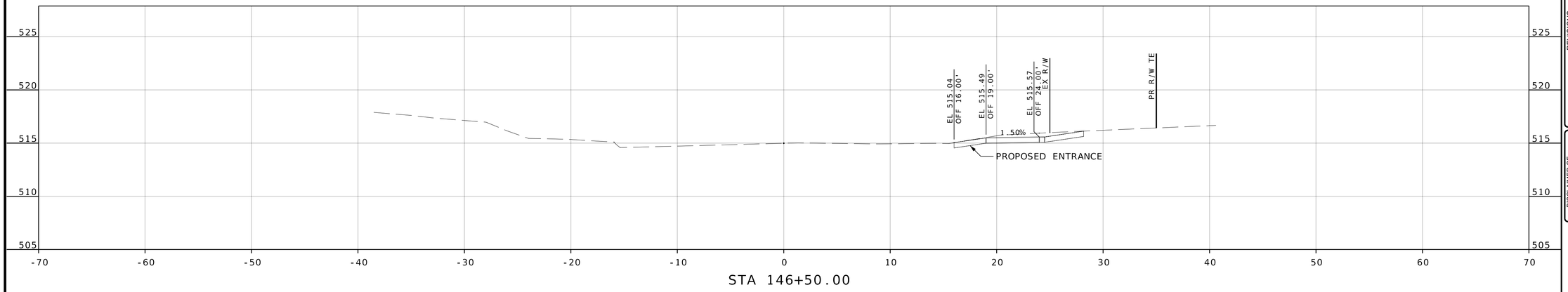
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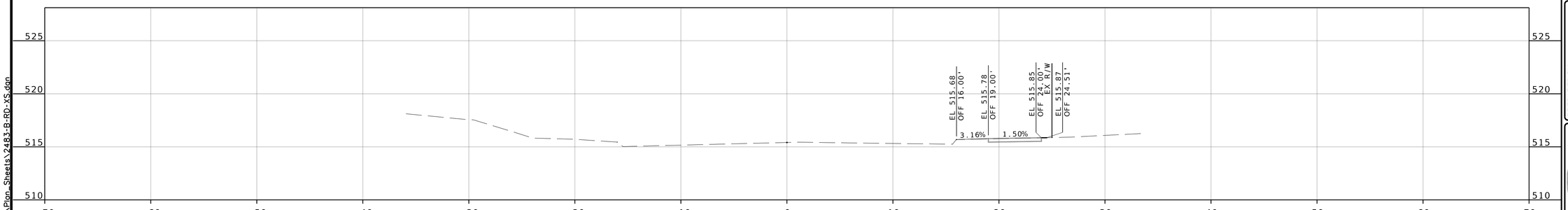
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

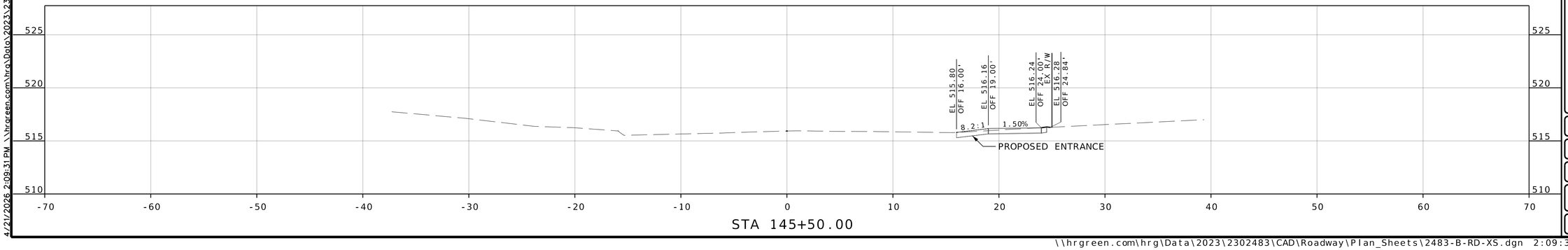
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STA 146+50.00



STA 146+00.00



STA 145+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I have prepared the documents intended to be authorized by my seal are timely to be used, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:48 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
101 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.432.0550 WWW.HRGREEN.COM

PROFESSIONAL ENGINEER LICENSE NO.

St. Ferdinand de Fleurissant 1796 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 19 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 76 OF 97

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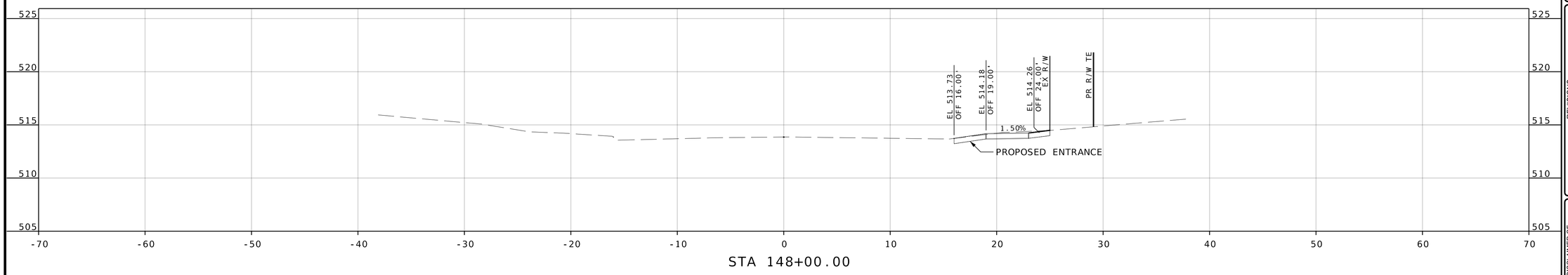
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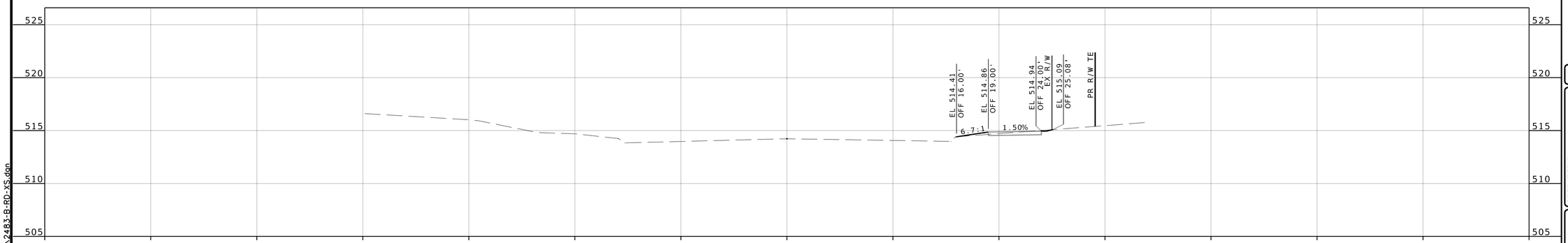
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

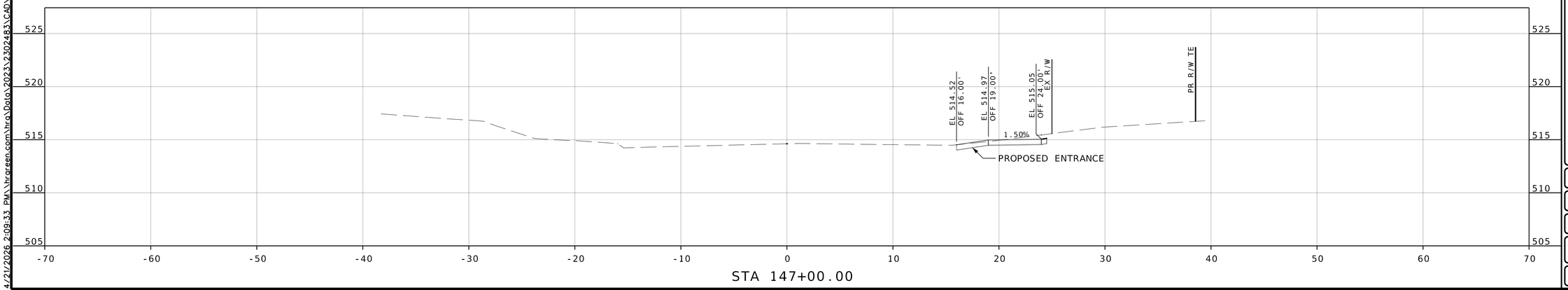
0 5 10 15



STA 148+00.00



STA 147+50.00



STA 147+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:51 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen®
HRGREEN.COM
550 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.579.0900 FAX: 314.579.0905

PROFESSIONAL ENGINEER LICENSE NO.

1786 Est. Fleurissant de Florissant City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 20 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 77 OF 97

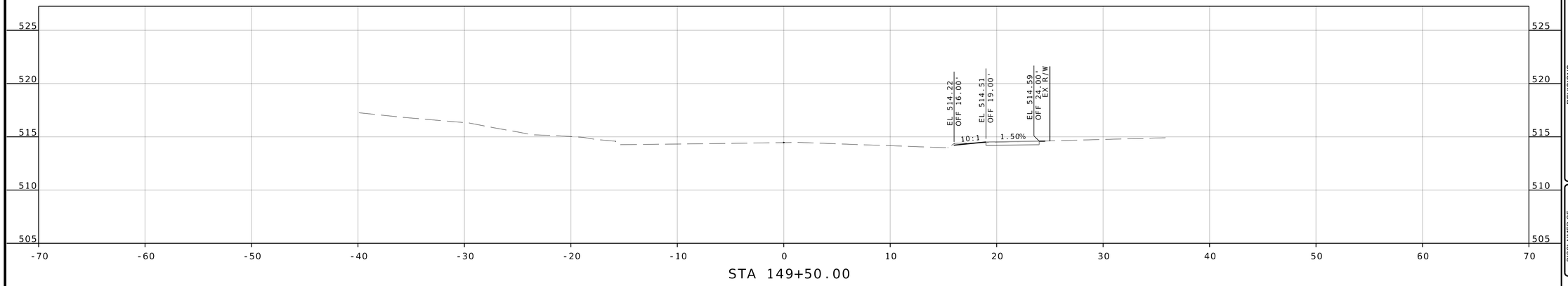
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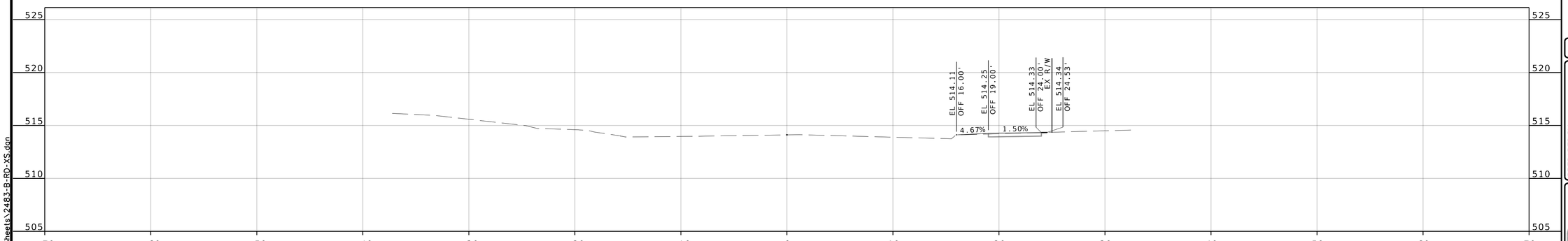
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

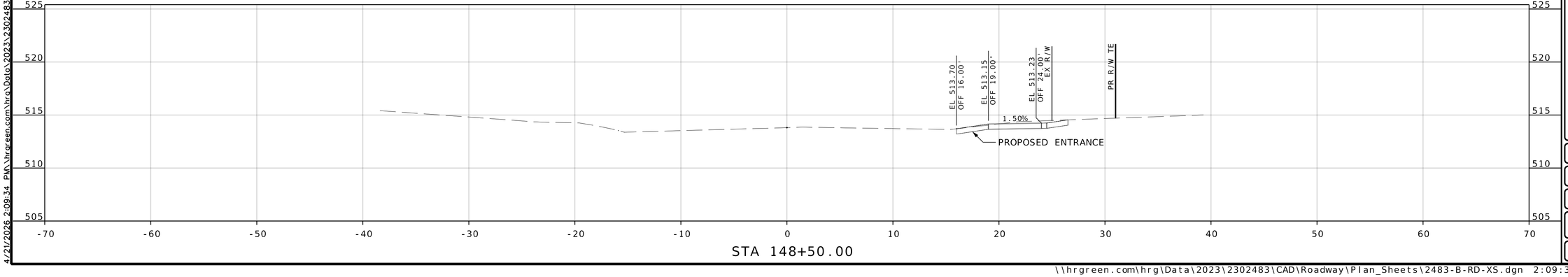
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STA 149+50.00



STA 149+00.00



STA 148+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:54 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: (314) 432-0550 FAX: (314) 432-0551

PROFESSIONAL ENGINEER LICENSE NO.

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 21 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 78 OF 97

4/21/2026 2:09:34 PM \\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-XS.dgn

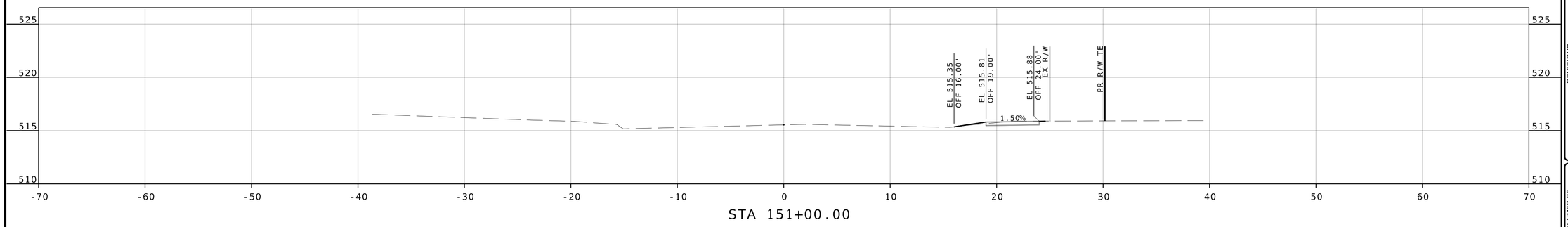
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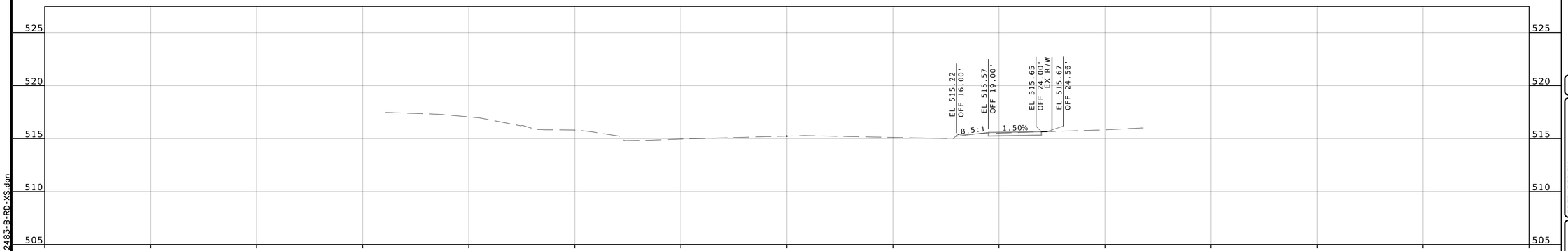
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

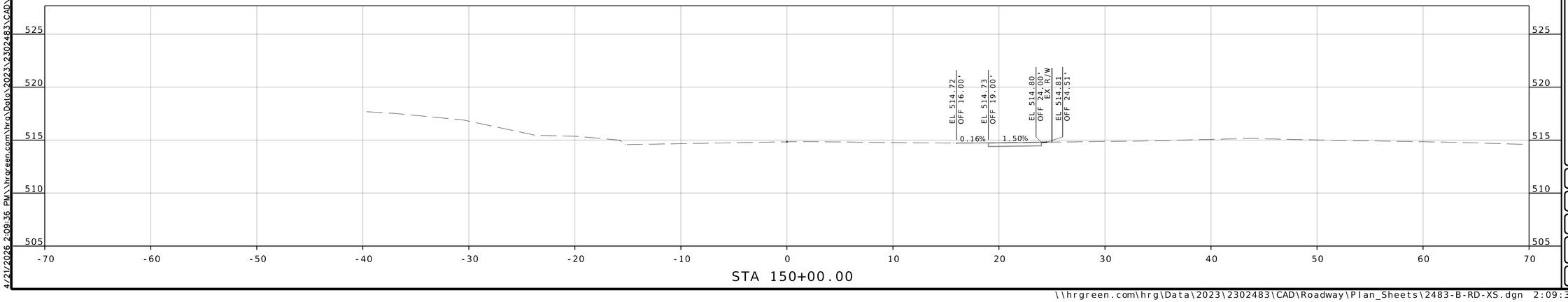
0 5 10 15



STA 151+00.00



STA 150+50.00



STA 150+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:57 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
1001 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: (314) 579-0400 WWW.HRGREEN.COM

PROFESSIONAL ENGINEER LICENSE NO.

St. Ferdinand de Pleurissant 1796 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 22 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 79 OF 97

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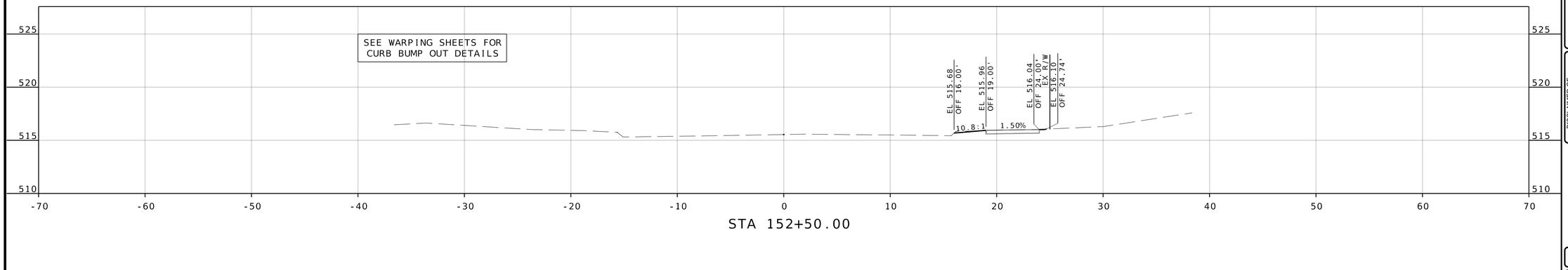
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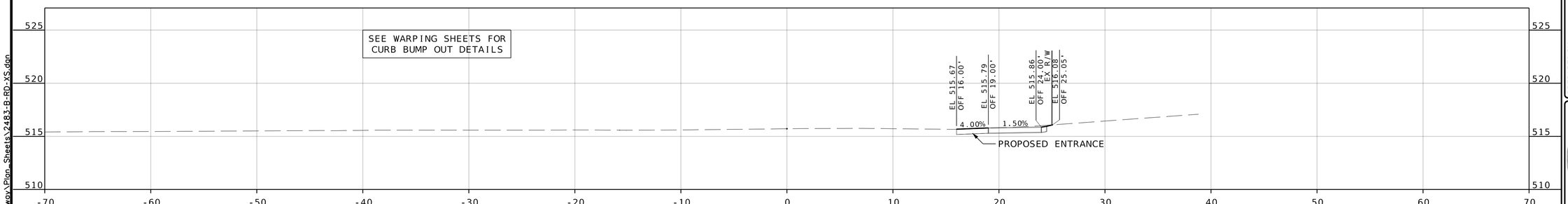
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

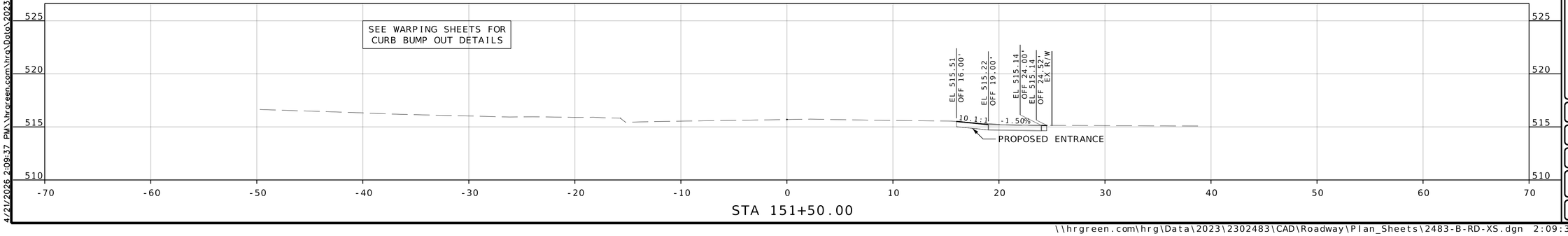
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STA 152+50.00



STA 152+00.00



STA 151+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:14:59 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
320 MARKET ST, CENTRE ONE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314-918-1100 WWW.HRGREEN.COM

PROFESSIONAL ENGINEER
LICENSE NO.

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 23 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 80 OF 97

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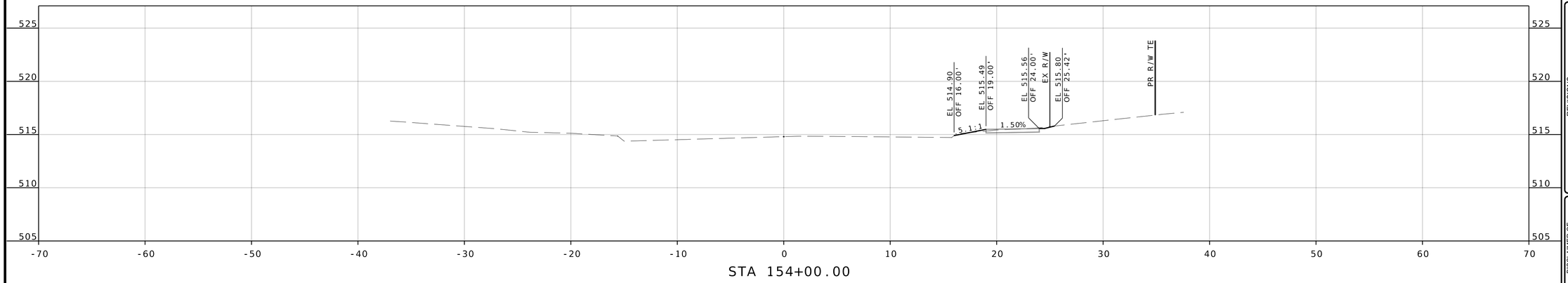
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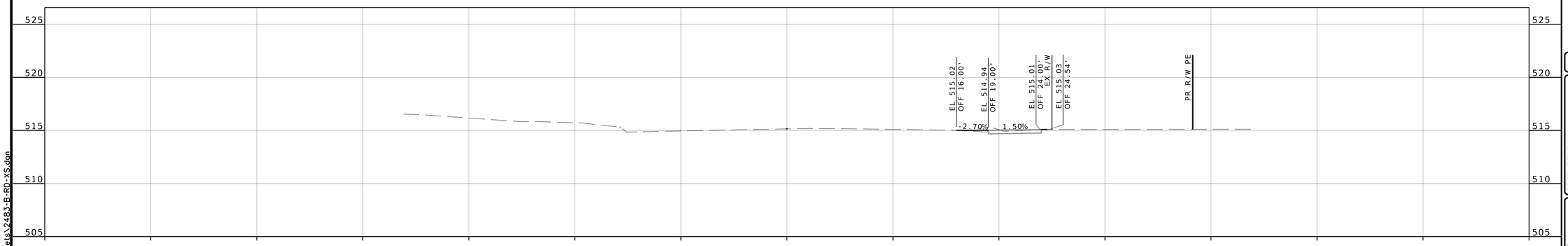
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

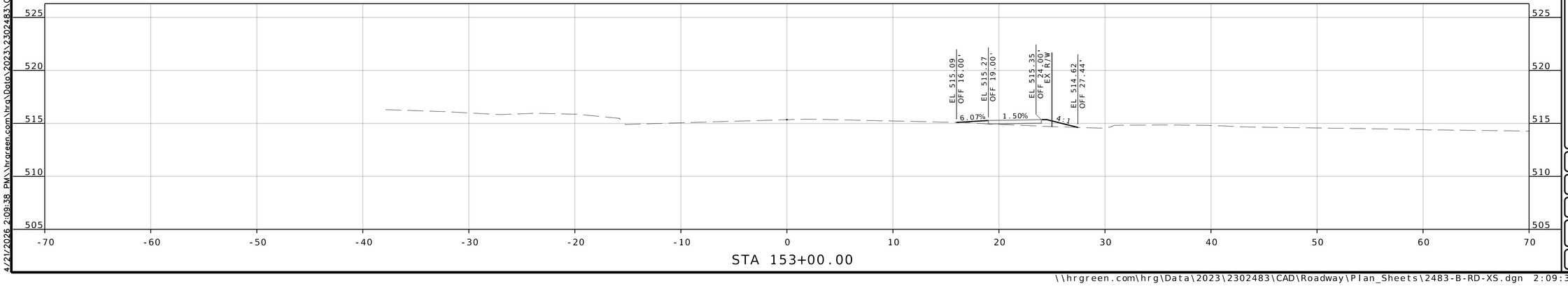
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STA 154+00.00



STA 153+50.00



STA 153+00.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:15:01 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: (314) 579-0400 WWW.HRGREEN.COM

PROFESSIONAL ENGINEER LICENSE NO.

St. Ferdinand de Pleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 24 OF 26)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 81 OF 97

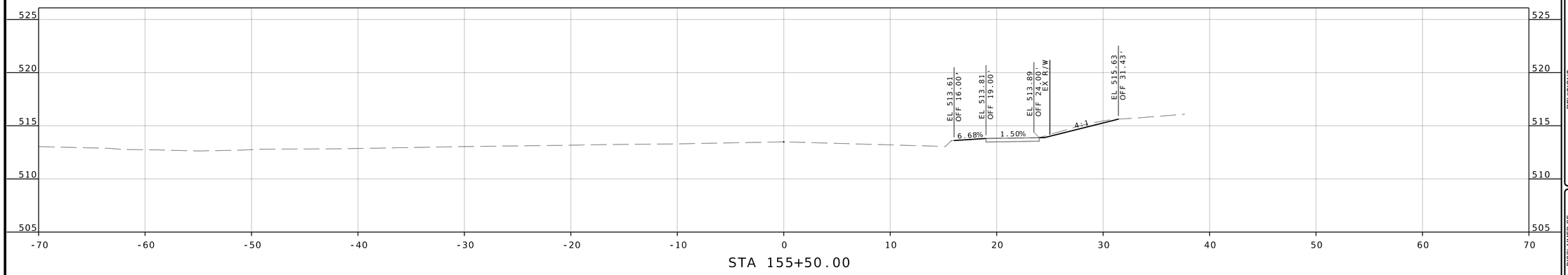
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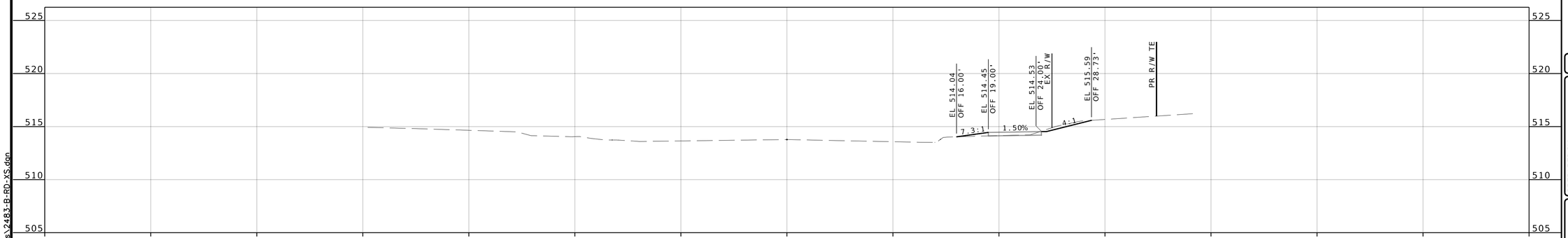
PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

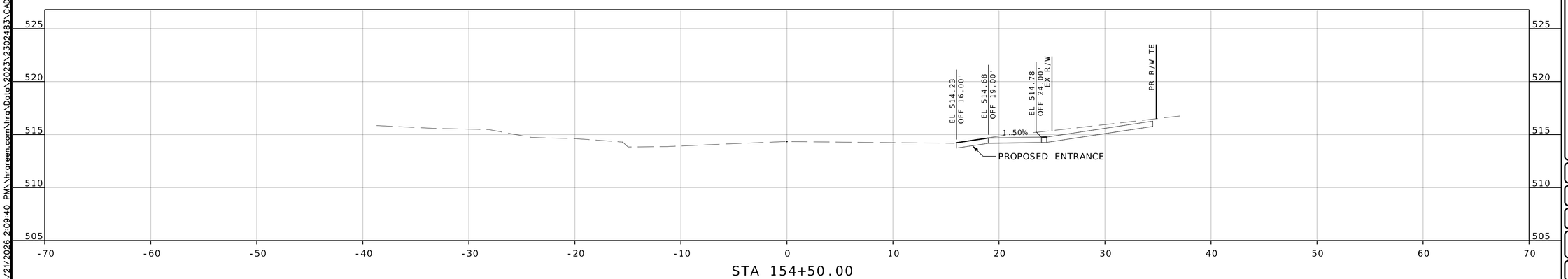
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STA 155+50.00



STA 155+00.00



STA 154+50.00

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:15:04 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
HRGreen®
320 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
(314) 432-0550 | WWW.HRGREEN.COM

PROFESSIONAL ENGINEER LICENSE NO.

Est. 1786 St. Ferdinand de Pleurissant City of Florissant

MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 25 OF 26)

DESIGNED: M. SCHNEIDER

DRAWN: M. SCHNEIDER

CHECKED: A. DAVIS

SHEET SEQUENCE: 82 OF 97

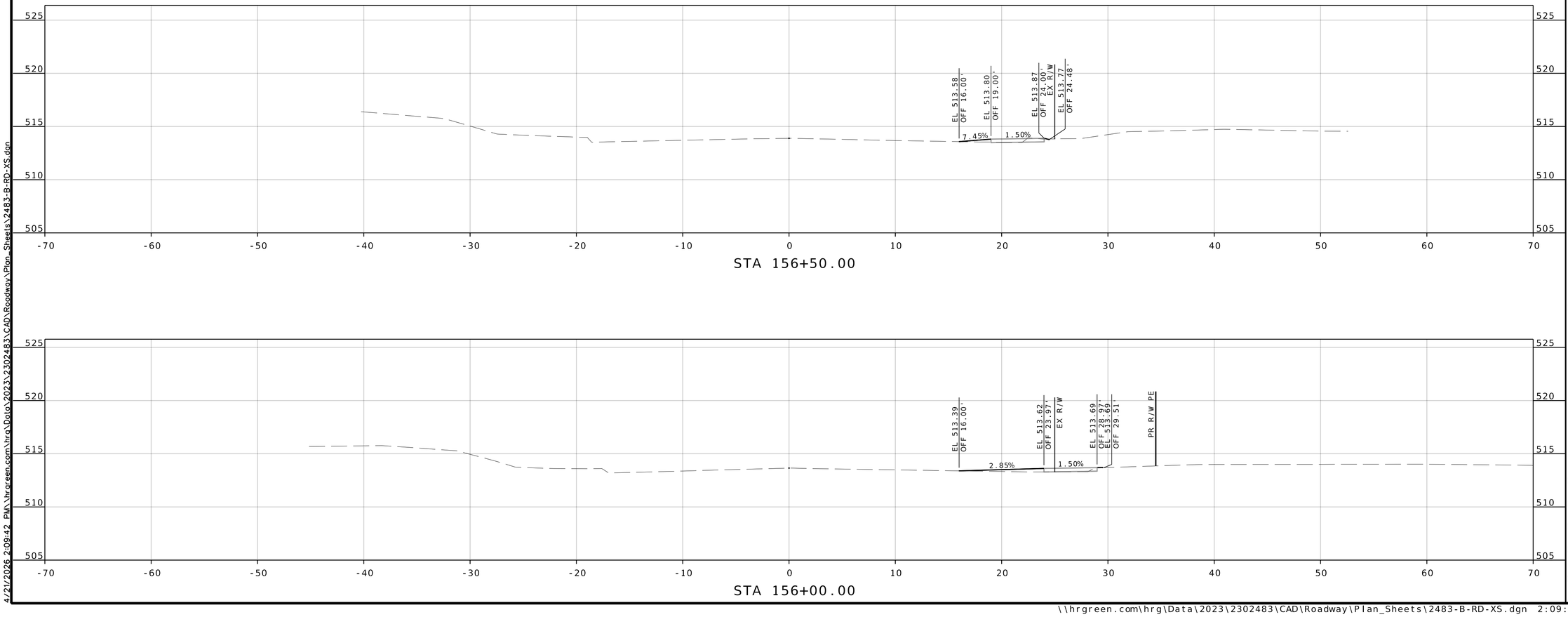
4/21/2026 2:09:40 PM \\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-XS.dgn

NOTE:

PR R/W TE = TEMPORARY SLOPE AND CONSTRUCTION LICENSE (TSCL)

SCALE

0 5 10 15



COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:15:07 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE: 4/21/2026

PREPARED BY:
HRGreen
520 MAPLE, SUITE 200 | KANSAS CITY, MO 64106 | 816.333.8787
1200 WALNUT, SUITE 1700 | KANSAS CITY, MO 64106 | 816.333.8787

PROFESSIONAL ENGINEER LICENSE NO.

St. Ferdinand de Pleurissant 1786 Est. City of Florissant

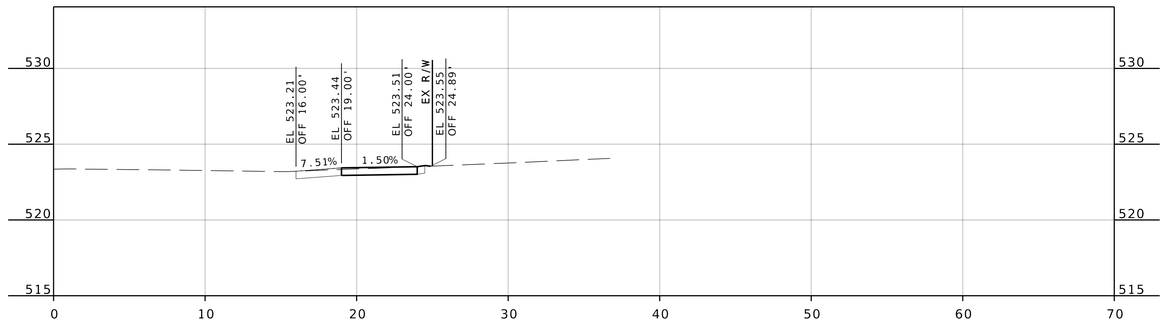
MULLANPHY ROAD RESURFACING

CROSS SECTIONS (SHEET 26 OF 26)

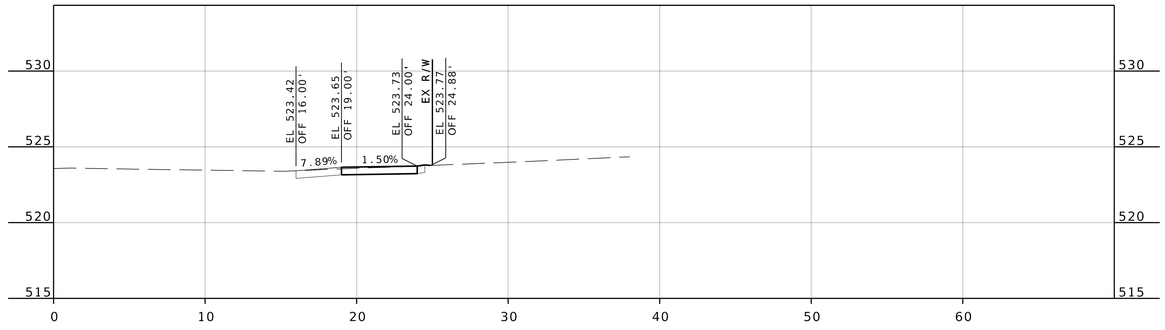
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DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 83 OF 97

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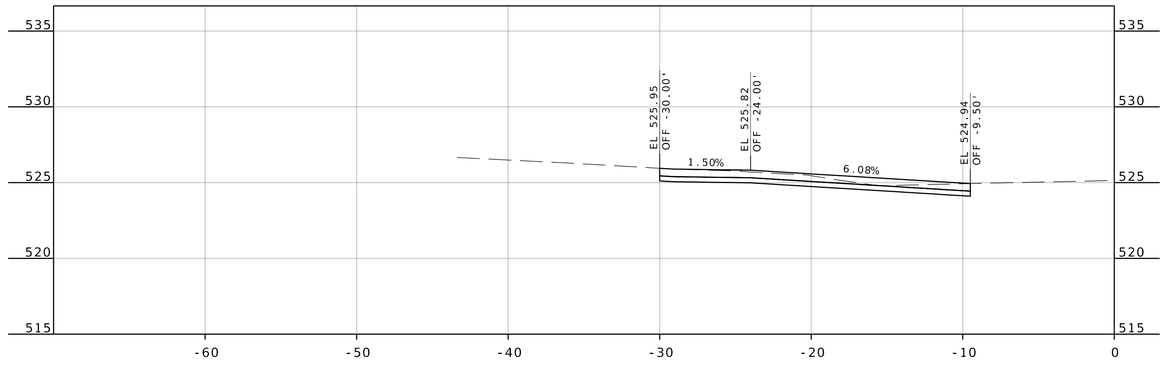
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STA 119+76.85
1340 MULLANPHY ROAD



STA 119+58.17
1360 MULLANPHY ROAD



STA 118+71.40
1395 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
I have exercised and fully authorized the documents intended to be issued by me, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
Andrea S. Davis
04/21/2026 4:15:10 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
120 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.579.0900 FAX: 314.579.0909
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Pleurisant 1786 Est. City of Florissant

MULLANPHY ROAD
RESURFACING

DRIVEWAY
CROSS SECTIONS
(SHEET 1 OF 14)

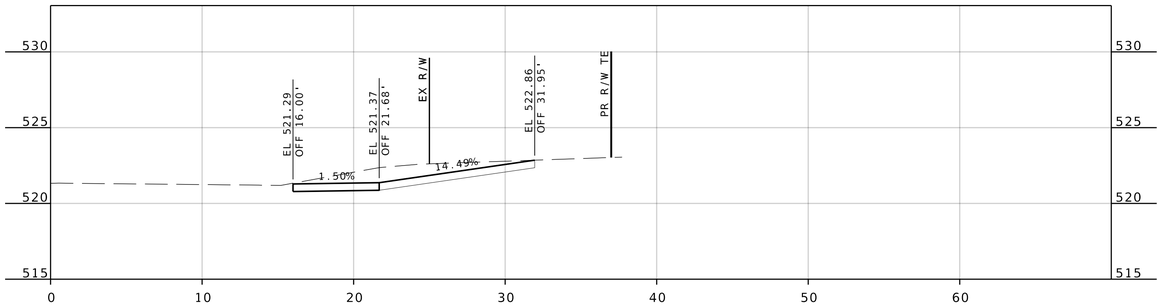
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M. SCHNEIDER

DRAWN:
M. SCHNEIDER

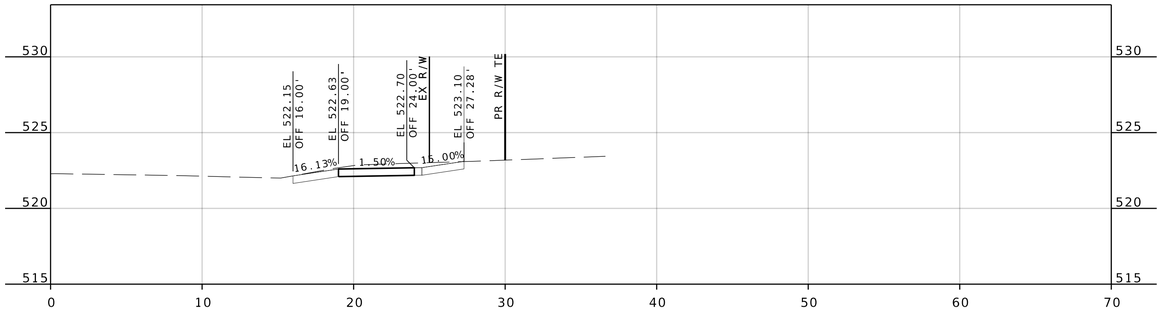
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A. DAVIS

SHEET SEQUENCE:
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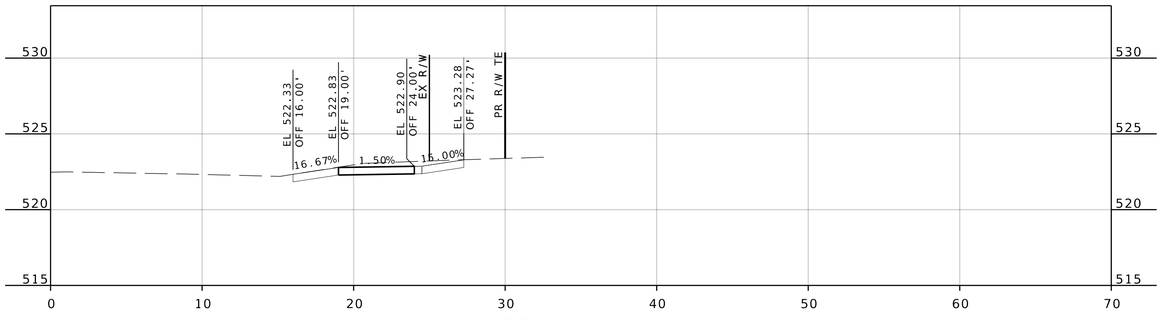
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STA 122+18.53
1300 MULLANPHY ROAD



STA 121+11.03
1310 MULLANPHY ROAD



STA 120+84.91
1320 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

04/21/2026 4:15:13 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

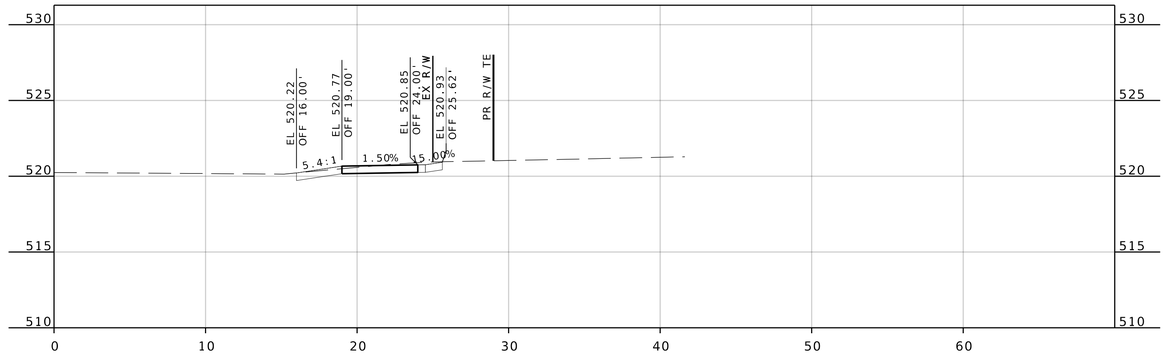
PREPARED BY:
HRGreen
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

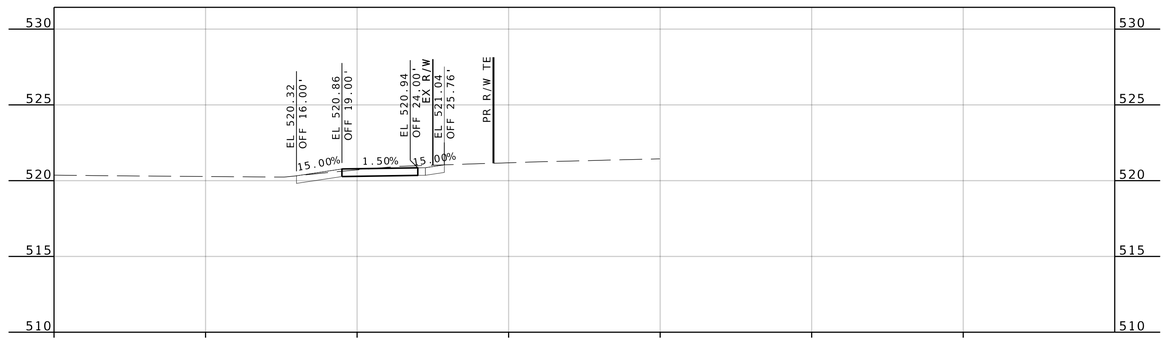
DRIVEWAY CROSS SECTIONS (SHEET 2 OF 14)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 85 OF 97

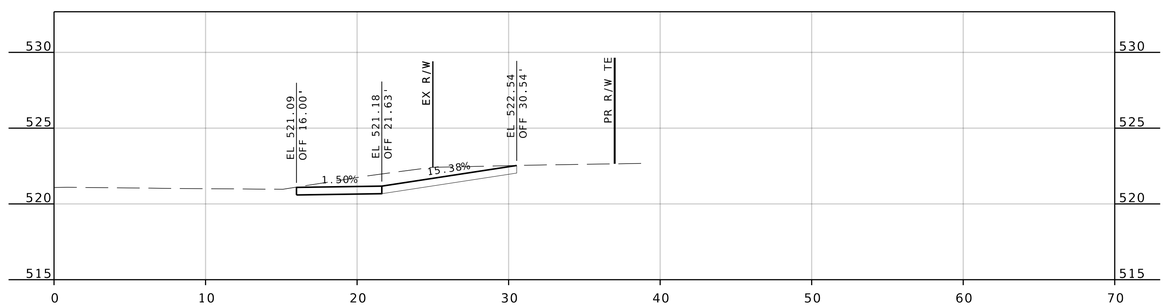
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STA 123+67.68
1270 MULLANPHY ROAD



STA 123+49.12
1280 MULLANPHY ROAD



STA 122+43.39
1290 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

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ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER
04/21/2026 4:15:16 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD
RESURFACING

DRIVEWAY
CROSS SECTIONS
(SHEET 3 OF 14)

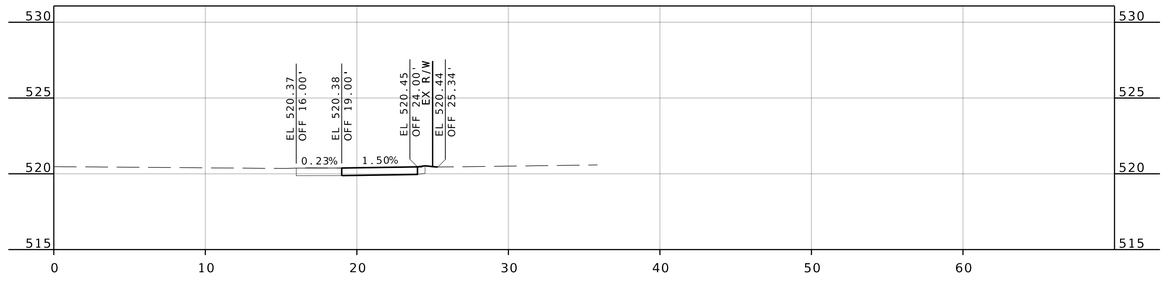
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M. SCHNEIDER

DRAWN:
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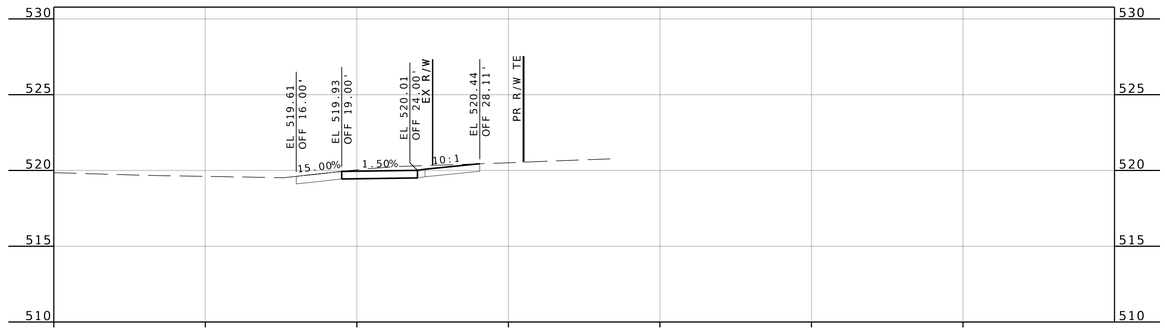
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A. DAVIS

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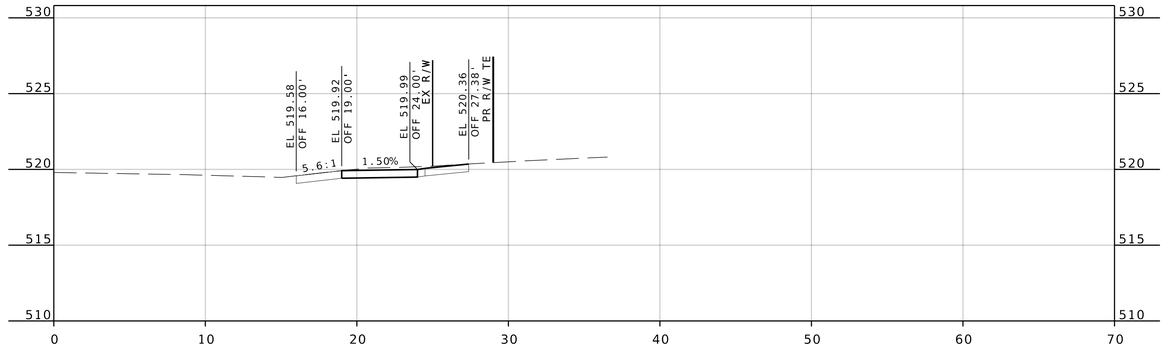
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STA 126+08.33
1220 MULLANPHY ROAD



STA 125+02.70
1240 MULLANPHY ROAD



STA 124+74.70
1260 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

04/21/2026 4:15:19 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
120 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
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ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

Bl. Feuillant de Pleurlaeant 1786 Est. Cite of Florissant

MULLANPHY ROAD
RESURFACING

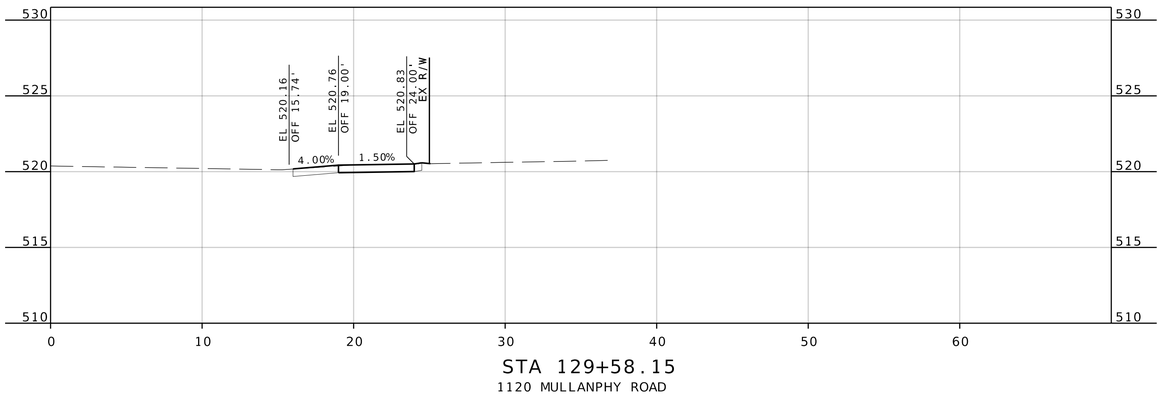
DRIVEWAY
CROSS SECTIONS
(SHEET 4 OF 14)

DESIGNED:
M. SCHNEIDER

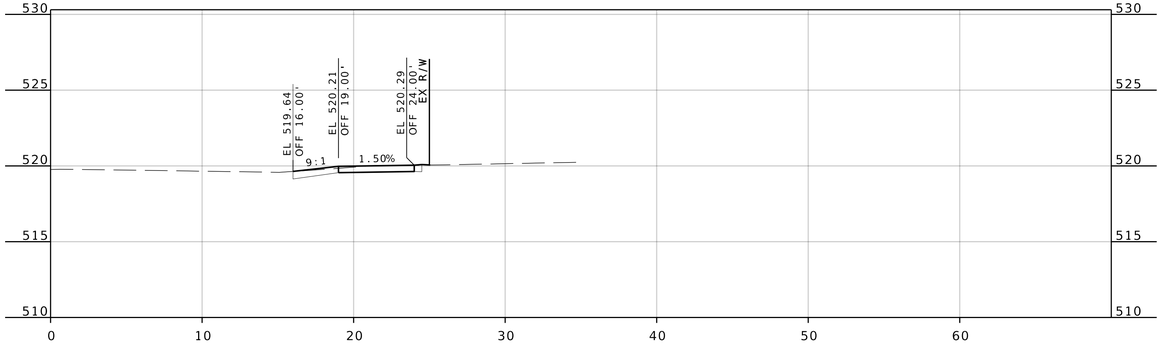
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A. DAVIS

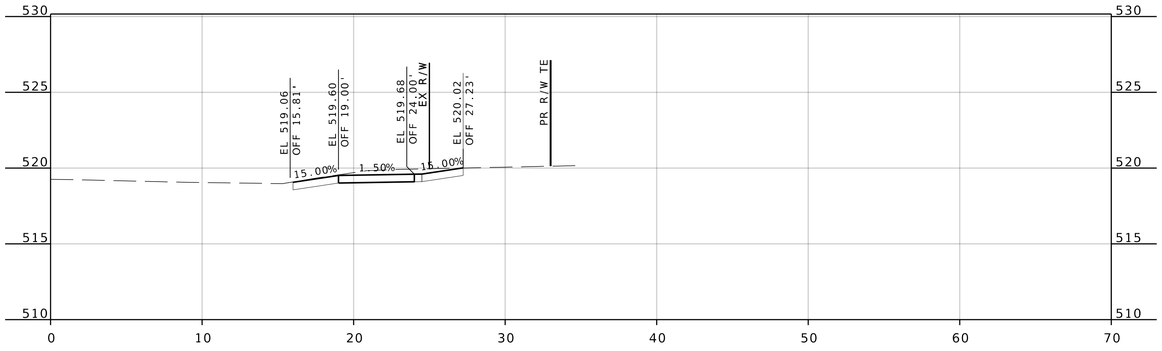
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87 OF 97



STA 129+58.15
1120 MULLANPHY ROAD



STA 128+89.34
1130 MULLANPHY ROAD



STA 128+22.89
1140 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

04/21/2026 4:15:25 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD
RESURFACING

DRIVEWAY
CROSS SECTIONS
(SHEET 5 OF 14)

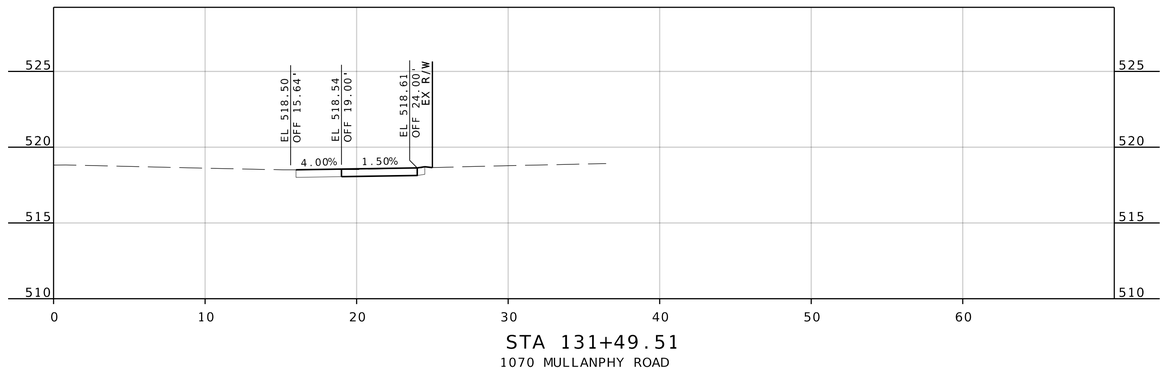
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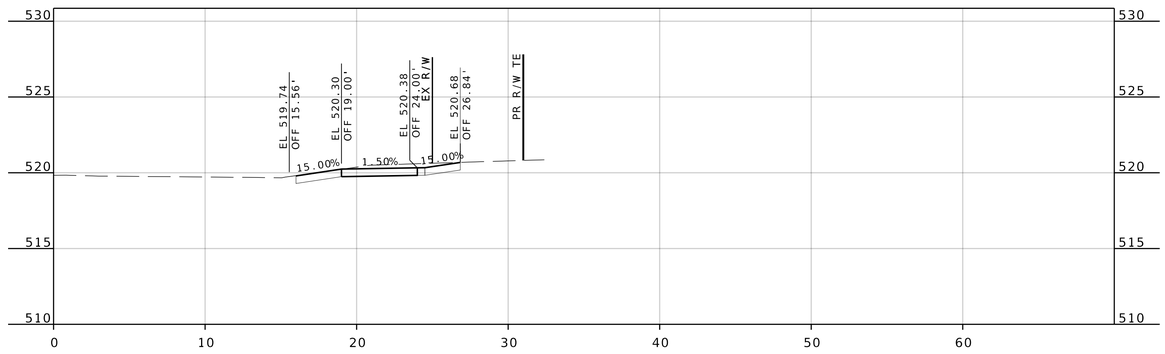
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A. DAVIS

SHEET SEQUENCE:
88 OF 97

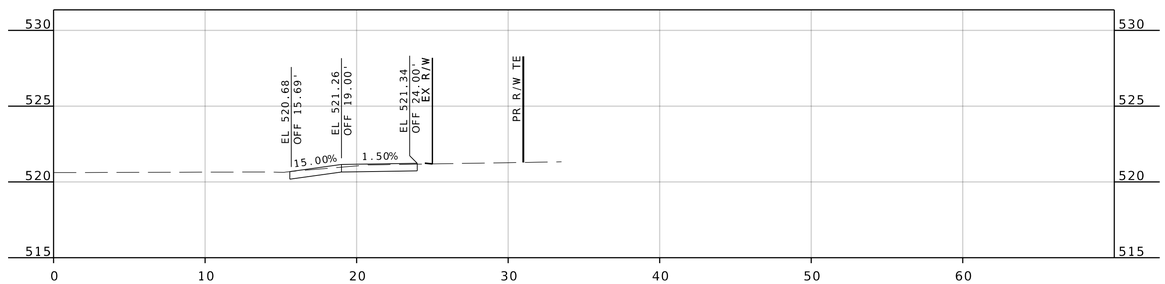
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STA 131+49.51
1070 MULLANPHY ROAD



STA 130+81.59
1080 MULLANPHY ROAD



STA 130+15.87
1100 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S. Davis
04/21/2026 4:15:31 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
101 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: (314) 432-0550 FAX: (314) 432-0551
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD
RESURFACING

DRIVEWAY
CROSS SECTIONS
(SHEET 6 OF 14)

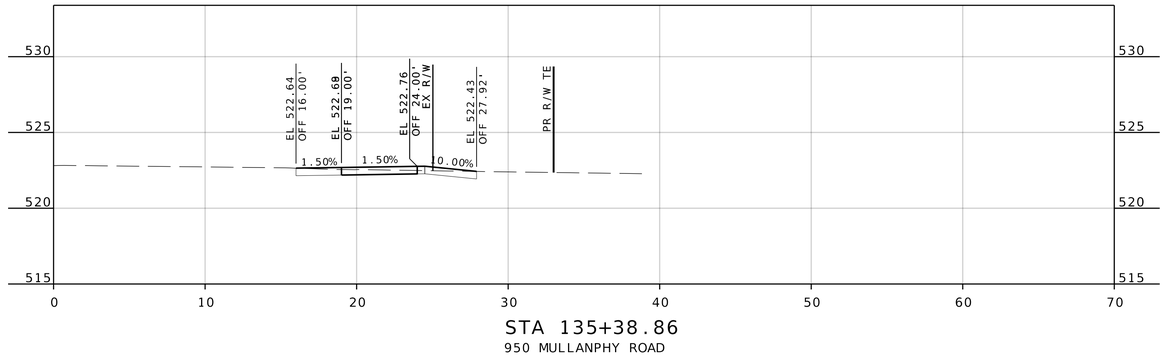
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M. SCHNEIDER

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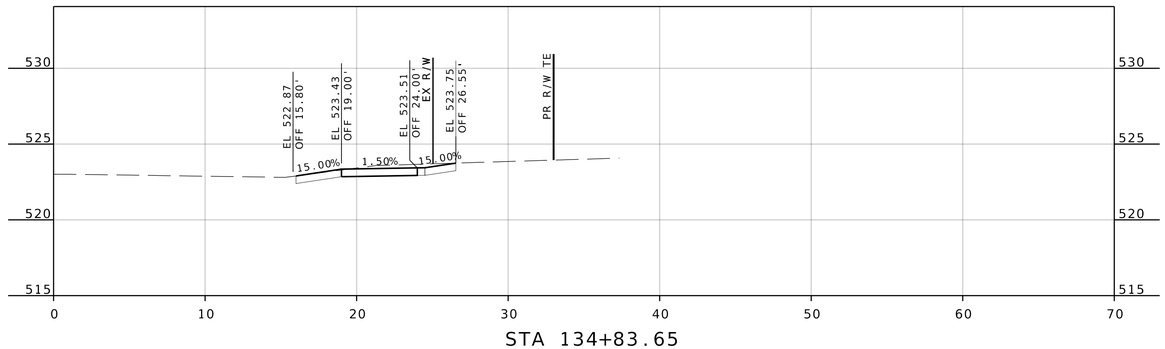
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89 OF 97

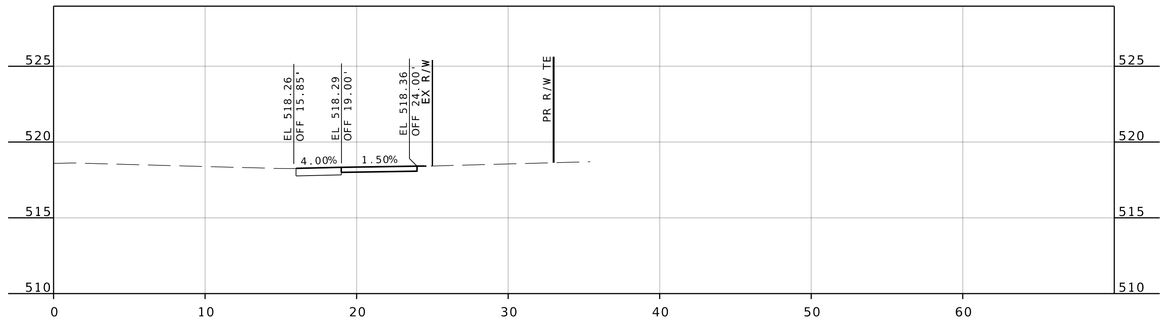
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STA 135+38.86
950 MULLANPHY ROAD



STA 134+83.65
1100 MULLANPHY ROAD



STA 132+57.80
1060 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:15:35 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen
101 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.432.0550 WWW.HRGREEN.COM
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

Est. 1786 St. Ferdinand de Florissant City of Florissant

MULLANPHY ROAD
RESURFACING

DRIVEWAY
CROSS SECTIONS
(SHEET 7 OF 14)

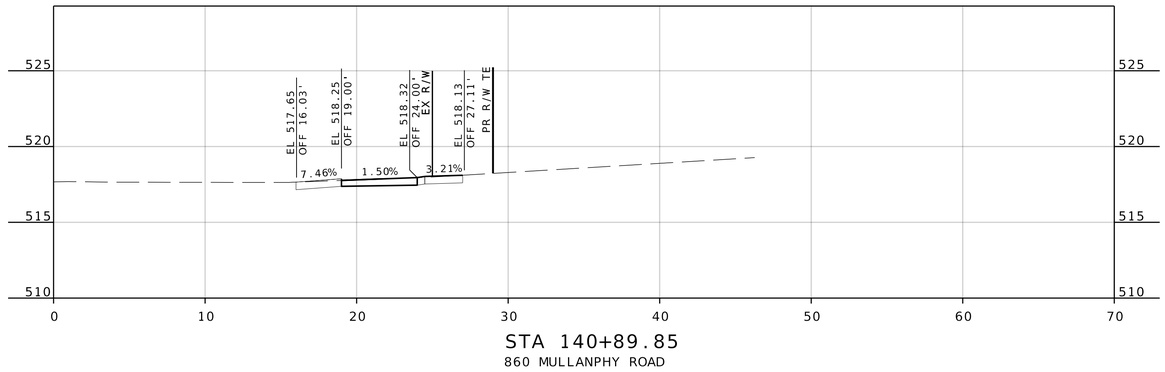
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M. SCHNEIDER

DRAWN:
M. SCHNEIDER

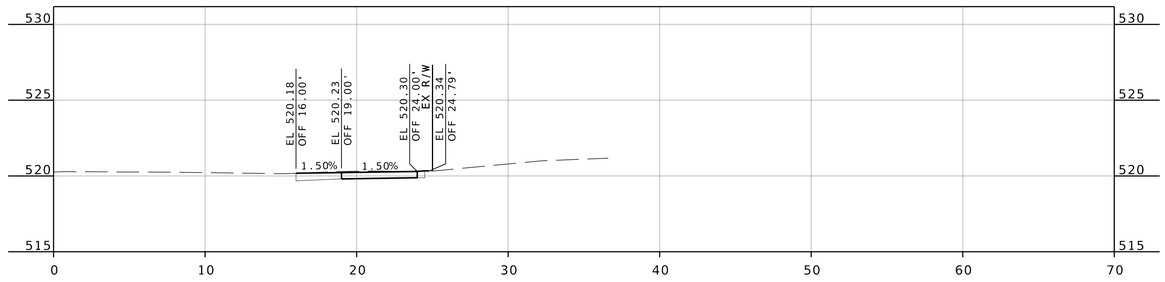
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A. DAVIS

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90 OF 97

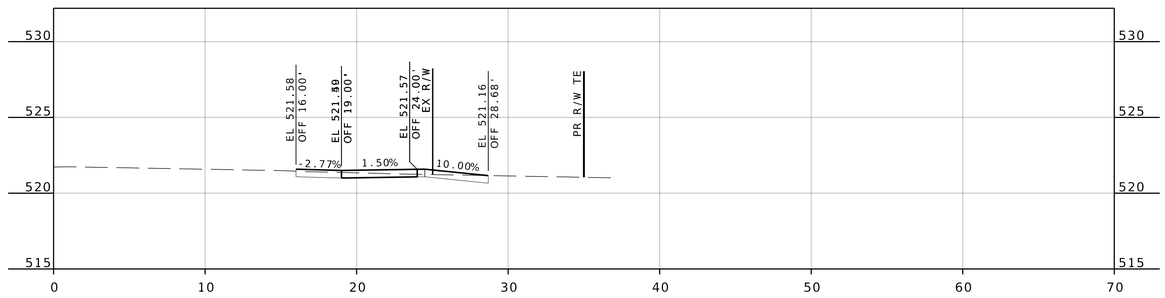
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STA 140+89.85
860 MULLANPHY ROAD



STA 138+69.06
900 MULLANPHY ROAD



STA 136+95.02
920 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

Andrea S Davis
04/21/2026 4:15:39 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen®
331 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: 314.579.0900 WWW.HRGREEN.COM
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD
RESURFACING

DRIVEWAY
CROSS SECTIONS
(SHEET 8 OF 14)

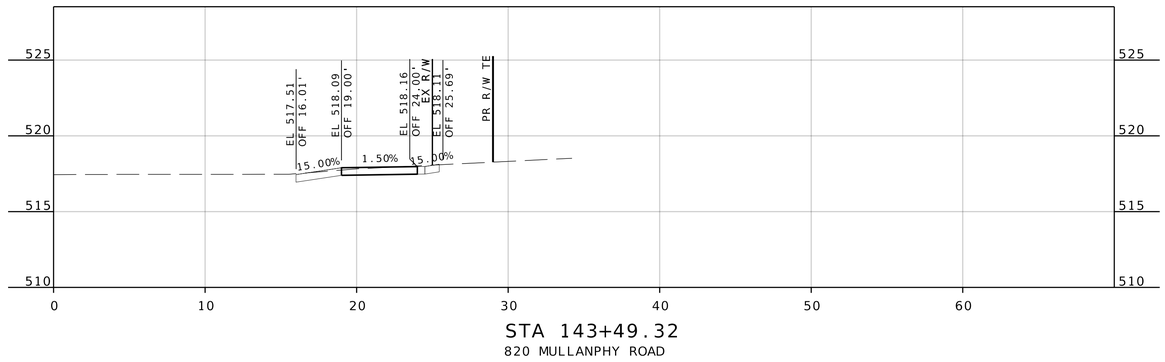
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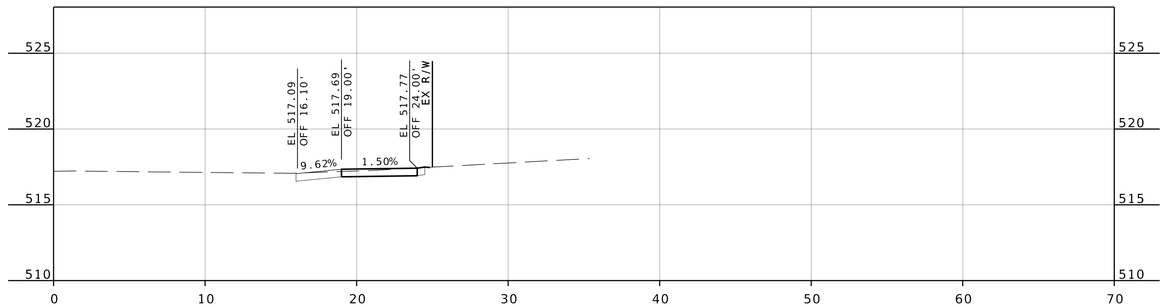
CHECKED:
A. DAVIS

SHEET SEQUENCE:
91 OF 97

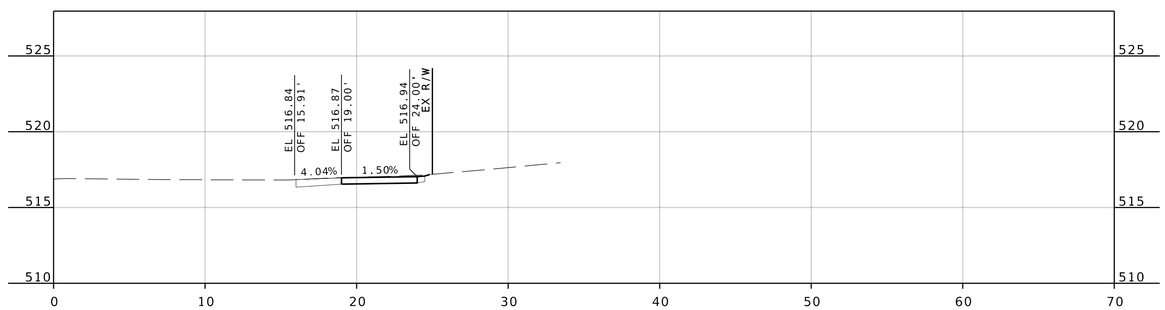
4/21/2026 2:10:30 PM \\hrgreen.com\hrg\Data\2023\2302483\CAD\Roadway\Plan_Sheets\2483-B-RD-XS-Driveways.dgn



STA 143+49.32
820 MULLANPHY ROAD



STA 142+41.79
830 MULLANPHY ROAD



STA 141+94.57
850 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DISCLAIMER OF RESPONSIBILITY
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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

04/21/2026 4:15:44 PM
Andrea S. Davis - Civil
MO PE-2018021250

DATE:
4/21/2026

PREPARED BY:
HRGreen®
101 MARYVILLE CENTRE DRIVE, STE. 150, ST. LOUIS, MO 63141
PHONE: 314-432-0550 FAX: 314-432-0551
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD
RESURFACING

DRIVEWAY
CROSS SECTIONS
(SHEET 9 OF 14)

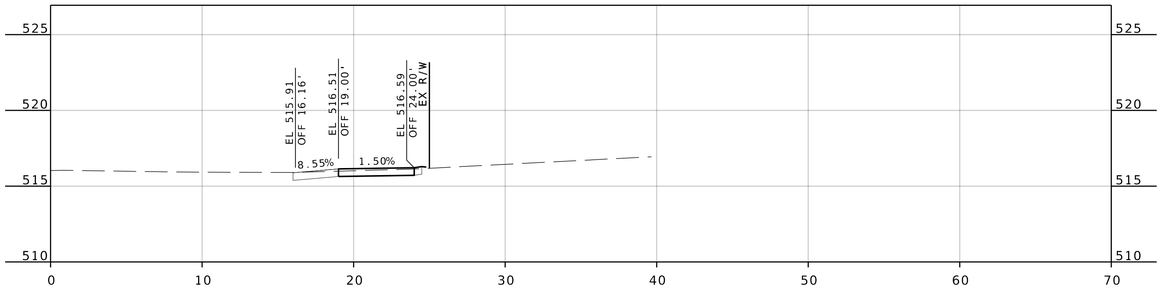
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M. SCHNEIDER

DRAWN:
M. SCHNEIDER

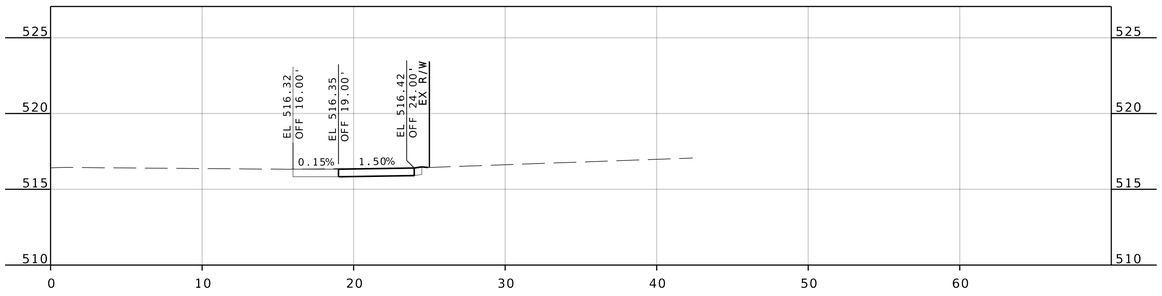
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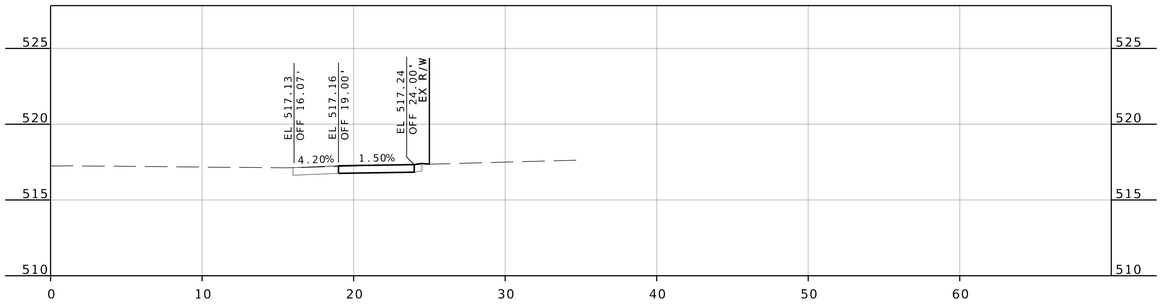
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STA 145+40.91
770 MULLANPHY ROAD



STA 144+98.99
790 MULLANPHY ROAD



STA 143+90.55
800 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

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STATE OF MISSOURI
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PROFESSIONAL ENGINEER

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MO PE-2018021250

DATE: 4/21/2026

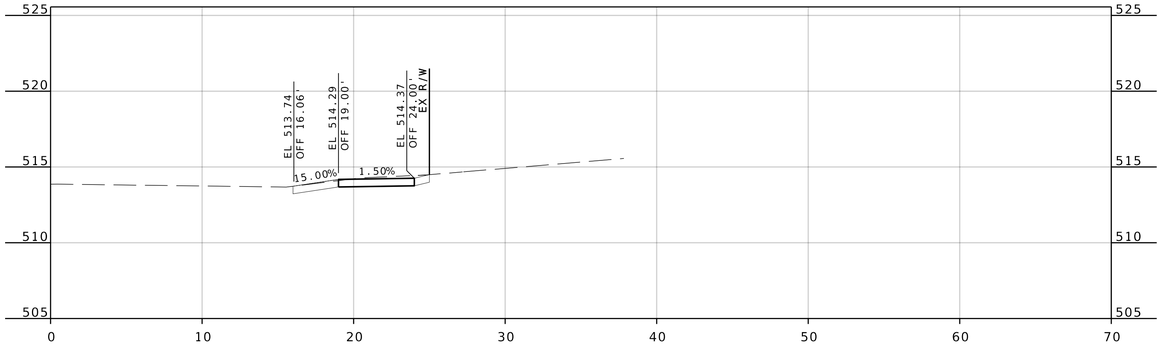
PREPARED BY:
HRGreen
320 MARKVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
(314) 878-6100 FAX (314) 878-6107 WWW.HRGREEN.COM
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

MULLANPHY ROAD RESURFACING

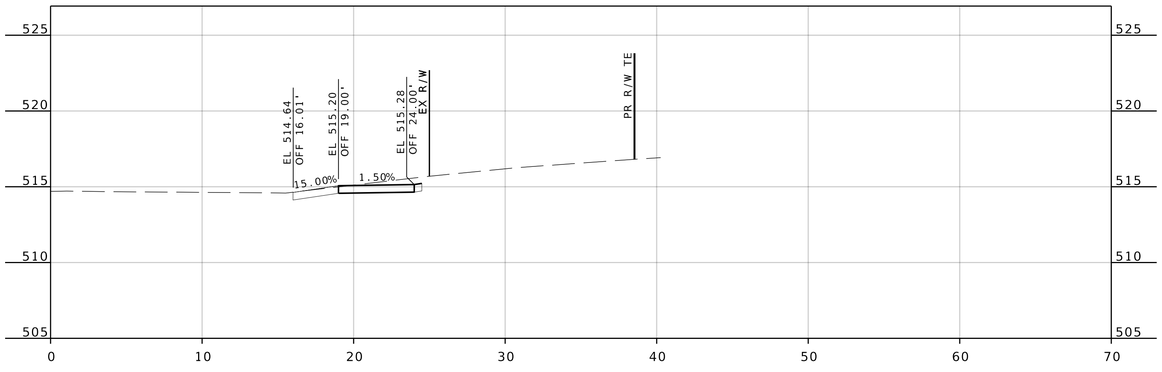
DRIVEWAY CROSS SECTIONS (SHEET 10 OF 14)

DESIGNED: M. SCHNEIDER
DRAWN: M. SCHNEIDER
CHECKED: A. DAVIS
SHEET SEQUENCE: 93 OF 97

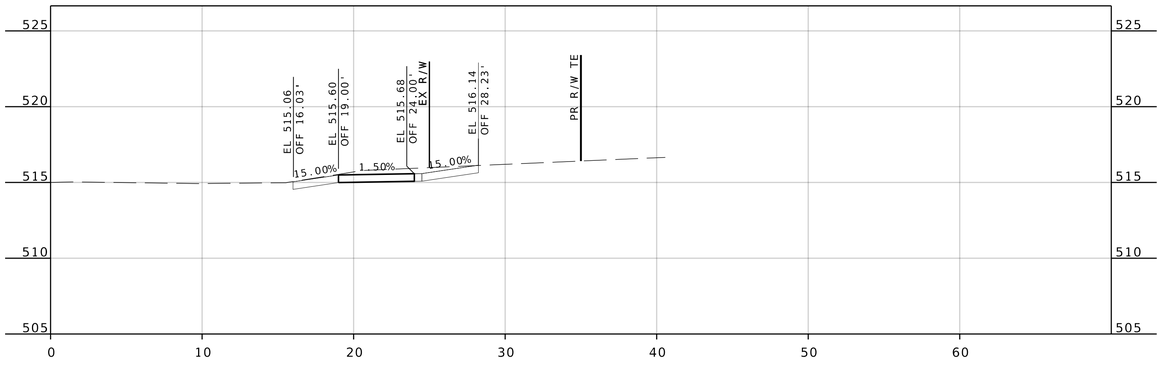
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STA 147+99.70
730 MULLANPHY ROAD



STA 146+91.21
740 MULLANPHY ROAD



STA 146+47.89
760 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
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MSD BASE MAP:
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STATE OF MISSOURI
ANDREA S. DAVIS
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PROFESSIONAL ENGINEER

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Andrea S. Davis - Civil
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PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Pleurissant 1786 Est. City of Florissant

MULLANPHY ROAD RESURFACING

DRIVEWAY CROSS SECTIONS (SHEET 11 OF 14)

DESIGNED:
M. SCHNEIDER

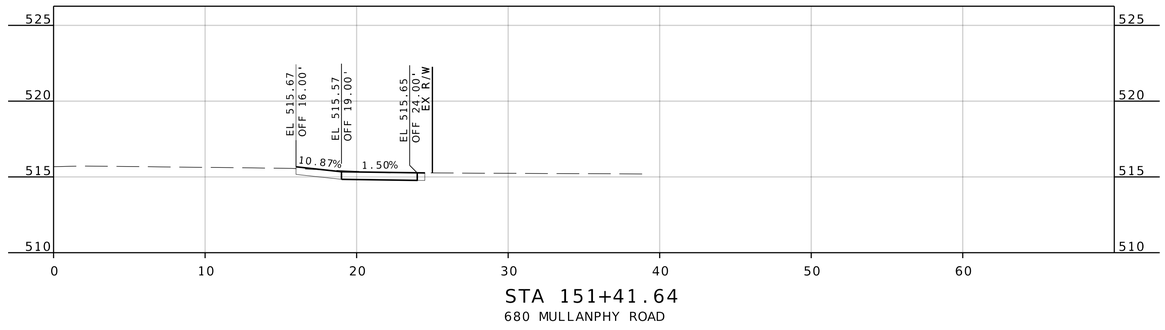
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CHECKED:
A. DAVIS

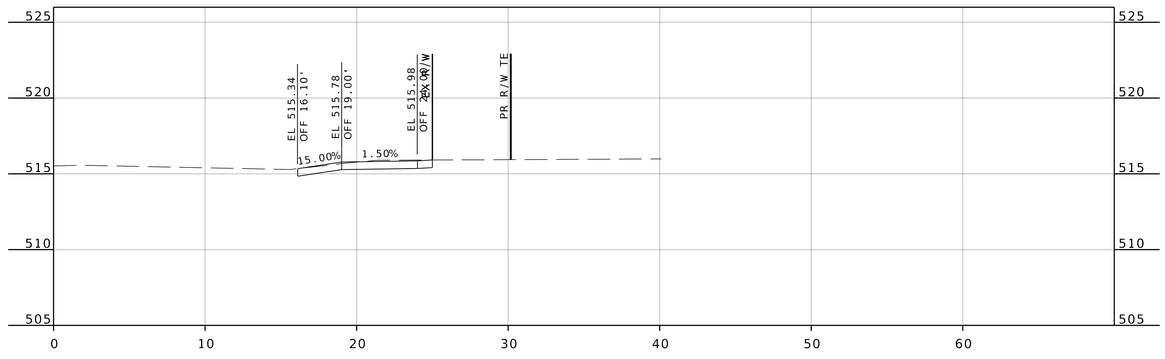
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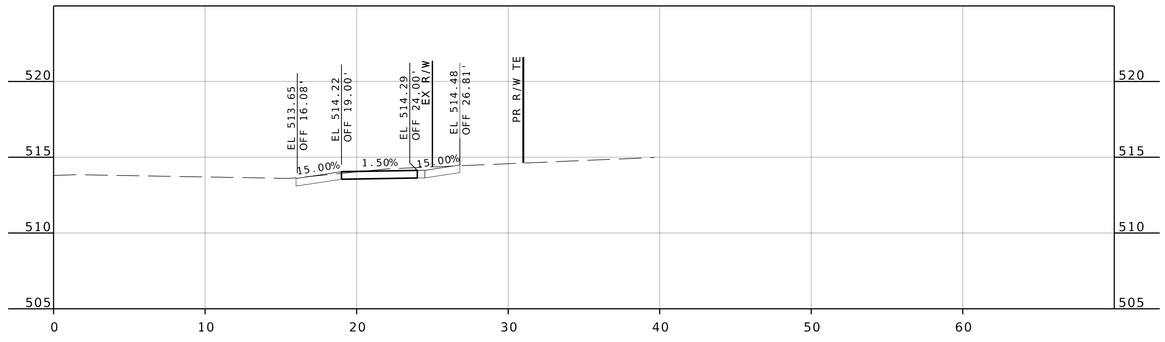
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STA 151+41.64
680 MULLANPHY ROAD



STA 150+95.39
680 MULLANPHY ROAD



STA 148+41.69
720 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

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4/21/2026

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LICENSE NO. 2018021250

MULLANPHY ROAD
RESURFACING

DRIVEWAY
CROSS SECTIONS
(SHEET 12 OF 14)

DESIGNED:
M. SCHNEIDER

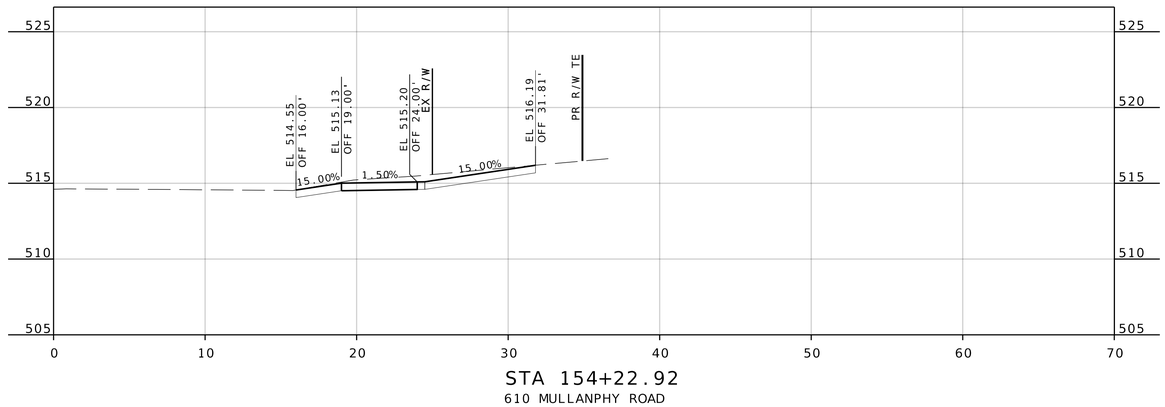
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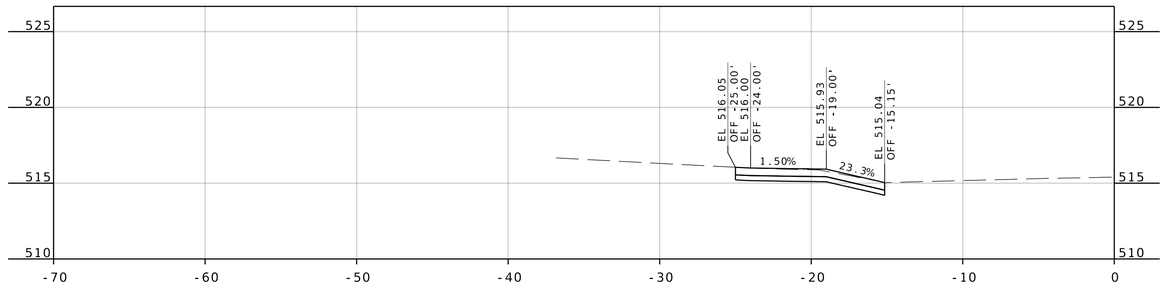
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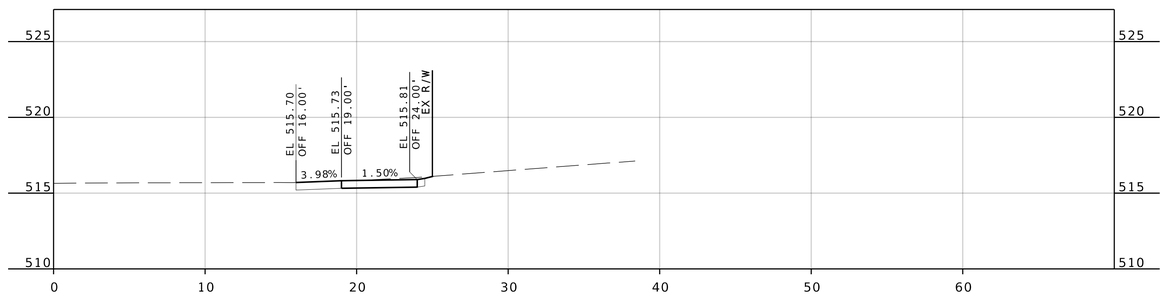
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STA 154+22.92
610 MULLANPHY ROAD



STA 152+89.85
635 MULLANPHY ROAD



STA 152+08.99
650 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

MSD:
24MSD-00286

MSD BASE MAP:
07J, 07K

REVISIONS

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STATE OF MISSOURI
ANDREA S. DAVIS
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PROFESSIONAL ENGINEER

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MO PE-2018021250

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PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

City of Florissant
St. Ferdinand de Fleurissant
1786
Est.

MULLANPHY ROAD
RESURFACING

DRIVEWAY
CROSS SECTIONS
(SHEET 13 OF 14)

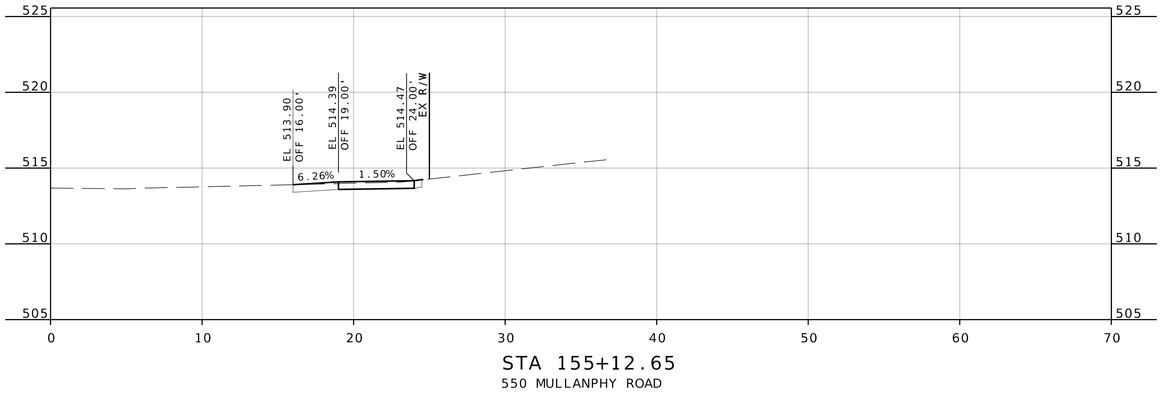
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A. DAVIS

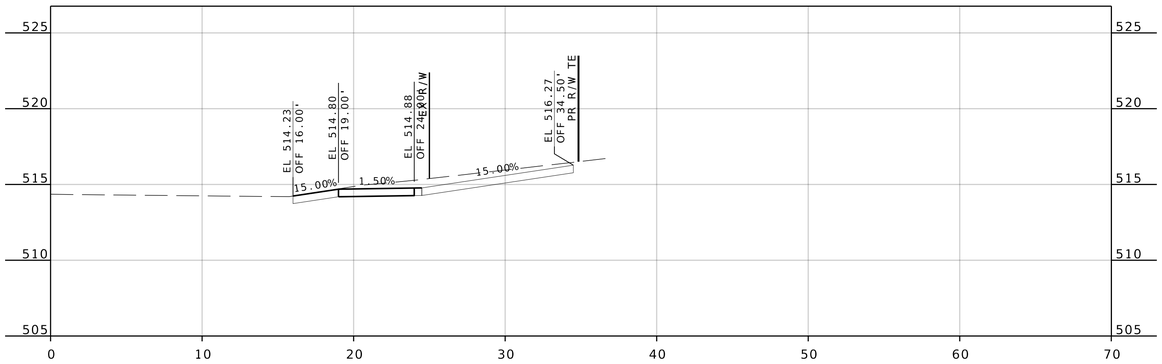
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96 OF 97

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STA 155+12.65

550 MULLANPHY ROAD



STA 154+49.26

580 MULLANPHY ROAD

COUNTY PROJECT NO.
2302483

FEDERAL PROJECT NO.
STP-4901(650)

E-W GATEWAY TIP NO.
7181-23, 7236-23

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24MSD-00286

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STATE OF MISSOURI
ANDREA S. DAVIS
PE-2018021250
PROFESSIONAL ENGINEER

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Andrea S. Davis - Civil
MO PE-2018021250

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4/21/2026

PREPARED BY:
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120 MARYVILLE CENTRE DRIVE, STE. 100, ST. LOUIS, MO 63141
PHONE: (314) 579-0400 FAX: (314) 579-0401
ANDREA S. DAVIS
PROFESSIONAL ENGINEER
LICENSE NO. 2018021250

St. Ferdinand de Fleurissant Est. 1786 City of Florissant

MULLANPHY ROAD
RESURFACING

DRIVEWAY
CROSS SECTIONS
(SHEET 14 OF 14)

DESIGNED:
M. SCHNEIDER

DRAWN:
M. SCHNEIDER

CHECKED:
A. DAVIS

SHEET SEQUENCE:
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STP-4901(650)

City of Florissant, Missouri
955 St. Francois Street
Florissant, MO 63031

REQUEST FOR BID

BID OF

Bidder Name_____

Bidder Address_____

_____

FOR
MULLANPHY ROAD RESURFACING

Mullanphy Road from Shackelford Road to Patterson Road

STP-4901(650)
City of Florissant, St. Louis County

CITY OF FLORISSANT – MULLANPHY ROAD RESURFACING
STP-4901(650)

INVITATION FOR BIDS

Electronic submissions will be received by the City of Florissant's Engineering Division until **10:00 AM CST** on **Wednesday, September 9th, 2026**, at which time, bids will be publicly opened and read aloud at Florissant City Hall's 1st Floor Conference Room at 955 Rue St Francois, Florissant, MO 63031. Electronic submissions will be received through the City's e-Procurement Portal, OpenGov: https://procurement.opengov.com/portal/florissantmo

Bidders shall create a FREE account with OpenGov Procurement by signing up at https://procurement.opengov.com/signup. Once you have completed account registration, navigate to the City of Florissant portal, click on "Submit Response", and follow the instructions to submit the electronic bid.

The proposed Scope of Work includes grading, sidewalk installation, pavement repair, mill and overlay, entrance reconstruction, and storm sewer improvements.

Bid packages are available for download from the City of Florissant Procurement Portal website at: https://www.florissantmo.com/290/Current-Bid-Opportunities

A pre-bid conference will be held at **10:00 AM CST** on **Wednesday, September 2nd, 2026**, at 955 St. Francois Street, Florissant, Missouri, 63031. **All bidders are encouraged to attend the pre-bid meeting.**

Any questions regarding this bid must be presented in writing and posted directly on the OpenGov Procurement Project question section. Questions will not be answered outside of the OpenGov platform to ensure equal opportunity for all interested parties. The cut-off date for questions is **10:00 AM CST** on **Wednesday, September 2nd, 2026**.

All labor used in the construction of this public improvement shall be paid a wage no less than the prevailing hourly rate of wages of work of a similar character in this locality as established by the Department of Labor and Industrial Relations (Federal Wage Rate), or state wage rate, whichever is higher.

The City of Florissant is a tax-exempt entity. A project exemption certificate will be supplied to the successful contractor.

The City of Florissant hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, businesses owned and controlled by socially and economically disadvantaged individuals will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, religion, creed, sex, age, ancestry, or national origin in consideration for an award.

All bidders must be on MoDOT's Qualified Contractor List per Section 102.2 from the current version of the Missouri Standard Specifications for Highway Construction, including all revisions. The contractor questionnaire must be on file 7 days prior to bid opening

Contractors and sub-contractors who sign a contract to work on public works project provide a 10-Hour OSHA construction safety program, or similar program approved by the Department of Labor and Industrial Relations, to be completed by their on-site employees within sixty (60) days of beginning work on the construction project.

A certified or cashier's check or a bid bond in the amount of 5% shall be submitted with each proposal.

The DBE Goal for this letting is **0%** of the total contract amount.

The City of Florissant shall award based on the lowest, responsive, responsible bidder. The City of Florissant reserves the right to reject any or all bids.

CITY OF FLORISSANT – MULLANPHY ROAD RESURFACING
STP-4901(650)

BIDDER CHECKLIST
FINAL CHECKLIST BEFORE SUBMITTING BID

o 1. Submit completed Contractor Questionnaire and/or Contractor Prequalification Questionnaire with attachments not later than seven (7) days prior to the date and hour of the bid opening. See Secs 101-103 of the Standard Specifications, and Rule 7 CSR 10-15.900, "Prequalifications to Bid of Certain Contractors". Questionnaire and Contact information are provided on MoDOT's website.

o 2. For submittal of paper bids, the complete set of bidding documents includes all information through the DBE forms (for DBE forms see #8). The Technical Specifications/Job Special Provisions are for the bidder's information only and is not to be returned with the bid.

o 3. Paper bids will not be accepted. All bids shall be submitted in electronic format to the City of Florissant's e-Procurement Portal, OpenGov: https://procurement.opengov.com/portal/florissantmo

o 4. Please read all items in the bidding document carefully. For paper bids, complete all items in ink or by typing in the information.

o 5. Sign this bidding document properly. If submitted in the name of a firm or corporation, the legal name of the firm or corporation should appear in the space designated, and be signed for by one or more persons legally qualified to execute papers in the name of said firm or corporation. Affix Corporate Seal if the Bidder is a Corporation.

o 6. For paper bids submit a bid bond executed by bidder and surety, or attach cashier's check to the bid bond form.

o 7. Submit the Bidder's List Quote Summary form with the bid.

o 8. Submit the DBE Submittal Forms within 3 business days of the Bid Opening. The DBE Identification Submittal Form (Page 2 of this document) must be submitted for each DBE to be utilized on the project. Any DBE's submitted as regular dealers/distributors must have an accompanying DBE Regular Dealer/Distributor Affirmation Form.

o 9. For paper bids, staple addenda to the bid in the appropriate part of the bid. The letter accompanying the addenda should be stapled to the inside of the back cover of the bid and returned. The bidder should retain a duplicate copy.

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Below is a list of common mistakes made by bidders leading to non-responsive bids. Please refer to the Standard Specifications for the appropriate procedures for completing and submitting a bid.

a) Not signing the bid
b) Not incorporating the addendum into the bidding documents, including attaching the letter to the bid
c) Not providing a bid bond
d) Using pencil to fill out the bid
e) Using white out to make corrections to the itemized bid sheets
f) Not initialing changes made

sssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssss

All questions concerning the bid document preparation can be directed to Joe Vrabel at 314.839.7643 or jvrabel@florissantmo.com. Project specific questions can be directed to Andi Davis at 636.812.4203 or andrea.davis@hrgreen.com.

Special Needs: If you have special needs addressed by the Americans with Disabilities Act, please notify Joe Vrabel at 314.839.7643 or through Missouri Relay System, TDD 1-800-735-2966, at least five (5) working days prior to the bid opening.

CITY OF FLORISSANT – MULLANPHY ROAD RESURFACING
STP-4901(650)

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- Period of Performance ..... (3)
- Liquidated Damages ..... (4)
- Bid Guaranty ..... (5)
- Certifications for Federal Jobs ..... (6)
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Applicable Federal Wage Rates

Applicable Environmental and Cultural Permits and Clearances

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CITY OF FLORISSANT – MULLANPHY ROAD RESURFACING
STP-4901(650)

NOTICE TO CONTRACTORS

Electronic submissions will be received by the City of Florissant's Engineering Division until **10:00 AM CST** on **Wednesday, September 9th, 2026**, at which time, bids will be publicly opened and read aloud at Florissant City Hall's 1st Floor Conference Room at 955 Rue St Francois, Florissant, MO 63031. Electronic submissions will be received through the City's e-Procurement Portal, OpenGov: https://procurement.opengov.com/portal/florissantmo

(1) PROPOSED WORK: The proposed work, hereinafter called the work, includes:

Grading, sidewalk installation, pavement repair, mill and overlay, entrance reconstruction, and storm sewer improvements.

(2) COMPLIANCE WITH CONTRACT PROVISIONS: The bidder, having examined and being familiar with the local conditions affecting the work, and with the contract, contract documents, including the current version of the St. Louis County Transportation and Public Works Department's "Standard Specifications for Road and Bridge Construction," their revisions, and the request for bid, including appendices, the special provisions and plans, hereby proposes to furnish all labor, materials, equipment, services, etc., required for the performance and completion of the work. All references are to the Standard Specifications for Road and Bridge Construction, as revised, unless otherwise noted.

The Standard Specifications for Road and Bridge Construction are available at St. Louis County's web page at https://stlouiscountymo.gov/st-louis-county-departments/transportation-and-public-works/roadway-publications-and-manuals/. The effective version shall be determined by the letting date of the project.

These supplemental bidding documents contain all current revisions to the bound printed versions and have important legal consequences. It shall be conclusively presumed that they are in the bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

The contracting authority for this contract is the City of Florissant.

(3) PERIOD OF PERFORMANCE: If the bid is accepted, the bidder agrees that work shall be diligently prosecuted at such rate and in such manner as, in the judgment of the engineer, is necessary for the completion of the work within the time specified as follows in accordance with Sec 108 of the Missouri Standard Specifications for Highway Construction:

Working Days: 100
Completion Date: May 14th, 2027

(4) LIQUIDATED DAMAGES: The bidder agrees that, should the bidder fail to complete the work in the time specified or such additional time as may be allowed by the engineer under the contract, the amount of liquidated damages to be recovered in accordance with Sec 108 of the Missouri Standard Specifications for Highway Construction shall be as follows:

Liquidated damages per day $1,100

(5) BID GUARANTY: The bidder shall submit a Bid Guaranty meeting the requirements of Section 102 of the Missouri Standard Specifications for Highway Construction. A sample project bid bond form is included in the bid book. The bidder shall mark the box below to identify the type of Bid Guaranty.

¨ Paper Bid Bond
¨ Cashier's Check

(6) CERTIFICATIONS FOR FEDERAL JOBS: By signing and submitting this bid, the bidder makes the certifications appearing in Sec 102.18.1 (regarding affirmative action and equal opportunity), Sec.

102.18.2 (regarding disbarment, eligibility, indictments, convictions, or civil judgments), Sec. 102.18.3 (regarding anti-collusion), and Sec. 102.18.4 (regarding lobbying activities) of the Missouri Standard Specifications for Highway Construction. Any necessary documentation is to accompany the bid submission, as required by these sections. As provided in Sec. 108.13 of the Missouri Standard Specifications for Highway Construction, the contracting authority may terminate the contract for acts of misconduct, which includes but is not limited to fraud, dishonesty, and material misrepresentation or omission of fact within the bid submission.

(7) ANTIDISCRIMINATION: The Contracting Authority hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, businesses owned and controlled by socially and economically disadvantaged individuals will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, religion, creed, sex, age, ancestry, or national origin in consideration for an award.

(8) FEDERAL AND STATE INSPECTION: The Federal Government is participating in the cost of construction of this project. All applicable Federal laws, and the regulations made pursuant to such laws, shall be observed by the contractor, and the work will be subject to the inspection of the appropriate State or Federal Agency in the same manner as provided in Sec 105.10 of the Missouri Standard Specifications for Highway Construction with all revisions applicable to this bid and contract.

(9) PREVAILING WAGE (FEDERAL AND STATE): This contract requires payment of the prevailing hourly rate of wages for each craft or type of work required to execute the contract as determined by the Missouri Department of Labor and Industrial Relations, and requires adherence to a schedule of minimum wages as determined by the United States Department of Labor. For work performed anywhere on this project, the contractor and the contractor's subcontractors shall pay the higher of these two applicable wage rates. The applicable state wage rates for this contract are detailed in "Annual Wage Order No. 32", that is attached to this bidding document. The applicable federal wage rates for this contract are the effective Davis-Bacon federal wage rates posted the tenth day before the bid opening date and are attached herein.

These supplemental bidding documents have important legal consequences. It shall be conclusively presumed that they are in the bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

(10) WORKER ELIGIBILITY REQUIREMENTS: Execution of the construction contract for this project is dependent upon the awarded bidder providing an Affidavit of Compliance AND E-Verify Memorandum-of-Understanding (MOU) between the bidder and Department of Homeland Security to the Contracting Authority as required by section 285.530 RSMo. The cover page and signature page of the E-Verify MOU and the Affidavit must be submitted prior to award of this contract.

A sample Affidavit of Compliance can be found at the Missouri Attorney General's website at the following link:

http://ago.mo.gov/forms/Affidavit_of_Compliance.pdf

All bidders must also be enrolled in the E-Verify Program, and include their MOU prior to contract execution. Bidders who are not enrolled will need to go to the following website link and select "Enroll in the Program" to get started. After completing the program, they will receive their E-Verify MOU with Department of Homeland Security. This document will need to be printed out and kept on file so that a copy can be attached to the Affidavit of Compliance.

http://www.dhs.gov/files/programs/gc_1185221678150.shtm

This requirement also applies to subcontractors and contract labor, but this contract only requires submittal of the verification documents for the prime contractor. It is the prime contractor's responsibility to verify the worker eligibility of their subcontractors in order to protect their own company from liability as required by section 285.530 RSMo.

(11) OSHA TEN HOUR TRAINING REQUIREMENTS: Missouri Law, 292.675 RSMO, requires any awarded contractor and its subcontractor(s) to provide a ten-hour Occupational Safety and Health Administration (OSHA) Construction Safety Program (or a similar program approved by the Missouri Department of Labor and Industrial Relations as a qualified substitute) for their on-site employees (laborers, workmen, drivers, equipment operators, and craftsmen) who have not previously completed such a program and are directly engaged in actual construction of the improvement (or working at a nearby or adjacent facility used for construction of the improvement). The awarded contractor and its subcontractor(s) shall require all such employees to complete this ten-hour program, pursuant to 292.675 RSMO, unless they hold documentation on their prior completion of said program. Penalties, for Non-Compliance include contractor forfeiture to the Contracting Authority in the amount of $2,500, plus $100 per contractor and subcontractor employee for each calendar day such employee is employed beyond the elapsed time period for required program completion under 292.675 RSMO.

(12) BUY AMERICA REQUIREMENTS: Construction contracts shall assure compliance with Section 165 of the Surface Transportation Assistance Act of 1982, Section 337 of the Surface Transportation and Uniform Relocation Assistance Act of 1987, 23 CFR 635.410, and the Bipartisan Infrastructure Law (2021) Build America, Buy America Act Publication L. No. 117-58 regarding Buy America provisions on the procurement of foreign products and materials. On all contracts involving Federal-aid, all products of iron, steel, or a coating of steel which are incorporated into the work must have been manufactured in the United States. Construction materials consisting primarily of non-ferrous metals, plastic and polymer-based products, glass, lumber, or drywall also require Buy America certification. Cement and cementitious materials; aggregates such as stone, sand, or gravel; or aggregate binding agents or additives are excluded from this requirement. In addition, manufactured products are currently exempted under the 1983 waiver from FHWA. The Contracting Authority may allow minimal amounts of these materials from foreign sources, provided the cost does not exceed 0.1 percent of the contract sum or $2,500, whichever is greater. The Contractor certifies that these materials are of domestic origin. Additional information regarding the “Buy America” requirements can be found at:

https://www.fhwa.dot.gov/construction/cqit/buyam.cfm

(13) ADDENDUM ACKNOWLEDGEMENT: The undersigned states that the all addenda (if applicable) have been received, acknowledged and incorporated into their bid, prior to submittal. For paper bids, staple addenda to the bid in the appropriate part of the bid.

(14) SIGNATURE AND IDENTITY OF BIDDER: The undersigned states that the following provided information is correct and that (if not signing with the intention to bind themselves to become the responsible and sole bidder) they are the agent of, and they are signing and executing this, as the bid of

_____,
which is the correct LEGAL NAME as stated on the contractor questionnaire.

a) The organization submitting this bid is a(n) (1) individual bidder, (2) partnership, (3) joint venturer (whether individuals or corporations, and whether doing business under a fictitious name), or (4) corporation. Indicate by marking the appropriate box below.

☐ sole individual ☐ partnership ☐ joint venture

☐corporation, incorporated under laws of state of _____.

b) If the bidder is doing business under a fictitious name, indicate below by filling in the fictitious name

_____

Executed by bidder this _____ day of _____ 20____.

THE BIDDER CERTIFIES THAT THE BIDDER AND ITS OFFICIALS, AGENTS, AND EMPLOYEES HAVE NEITHER DIRECTLY NOR INDIRECTLY ENTERED INTO ANY AGREEMENT, PARTICIPATED IN ANY COLLUSION, OR OTHERWISE TAKEN ANY ACTION IN RESTRAINT OF FREE COMPETITIVE BIDDING IN CONNECTION WITH THIS BID, AND THAT THE BIDDER INTENDS TO PERFORM THE WORK WITH ITS OWN BONAFIDE EMPLOYEES AND SUBCONTRACTORS, AND DID NOT BID FOR THE BENEFIT OF ANOTHER CONTRACTOR.

THE BIDDER ACKNOWLEDGES THAT THIS IS AN UNSWORN DECLARATION, EXECUTED UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE UNITED STATES AND/OR FALSE DECLARATION UNDER THE LAWS OF MISSOURI, AND ANY OTHER APPLICABLE STATE OR FEDERAL LAWS. THE FAILURE TO PROVIDE THIS CERTIFICATION IN THIS BID MAY MAKE THIS BID NON-RESPONSIVE, AND CAUSE IT TO BE REJECTED.

THE BIDDER CERTIFIES THAT THE BIDDER'S COMPANY KNOWINGLY EMPLOYS ONLY INDIVIDUALS WHO ARE AUTHORIZED TO WORK IN THE UNITED STATES IN ACCORDANCE WITH APPLICABLE FEDERAL AND STATE LAWS AND ALL PROVISIONS OF MISSOURI EXECUTIVE ORDER NO. 07-13 FOR CONTRACTS WITH THE CONTRACTING AUTHORITY.

☐ Check this box ONLY if the bidder REFUSES to make any or all of these certifications. The bidder may provide an explanation for the refusal(s) with this submittal.

_____
Signature of Bidder's Owner, Officer, Partner or Authorized Agent

_____
Please print or type name and title of person signing here

Attest:

_____
Secretary of Corporation if Bidder is a Corporation

Affix Corporate Seal (If Bidder is a Corporation)

NOTE: If bidder is doing business under a fictitious name, the bid shall be executed in the legal name of the individual, partners, joint ventures, or corporation, and registration of fictitious name filed with the secretary of state, as required by sections 417.200 to 417.230 RSMo. If the bidder is a corporation not organized under the laws of Missouri, it shall procure a certificate of authority to do business in Missouri, as required by section 351.572 et seq RSMo. A certified copy of such registration of fictitious name or certificate of authority to do business in Missouri shall be filed with the Missouri Highways and Transportation Commission, as required by the standard specifications.

(15) **TRAINEES**: By submitting this bid, the bidder certifies that the bidder is familiar with the Training Provision in the Missouri Highways and Transportation Commission's "General Provisions and Supplement Specifications" which are available on the Missouri Department of Transportation web page at www.modot.mo.gov under "Business with MoDOT" "Standards and Specifications". The number of trainee hours provided under this contract will be **0 slots** at 1000 hours per slot or **0 hours**.

(16) **SUBCONTRACTOR DISCLOSURE:** Requirements contained within Sec 102.7.8 of the Missouri Standard Specification for Highway Construction shall be waived for this contract.

(17) **PROJECT AWARD:** This project will be awarded to the lowest, responsive, responsible bidder.

(18) **MATERIALS INSPECTIONS**: All technicians who perform, or are required by the FHWA to witness, such sampling and testing shall be deemed as qualified by virtue of successfully completing the requirements of EPG 106.18 Technician Certification Program, for that specific technical area.

(19) PRIME CONTRACTOR REQUIREMENTS: The limitation in Sec 108.1.1 of the Missouri Standard Specifications for Highway Construction that "the contractor's organization shall perform work amounting to not less than 40 percent of the total contract cost" is waived for this contract. Instead, the less restrictive terms of the Federal Highway Administration's rule at Title 23 Code of Federal Regulations (CFR) § 635.116(a) shall apply, so that the contractor must perform project work with its own organization equal to and not less than 30 percent of the total original contract price. All other provisions in Sec 108.1.1 et seq. of the Missouri Standard Specifications for Highway Construction shall remain in full force and effect, and shall continue to govern the contractor and its subcontractors, in accordance with the provisions of Title 23 CFR § 635.116.

CITY OF FLORISSANT – MULLANPHY ROAD RESURFACING
STP-4901(650)

ITEMIZED BID: The bidder proposes to furnish all labor, materials, equipment, services, etc. required for the performance and completion of the work, as follows:

BID FORM

ITEM NO.	JSP	DESCRIPTION	UNIT	PARTICIPATING ITEMS		
				QUANTITY	UNIT COST	EXTENSION
ROADWAY ITEMS						
201-20.10		CLEARING AND GRUBBING	LS	1		
201-20.11	R	CLEARING VEGETATION FROM PEDESTRIAN ACCESS ROUTE	LS	1		
202-20.10	K	REMOVAL OF IMPROVEMENTS	LS	1		
207-20.00		LINEAR GRADING, CLASS 2	STA	44.9		
304-05.04		TYPE 5 AGGREGATE BASE (4" THICK)	SY	431		
405-30.10		TYPE "C" BITUMINOUS CONCRETE (PAVEMENT)	TON	2776.8		
405-30.25	O	ASPHALT PAVEMENT REPAIR, (FULL DEPTH)	SY	476.6		
405-30.30		TYPE "X" BITUMINOUS CONCRETE (BASE)	TON	3.4		
407-10.10		TACK-LIQUID ASPHALT	GAL	1710		
412-10.02		PAVEMENT SURFACING AND TEXTURING (0" TO 2"), CONCRETE OR ASPHALT	SY	17095		
502-11.06		CONCRETE PAVEMENT (6" NON-REINFORCED)	SY	165.1		
502-11.07		CONCRETE PAVEMENT (7" NON-REINFORCED)	SY	316.0		
604-12.01	X	SINGLE CURB INLET, UNTRAPPED	EA	2		
604-20.20	X	ADJUSTING BASIN OR INLET	EA	4		
604-20.26	X	ADJUST GRATE INLET TO GRADE	EA	14		
604-20.30	X	ADJUSTING MANHOLE TO GRADE	EA	12		
604-25.40	X	CONVERT INLET TO MANHOLE AND ADJUST TO GRADE	EA	2		
608-50.06		PAVED DRIVEWAY APPROACH (6" THICK)	SY	685.9		
609-10.10		CONCRETE CURB, TYPE "S"	LF	693		
609-20.11		INTEGRAL CURB (6" HEIGHT AND UNDER)	LF	319		
612-30.15	L	TEMPORARY TRAFFIC CONTROL	LS	1		
619-00.00		MOBILIZATION	LS	1		
622-10.00		TEMPORARY PAVEMENT MARKING PAINT	LS	1		
627-40.00	J	CONTRACTOR FURNISHED SURVEYING & STAKING	LS	1		
703-90.10	Y	MODULAR BLOCK WALL (H<4')	SF	79		
803-10.00	BB	SODDING	SY	1556		
805-40.00		SITE RESTORATION (ROADWAY PROJECTS)	LS	1		
806-45.10		INLET PROTECTION DEVICE, SINGLE UNIT - GRAVEL FILTER BAG	EA	29		
806-45.13		INLET PROTECTION DEVICE, DOUBLE UNIT - GRAVEL FILTER BAG	EA	4		
806-70.00		SILT FENCE	LF	300		
					SUBTOTAL - ROADWAY ITEMS	

CITY OF FLORISSANT – MULLANPHY ROAD RESURFACING
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BID FORM (CONTINUED)

STRIPING ITEMS						
620-60.00D	EE	4 IN. WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL TYPE P BEADS)	LF	4215		
620-60.01D	EE	4 IN. YELLOW CLASS 1 PAVEMENT MARKING PAINT (18-MIL TYPE P BEADS)	LF	2061		
620-00.15	EE	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN., WHITE	LF	217		
					SUBTOTAL - STRIPING ITEMS	
SIGNING ITEMS						
903-12.50A	DD	U-CHANNEL POST, 3 LB	LF	651.5		
903-50.04A	DD	SH-FLAT SHEET	SF	288.4		
					SUBTOTAL - SIGNING ITEMS	
PEDESTRIAN ITEMS						
608-60.04		CONCRETE SIDEWALK (4" THICK)	SY	2564.2		
608-60.08		CONRETE SIDEWALK, CURB RAMP	EACH	41		
					SUBTOTAL - PEDESTRIAN ITEMS	
PROJECT TOTAL BID (BASE BID) NUMBERS:						
PROJECT TOTAL BID (BASE BID) WRITTEN:						

SAMPLE BID BOND

BID BOND

KNOW ALL PERSONS BY THESE PRESENTS, that we _____
_____
as principal and _____
as surety, are held and firmly bound unto the City of Florissant, Missouri in the penal sum of_____ Dollars ($) to be paid to the City to be credited to the local road fund, the principal and surety binding themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

Sealed with our seals and dated this _____

THE CONDITION OF THIS OBLIGATION is such that

WHEREAS the principal is submitting herewith a bid to the City of Florissant on route(s) _____
_____
in St. Louis County, for project (s) _____
_____
for construction or improvement of state highway as set out in said bid;

NOW THEREFORE, if the City shall accept the bid of the principal and if the principal shall properly execute and deliver to the City the contract, contract bond, and evidence of insurance coverage in compliance with the requirements of the bid, the specifications, and the provisions of section 227.100 RSMo, to the satisfaction of the City, then this obligation shall be void and of no effect, otherwise to remain in full force and effect.

In the event the said principal shall, in the judgment of the City, fail to comply with any requirement as set forth in the preceding paragraph, then the City of Florissant, acting by and through the City, shall immediately and forthwith be entitled to recover the full penal sum above set out, together with court costs, attorney's fees, and any other expense of recovery.

The principal and surety hereby certify that the document is the original or a verbatim copy of the bid bond form furnished by the City, in accordance with Sec 102.9 of the Missouri Standard Specifications for Highway Construction.

_____
Principal

SEAL By_____
Signature

_____
Surety

SEAL By_____
Signature of Attorney in Fact

NOTE: This bond must be executed by the principal, and by a corporate surety authorized to conduct surety business in the state of Missouri.

CITY OF FLORISSANT – MULLANPHY ROAD RESURFACING
STP-4901(650)

Project No. _____

Bidder's List Quote Summary

MoDOT and its subrecipients are recipients of federal funds and are required by 49 CFR 26.11, to provide data about its DBE program. The information listed below shall include the names of subcontractors, material suppliers, and service providers (e.g. hauling) and the corresponding NAICS codes for each firm, which may be obtained by using the search function at the following link: https://www.census.gov/naics/. Lastly, indicate if the firm's quote was used in the bid by Y or N. Additional sheets may be used. This information must be submitted with the bid.

Subcontractors, Material Suppliers, and Service Providers (e.g. Hauling) Used & Quoted	NAICS Code(s)	Used (Y/N)

Contractor Name: _____

Contractor Signature: _____ **Date: _____**

CITY OF FLORISSANT – MULLANPHY ROAD RESURFACING
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DBE Submittal Forms - LPA

(6) **DBE Submittal Forms**: This form must be submitted by 4 p.m. three (3) business days after bid opening. You may also use the Excel version located at:
https://epg.modot.org/forms/CM/DBE_Identification_Submittal_Form_LPA_Excel.xlsm

(A) DBE Contract Goal: By submitting this bid, the bidder certifies that the bidder is familiar with the DBE Program Requirements in this contract. The contract DBE goal for the amount of work to be awarded is 0% of the total federal project price. The bidder shall also complete the DBE Submittal Form in accordance with the program requirements.

(B) DBE Participation: The bidder certifies that it will utilize DBE's as follows:

0% OF TOTAL FEDERAL CONTRACT

NOTE: Bidder must fill in the above blank. If no percentage is specified, the bidder certifies that it agrees to, and will comply with the contract goal. If a percentage below the contract goal is specified, then the bidder must submit complete documentation of good faith efforts to meet the DBE contract goal, immediately below.

(C) Certification of Good Faith Efforts to Obtain DBE Participation: By submitting its signed bid, the bidder certifies under penalty of perjury and other provisions of law, that the bidder took each of the following steps to try to obtain sufficient DBE participation to achieve the Commission's proposed DBE Contract Goal: (Attach additional sheets if necessary).

CITY OF FLORISSANT – MULLANPHY ROAD RESURFACING
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DBE Identification Submittal Form

(For Local Program Agency (LPA) Projects)

Job Number: _____

Route: _____ County: _____

Prime Contractor: _____ Contract Amount: _____

Identification of Participating DBE's: Provide the requested information below for each DBE participating on the project. Submit this information with your bid or no later than 4:00 p.m. on the 3rd business day after the bid opening. Contact MoDOT's Business Development and Compliance (BDC) Division at (573) 526-2978 for questions and assistance on completion. **This page of this document must be received for each DBE utilized on the project. A DBE Regular Dealer/Distributor Affirmation Form is required for each DBE firm submitted as a regular dealer or distributor.**

All information must be provided.

If awarded the contract for this project, the undersigned will use the following DBE to perform or furnish the work, supplies, and/or services as shown below:

DBE Name: _____ Address: _____

(A) Line No.	(B) Dollar Value of DBE Work** (Unit Price x Quantity of the Item in (A), or Lump Sum)	(C) Dollar value applicable to DBE Goal** (40%, 60%, 100%)	(D) Dollar amount applicable to DBE Goal (B x C)	(E) Percent of total contract amount for line item (D / total contract amount)
		DBE Total:		**Total %**

**Cannot exceed contract amount for given item of work
Trucking services credited at 100% if the DBE owns the trucks or is leasing from a DBE firm
Allowed amount of participation will be in accordance with 49 CFR Part 26.
Supplier Affirmation Form required for all DBE firms submitted as suppliers.
Brokered services will only receive credit for fees.

Respectfully submitted:

_____ _____
Company Name (Prime Contractor) Name / Title

_____
Signed (Prime Contractor)

Form BDC-101 (Rev. 01/2025)

Instructions for Completing the DBE Identification Submittal Form

(For Local Program Agency (LPA) Projects)

(BDC-101)

Submit this form with your bid or as outlined on front of page no later than 4:00 p.m. on the 3rd working day after the bid opening. Only DBE's listed in MoDOT's Missouri Regional Certification Committee (**MRCC**) directory may be used towards obtaining the DBE goal on the project. DBE firm must be certified with the appropriate North American Industrial Classification System (**NAICS**) code for the type of work being utilized to perform. The MRCC directory is available at the following link under the MRCC Directory tab: https://www.modot.org/welcome-business-development-and-compliance.

(A) Insert Bid Line Item in the same order as it appears in the bid document.

(B) Insert the result from multiplying the unit price for the bid line item by the quantities listed in column (A); a lump sum, if applicable, may also be inserted.

(C) Insert the percentage of column (B) that the DBE will perform. If the DBE is a distributor as that term is defined in 49 CFR Part 26.55, then only 40% of the value in column (B) can be applied towards the contract specific goal. If the DBE is a supplier as that term is defined in 49 CFR Part 26.55, then only 60% of the value in column (B) can be applied towards the contract specific goal. **A Supplier Affirmation Form is required for each DBE firm submitted as a supplier. A copy of this form is provided on the next page.** If the DBE is furnishing and installing the line item, then 100% of the value can be applied.

(D) Insert the result from dividing columns (B) and (C).

(E) Insert the result from dividing column (D) from the total bid line item amount.

U.S. Department of Transportation

DBE Regular Dealer/Distributor Affirmation Form

Bidder Name:

Contract Name/Number:

Sections 26.53(c)(1) of Title 49 Code of Federal Regulations requires recipients to make a preliminary counting determination for each DBE listed as a regular dealer or distributor to assess its eligibility for 60 or 40 percent credit, respectively, of the cost of materials and supplies based on its demonstrated capacity and intent to perform as a regular dealer or distributor, as defined in section 26.55(e)(2)(iv)(A),(B),(C), and (3) under the contract at issue. The regulation requires the recipient's preliminary determination to be made based on the DBE's written responses to relevant questions and its affirmation that its subsequent performance of a commercially useful function will be consistent with the preliminary counting of such participation. The U.S. Department of Transportation is providing this form as a tool for recipients, prime contractors, regular dealers, and distributors to use to carry out their respective responsibilities under this regulation. The form may be used by each DBE supplier whose participation is submitted by a bidder for regular dealer or distributor credit on a federally-assisted contract with a DBE participation goal. The form may also be used by prime contractors in connection with DBE regular dealer or distributor participation submitted after a contract has been awarded provided such participation is subject to the recipient's prior evaluation and approval. If this form is used, it should be accompanied by the bidder's commitment, contract, or purchase order showing the materials the DBE regular dealer or distributor is supplying. Use of this tool is not mandatory. If a recipient chooses a different method for complying with Section 26.53(c)(1), it must include that method in its DBE Program Plan.

DBE Name:

Total Subcontract/Purchase Order Amount:

Authorized DBE Representative (Name and Title):

NAICS Code(s) Related to the Items to be Sold/Leased:

1. Will all items sold or leased be provided from the on-hand inventory at your establishment? ☐ **YES** ☐ **NO**
(If "YES," you have indicated that your performance will satisfy the regular dealer requirements and may be counted at 60%. STOP here. Read and sign the affirmation below. If "NO" Continue.)

   a) Are you selling bulk items (e.g., petroleum products, steel, concrete, concrete products, sand, gravel, asphalt, etc.) or items not typically stocked due to their unique characteristics (aka specialty items)?
   ☐ **YES** ☐ **NO** **(If "YES," Go to Question 2. If "NO" Continue.)**

   b) Will at least 51% of the items you are selling be provided from the inventory maintained at your establishment, and will the minor quantities of items delivered from and by other sources be of the general character as those provided from your inventory?
   ☐ **YES** ☐ **NO*** **(If "YES," you have indicated that your performance will satisfy the regular dealer requirements and may be counted at 60%. STOP here. Read and sign the affirmation below.**

   ***If 1.,1.a), and 1. b) above are "NO," your performance on the whole will not satisfy the regular dealer requirements; therefore, only the value of items to be sold or leased from inventory can be counted at 60%. (Go to Question 3. to determine if the items delivered from and by other sources are eligible for Distributor credit.)**

2. Will you deliver all bulk or specialty items using distribution equipment you own (or under a long-term lease) and operate?
☐ **YES** ☐ **NO[1]**

(If "YES," you have indicated that your performance will satisfy the requirements for a regular dealer of bulk items and may be counted at 60%. STOP here. Read and sign the affirmation below.)

[1] If "NO," your performance will not satisfy the requirements for a regular dealer of bulk items; the value of items to be sold or leased cannot be counted at 60%. (Go to Question 3.)

3. Will the written terms of your purchase order or bill of lading from a third party transfer responsibility, including risk for loss or damage, to your company at the point of origin (e.g. a manufacture's facility) ? ☐ **YES[2]** ☐ **NO[3]**

   a) Will you be using sources **other than** the manufacturer (or other seller) to deliver or arrange delivery of the items sold or leased? ☐ **YES[2]** ☐ **NO[3]**

[2] If your responses to 3 and 3.a) are "YES," you have indicated that your performance will satisfy the requirements of a distributor; therefore, the value of items sold or leased may be counted at 40%.

[3] If you responded "NO" to either 3 or 3.a), counting of your participation is limited to the reasonable cost of fees or commissions charged, including transportation charges for the delivery of materials or supplies; the cost of materials or supplies may not be counted.

I affirm that the information that I provided above is true and correct and that my company's subsequent performance of a commercially useful function will be consistent with the above responses. I further affirm that my company will independently negotiate price, order specified quantities, and pay for the items listed in the bidder's commitment. This includes my company's responsibility for the quality of such items in terms of necessary repairs, exchanges, or processing of any warranty claims for damaged or defective materials.

Printed Name and Signature of DBE Owner/Authorized Representative:

The bidder acknowledges its responsibility for verifying the information provided by the DBE named above and ensuring that the counting of the DBE's participation is accurate. Any shortfall caused by errors in counting are the responsibility of the bidder.

Printed Name and Signature of Bidder's Authorized Representative:

DISADVANTAGED BUSINESS ENTERPRISE (DBE) PROGRAM REQUIREMENTS FOR LOCAL PROGRAMS

1.0 Program Applicability. The subsequent sections will apply only to contracts involving U.S. Department of Transportation (USDOT) federal-aid or federal funded participation. Federal-aid or federal funded participation includes, but is not limited to, any funds directly or indirectly received by MoDOT, or authorized for distribution to or through MoDOT, by the USDOT or any operating administration within the USDOT. These provisions will not apply to contracts funded exclusively with state funds, or state and local funds. Any contractor, subcontractor, supplier, DBE firm, and contract surety involved in the performance of a federal-aid contract shall be aware of and fully understand the terms and conditions of the USDOT DBE Program, as the terms appear in Title 49 CFR Part 26 (as amended), the USDOT DBE Program regulations; Title 7 CSR Division 10, Chapter 8 (as amended), and the Commission's DBE Program rules.

2.0 DBE Program Distinguished From Other Affirmative Action Programs. The USDOT DBE Program established by the U.S. Congress is not the same as, and does not involve or utilize, any of the elements or authority of other state or local affirmative action programs, nor does the program rely upon state legislation or gubernatorial executive orders for implementation or authorization, other than the general authority given the Commission in Section 226.150, RSMo. The USDOT DBE Program is implemented by the Commission and MoDOT, through and in conjunction with the FHWA, FTA and FAA, as a "recipient" defined in Title 49 CFR 26.5.

3.0 Policy Regarding DBE Firms. It is the policy of the U. S. Department of Transportation and MoDOT that businesses owned by socially and economically disadvantaged individuals have an opportunity to participate in the performance of contracts funded in whole or in part with federal funds. Consequently, the requirements of 49 CFR Part 26 (as amended) and the Commission's implementing state regulations in Title 7 CSR Division 10, Chapter 8, "Disadvantaged Business Enterprise Program", will apply to any contract funded in whole or part with federal funds.

4.0 Opportunity for DBEs to Participate. Each contractor, subcontractor and supplier working on a contract funded in whole or in part with federal funds shall take all necessary and reasonable steps to ensure that DBEs have an opportunity to compete for and participate in performance on project contracts and subcontracts in which a DBE goal is established.

5.0 Required Contract Provision. The federal-aid contract will include the following provision, as mandated by USDOT at Title 49 CFR 26.13(b):

(a) The contractor, subrecipient or subcontractor shall not discriminate based on race, color, religion, national origin, or sex in the performance of the contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of USDOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of the contract, which may result in the termination of the contract or such other remedy, as the recipient deems appropriate.

In this provision, "contractor" will be defined as the contractor on the contract; sub-contractor, or material supplier performing the work on or for the project. For the purposes of any federal-aid contract awarded by the Local Public Agency (LPA), they will be designated as "the recipient". The contractor shall include this same contract provision in every supply contract or subcontract the contractor makes or executes.

6.0 DBE Program Information. DBE Program information may be obtained from the MoDOT Business Development & Compliance Division, 105 W. Capitol Avenue, P.O. Box 270, Jefferson City, Missouri 65102-0270. Phone (573) 751-7801, Fax (573) 526-0558, E-Mail: **dbe@modot.mo.gov.** It will be the duty of each contractor, and for the contractor's subcontractors to take the steps necessary to determine the legal obligations and limitations under the DBE Program, as an element of responsibility. It will be the duty of each certified DBE firm to know, understand and comply with the DBE firm's legal obligations and limitations under the DBE Program, as a requirement of program participation.

7.0 DBE Certification, and the Missouri Unified Certification Program. MoDOT and other certifying agencies within Missouri have partnered to form the Missouri Regional Certification Committee (MRCC) and developed a Unified Certification Program (UCP) pursuant to 49 CFR 26.81 and 7 CSR 10-8.061. Only DBE firms certified by the MRCC are eligible to perform work on a federal-aid contract for DBE contract goal credit. It is the contractor's responsibility to ensure firms identified for participation are approved certified DBE firms.

The MRCC DBE Directory can be found at the following link: https://www.modot.org/welcome-business-development-and-compliance

8.0 DBE Program-Related Certifications Made By Bidders and Contractors. If the bidder makes a written, express disclaimer of one or more certifications or assurances in the bid, the bid will be considered non-responsive. By submitting a bid on any project involving USDOT federal financial participation, and by entering into any contract on the basis of that bid, the contractor makes each of the following DBE Program-related certifications and assurances to USDOT, to the Commission, to MoDOT, and to the LPA:

(a) The bidder certifies that management and bidding officers have reviewed and understand the bidding and project construction and administration obligations of the USDOT DBE Program regulations at Title 49 CFR Part 26 (as amended), and the Commission's DBE Program rules at Title 7 CSR Division 10, Chapter 8 (as amended).

(b) The bidder agrees to ensure that certified DBE firms have a full and fair opportunity to participate in the performance of the contract financed in whole or in part with federal funds. The bidder certifies that all necessary and reasonable steps were taken to ensure that DBE firms have an opportunity to compete for, and perform work on the contract. The bidder further certifies that the bidder not discriminate on the basis of race, color, age, national origin or gender in the performance of the contract, or in the award of any subcontract.

(c) The bidder certifies that if awarded the federal-aid contract, the contractor will make a good faith effort to utilize certified DBE firms committed to with the awarded contract.

(d) The bidder certifies, that if awarded the federal-aid contract with an approved DBE Good Faith Effort, the bidder will at a minimum achieve any DBE participation committed at time of bid as well as make good faith efforts to obtain additional DBE participation throughout the life of the project. Any liquidated damages at the completion of the project will be assessed contingent on the awarded bidders efforts in obtaining DBE participation.

(e) The bidder understands and agrees that if awarded the contract the contractor is legally responsible to ensure that the contractor and each DBE, comply fully with all regulatory and

contractual requirements of the USDOT DBE Program, and that each DBE firm participating in the contract fully perform the designated tasks, with the DBE's own forces and equipment, under the DBE's own direct supervision and management. The bidder certifies, that if awarded the contract and if MoDOT or the Commission determine that the contractor, a DBE or any other firm retained by the contractor has failed to comply with the DBE Program requirements or federal or state DBE Program regulations, the Commission, through MoDOT, shall have the sole authority and discretion to determine the extent of the monetary value to which the DBE contract goals have not been met at the project completion, and to assess against and withhold monetary damages from the contractor up to the full amount of that breach. The bidder further understands and agrees that this clause authorizes the Commission, through MoDOT, to determine and fix the extent of the damages caused by a breach of any contractual or regulatory DBE Program requirement and that the damage assessment will be enforced in addition to, and not in lieu of, any other general liquidated damages clause in the contract. By submitting a bid for a federal-aid contract, the bidder irrevocably agrees to such an assessment of liquidated damages for DBE Program purposes, and authorizes the Commission and MoDOT to make such an assessment of liquidated damages against the contractor, and to collect that assessment from any sums due the contractor under the contract, or any other contract, or by other legal process. The bidder makes this certification, agreement and authorization on behalf of itself, for each federal-aid contract.

9.0 Designation of DBE firms to perform on contract. The bidder states and certifies that the DBE participation information submitted in the bid or within the contract designated time is true, correct and complete and that the information provided includes the names of all DBE firms that will participate in the contract, the specific line item (s) that each DBE firm will perform or partially perform, and the creditable dollar amounts of the participation of each DBE. The specific line item must reference the bid line number and item number contained in the proposal. The bidder further states and certifies that the bidder has committed to use each DBE firm listed for the work shown to meet the DBE contract goal and that each DBE firm listed has clearly confirmed to the bidder that the DBE firm will participate in and perform the work, with the DBE's own forces.

(a) The bidder certifies the bidder's understanding that as the contractor on a contract funded in whole or in part by USDOT federal funds, the bidder may not unilaterally terminate, substitute for, or replace any DBE firm that was designated in the executed contract, in whole or in any part, with another DBE, any non-DBE firm or with the contractor's own forces or those of an affiliate, without the prior written consent of MoDOT. The bidder understands it must receive approval in writing from MoDOT for the termination of a DBE firm, or the substitution or replacement of a DBE before any substitute or replacement firm may begin work on the project in lieu of the DBE firm participation information listed in the executed contract. Unless MoDOT's written consent is provided as outlined above, the bidder shall not be entitled to any payment of work or material unless it is performed or supplied by the listed DBE.

(1) The bidder further certifies understanding, that if a DBE firm listed in the bid or approved in the executed contract documents ceases to be a certified DBE firm, at any time during the performance of the contract work, and a contract or subcontract with that firm has not yet been executed by the prime and subcontractor, the contractor can not count any work performed by that firm after the date of the firm's loss of eligibility toward meeting the DBE contract goal. The contractor can pursue efforts to replace the work planned with the decertified firm, with other certified DBEs, in coordination with MoDOT's Business Development & Compliance Division. If the contractor has executed a subcontract with the firm before the DBE lost eligibility and ceased to be a certified DBE, the contractor may continue to receive credit toward the DBE contract goal for that firm's work on the executed subcontract. However, if the reason for the firm's DBE decertification is due to the firm being

acquired or merged with a non-DBE, the portion of the work remaining after the date of decertification is not eligible for counting towards the contract goal. In this case, the Contractor must seek additional DBE participation to the extent needed to meet the contract goal or demonstrate that it has made good faith efforts to do so. Subcontract extensions that add work for firms that become decertified from the DBE program may not count for DBE goal credit without MoDOT's prior written consent.

(2) The bidder further certifies the bidder's understanding, that the dollar value of any work completed by a DBE firm prior to approval of the DBE's substitution or replacement, in writing, by MoDOT will not be credited toward meeting the DBE contract goal. No credit toward the DBE goal will be given for any amount withheld from payment to the DBE or "back charged" against monies owed to the DBE, regardless of the purpose or asserted debt.

10.0 Contract Goal Submittal. The bidder may submit the completed "DBE Identification Submittal" information in the bid documents at the same time as, and within the sealed bid, at the time the bid is submitted. However, if that information is not completed and submitted with the initial sealed bid, then as a matter of responsiveness and responsibility, all bidders shall file the completed "DBE Identification Submittal" pages to the Local Agency on or before 4:00 p.m. of the third business day after the bid opening date. The Local Agency may permit telefax transmittal.

Any "DBE Identification Submittal" that identifies a DBE regular dealer or distributor must be accompanied by a "DBE Regular Dealer/Distributor Affirmation Form" that is completed and signed by both the bidder and the DBE. This form must be received on or before 4:00 p.m. of the third business day after the bid opening date.

No extension of time will be allowed for any reason. The means of transmittal and the risk of timely receipt of the information shall be the bidder's.

10.1 Good Faith Effort Submittal. If the bidder is not able to meet the Commission's DBE contract goal, the bidder has the opportunity to submit with and as a part of the bid, a true, accurate, complete and detailed written explanation of good faith efforts taken to meet the DBE Contract Goal established in the bid documents. The bidder shall use the "DBE Identification Submittal" sheets for any DBE participation that will be committed towards the goal and an explanation, with any supporting documentation, for the inability to meet the full goal established on the contract. Any Good Faith efforts shall be submitted as part of the bid or within the three business days after the bid opening.

10.2 Bidders Good Faith Efforts Described. MoDOT will consider the quality, quantity, and intensity of the different kinds of efforts that the bidder has made based upon 49 CFR Appendix A to Part 26 and the following additional efforts:

(a) Providing documentation on any and all past GFE activities for review.
(b) Past project DBE performance utilization.
(c) Race neutral methods utilized on completed projects.

All good faith efforts are evaluated on a case-by-case basis whereas any of the numerous good faith elements listed individually or collectively is not a guarantee of approval.

10.3 Administrative Reconsideration of the Bidder's Good Faith Efforts Made as a Part of the Bid Submittal. If MoDOT determines that the apparent low bidder has failed to adequately document in the bid that the bidder made a good faith effort to achieve sufficient DBE participation in the contract

work, that firm will be offered the opportunity for administrative reconsideration upon written request, before MoDOT and the Commission reject that bid as non-responsive.

10.4 Forfeiture of Bid Bond possible when: The failure of either the apparent low bidder to file the completed and executed "DBE Identification Submittal", listing actual, committed DBE participation equal to or greater than the DBE contract goal percentage specified in the bid by 4:00 p.m. on the third business day after the bid opening, will be cause for rejection of that bid. In addition, the bid surety bond or bid guaranty of the apparent low bidder will be forfeited to and become the property of the Local Agency upon demand, only if the contract is awarded.

(a) By submitting a bid on a federal-aid project, the bidder accepts and agrees to these provisions, and the disposition of the bidders bid bond or guaranty, upon demand by the Local Agency.

11.0 DBE Participation for Contract Goal Credit. Goal credit will be in accordance with 49 CFR 26.55 as outlined for the following DBE types:

- Subcontractor
- Manufacturer
- Regular Dealer
- Distributor
- Broker
- Trucker

12.0 DBE Required to Perform a Commercially Useful Function (CUF). The DBE CUF requirements are stated in 49 CFR Part 26, (26.55). Any questions or further information needed for CUF determinations should be directed to MoDOT's Business Development & Compliance Division.

12.1 Quality Control (QC) and Quality Assurance (QA) Reviews. The prime contractor shall monitor their planned DBE project usage for CUF compliance and provide MoDOT information for areas of concern for further evaluation. MoDOT will perform a QA review, or compliance review, for DBE CUF and project documentation retained by the contractor through project completion. The contractor shall maintain all DBE related information it has received, documented and provided to MoDOT for a period of three years beyond the date of final inspection. MoDOT's determination that a DBE's participation may not count toward the project goal, or good faith effort level approved will be subject to administrative reconsideration.

12.2 MoDOT Makes Final Determination On Whether a CUF Is Performed. MoDOT will have the final authority to determine whether a DBE firm has performed a CUF on a federal-aid contract.

13.0 Verification of DBE Participation at project completion. (Assessment of Liquidated Damages Possible)

13.1 Prior to final payment by the Local Agency, the contractor shall file with the Local Agency a detailed list showing each DBE used on the contract work, and the work performed by each DBE. The list shall show the actual dollar amount paid to each DBE for the creditable work on the contract, less any rebates, kickbacks, deductions, withholdings or other repayments made. The list shall be certified under penalty of perjury, or other law, to be accurate and complete. MoDOT and the Commission will use this certification and other information available to determine if the contractor

and the contractor's DBEs satisfied the DBE contract goal percentage specified in the contract and the extent to which the DBEs were fully paid for that work. The contractor shall acknowledge, by the act of filing the detailed list, that the information is supplied to obtain payment regarding a federal participation contract.

13.2 Failure on the part of the contractor to achieve the DBE participation to which the contractor committed in the contract may result in liquidated damages being imposed on the contractor by the Commission for breach of contract and for non-compliance. If the contract was awarded with less than the original DBE contract goal proposed by the Commission, the revised lower amount became the final DBE contract goal, and that goal will be used to determine any liquidated damages to be assessed. Additionally, the Commission or MoDOT may impose any other administrative sanctions or remedies available at law or provided by the contract in the event of breach by the contractor by failing to satisfy the contractor's DBE contract goal commitment. The contractor will be offered the opportunity for administrative reconsideration of any assessment of liquidated damages determined at the project completion, upon written request. The administrative reconsideration officer may consider all facts presented, including the legitimacy or business reason for back charges assessed against a DBE firm, in determining the final amount of liquidated damages.

14.0 Miscellaneous DBE Program Requirements. In accordance with Title 49 CFR Part 26 and the Commission's DBE Program rules in Title 7 CSR Division 10, Chapter 8, the contractor, for both the contractor and for the contractor's subcontractors and suppliers, whether DBE firms or not, shall commit to comply fully with the auditing, record keeping, confidentiality, cooperation and anti-intimidation or retaliation provisions contained in those federal and state DBE Program regulations. By bidding on a federal-aid contract, and by accepting and executing that contract, the contractor agrees to assume these contractual obligations, and to bind the contractor's subrecipients contractually, at the contractor's expense.

15.0 Bidders List Data Collection. MoDOT is a recipient of federal funds and is required by 49 CFR 26.11, to provide data about its DBE program. The information shall consist of the names of all DBE and non-DBE subcontractors, suppliers, manufacturers, distributors, or brokers for actual use and of consideration by the prime bidder. Forms are provided to bidders that specify all required data points. Failure to submit the required forms may deem the bid irregular.

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Consultant Phone: (636) 519-0990

If a seal is present on this sheet, JSP's have been electronically sealed and dated.

JOB NUMBER: STP-4901(650)
CITY OF FLORISSANT
DATE PREPARED: April 20, 2026

ADDENDUM DATE:

Only the following items of the Job Special Provisions are authenticated by this seal: All

A. DEFINITIONS

1.0 The current edition of the St. Louis County Standard Specifications for Road and Bridge Construction as published by the St. Louis County Transportation Department (STLCO), have, for the purpose of this contract, been adopted as the PRIMARY technical specifications except as modified herein. These specifications are updated regularly online at www.stlouisco.com.

2.0 Unless otherwise stated, all references to "plans" refer to the construction plans provided with this contract. However, when unclear or other details are referenced, the St. Louis County Department of Transportation Standard Plans, as published on their website, shall govern.

3.0 All references to St. Louis County Standard Specifications refer to the latest edition of the St. Louis County Standard Specifications for Road and Bridge Construction. Specific references to this document are given as "Section XXX."

4.0 All references to the "Missouri Standard Specifications for Highway Construction" refer to the latest edition of that document. Specific references to this document are given as "MoDOT Section XXX".

5.0 Whenever the phrases or words "St. Louis County Transportation Department", "St. Louis County", "STLCO" or "County" appear in the Standard Specifications and the Job Special Provisions, both the phrases and the words shall be construed signifying the "City of Florissant" acting through the City Council.

6.0 Whenever the phrases or words "Chief Engineer," "Engineer," or "Director" appear in the Standard Specifications and the Job Special Provisions, both the phrases and the words shall be construed as signifying the "City of Florissant."

7.0 Whenever the words "State," "City," "County," or "District" appear in the Standard Specifications and the Job Special Provisions, they shall be construed as signifying the "City of Florissant."

8.0 The Summary of Quantities, which summarizes the quantities for this project, specifies the specification to be used for each bid item. Whenever information for a bid item is not found in the St. Louis County Standard Specifications, the most current edition of the Missouri Standard Specifications for Highway Construction by the Missouri Department of Transportation, shall be used in its place.

9.0 **Storm Sewer System and Appurtenances.** The latest edition of the Standard Construction Specifications for Sewers and Drainage Facilities as published by the Metropolitan St. Louis Sewer District, St. Louis, Missouri, have, for the purpose of this contract, been adopted as the technical specifications.

B. GENERAL – FEDERAL JSP-09-02L

1.0 **Description.** The Federal Government is participating in the cost of construction of this project. All applicable Federal laws, and the regulations made pursuant to such laws, shall be observed by the contractor, and the work will be subject to the inspection of the appropriate Federal Agency in the same manner as provided in Sec 105.10 of the Missouri Standard Specifications for Highway Construction with all revisions applicable to this bid and contract.

1.1 This contract requires payment of the prevailing hourly rate of wages for each craft or type of work required to execute the contract as determined by the Missouri Department of Labor and Industrial Relations and requires adherence to a schedule of minimum wages as determined by the United States Department of Labor. For work performed anywhere on this project, the contractor and the contractor's subcontractors shall pay the higher of these two applicable wage rates. State Wage Rates, Information on the Required Federal Aid Provisions, and the current Federal Wage Rates are available on the Missouri Department of Transportation web page at www.modot.org under "Doing Business with MoDOT", "Contractor Resources". Effective Wage Rates will be posted 10 days prior to the applicable bid opening. These supplemental bidding documents have important legal consequences. It shall be conclusively presumed that they are in the

bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

1.2 The following documents are available on the Missouri Department of Transportation web page at www.modot.org under "Doing Business with MoDOT"; “Standards and Specifications”. The effective version shall be determined by the letting date of the project.

General Provisions & Supplemental Specifications

Supplemental Plans to July 2025 Missouri Standard Plans
For Highway Construction

These supplemental bidding documents contain all current revisions to the published versions and have important legal consequences. It shall be conclusively presumed that they are in the bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

C. PROJECT CONTACT FOR CONTRACTOR / BIDDER QUESTIONS

1.0 All questions concerning this project shall be forwarded to the project contacts listed below.

Joe Vrabel
City of Florissant
955 St. Francois Street
Florissant, MO 63031
Phone: 314.839.7643
jvrabel@florissantmo.com

D. EMERGENCY PROVISIONS AND INCIDENT MANAGEMENT

1.0 The Contractor shall have communication equipment on the construction site or immediate access to other communication systems to request assistance from the police or other emergency agencies for incident management. In case of traffic accidents or the need for police to direct or restore traffic flow through the job site, the Contractor shall notify police or other emergency agencies immediately as needed. The Engineer's office shall also be notified when the Contractor requests emergency assistance.

2.0 In addition to the 911 emergency telephone number for ambulance, fire or police services, the following agencies may also be notified for accident or emergency situation within the project limits.

Missouri Highway Patrol:	**55 Regular Phone or Cell*
City of Florissant:	*314-839-7648*
Fire:	*314-837-4894*
Police:	*314-831-7000*

3.0 This list is not all inclusive. Notification of the need for wrecker or tow truck services will remain the responsibility of the appropriate police agency.

4.0 The Contractor shall notify enforcement and emergency agencies before the start of construction to request their cooperation and to provide coordination of services when emergencies arise during the construction at the project site. When the Contractor completes this notification with enforcement and emergency agencies, a report shall be furnished to the Engineer on the status of incident management.

5.0 No direct pay will be made to the Contractor to recover the cost of the communication equipment, labor, materials or time required to fulfill the above provisions.

E. UTILITIES

1.0 For informational purposes only, the following is a list of names, addresses, and telephone numbers of the known utility companies in the area of the construction work for this improvement:

Utility Name	Known Required Adjustment
Ameren Missouri – Electric Zak Kaller (636) 793-1487 zkaller@ameren.com	**Yes**
AT&T – Telephone Wade Weakley (636) 692-3326 ww8571@att.com	**No**
Charter Communications – Cable John Danowski (636) 262-0395 john.danowski@charter.com	**No**
Spire – Gas Nick Eggert (314) 330-5720 nicholas.Eggert@spireenergy.com	**No**
MCI / Verizon Domenic Nicastro (636) 459-1600 domenic.nicastro@verizon.com	**No**
Missouri American Water Dave Pruitt (314) 574-3601 Dave.Pruitt@amwater.com	**No**

1.1 Existing underground and above-grade facilities, structures, and utilities have been plotted on the contract documents based on the information and surveys available at the time of drawing preparation, the locations of these features must, therefore, be considered approximate, only. In addition, there may be other facilities, structures, and utilities which did not exist (or the existence of which was not known) at the time of drawing preparation. It is the sole responsibility of the contractors(s) to have **all** existing facilities, structures, and utilities located in the field prior to any excavation or construction activity; **and** to protect all such features (except those specifically noted for removal or demolition) during construction.

1.2 The contractor agrees that any effects of the presence of the utilities, their relocation, contractor's coordination of work with the utilities and any delay in utility relocation shall not be compensable as a suspension of work, extra work, a change in the work, as a differing site condition or otherwise including but, without limitation, delay, impact, incidental or consequential damages. The contractor's sole remedy for the effects of the presence of utilities, delay in their relocation or any other effects shall be an excusable delay as provided in Section 105.7.3. The contractor waives, for itself, its subcontractors and suppliers the compensability of the presence of utilities, delay in their relocation and any cost to the contractor, it's subcontractors and suppliers in any claim or action arising out of or in relation to the work

under the contract.

1.3 The contractor shall be solely responsible and liable for incidental and consequential damage to any utility facilities or interruption of the service caused by it or its subcontractors operation. The contractor shall hold and save harmless the Commission from damages to any utility facilities interruption of service by it or its subcontractor's operation.

2.0 Specific Requirements

2.1 Ameren Missouri. Ameren Missouri has overhead power lines on the south side of Mullanphy Road for the length of the project. Ameren Missouri has one power pole located at Sta. 153+50 RT in conflict with proposed improvements. Ameren plans to relocate the pole in conflict within the treelawn area. The pole will be relocated prior to construction. The contractor shall coordinate construction activities with Ameren Missouri.

2.2 AT&T. AT&T has buried fiber on both sides of Mullanphy starting at Sta. 106+91 and ending at Mullan Drive, Sta. 108+25, in addition to a buried 300 pair copper cable near Sta. 149+97 RT. AT&T has three aerial cables (one copper and two fiber) crossing Mullanphy Road near Sta. 157+50. AT&T has stated their facilities are clear of conflicts.

2.3 Charter Communications. Charter has stated their facilities are clear of conflicts.

2.4 Spire Gas. Spire has a 6-inch steel main under the eastbound lane pavement of Mullanphy Road for the length of the project, along with 2-inch spur lines at side streets. No conflict is anticipated with the gas mains. Various gas valves will be adjusted to grade by Spire. The contractor shall coordinate construction activities with Spire for the required adjustments.

2.5 MCI/Verizon. MCI/Verizon has underground facilities on crossing Mullanphy Road and Loveland Drive. MCI/Verizon facilities are clear of conflicts.

2.6 Missouri American Water. Missouri American Water has a water line under the westbound lane pavement of Mullanphy Road. No conflict is anticipated with the water line. Various water valves will be adjusted to grade by Missouri American Water Company. The contractor shall coordinate construction activities with Missouri American Water for the required adjustments.

2.7 The Contractor shall directly contact each utility contact to verify location of facilities, and shall coordinate construction activities with each utility. Prior to beginning work, the contractor shall request locates from Missouri One Call. The contractor shall also complete the Notice of Intent to Perform Work form located at the Missouri Department of Transportation website: http://www.modot.mo.gov/asp/intentToWork.shtml

2.8 The contractor shall submit the form over the web (preferred method) or by fax to the numbers on the printed form. The notice must be submitted a minimum of 2 and a maximum of 10 working days prior to excavation just as Missouri One Call requires.

F. SUPPLEMENTAL REVISIONS JSP-18-01KK

- Compliance with 2 CFR 200.216 – Prohibition on Certain Telecommunications and Video Surveillance Services or Equipment.

The Missouri Highways and Transportation Commission shall not enter into a contract (or extend or renew a contract) using federal funds to procure or obtain equipment, services, or systems that uses covered telecommunications equipment or services as substantial or as critical technology as part of any system where the video surveillance and telecommunications equipment was produced by Huawei Technologies Company, ZTE Corporation, Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).

- Stormwater Compliance Requirements

1.0 Description. This provision requires the contractor to provide a Water Pollution Control Manager (WPCM) for any project that includes land disturbance on the project site and the total area of land disturbance, both on the project site, and all Off-site support areas, is one (1) acre or more. Regardless of the area of Off-site disturbance, if no land disturbance occurs on the project site, these provisions do not apply. When a WPCM is required, all sections within this provision shall be applicable, including assessment of specified Liquidated Damages for failure to correct Stormwater Deficiencies, as specified herein. This provision is in addition to any other stormwater, environmental, and land disturbance requirements specified elsewhere in the contract.

1.1 Definitions. The project site is defined as all areas designated on the plans, including temporary and permanent easements. The project site is equivalent to the "permitted site", as defined in MoDOT's State Operating Permit. An Off-site area is defined as any location off the project site the contractor utilizes for a dedicated project support function, such as, but not limited to, staging area, plant site, borrow area, or waste area.

1.2 Reporting of Off-Site Land Disturbance. If the project includes any planned land disturbance on the project site, prior to the start of work, the contractor shall submit a written report to the engineer that discloses all Off-site support areas where land disturbance is planned, the total acreage of anticipated land disturbance on those sites, and the land disturbance permit number(s). Upon request by the engineer, the contractor shall submit a copy of its land disturbance permit(s) for Off-site locations. Based on the total acreage of land disturbance, both on and Off-site, the engineer shall determine if these Stormwater Compliance Requirements shall apply. The Contractor shall immediately report any changes to the planned area of Off-site land disturbance. The Contractor is responsible for obtaining its own separate land disturbance permit for Off-site areas.

2.0 Water Pollution Control Manager (WPCM). The Contractor shall designate a competent person to serve as the Water Pollution Control Manager (WPCM) for projects meeting the description in Section 1.0. The Contractor shall ensure the WPCM completes all duties listed in Section 2.1.

2.1 Duties of the WPCM:

(a) Be familiar with the stormwater requirements including the current MoDOT State Operating Permit for construction stormwater discharges/land disturbance activities; MoDOT's statewide Stormwater Pollution Prevention Plan (SWPPP); the Corps of Engineers Section 404 Permit, when applicable; the project specific SWPPP, the Project's Erosion & Sediment Control Plan; all applicable special provisions, specifications, and standard drawings; and this provision;

(b) Successfully complete the MoDOT Stormwater Training Course within the last 4 years. The MoDOT Stormwater Training is a free online course available at MoDOT.org;

(c) Attend the Pre-Activity Meeting for Grading and Land Disturbance and all subsequent Weekly Meetings in which grading activities are discussed;

(d) Oversee and ensure all work is performed in accordance with the Project-specific SWPPP and all updates thereto, or as designated by the engineer;

(e) Review the project site for compliance with the Project SWPPP, as needed, from the start of any grading operations until final stabilization is achieved, and take necessary actions to correct any known deficiencies to prevent pollution of the waters of the state or adjacent property owners prior to the engineer's weekly inspections;

(f) Review and acknowledge receipt of each MoDOT Inspection Report (Land Disturbance Inspection Record) for the Project within forty eight (48) hours of receiving the report and ensure that all Stormwater Deficiencies noted on the report are corrected as soon as possible, but no later than stated in Section 5.0.

3.0 Pre-Activity Meeting for Grading/Land Disturbance and Required Hold Point. A Pre-Activity meeting for grading/land disturbance shall be held prior to the start of any land disturbance operations. No land disturbance operations shall commence prior to the Pre-Activity meeting except work necessary to install perimeter controls and entrances. Discussion items at the pre-activity meeting shall include a review of the Project SWPPP, the planned order of grading operations, proposed areas of initial disturbance, identification of all necessary BMPs that shall be installed prior to commencement of grading operations, and any issues relating to compliance with the Stormwater requirements that could arise in the course of construction activity at the project.

3.1 Hold Point. Following the pre-activity meeting for grading/land disturbance and subsequent installation of the initial BMPs identified at the pre-activity meeting, a Hold Point shall occur prior to the start of any land disturbance operations to allow the engineer and WPCM the time needed to perform an on-site review of the installation of the BMPs to ensure compliance with the SWPPP is met. Land disturbance operations shall not begin until authorization is given by the engineer.

4.0 Inspection Reports. Weekly and post run-off inspections will be performed by the engineer and each Inspection Report (Land Disturbance Inspection Record) will be entered into a web-based Stormwater Compliance database. The WPCM will be granted access to this database and shall promptly review all reports, including any noted deficiencies, and shall acknowledge receipt of the report as required in Section 2.1 (f.).

5.0 Stormwater Deficiency Corrections. All stormwater deficiencies identified in the Inspection Report shall be corrected by the contractor within 7 days of the inspection date or any extended period granted by the engineer when weather or field conditions prohibit the corrective work. If the contractor does not initiate corrective measures within 5 calendar days of the inspection date or any extended period granted by the engineer, all work shall cease on the project except for work to correct these deficiencies, unless otherwise allowed by the engineer. All impact costs related to this halting of work, including, but not limited to stand-by time for equipment, shall be borne by the Contractor. Work shall not resume until the engineer approves the corrective work.

5.1 Liquidated Damages. If the Contractor fails to complete the correction of all Stormwater Deficiencies listed on the MoDOT Inspection Report within the specified time limit, the Commission will be damaged in various ways, including but not limited to, potential liability, required mitigation, environmental clean-up, fines, and penalties. These damages are not reasonably capable of being computed or quantified. Therefore, the contractor will be charged with liquidated damages specified in the amount of $2,000 per day for failure to correct one or more of the Stormwater Deficiencies listed on the Inspection Report within the specified time limit. In addition to the stipulated damages, the stoppage of work shall remain in effect until all corrections are complete.

6.0 Basis of Payment. No direct payment will be made for compliance with this provision.

- ***Delete Sec 106.9 in its entirety and substitute the following:***

106.9 Buy America Requirements.
Buy America Requirements are waived if the total amount of Federal financial assistance applied to the project, through awards or subawards, is below $500,000.

106.9.1 Buy America Requirements for Iron or Steel Products.
The contractor's attention is directed to Title 23 CFR 635.410 *Buy America Requirements*. Where articles, materials or supplies that consist wholly or predominantly of iron or steel or a combination of both are to be

permanently incorporated into the contract work, steel and iron material shall be manufactured, from the initial melting stage through the application of coatings, in the USA except for “minimal use” as described herein. Predominantly of iron or steel or a combination of both means that the cost of the iron and steel content exceeds 50 percent of the total cost of all its components. Under a general waiver from FHWA the use of pig iron and processed, pelletized, and reduced iron ore manufactured outside of the USA will be permitted in the domestic manufacturing process for steel or iron material.

106.9.1.1 Any sources other than the USA as defined will be considered foreign. The required domestic manufacturing process shall include formation of ingots and any subsequent process. Coatings shall include any surface finish that protects or adds value to the product.

106.9.1.2 “Minimal use” of foreign steel, iron or coating processes will be permitted, provided the cost of such products does not exceed 1/10 of one percent (0.1 percent) of the total contract cost or $2,500.00, whichever is greater. If foreign steel, iron, or coating processes are used, invoices to document the cost of the foreign portion, as delivered to the project, shall be provided and the engineer’s written approval obtained prior to placing the material in any work.

106.9.1.3 Buy America requirements include a step certification for all fabrication processes of all steel or iron materials that are accepted per Sec 1000. The AASHTO Product Evaluation and Audit Solutions compliance program verifies that all steel and iron products fabrication processes conform to 23 CFR 635.410 Buy America Requirements and is an acceptable standard per 23 CFR 635.410(d). AASHTO Product Evaluation and Audit Solutions compliant suppliers will not be required to submit step certification documentation with the shipment for some selected steel and iron materials. The AASHTO Product Evaluation and Audit Solutions compliant supplier shall maintain the step certification documentation on file and shall provide this documentation to the engineer upon request.

106.9.1.3.1 Items designated as Category 1 will consist of steel girders, piling, and reinforcing steel installed on site. Category 1 items require supporting documentation prior to incorporation into the project showing all steps of manufacturing, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410 Buy America Requirements. This includes the Mill Test Report from the original producing steel mill and certifications documenting the manufacturing process for all subsequent fabrication, including coatings. The certification shall include language that certifies all steel and iron materials permanently incorporated in this project was procured and processed domestically and all manufacturing processes, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410.

106.9.1.3.2 Items designated as Category 2 will include all other steel or iron products not in Category 1 and permanently incorporated in the project. Category 2 items shall consist of, but not be limited to items such as fencing, guardrail, signing, lighting and signal supports. The prime contractor is required to submit a material of origin form certification prior to incorporation into the project from the fabricator for each item that the product is domestic. The Certificate of Materials Origin form (link to certificate form) from the fabricator must show all steps of manufacturing, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410 Buy America Requirements and be signed by a fabricator representative. The engineer reserves the right to request additional information and documentation to verify that all Buy America requirements have been satisfied. These documents shall be submitted upon request by the engineer and retained for a period of 3 years after the last reimbursement of the material.

106.9.1.3.3 Any minor miscellaneous steel or iron items that are not included in the materials specifications shall be certified by the prime contractor as being procured domestically. Examples of these items would be bolts for sign posts, anchorage inserts, etc. The certification shall read “I certify that all steel and iron materials permanently incorporated in this project during all manufacturing processes, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410 Buy America Requirements procured and processed domestically in accordance with CFR Title 23 Section 635.410 Buy America Requirements. Any foreign steel used was submitted and accepted under minor usage”. The certification shall be signed by an authorized representative of the prime contractor.

106.9.1.4 When permitted in the contract, alternate bids may be submitted for foreign steel and iron products. The award of the contract when alternate bids are permitted will be based on the lowest total bid of the contract based on furnishing domestic steel or iron products or 125 percent of the lowest total bid based on furnishing foreign steel or iron products. If foreign steel or iron products are awarded in the contract, domestic steel or iron products may be used; however, payment will be at the contract unit price for foreign steel or iron products.

106.9.2 Buy America Requirements for Construction Materials other than iron or steel products.
Construction materials mean articles, materials, or supplies that consist of only one of the items listed. Minor additions of articles, materials, supplies, or binding agents to a construction material do not change the categorization of the construction material. Upon request by the engineer, the contractor shall submit a domestic certification for all construction materials listed that are incorporated into the project.

(a) Non-ferrous metals
(b) Plastic and Polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables)
(c) Glass (including optic glass)
(d) Fiber optic cable (including drop cable)
(e) Optical fiber
(f) Lumber
(g) Engineered wood
(h) Drywall

106.9.3 Buy America Requirements for Manufactured Products.
Manufactured products mean articles, materials or supplies that have been processed into a specific form and shape, or combined with other articles, materials or supplies to create a product with different properties than the individual articles, materials or supplies. If an item is classified as an iron or steel product, an excluded material, or other product category as specified by law or in 2 CFR part 184, then it is not a manufactured product. However, an article, material or supply classified as a manufactured product may include components that are iron or steel products, excluded materials, or other product categories as specified by law or in 2 CFR part 184. Mixtures of excluded materials delivered to a work site without final form for incorporation into a project are not a manufactured product.

106.9.3.1 Produced in the United States, in the case of manufactured products, means:
(A) For projects obligated on or after October 1, 2025, the product was manufactured in the United States; and
(B) For projects obligated on or after October 1, 2026, the product was manufactured in the United States and the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States is greater than 55 percent of the total cost of all components of the manufactured product.

106.9.3.2 (i) With respect to precast concrete products that are classified as manufactured products, components of precast concrete products that consist wholly or predominantly of iron or steel or a combination of both shall meet the requirements of paragraph (b) of this section. The cost of such components shall be included in the applicable calculation for purposes of determining whether the precast concrete product is produced in the United States.
(ii) With respect to intelligent transportation systems and other electronic hardware systems that are installed in the highway right of way or other real property and classified as manufactured products, the cabinets or other enclosures of such systems that consist wholly or predominantly of iron or steel or a combination of both shall meet the requirements of paragraph (b) of this section. The cost of cabinets or other enclosures shall be included in the applicable calculation for purposes of determining whether systems referred to in the preceding sentence are produced in the United States.

106.9.4 Waiver for De Minimis Costs for Manufactured and Construction Materials other than iron or steel products.
"The total value of the non-compliant products is no more than the lesser of $1,000,000 or 5% of total applicable costs for the project." The contractor shall submit to the engineer any non-domestic materials and

their total material cost to the engineer. The contractor and the engineer will both track these totals to assure that the minimal usage allowance is not exceeded.

- Third-Party Test Waiver for Concrete Aggregate

1.0 Description. Third party tests may be allowed for determining the durability factor for concrete pavement and concrete masonry aggregate.

2.0 Material. All aggregate for concrete shall be in accordance with Sec 1005.

2.1 MoDOT personnel shall be present at the time of sampling at the quarry. The aggregate sample shall be placed in an approved tamper-evident container (provided by the quarry) for shipment to the third-party testing facility.

2.2 AASHTO T 161 Method B Resistance of Concrete to Rapid Freezing and Thawing, shall be used to determine the aggregate durability factor. All concrete beams for testing shall be 3-inch wide by 4-inch deep by 16-inch long or 3.5-inch wide by 4.5-inch deep by 16-inch long. All beams for testing shall receive a 35-day wet cure fully immersed in saturated lime water prior to initiating the testing process.

2.3 Concrete test beams shall be made using a MoDOT approved concrete pavement mix design.

3.0 Testing Facility Requirements. All third-party test facilities shall meet the requirements outlined in this provision.

3.1 The testing facility shall be AASHTO accredited.

3.1.1 For tests ran after January 1, 2025, accreditation documentation shall be on file with the Construction and Materials Division prior to any tests being performed.

3.1.2 Construction and Materials Division may consider tests completed prior to January 1, 2025, to be acceptable if all sections of this provision are met, with the exception of 3.1.1. Accreditation documentation shall be provided with the test results for tests completed prior to January 1, 2025. No tests completed prior to September 1, 2024, will be accepted.

3.2 The testing facility shall provide their testing process, list of equipment, equipment calibration documentation, and testing certifications or qualifications of technicians performing the AASHTO T 161 Procedure B tests. The testing facility shall provide details on their freezing and thawing apparatus including the time and temperature profile of their freeze-thaw chamber. The profile shall include the temperature set points throughout the entirety of the freeze-thaw cycle. The profile shall show the cycle time at which the apparatus drains/fills with water and the cycle time at which the apparatus begins cooling the specimens.

3.3 Results, no more than five years old, from the third-party test facility shall compare within ±2.0 percent of an independent test from another AASHTO accredited test facility or with MoDOT test records, in order to be approved for use (e.g. test facility results in a durability factor of 79, MoDOT's recent durability test factor is 81; this compared within +2 percent). The independent testing facility shall be in accordance with this provision. The comparison test can be from a different sample of the same ledge combination.

3.4 When there is a dispute between the third party durability test results and MoDOT durability test results, the MoDOT durability test result shall govern.

3.5 Test results shall be submitted to MoDOT's Construction and Materials division electronically for final approval. Test results shall include raw data for all measurements of relative dynamic modulus of elasticity and percent length change for each individual concrete specimen. Raw data shall include initial measurements made at zero cycles and every subsequent measurement of concrete specimens. Raw data shall include the cycle count and date each measurement was taken. Test results shall also include

properties of the concrete mixture as required by AASHTO T 161. This shall include the gradation of the coarse aggregate sample. If AASHTO T 152 is used to measure fresh air content, then the aggregate correction factor for the mix determined in accordance with AASHTO T 152 shall also be included.

4.0 Method of Measurement. There is no method of measurement for this provision. The testing requirements and number of specimens shall be in accordance with AASHTO T 161 Procedure B.

5.0 Basis of Payment. No direct payment will be made to the contractor or quarry to recover the cost of aggregate samples, sample shipments, testing equipment, labor to prepare samples or test samples, or developing the durability report.

- ***Delete paragraph 15.0 of the General Provision Disadvantaged Business Enterprise (DBE) Program Requirements and substitute the following*:**

15.0 Bidder's List Quote Summary. MoDOT is a recipient of federal funds and is required by 49 CFR 26.11 to provide data about its DBE program. All bidders who seek to work on federally assisted contracts must submit data about all DBE and non-DBEs in accordance with Sec 102.7.9. MoDOT will not compare the submitted Bidder's List Quote Summary to any other documents or submittals, pre or post award. All information will be used by MoDOT in accordance with 49 CFR 26.11 for reporting to USDOT and to aid in overall DBE goal setting**.**

- ***Add Sec 102.7.9 to include the following:***

102.7.9 Bidder's List Quote Summary. Each bidder shall submit with each bid a summary of all subcontractors, material suppliers, and service providers (e.g. hauling) considered on federally funded projects pursuant to 49 CFR 26.11. The bidder will provide the firm's name, the corresponding North American Industry Classification System (NAICS) code(s) the firm(s) were considered for, and whether or not they were used in the bid. The information submitted should be the most complete information available at the time of bid. The information shall be disclosed on the Bidder's List Quote Summary form provided in the bidding documents and submitted in accordance with Sec 102.10. Failure to disclose this information may result in a bid being declared irregular.

G. SUBMITTALS AND SHOP DRAWINGS

1.0 In all cases where details or shop drawings are required, the Contractor shall submit electronic copies to the City for review thirty (30) days before any of the work is begun, or earlier to prevent delay of the work. The Engineer shall return shop drawings marked with corrections and changes within fourteen (14) calendar days of the submittal. Should extensive changes be necessary, corrected drawings shall be submitted for final review. The final reviewed drawings will be submitted to the City and the Contractor.

2.0 The Contractor shall thoroughly review the shop drawings for compliance with the contract drawings and specifications before submitting them to the City. The shop drawings shall be stamped "reviewed" by the Contractor before submitting them to the City.

3.0 When it is required to submit material or equipment, shop drawings, manufacturer's brochures, or samples for review, said submittals are to be made to the City through the general Contractor. Each item submitted for approval must be identified by reference to specification paragraph number and/or plan drawing number. If the item described or submitted is not exactly as specified by the plans and/or specifications, the procedure shall be as follows:

> With the submittal the Contractor shall state in writing that the item is not exactly as specified by the plans and/or specifications and he shall state the difference. A copy of the shop drawings, manufacturer's brochures, or samples shall be submitted to

the City. The City will then evaluate the submittal and will transmit the accepted or rejected submittal to the Contractor.

4.0 When substitutions for the specified items are approved, the submitting Contractor will be responsible for all costs incurred due to the changes from plans and/or specifications. This includes additional design costs, material and equipment costs and any appurtenant cost that may be incurred by other trades.

5.0 The City and/or the design engineer will be not be responsible for errors in the shop drawings which their examination and scrutiny may have failed to detect, and the Contractor shall be absolutely responsible for the correctness of the drawings furnished by him or his subcontractors.

6.0 Within two (2) weeks after signing the contract between the City and the Contractor, the Contractor shall submit a complete list of shop drawings and samples for items of work and the approximate dates on which they will be submitted for approval. The Contractor's first payment can be withheld if this requirement is not met.

7.0 The following shop drawings (SD) and/or manufacturers data submittals shall be required:

All Sewer Structures
Aggregates
Concrete Mix Design(s)
Asphalt Mix Design(s)
Grouting or Sand-Cement Backfill
Sign Materials
Concrete Reinforcing Steel
Curing Compound
Retaining Wall
Seed Mix/Sod
Detectable Warning Surface
Pavement Markings
Aggregates
Joint Sealant
Geotextile Fabrics

Other items as required by the specifications or as requested by the City, including but not limited to:
Disposal Site Information
Resident Notification Form Letter/Door Hanger
Permits (MSD, St. Louis County, DNR)

H. PERMITS

1.0 The Contractor is responsible for acquiring any and all necessary project related permits to carry out the work. Known permits required are;

(a) MSD Construction Permit - Installation, replacement and adjustment of storm and sanitary facilities, as necessary

2.0 No direct pay shall be provided for any labor, equipment, time, materials, or costs necessary to complete this work. The Contractor shall have no claim, or basis for any claim or suit whatsoever, resulting from compliance with this provision.

I. PROGRESS SCHEDULE

1.0 Description. Section 108.4 of the Standard Specification shall be supplemented as follows:

1.1 The initial schedule to be submitted at or prior to the pre-construction meeting shall include a detailed work schedule for the area on a work week calendar, indicating the timing for placement of traffic control devices, pavement breaking, removals, placement of rock base, concrete placement, backfill, drive construction, seeding, crack sealing, and opening to traffic for each project phase. In no case shall the Contractor deliver notices, break pavement or initiate excavations until approval is given by the Engineer, and

the utility companies have been given adequate notice and provided physical markings indicating the location of underground facilities.

1.2 The Contractor shall provide the Engineer with scheduled work projections on a weekly basis. These projections shall address the anticipated work for the upcoming two (2) week period. The Contractor shall not commence work in any area unless previously submitted to the Engineer in the weekly projections and updates. These schedules are to be the basis upon which the Engineer will keep the public and emergency personnel informed. It is not the intent of these projections to limit or control the Contractor's operations. It is an essential term of this contract however, to limit the number of open excavations and traffic hazards to ensure prompt and efficient closure of construction areas.

2.0 Basis of Payment. No direct pay shall be provided for any labor, equipment, time, or materials necessary to complete this work. The Contractor shall have no claim, or basis for any claim or suit whatsoever, resulting from compliance with this provision.

J. CONTRACTOR SURVEYING AND STAKING

1.0 Description. This work shall consist of providing the necessary surveying and staking for the successful prosecution of the work.

2.0 Pre-Construction Survey. Prior to commencing any work the Contractor shall thoroughly inspect and document the project site conditions with color photographs and/or videos. The photographs and/or video shall include all proposed work areas including but not limited to roadway, utilities, drives, mailboxes, sidewalk, landscaping, trees, etc. The inspection shall be done jointly by the Contractor, City, and/or the City's representative. This inspection will serve as evidence in determining the extent of any damage resulting from the construction operations and are for the protection of the Contractor and City. This information will also be utilized to guide final restoration for the project.

3.0 Staking Requirements. Staking work shall be in accordance with general accepted surveying practices and provisions of the contract. The MoDOT's current Engineering Policy Guide (EPG), 238.4, may be used as guidance and is available on MoDOT's web site.

3.1 The Contractor shall preserve all right of way monuments, benchmarks control points and reference marks set by the Engineer. If any monumentation is damaged, destroyed or disturbed by the Contractor, the cost of replacement will be at the Contractor's expense and will be deducted from the payment for the work.

3.2 All surveying shall be documented by the Contractor in a written form acceptable to the Engineer. During performance of the work, all surveying documents shall be available and supplied to the Engineer upon request, at the Contractor's expense. All documents shall be labeled with the project name, project number, county, municipality, Contractor name, survey party supervisor and date.

3.3 The Engineer will furnish and set control points with known coordinates. The Engineer will furnish all coordinate data to lay out the job and locate benchmarks as shown on the plans. The Contractor shall provide all other staking necessary for the successful prosecution of the work. All alignment control established by the Contractor shall be referenced, and a copy of the references shall be furnished to the Engineer.

3.4 Any surveying or measurements necessary for computing pay quantities will be performed by the Engineer. The Contractor shall notify the Engineer at least two working days prior to disturbing any areas used to calculate pay quantities.

3.5 All surveying work performed by the Contractor shall be sufficient and accurate to construct the work in accordance with the contract documents. Any delays or additional costs to the project which result from insufficient or inaccurate staking or time lost for corrective action will be considered as a non-excusable and non-compensable delay.

3.6 The construction centerline shown on the plans shall be accurately established and the control points of all curves shall be referenced. If it is necessary to introduce an equation in order to match the plan stationing or if a plan equation is changed, such changes will be at the written direction of the Engineer.

3.7 Adjustments necessary to provide accurate staking or match improvements to existing features shall be immediately brought to the attention of the Engineer. The Engineer will determine the nature of the discrepancy and will make revisions, as necessary. The Contractor shall perform any re-staking required by such revisions. Any reimbursement due to the Contractor for additional staking due to design errors will be in accordance with MoDOT Section 109.4.3.

3.8 After the centerline has been established and referenced, centerline elevations shall be taken at all stations and at any other points required to ensure the computation of accurate quantities. Centerline elevations shall be based on the plan datum. All benchmarks shown on the plans shall be checked.

3.9 In the event a difference of plus or minus 0.01 foot exists in elevation for any benchmark shown on the plans, check levels shall be run and shown in the notes. The elevations shall be corrected to plan elevation at each benchmark where any difference occurs, and shall be noted in the field notes. If a plan benchmark has been disturbed or if correction of the plan elevation is not feasible, a full explanation shall be made in the notes. The Contractor shall furnish to the Engineer a listing of benchmarks prior to beginning construction.

3.10 If original plan cross sections differ from existing conditions by an average deviation in excess of one foot, the Contractor shall immediately notify the Engineer. The Engineer will be responsible for taking cross-sections where deviations are determined to exist.

3.11 After completing any bridge, box culvert or retaining wall staking, the Contractor shall furnish to the Engineer structural layout plan sheets which show the location of all points that have been staked. At the time of furnishing the marked layout sheets, the Contractor shall meet with the engineer to review the layout a minimum of two working days before construction begins.

3.12 Upon completion of the project, the Contractor shall provide to the engineer all original surveying field notes, layouts and computations in standard bound survey notebooks or in a form acceptable to the Engineer.

3.13 Finish grade stakes for the sidewalk shall be set to 25-foot intervals.

4.0 Method of Measurement. The work provided in accordance with MoDOT Section 105.8.2 will not be measured for payment, but will be considered a lump sum unit.

5.0 Basis of Payment. Contractor surveying and staking will be paid for at the contract lump sum price and will be considered full compensation for the following:

(a) Performing this work.
(b) All material, labor, tools, equipment and incidentals necessary to complete the work.
(c) For all effects, impacts, cumulative impacts, incidental and consequential costs, loss or damage arising from, relating to or produced by error or discrepancies in surveys or staking and plans based on such surveys or staking, and any cost, including time effects, to correct the errors or discrepancies.

5.1 Payment for Contractor surveying and staking completed, not to exceed the contract item amount, will be made upon written request by the Contractor. Such a request shall be submitted to the Engineer two business days prior to the progress estimate date.

5.2 Complete payment will not be made until the Contractor has provided all of the original surveying field notes, layouts, computations and notebooks to the Engineer.

K. REMOVAL OF IMPROVEMENTS

1.0 Section 202.20 of the Standard Specification shall be amended as follows:

1.1 Description.

1.1.1 Full depth sawcutting shall be required at the limits of all pavement removal. Extreme care shall be exercised to avoid damage to adjacent pavement to remain in place. The sawcut shall be vertical and shall result in a straight, clean and neat edge of uniform appearance. Liquid residue resulting from the sawcutting shall be immediately and completely washed from the pavement.

1.1.2 During breaking of concrete pavement, the Contractor shall not break the pavement within two (2) feet of the marked location of any gas line. The pavement spanning the gas line shall be lifted in one piece and adequate depth to the gas line shall be verified by hand digging. The Contractor is responsible for all overbreakage. Slabs (pavement and sidewalk) that are damaged by overbreakage shall be removed and replaced at the Contractor's expense.

1.1.3 Materials removed shall be hauled from the site and disposed of at a location so as to not violate local, state, or federal laws, regulations, or ordinances, nor create a liability for the City. The Contractor shall indemnify and hold the City harmless for any costs or liability for failure to comply with any such local, state, or federal laws, regulations, or ordinances. All disposal costs are incidental to the contract work. There is no separate pay item for this work.

1.1.4 The Contractor shall provide the Engineer with the address of the disposal site(s) and the name of the property owner at least three (3) days prior to the start of pavement removal. If the disposal site is not a previously licensed landfill, the Contractor shall provide evidence of Municipal and/or County permits, as necessary, as well as a written acknowledgement by the owner that he has approved the placement of material on the specified property prior to any disposal in said site.

2.0 Method of Measurement. This work provided herein will not be measured and shall be provided as a lump sum for Removal of Improvements.

3.0 Basis of Payment.

3.1 Payment for removal of flexible pavement, rigid pavement, base course, curb and gutter, sawcutting, signs, guardrail, storm drainage items, sanitary sewer items, gravel, and fencing will be made at the contract lump sum price for Removal of Improvements. All pay items described in this section shall include all labor, materials, equipment and tools necessary to remove all items as shown on the plans or as designated by the Engineer. Incremental payments can be made at a percentage equal to the amount of work completed on the project.

L. WORK ZONE TRAFFIC MANAGEMENT PLAN

1.0 Description. Work zone traffic management shall be in accordance with applicable portions of Division 100 and Division 600 of the Standard Specifications, and specifically as follows.

2.0 Traffic Management Schedule.

2.1 Traffic management schedules shall be submitted to the engineer for review prior to the start of work and prior to any revisions to the traffic management schedule. The traffic management schedule shall include the proposed traffic control measures, hours traffic control will be in place, and work hours.

2.2 The contractor shall notify the engineer prior to lane closures or shifting traffic onto detours.

2.3 The engineer shall be notified as soon as practical of any postponement due to weather, material or other circumstances.

2.4 In order to ensure minimal traffic interference, the contractor shall schedule lane closures for the absolute minimum amount of time required to complete the work. Lanes shall not be closed until material is available for continuous construction and the contractor is prepared to diligently pursue the work until the closed lane is opened to traffic.

2.5 Traffic Congestion. The contractor shall, upon approval of the engineer, take proactive measures to reduce traffic congestion in the work zone.

2.5.1 Traffic Delay. The contractor shall be responsible for maintaining the existing traffic flow through the job site during construction. If disruption of the traffic flow occurs and traffic is backed up in queues of 10-minute delays or longer, then the contractor shall review the construction operations which contributed directly to disruption of the traffic flow and make adjustments to the operations to prevent the queues from occurring again. Interruption of traffic will only be allowed between the hours of 9:00 am and 2:00 pm. Traffic interruptions shall be kept to a minimum and all interruptions must be pre-approved by the City 24 hours in advance of interruption.

2.5.2 Traffic Safety.

2.5.2.1 When a traffic queue extends within 500 feet (150 m) of the ROAD WORK AHEAD, or similar, sign due to non-recurring congestion, the contractor shall deploy a means of providing advance warning of the traffic congestion, as approved by the engineer. The warning location shall be no less than 500 feet (150 m) and no more than 0.5 mile (0.8 km) in advance of the end of the traffic queue.

3.0 Work Hour Restrictions.

3.1 Except for emergency work, as determined by the engineer, and long term lane closures required by project phasing, all lanes shall be scheduled to be open to traffic during the five major holiday periods shown below, from 12:00 noon on the last working day preceding the holiday until 6:00 a.m. on the first working day subsequent to the holiday unless otherwise approved by the engineer.

Memorial Day
Labor Day
Thanksgiving
Christmas
New Year's Day

3.1.1 Independence Day. The lane restrictions specified in Section 3.1 shall also apply to Independence Day, except that the restricted periods shall be as follows:

When Independence Day falls on:	The Holiday is Observed on:	Halt Lane Closures beginning at:	Allow Lane Closures to resume at:
Sunday	Monday	Noon on Friday	6:00 a.m. on Tuesday
Monday	Monday	Noon on Friday	6:00 a.m. on Tuesday
Tuesday	Tuesday	Noon on Monday	6:00 a.m. on Wednesday
Wednesday	Wednesday	Noon on Tuesday	6:00 a.m. on Thursday
Thursday	Thursday	Noon on Wednesday	6:00 a.m. on Friday
Friday	Friday	Noon on Thursday	6:00 a.m. on Monday
Saturday	Friday	Noon on Thursday	6:00 a.m. on Monday

3.2 Except for emergency work, as determined by the engineer, the contractor shall not perform any construction operation on the roadway, including the hauling of material within the project limits, during restricted periods, holiday periods or other special events specified in the contract documents.

3.3 Working hours for the project shall be considered to be 7:00 a.m. to 6:00 p.m. Monday through Friday. It shall be the responsibility of the engineer to determine if the above work hours may be modified. Working hours for evenings, weekends and holidays will be determined by the engineer.

4.0 Basis of Payment. No direct payment will be made to the contractor to recover the cost of equipment, labor, materials or time required to fulfill the above provisions, unless specified elsewhere in the contract document.

M. TEMPORARY TRAFFIC CONTROL DEVICES

Delete Sec. 612.3.1, and substitute the following:

612.3.1 Barricades (Moveable, Temporary, and Permanent). All barricades shall meet the most recent requirements of the Manual on Uniform Traffic Control Devices. The contractor shall provide and maintain barricades in good condition throughout the duration of the contract. At a minimum, the number and location of traffic control and safety devices will meet the standard requirements of the Manual on Uniform Traffic Control Devices.

Delete Sec. 612.4 Plans and Quantities, and substitute the following:

612.4 Plans and Quantities. The plans will show the type and location of traffic control devices necessary to complete the work. The contractor is responsible to furnish, install and maintain all advance warning and detour signing. All traffic control devices and layout shall conform to the latest edition of the Manual of Uniform Control Devices (MUTCD).

Any device that becomes damaged or rendered unserviceable shall be promptly repaired or replaced by the contractor as directed by the engineer. No direct payment will be made for repair or replacement of traffic control facilities as a result of compliance with this provision.

No direct payment will be made for repair or replacement of traffic control facilities as a result of compliance with this provision.

Delete Sec. 612.5, and substitute the following:

612.5 All traffic control devices and all other advance or detouring signs furnished and maintained by the contractor shall remain the property of the contractor.

Delete Sec. 612.6 Flasher Signs

Delete Sec. 612.30.4.2 Materials and substitute the following:

612.30.4.2 Materials. The channelizers shall meet the requirements of Chapter 6 of the Manual on Uniform Traffic Control Devices (MUTCD), current edition. Any unacceptable device shall be replaced by the contractor as soon as possible, but not to exceed 24 hours after the contractor has been notified by the engineer. The channelizers shall be kept clean of dirt and debris and cleaned or replaced by the contractor within 24 hours' notice from the engineer of the need to clean or replace the channelizers.

Delete Sec. 612.30.4.3 Prequalification

Delete Sec. 612.30.4.4 Basis of Acceptance

Delete Sec. 612.32 Basis of Payment, and substitute the following:

612.32 Basis of Payment. All temporary traffic control devices authorized for installation by the engineer will be paid for at the contract unit price for each of the pay items included in the contract. Whether the devices are paid individually, or per lump sum, no direct payment will be made for the following:

(a) Incidental items necessary to complete the work, unless specifically provided as a pay item in the contract.

(b) Installing, operating, maintaining, cleaning, repairing, removing, or replacing traffic control devices.

(c) Covering and uncovering existing signs and other traffic control devices.

(d) Relocating temporary traffic control devices, including permanent traffic control devices temporarily relocated, unless specifically included as a pay item in the contract.

(e) Worker apparel.

(f) Flaggers, AFADs, PFDs, pilot vehicles, and appurtenances at flagging stations.

(g) Furnishing, installing, operating, maintaining, and removing construction-related vehicle and equipment lighting.

(h) Construction and removal of temporary equipment crossovers, including restoring pre-existing crossovers.

(i) Provide and maintaining work zone lighting and work area lighting.

The furnishing, placing, and maintaining of reflectorized object markers, construction signs, channelizers, cones, and the furnishing of flaggers as required will be paid for at the contract lump sum bid price for "612-30.15 – Temporary Traffic Control."

N. TRAFFIC CONTROL PLAN

Delete Section 616.3.2.3 Traffic Control Plan and substitute the following:

616.3.2.3 Regardless of whether or not road closures are explicitly permitted in the project staging plan, traffic control plan, or special provisions, the contractor will be required to request in writing permission to completely close any portion of the roadway. This request must be received at least 7 days prior to the anticipated closure date and must include a signage plan and details regarding the work to be completed and the anticipated length of closure.

616.3.2.4 If the engineer determines the need for additional signs or other traffic control devices not included in the traffic control plan, the contractor will be notified in writing to provide the additional signs or devices. Reimbursement for authorized changes to the traffic control plan will be made in accordance with contract unit prices or as agreed upon by the engineer.

616.3.2.5 The contractor shall give written notice to the engineer of any pedestrian or vehicular accident where physical evidence or other information suggests an accident has occurred in the work zone. The contractor shall obtain and provide to the engineer copies of law enforcement accident reports for any accidents in the work zone which may come to the contractor's attention.

O. ASPHALT PAVEMENT REPAIR, (FULL DEPTH)

1.0 Description. This work shall consist of saw cutting, full depth asphalt pavement removal, subgrade preparation, and placement and compaction of full depth type 'X' asphalt base pavement in lifts in accordance with Section 405.12.1 of the "Standard Specifications for Road and Bridge Construction Manual".

1.1 Locations to be repaired shall be as indicated in the construction plan or as determined by the Engineer.

1.2 Repair thickness shall match the existing pavement section. Approximate pavement thicknesses from pavement cores have been included in the construction plans.

1.3 Where the existing subgrade has been determined by the Engineer to be acceptable to use in place, the Contractor shall level and prepare the subgrade material prior to placement of asphalt base material.

1.4 Where the existing subgrade has been determined by the Engineer to be unacceptable to use in place, the Contractor shall remove the existing subgrade, and place and compact four inches (4") of type 5 aggregate base prior to placement of asphalt base material.

2.0 Method of Measurement. Measurement shall be taken to the nearest (0.1) Square Yard for the item 405-30.25 "Asphalt Pavement Repair, (Full Depth)".

3.0 Basis of Payment. Payment for saw cutting, pavement removal, preparation of subgrade to be used in place, type 'X' asphalt pavement, tack-liquid asphalt, and disposal of materials, including any handwork necessary to complete the repair, will be made per square yard of completed repair at the Contract unit price for Item No. 405-30.25 "Asphalt Pavement Repair, (Full Depth)", with no adjustment to the unit price for variations in pavement thickness.

3.1 Removal, replacement, and disposal of unacceptable subgrade material shall be paid for at the Contract unit price for 304-05.04 "Type 5 Aggregate Base (4" Thick)".

P. EXCESS MATERIAL (CONTRACTOR RETAINED)

1.0 General. The Contractor shall accept full ownership of all material removed by their operations and shall indemnify the City of responsibility for and pay all costs relating to generation, handling, storage, treatment, transportation, disposal or any future use of the material. The Missouri Solid Waste Management Law and its ancillary regulations, 10 CSR 80-1 through 9, provide for the proper disposal of solid waste. The Contractor must comply with the provision of applicable regulations during highway and bridge construction activities. These activities oftentimes involve the generation of "excess material", which in many instances can also be considered "solid waste" under the definitions of the Department of Natural Resources (DNR) Solid Waste Management Program.

1.1 Many types of excess material are not regulated by the DNR's Solid Waste Management Program. Such "clean fill" includes uncontaminated soil, rock, sand, gravel, concrete, minimal amounts of wood and metal and inert solids as approved by rule or policy by DNR's Solid Waste Management Program. These materials are basically not considered solid waste, and may be disposed of without prior approval from DNR's Solid Waste Management Program. Other substances which are not included in this list of materials may require special approval by the DNR's Solid Waste Management Program prior to disposal in areas other than approved landfills.

1.2 Disposal of any other material which does not fit this "clean fill" definition must be in accordance with DNR's (or local) regulations and it shall be the Contractor's responsibility to provide appropriate documentation (i.e., landfill receipts or a private owner waiver letter or statement from DNR) that the disposal will not violate applicable laws or regulations.

1.3 No direct payment will be made for any expense incurred by the Contractor by reason of his compliance with these requirements.

2.0 Temporary Pavement and Pipes. The Contractor shall remove and properly dispose of all temporary pavement when that pavement is no longer needed for traffic handling or re-routing. Removal and disposal of temporary pavement and temporary drainage pipe shall be in accordance with St. Louis County Standard Specifications. Payment for these removals and disposal shall be considered incidental to the bid item for Removal of Improvements even though these improvements are not considered existing at the beginning of the project and no additional compensation will be paid to the Contractor for removal of the temporary pavement and drainage pipe.

Q. HAUL-OFF OF EXCESS EXCAVATION

1.0 No direct payment will be made for haul-off of excess excavation material which is not needed for fill. The Contractor shall be responsible for removing any excess material from the project site.

R. CLEARING VEGETATION FROM THE PEDESTRIAN ACCESS ROUTE

1.0 Description. This work shall consist of clearing and disposing of vegetation, soil, and debris within the limits of the pedestrian access route. The pedestrian access route shall be defined as all sidewalks and curb ramps within the project limits.

2.0 Construction Requirements.

2.1 All tree limbs, bushes, grasses, vegetative ground cover, and all other types of vegetation encroaching upon the pedestrian access route shall be trimmed horizontally to the edge of sidewalk and vertically to a minimum height of 86 inches.

2.2 Vegetation growing through joints and cracks in the pedestrian access route shall be removed and said joints and cracks shall be treated with a chemical vegetation grown inhibitor.

2.3 Accumulations of soil and all other types of debris shall be removed from the pedestrian access route.

2.4 Disposal of vegetative material shall be in accordance with Section 201 of the St. Louis County Standard Specifications for Road and Bridge Construction.

3.0 Payment. The cost of all labor, equipment, and materials necessary to complete the work shall be included in the contract unit price per lump sum for bid item “201-20.11 – Clearing Vegetation from Pedestrian Access Route.”

S. CONCRETE WASHOUT AREAS

1.0 Description. All wash water from concrete paving operations, including but not limited to, ready mix trucks and paving equipment cleanup, must be contained in a washout facility. No wash water will be allowed to drain into the storm sewer or drainage system. The concrete washout area can be a prefabricated facility or a self-installed facility.

1.1 Prefabricated Facility. The prefabricated facility shall be a watertight container.

1.2 Self-Installed Facility. The self-installed facility can be either above grade or below grade. The facility shall be sized to contain all liquid and concrete waste generated. Above grade facilities can be constructed of

staked straw bales or stacked sandbags that are double lined with plastic sheeting of at least 10-mil thickness that has no holes or tears.

1.3 A below grade facility shall be sized to prevent overflowing. Construction fence shall be securely staked around the below grade facility when not in use.

1.4 The contractor can washout concrete on site into a future designated final concrete pour location. The washout cannot jeopardize the integrity of the final concrete pour.

2.0 Maintenance. The contractor shall maintain all concrete wash out facilities and ensure that no wash water leaks from or breaches the facility. The hardened concrete material shall be removed and disposed of on a regular basis and when the facility is no longer in use.

3.0 Identification and Location. The contractor shall erect a sign identifying the washout facility. The washout facility shall be at least 50 feet from any storm drains, inlets, sanitary manholes, open ditches or bodies of water. The location of the concrete washout shall be approved by the City.

4.0 Basis of Payment. The installation, maintenance and cleanup of the concrete washout areas will be paid at the contract unit price per each.

T. EQUIPMENT AND/OR MATERIAL STORAGE AREA

1.0 The City has not provided a material and/or equipment storage area (bone yard) for this project. Any such area required by the Contractor is to be acquired by the Contractor.

1.1 If the storage area is located along the project or within the City limits the Contractor must provide proof of permission to use the site. At the end of the project, prior to project closeout, the Contractor must provide to the City a release from the property owner. The release is to indicate the property owner is satisfied with the condition the Contractor left the property.

2.0 Basis of Payment. No direct payment will be made for compliance with this provision.

U. SITE MAINTENANCE

1.0 All work areas shall be kept neat and clean during all phases of construction and shall be “broom clean” at the end of each day. Stormwater BMP’s shall be installed and maintained as necessary to minimize or eliminate site runoff.

2.0 The Contractor shall provide a restroom and trash barrel within a reasonable distance (typically 500 feet or less) of any area where work is occurring. The trash barrel will be labeled as such and emptied at least weekly. Trash left elsewhere in the work area, such as in the overdig, will not be tolerated.

3.0 When forms are being stored on grass, i.e. lying, they will be stacked on top of not more than two 4x4 inch pieces of lumber. The purpose of this lumber is to eliminate the grass being killed beneath the forms when they are being stored prior to or following placement of concrete. If the forms are stored on pavement, the lumber is not required. Storage of the forms on sidewalks shall not be allowed. Care shall be taken to ensure that forms are not laid on sprinkler system heads.

4.0 Any soil remaining on the pavement following backfill of the overdig shall be removed within 24 hours. Barricades that are no longer required on a street shall be moved to the storage area within 24 hours of opening the pavement. At no time shall items stored in the right-of-way or on the pavement block the drainage of water through the area.

5.0 The Contractor is responsible for determining and providing suitable areas/facilities for concrete truck

wash out. Washing out in the overdig area behind the back of curb will not be permitted. All wash-out areas shall be fully restored upon completion of the project. Wash-out material must be contained and shall not be allowed to enter the storm sewer system, a creek, stream, or any other body of water. Any wash-out material leaving the site or that enters any sewer or body of water will require immediate remediation at the Contractors expense.

6.0 Basis of Payment. No payment will be made for compliance with this provision.

V. SITE RESTORATION

1.0 Description. Site Restoration shall include the repair, replacement and/or relocation of landscaping and other miscellaneous site improvements removed and/or damaged during construction and shall include but not be limited to landscaping, sod, shrubs, bushes, flowers, irrigation system components, decorative stone, boulders, pavers, decorative retaining walls, sidewalks, planter beds, decorative brick, edging, borders, etc. Restoration shall also include repair/replacement/relocation of fences, mailboxes, electronic dog fences, utility services and sweeping.

1.1 Any damaged or removed item shall be documented and repaired or replaced to equal or better condition in accordance with the pre-construction survey with equal or better materials to the satisfaction of the property owner and City.

1.2 Property restoration shall be completed as soon as possible.

2.0 Method of Measurement. This item shall be provided as a lump sum per the approved plans and any revisions or alterations proposed by the Contractor and accepted by the Engineer.

3.0 Basis of Payment. Payment for restoration includes all labor, materials, equipment and tools necessary to restore the site to the pre-construction condition and will be made at the contract lump sum price for “Site Restoration (Roadway Projects).”

W. EXISTING IRRIGATION SYSTEMS

1.0 Description. The Contractor is advised that one or more property owners located adjacent to the right of way may own and operate underground irrigation systems (automatic lawn sprinkler systems) which may be in conflict with the proposed work on this project. The Contractor is advised that not all of these systems have not been located nor are they shown on the plans.

2.0 Inspection and Notice. Before beginning grading, excavating or other construction operations that may impact an existing irrigation system, the Contractor shall inspect all work areas for the presence of an existing irrigation system. If an existing irrigation system is found, the Contractor shall, immediately notify the Engineer and determine if the existing irrigation system is operating properly and if the system will be in conflict with the proposed work.

3.0 Conflicts or Damage to Existing Irrigation Systems.

3.1 If an existing irrigation system is in conflict with the Contractor’s work, or it is otherwise damaged by the Contractor’s operations, it shall be the Contractor’s responsibility to modify the existing irrigation system to eliminate the conflict or repair the damage to the system.

3.2 When conflicts occur, or if unforeseen damage has resulted from the Contractor’s operations, the Contractor shall develop and submit a plan of adjustment for the irrigation system to the Engineer for review and approval. All plans of adjustment shall restore the irrigation system to a complete and whole system, in similar condition, with like kind materials, and with similar coverage as the existing system as found at the time of inspection or before the damage occurred.

3.3 The Contractor shall be responsible for implementing the approved adjustment plan, including furnishing all materials and supplying all labor and equipment necessary.

4.0 Basis of Payment. No direct payment will be made to the Contractor for compliance with the requirements of this job special provision. All irrigation systems requiring relocation or adjustment shall be covered under the lump sum bid item for "Site Restoration."

X. SEWER CONSTRUCTION

1.0 Description. All sewer construction shall meet the requirements of the Metropolitan St. Louis Sewer District (MSD) materials, installation, and details, as referenced in the contract documents or on the plans.

2.0 Trench Excavation. Except where otherwise specified, the unit bid price for each item of Work which involves excavation or trenching shall include all costs for such work. No direct payment shall be made for excavation or trenching. All excavation and trenching shall be unclassified as to materials which may be encountered. In addition, trenches shall be unclassified as to depth.

2.1 All trenches shall be constructed with bedding and backfill installed according to MSD Standard Specifications. Where granular backfill is required in unpaved areas, the granular backfill shall extend to a level 6-inches below finished grade and the top 6-inches of the backfill shall be topsoil. No additional payment will be made for excavation, bedding, backfill or grading, this work shall be considered incidental to the cost of the unit bid price for each item.

3.0 Structural Excavation. All excavation work required for structures shall be considered a subsidiary obligation of Contractor and the costs of such excavation shall be included in the prices bid for the structures. All structural excavations shall be unclassified as to material and unclassified as to depth.

4.0 Curb Inlets. Payment for Curb Inlets shall be made at the unit bid price per each. This unit price shall include all costs of installing the inlet complete, including the inlet base, invert construction, walls, top sections, inlet frame and cover, sills, steps, excavation, backfill, waterproofing, and all other appurtenances. Also considered included in this unit bid price shall be "A-Lok" or other approved equal pipe connections for sanitary and storm sewers. No additional payment will be made for the size of inlet required – all area inlets will be paid for at the same bid price.

5.0 Manholes. Payment for manholes shall be at the unit price for each. Unless noted otherwise on the plans, manholes for this project shall be 48-inch diameter. This unit price for manholes shall include all costs of installing a manhole complete, including the manhole foundation, manhole invert construction, walls, top sections, manhole or inlet frame and cover, steps, excavation, backfill, waterproofing, and all other appurtenances. Also considered included in this unit bid price shall be "A-Lok" or other approved equal pipe connections for sanitary and storm sewers.

6.0 Connections to Existing Manholes. Payment for connections to existing manholes will not be made. The compensation for necessary cutting, shaping, plugging, reshaping of existing invert, diversion of flow, completing the connection as required, and excavation work not otherwise paid for as trenching should be accounted for in the bid item to which this work pertains, and in most cases, will be accounted for in the manhole or area inlet structure used to make the connection.

7.0 Adjusting Manhole, Inlet, and Grate Inlet to Grade. Payment for adjusting manholes, curb inlets, and grate inlets to grade will be made at the contract unit price per each. Payment shall include all costs for a completed adjustment; including, but limited to: excavating, backfilling, removing the existing top section, raising the inlet walls, installing a new precast concrete top section with covers, and providing all other materials and work required for compliance with MSD Standard Specifications.

8.0 Acceptance and Protection. Temporary erosion control measures are required to be implemented per the requirements of Section 806. In addition to measures aimed at controlling sediment, it will be required that before final acceptance of any inlet, manhole or trench drain, the inlet shall be clean and free from all debris or sediment that may have accumulated over the extents of the project timeframe. This final cleaning will be a requirement of the Contractor, and will not be paid for, but considered incidental to the overall erosion and sediment control for the project, as well as incidental to the pay items for the specific drainage items to which it pertains.

9.0 As-Built Drawings. Contractor shall be required to produce and submit to MSD, as-built drawings of all sewer construction in accordance with requirements for as-built sewers as defined by MSD. No direct payment shall be made for this work. Final payment will not be made to the Contractor without MSD approval of as-built drawings.

10.0 Payment for sewer facilities governed by MSD Standards and Specifications for this project will be made by the contract unit price as noted in the bid items listing.

Y. MODULAR BLOCK WALL (H<4')

1.0 Description. This work consists furnishing all materials, labor, and equipment necessary to construct the modular block retaining wall.

1.1 The modular block wall located along 1300-1310 Mullanphy Road shall be a natural stone look. The contractor shall submit at least three (3) options of block style with various color options to the Engineer for selection of final product to be used.

2.0 Method of Measurement. Measurement for Modular Block Wall (H<4') will be made to the nearest square foot of exposed wall face.

3.0 Basis of Payment. The accepted quantity of Modular Block Wall (H>4') will be made at the contract unit price per square yard. Modular Block Wall (H>4') includes modular block wall, excavation required for wall, leveling pad, drain pipe, backfill for wall, and any other related components required per the manufacturer's details.

Z. PAVING REQUIREMENTS

1.0 Description. Vehicle **t**raffic shall not be allowed to travel on the milled pavement surface. The contractor shall only mill an area that can be overlayed by the end of each working day to minimize lane closures and damage to existing pavement structure. Repair of any damage to the pavement structure resulting from traffic on the milled surface shall be corrected at the contractor's expense.

2.0 Basis of Payment. No direct pay will be made for compliance with this provision.

AA. REMOVAL AND SALVAGE OF CITY SIGNS

1.0 All existing signs and sign posts not used during the construction of the roadway improvements, i.e. stops signs and street ID signs, shall remain the property of the City and shall be carefully removed and stockpiled in a location designated by the Director of Public Works for salvage by the City.

2.0 No direct pay will be made for removal and salvage of City signs. Removal and salvage of City signs is incidental to the lump sum unit cost of Removal of Improvements.

BB. SODDING

Delete Sec. 803.2 – Materials, and substitute the following:

803.2 Materials. Contractor shall survey each residence and inventory the type of grass existing prior, to disturbing the area. Sod shall be replaced in kind (bluegrass, zoysia or other on present yard). The sod shall contain a growth of not more than 25 percent of other grasses and clovers, and be free of all weeds. The sod shall be cut in strips of uniform thickness with each strip containing at least 1/3 sq.yd. and not more than one square yard. Sod shall be cut into strips, not less than 12 in. in width nor more than 9 ft. in length. At the time of sod lifting, the top growth shall not exceed 3 in. in length. The thickness of the sod shall be determined by stacking ten pieces alternately with the soil of the first piece on the bottom. The height of the stack without compression shall exceed 11 in. and the thickness of the soil portion of each piece shall not be less than ¾ in. All sod shall conform to the laws of Missouri and shall be obtained from sources meeting the approval of the Department of Agriculture, Plant Industries Division.

Amend Sec. 803.3.2 by adding the following:

Clear the top 2 inches of soil lumps, stones over ¾ inch, and foreign material, including but not limited to weeds, sticks and roots.

Continuous areas of crushed stone will be removed as directed by the engineer.

Delete Sec. 803.5 – Basis of Payment, and substitute the following:

803.5 Basis of Payment. The accepted quantities of sodding will be paid for at the contract unit bid price for sodding, regardless of type of sod used (bluegrass, zoysia or other on present yard). No direct payment will be made for sob bed preparation, liming or fertilizing sodded areas, or for the replacement of sodded areas not accepted by the Engineer. No direct payment will be made for any of the materials, labor, etc. needed to keep the sod thoroughly moist after placement and lasting for a period of 21 days.

CC. ADA COMPLIANCE AND FINAL ACCEPTANCE OF CONSTRUCTED FACILITIES LPA-15-07A

1.0 Description. The contractor shall comply with all laws pertaining to the Americans with Disabilities Act (ADA) during construction of pedestrian facilities on public rights of way for this project. An ADA Checklist is provided herein to be utilized by the contractor for verifying compliance with the ADA law. The contractor is expected to familiarize himself with the plans involving pedestrian facilities and the ADA Post Construction Checklist prior to performing the work.

2.0 ADA Checklist. The contractor can locate the ADA Checklist form on the Missouri Department of Transportation website:

http://www.modot.mo.gov/business/contractor_resources/forms.htm

2.1 The ADA Checklist is not to be considered all-inclusive, nor does it supersede any other contract requirements. The ADA checklist is a required guide for the contractor to use during the construction of the pedestrian facilities and a basis for the commission's acceptance of work. Prior to work being performed, the contractor shall bring to the engineer's attention any planned work that is in conflict with the design or with the requirement shown in the checklist. This notification shall be made in writing. Situations may arise where the checklist may not fully address all requirements needed to construct a facility to the full requirements of current ADA law. In those situations, the contractor shall propose a solution to the engineer that is compliant with current ADA law using the following hierarchy of resources: 2010 ADA Standards for Accessible Design, Draft Public Rights of Way Accessibility Guidelines (PROWAG) dated November 23, 2005, MoDOT's Engineering Policy Guidelines (EPG), or a solution approved by the U.S. Access Board.

2.2 It is encouraged that the contractor monitor the completed sections of the newly constructed pedestrian facilities in attempts to minimize negative impacts that his equipment, subcontractors or general public may have on the work. Completed facilities must comply with the requirements of ADA and the ADA Checklist or have documented reasons for the non-complaint items to remain.

3.0 Coordination of Construction.

3.1 Prior to construction and/or closure on an existing pedestrian path of travel, the contractor shall submit a schedule of work to be constructed, which includes location of work performed, the duration of time the contractor expects to impact the facility and an accessible signed pedestrian detour complaint with MUTCD Section 6D that will be used during each stage of construction. This plan shall be submitted to the engineer for review and approval at or prior to the pre-construction conference. Accessible signed detours shall be in place prior to any work being performed that has the effect of closing an existing pedestrian travel way.

3.2 When consultant survey is included in the contract, the contractor shall use their survey crews to verify that the intended design can be constructed to the full requirements as established in the 2010 ADA Standards. When 2010 ADA Standards do not give sufficient information to construct the contract work, the contractor shall refer to the PROWAG.

3.3 When consultant survey is not included in the contract, the contractor shall coordinate with the engineer, prior to construction, to determine if additional survey will be required to confirm the designs constructability.

4.0 Final Acceptance of Work. The contractor shall provide the completed ADA Checklist to the engineer at the semi-final inspection. ADA improvements require final inspection and compliance with the ADA requirements and the ADA Checklist. Each item listed in the checklist must receive either a “YES” or an “N/A” score. Any item receiving a “NO” will be deemed non-compliant and shall be corrected at the contractor’s expense unless deemed otherwise by the engineer. Documentation must be provided about the location of any non-complaint items that are allowed to remain at the end of the construction project. Specific details of the non-complaint items, the ADA requirement that the work was not able to comply with, and the specific reasons that justify the exception are to be included with the completed ADA Checklist provided to the engineer.

4.1 Slope and grade measurements shall be made using a properly calibrated, 2 foot long, electronic digital level approved by the engineer.

5.0 Basis of Payment. The contractor will receive full pay of the contract unit cost for all sidewalk, ramp, curb ramp, median, island, approach work, cross walk striping, APS buttons, pedestrian heads, detectible warning systems and temporary traffic control measures that are completed during the current estimate period as approved by the engineer. Based upon completion of the ADA Checklist, the contractor shall complete any necessary adjustments to items deemed non-compliant as directed by the engineer.

5.1 No direct payment will be made to the contractor to recover the cost of equipment, labor, materials, or time required to fulfill the above provisions, unless specified elsewhere in the contract documents.

DD. HIGHWAY SIGNING

Delete Section 903 St. Louis County Standard Specifications for Road and Bridge Construction and substitute with MoDOT Section 903 Missouri Standard Specifications for Highway Construction, 2025.

EE. PAVEMENT MARKING

Follow MoDOT Section 620 Missouri Standard Specifications for Highway Construction, 2025.

FF. PROPERTY OWNER AGREEMENTS

1.0 Description. This work pertains to the special conditions that have been agreed upon by the City of Florissant and property owners of the following parcels regarding the Mullanphy Road Resurfacing Project. the Contractor must ensure the following are adhered to:

1.1 Parcels 2, 7, and 31. The Contractor shall notify the property owners 30 days prior to the commencement of construction. Notice will be given to the following addresses:

Ryan Paige
1320 Mullanphy Road
Florissant, MO 63031
Rpaige13442@gmail.com

Debra Dancy
1270 Mullanphy Road
Florissant, MO 63031
Ddancy19@yahoo.com

REI Nation, LLC
PO Box 381887
Germantown, TN 38183
closings@reination.com

1.2 Parcels 11 and 12. The Contractor is required to list VB Two, LLC as an additional insured party on the Contractor's commercial liability policy. The Contractor, at a minimum, is required to carry General Liability, Workers Compensation, Commercial Automobile Liability, and Pollution Liability Insurance. The Contractor shall maintain sufficient liability insurance coverage in an amount not less than the limit of the Commission's liability under §537.610 RSMo.

2.0 Basis of Payment. Payment for the above-mentioned items will be completely paid for under the unit bid prices. If there are no bid items for the above-mentioned work, the work will be considered incidental and there will be no direct payment.

END OF JOB SPECIAL PROVISIONS

CONTRACT PROVISIONS FOR FEDERAL-AID CONSTRUCTION CONTRACTS

I. General
II. Nondiscrimination
III. Davis-Bacon and Related Act Provisions
IV. Contract Work Hours and Safety Standards Act Provisions
V. Subletting or Assigning the Contract
VI. Safety: Accident Prevention
VII. False Statements Concerning Highway Projects
VIII. Implementation of Clean Air Act and Federal Water Pollution Control Act
IX. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion
X. Certification Regarding Use of Contract Funds for Lobbying
XI. Use of United States-Flag Vessels

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only).

I. GENERAL

1. Historically, contracting agencies using Federal-aid highway funds were required to ensure Form FHWA-1273 was physically incorporated into all contracts and subcontracts. Effective June 10, 2026, this requirement was eliminated [91 FR 25492]. Future use of Form FHWA-1273 is now optional on the part of the contracting agency using Federal-aid highway funds. FHWA continues to make Form FHWA-1273 available as a convenience to contracting agencies. Contracting agencies must continue to ensure compliance with the provisions cited in Form FHWA-1273 in accordance with the provisions regardless of the use of Form FHWA-1273. Accordingly, the contracting agency retains the authority to determine whether the contractor must use Form FHWA-1273 to physically incorporate required contract provisions in each subcontract and in lower tier contracts. Where permitted by the contracting agency, the contractor may choose other ways to include required contract provisions in each subcontract, besides incorporating Form FHWA-1273. Contract provisions in Form FHWA-1273 are not required to be physically included in subcontracts for design services on Federal-aid design-build contracts, or in purchase orders, rental agreements and other agreements for supplies or services.

The applicable provisions of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor or design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in solicitation-for-bids or request-for-proposals documents.

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. 23 U.S.C. 114(b). The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors. 23 U.S.C. 101(a).

II. NONDISCRIMINATION

The contractor and all subcontractors must comply with the following policies: 29 CFR Parts 1625-1627, 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27, including any amendments thereto.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with 29 CFR Parts 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), and Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27, including any amendments thereto.

The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR Part 35 and 29 CFR Part 1630 are incorporated by reference in this contract.

1. Assurances Required:

a. The requirements of 49 CFR Part 26, including any amendments thereto, and the State DOT's FHWA-approved Disadvantaged Business Enterprise (DBE) program are incorporated by reference.

b. The contractor, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26, including any amendments thereto, in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:

(1) Withholding monthly progress payments;
(2) Assessing sanctions;
(3) Liquidated damages; and/or
(4) Disqualifying the contractor from future bidding as non-responsible.

c. The Title VI and nondiscrimination provisions of U.S. DOT Order 1050.2A at Appendixes A and E, including any amendments thereto, are incorporated by reference. 49 CFR Part 21.

III. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding $2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size), in accordance with 29 CFR 5.5. The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. 23 U.S.C. 113. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. 23 U.S.C. 101. Where applicable law requires that projects be treated as a project on a Federal-aid highway, the provisions of this subpart will apply regardless of the location of the project. Examples include: Surface Transportation Block Grant Program projects funded under 23 U.S.C. 133 [excluding recreational trails projects], the Nationally Significant Freight and Highway Projects funded under 23 U.S.C. 117, and National Highway Freight Program projects funded under 23 U.S.C. 167.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 “Contract provisions and related matters” with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages (29 CFR 5.5)

a. *Wage rates and fringe benefits.* All laborers and mechanics employed or working upon the site of the work (or otherwise working in construction or development of the project under a development statute), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of basic hourly wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. As provided in paragraphs (d) and (e) of 29 CFR 5.5, the appropriate wage determinations are effective by operation of law even if they have not been attached to the contract. Contributions made or costs reasonably anticipated for bona fide fringe benefits under the Davis-Bacon Act (40 U.S.C. 3141(2)(B)) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.e. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics must be paid the appropriate wage rate and fringe benefits on the wage determination for the classification(s) of work actually performed, without regard to skill, except as provided in paragraph 4. of this section. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided,* That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classifications and wage rates conformed under paragraph 1.c. of this section) and the Davis-Bacon poster (WH–1321) must be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. *Frequently recurring classifications.* (1) In addition to wage and fringe benefit rates that have been determined to be prevailing under the procedures set forth in 29 CFR part 1, a wage determination may contain, pursuant to § 1.3(f), wage and fringe benefit rates for classifications of laborers and mechanics for which conformance requests are regularly submitted pursuant to paragraph 1.c. of this section, provided that:

(i) The work performed by the classification is not performed by a classification in the wage determination for which a prevailing wage rate has been determined;

(ii) The classification is used in the area by the construction industry; and

(iii) The wage rate for the classification bears a reasonable relationship to the prevailing wage rates contained in the wage determination.

(2) The Administrator will establish wage rates for such classifications in accordance with paragraph 1.c.(1)(iii) of this section. Work performed in such a classification must be paid at no less than the wage and fringe benefit rate listed on the wage determination for such classification.

c. *Conformance.* (1) The contracting officer must require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract be classified in conformance with the wage determination. Conformance of an additional classification and wage rate and fringe benefits is appropriate only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is used in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) The conformance process may not be used to split, subdivide, or otherwise avoid application of classifications listed in the wage determination.

(3) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the

classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken will be sent by the contracting officer by email to *DBAconformance@dol.gov*. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30–day period that additional time is necessary.

(4) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer will, by email to *DBAconformance@dol.gov*, refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30–day period that additional time is necessary.

(5) The contracting officer must promptly notify the contractor of the action taken by the Wage and Hour Division under paragraphs 1.c.(3) and (4) of this section. The contractor must furnish a written copy of such determination to each affected worker or it must be posted as a part of the wage determination. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 1.c.(3) or (4) of this section must be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

d. *Fringe benefits not expressed as an hourly rate.* Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor may either pay the benefit as stated in the wage determination or may pay another bona fide fringe benefit or an hourly cash equivalent thereof.

e. *Unfunded plans.* If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided,* That the Secretary of Labor has found, upon the written request of the contractor, in accordance with the criteria set forth in § 5.28, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

f. *Interest.* In the event of a failure to pay all or part of the wages required by the contract, the contractor will be required to pay interest on any underpayment of wages.

2. Withholding (29 CFR 5.5)

a. *Withholding requirements.* The contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for the full amount of wages and monetary relief, including interest, required by the clauses set forth in this section for violations of this contract, or to satisfy any such liabilities required by any other Federal contract, or federally assisted contract subject to Davis-Bacon labor standards, that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to Davis-Bacon labor standards requirements and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld. In the event of a contractor's failure to pay any laborer or mechanic, including any apprentice or helper working on the site of the work all or part of the wages required by the contract, or upon the contractor's failure to submit the required records as discussed in paragraph 3.d. of this section, the contracting agency may on its own initiative and after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with paragraph 2.a. of this section or Section IV, paragraph 3.a., or both, over claims to those funds by:

(1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;

(2) A contracting agency for its reprocurement costs;

(3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;

(4) A contractor's assignee(s);

(5) A contractor's successor(s); or

(6) A claim asserted under the Prompt Payment Act, 31 U.S.C. 3901–3907.

3. Records and certified payrolls (29 CFR 5.5)

a. *Basic record requirements* (1) *Length of record retention.* All regular payrolls and other basic records must be maintained by the contractor and any subcontractor during the course of the work and preserved for all laborers and mechanics working at the site of the work (or otherwise working in construction or development of the project under a development statute) for a period of at least 3 years after all the work on the prime contract is completed.

(2) *Information required.* Such records must contain the name; Social Security number; last known address, telephone number, and email address of each such worker; each worker's correct classification(s) of work actually performed; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in 40 U.S.C. 3141(2)(B) of the Davis-Bacon Act); daily and weekly number

of hours actually worked in total and on each covered contract; deductions made; and actual wages paid.

(3) *Additional records relating to fringe benefits.* Whenever the Secretary of Labor has found under paragraph 1.e. of this section that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in 40 U.S.C. 3141(2)(B) of the Davis-Bacon Act, the contractor must maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits.

(4) *Additional records relating to apprenticeship.* Contractors with apprentices working under approved programs must maintain written evidence of the registration of apprenticeship programs, the registration of the apprentices, and the ratios and wage rates prescribed in the applicable programs.

b. *Certified payroll requirements* (1) *Frequency and method of submission.* The contractor or subcontractor must submit weekly, for each week in which any DBA- or Related Acts-covered work is performed, certified payrolls to the contracting agency. The prime contractor is responsible for the submission of all certified payrolls by all subcontractors. A contracting agency or prime contractor may permit or require contractors to submit certified payrolls through an electronic system, as long as the electronic system requires a legally valid electronic signature; the system allows the contractor, the contracting agency, and the Department of Labor to access the certified payrolls upon request for at least 3 years after the work on the prime contract has been completed; and the contracting agency or prime contractor permits other methods of submission in situations where the contractor is unable or limited in its ability to use or access the electronic system.

(2) *Information required.* The certified payrolls submitted must set out accurately and completely all of the information required to be maintained under paragraph 3.a.(2) of this section, except that full Social Security numbers and last known addresses, telephone numbers, and email addresses must not be included on weekly transmittals. Instead, the certified payrolls need only include an individually identifying number for each worker (*e.g.,* the last four digits of the worker's Social Security number). The required weekly certified payroll information may be submitted using Optional Form WH–347 or in any other format desired. Optional Form WH–347 is available for this purpose from the Wage and Hour Division website at *https://www.dol.gov/sites/dolgov/files/WHD/legacy/files/wh347/.pdf* or its successor website. It is not a violation of this section for a prime contractor to require a subcontractor to provide full Social Security numbers and last known addresses, telephone numbers, and email addresses to the prime contractor for its own records, without weekly submission by the subcontractor to the contracting agency.

(3) *Statement of Compliance.* Each certified payroll submitted must be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor, or the contractor's or subcontractor's agent who pays or supervises the payment of the persons working on the contract, and must certify the following:

(i) That the certified payroll for the payroll period contains the information required to be provided under paragraph 3.b. of this section, the appropriate information and basic records are being maintained under paragraph 3.a. of this section, and such information and records are correct and complete;

(ii) That each laborer or mechanic (including each helper and apprentice) working on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR part 3; and

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification(s) of work actually performed, as specified in the applicable wage determination incorporated into the contract.

(4) *Use of Optional Form WH–347.* The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH–347 will satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(3) of this section.

(5) *Signature.* The signature by the contractor, subcontractor, or the contractor's or subcontractor's agent must be an original handwritten signature or a legally valid electronic signature.

(6) *Falsification.* The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under 18 U.S.C. 1001 and 31 U.S.C. 3729.

(7) *Length of certified payroll retention.* The contractor or subcontractor must preserve all certified payrolls during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

c. *Contracts, subcontracts, and related documents.* The contractor or subcontractor must maintain this contract or subcontract and related documents including, without limitation, bids, proposals, amendments, modifications, and extensions. The contractor or subcontractor must preserve these contracts, subcontracts, and related documents during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

d. *Required disclosures and access* (1) *Required record disclosures and access to workers.* The contractor or subcontractor must make the records required under paragraphs 3.a. through 3.c. of this section, and any other documents that the contracting agency, the State DOT, the FHWA, or the Department of Labor deems necessary to determine compliance with the labor standards provisions of any of the applicable statutes referenced by § 5.1, available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and must permit such representatives to interview workers during working hours on the job.

(2) *Sanctions for non-compliance with records and worker access requirements.* If the contractor or subcontractor fails to submit the required records or to make them available, or refuses to permit worker interviews during working hours on the job, the Federal agency may, after written notice to the contractor, sponsor, applicant, owner, or other entity, as the case may be, that maintains such records or that employs such workers, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available, or to permit worker interviews during working hours on the job, may be grounds for debarment action pursuant to § 5.12. In addition, any contractor or other person that fails to submit the required records or make those records available to WHD within the time WHD requests that the records be produced will be precluded from introducing as evidence in an administrative proceeding under 29 CFR part 6 any of the required records that were not provided or made available to WHD. WHD will take into consideration a reasonable request from the contractor or person for an extension of the time for submission of records. WHD will determine the reasonableness of the request and may consider, among other things, the location of the records and the volume of production.

(3) *Required information disclosures.* Contractors and subcontractors must maintain the full Social Security number and last known address, telephone number, and email address of each covered worker, and must provide them upon request to the contracting agency, the State DOT, the FHWA, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or other compliance action.

4. Apprentices and equal employment opportunity (29 CFR 5.5)

a. *Apprentices* (1) *Rate of pay.* Apprentices will be permitted to work at less than the predetermined rate for the work they perform when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship (OA), or with a State Apprenticeship Agency recognized by the OA. A person who is not individually registered in the program, but who has been certified by the OA or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice, will be permitted to work at less than the predetermined rate for the work they perform in the first 90 days of probationary employment as an apprentice in such a program. In the event the OA or a State Apprenticeship Agency recognized by the OA withdraws approval of an apprenticeship program, the contractor will no longer be permitted to use apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(2) *Fringe benefits.* Apprentices must be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringe benefits must be paid in accordance with that determination.

(3) *Apprenticeship ratio.* The allowable ratio of apprentices to journeyworkers on the job site in any craft classification must not be greater than the ratio permitted to the contractor as to the entire work force under the registered program or the ratio applicable to the locality of the project pursuant to paragraph 4.a.(4) of this section. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in paragraph 4.a.(1) of this section, must be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under this section must be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(4) *Reciprocity of ratios and wage rates.* Where a contractor is performing construction on a project in a locality other than the locality in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyworker's hourly rate) applicable within the locality in which the construction is being performed must be observed. If there is no applicable ratio or wage rate for the locality of the project, the ratio and wage rate specified in the contractor's registered program must be observed.

b. *Equal employment opportunity.* The use of apprentices and journeyworkers under this part must be in conformity with 29 CFR part 30, including any amendments thereto.

c. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section III. 23 CFR 230.111(e)(2). The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeyworkers shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract as provided in 29 CFR 5.5.

6. Subcontracts. The contractor or subcontractor must insert in any subcontracts the clauses set forth in paragraphs (1) through (11) of this section, along with the applicable wage determination(s) and such other clauses or contract modifications as the contracting agency may by appropriate instructions require, and a clause requiring the subcontractors to include these clauses and wage determination(s) in any lower tier subcontracts. The prime contractor is responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this section. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and may be subject to debarment, as appropriate. 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the

contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract as provided in 29 CFR 5.5.

9. Disputes concerning labor standards. As provided in 29 CFR 5.5, disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility. a. By entering into this contract, the contractor certifies that neither it nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of 40 U.S.C. 3144(b) or § 5.12(a).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of 40 U.S.C. 3144(b) or § 5.12(a).

c. The penalty for making false statements is prescribed in the U.S. Code, Title 18 Crimes and Criminal Procedure, 18 U.S.C. 1001.

11. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the DBA, Related Acts, this part, or 29 CFR part 1 or 3;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under the DBA, Related Acts, this part, or 29 CFR part 1 or 3;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under the DBA, Related Acts, this part, or 29 CFR part 1 or 3; or

d. Informing any other person about their rights under the DBA, Related Acts, this part, or 29 CFR part 1 or 3.

IV. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

Pursuant to 29 CFR 5.5(b), the following clauses apply to any Federal-aid construction contract in an amount in excess of $100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchpersons and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek. 29 CFR 5.5.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph 1. of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages and interest from the date of the underpayment. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchpersons and guards, employed in violation of the clause set forth in paragraph 1. of this section, in the sum currently provided in 29 CFR 5.5(b)(2)* for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph 1. of this section.

* $33 as of January 15, 2025 (See 90 FR 1859) as may be adjusted annually by the Department of Labor, pursuant to the Federal Civil Penalties Inflation Adjustment Act of 1990.

3. Withholding for unpaid wages and liquidated damages

a. *Withholding process.* The FHWA or the contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for any unpaid wages; monetary relief, including interest; and liquidated damages required by the clauses set forth in this section on this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract subject to the Contract Work Hours and Safety Standards Act that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to the Contract Work Hours and Safety Standards Act and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with Section III paragraph 2.a. or paragraph 3.a. of this section, or both, over claims to those funds by:

(1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;

(2) A contracting agency for its reprocurement costs;

(3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;

(4) A contractor's assignee(s);

(5) A contractor's successor(s); or

(6) A claim asserted under the Prompt Payment Act, 31 U.S.C. 3901–3907.

4. Subcontracts. The contractor or subcontractor must insert in any subcontracts the clauses set forth in paragraphs 1. through 5. of this section and a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor is responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs 1. through 5. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and associated liquidated damages and may be subject to debarment, as appropriate.

5. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the Contract Work Hours and Safety Standards Act (CWHSSA) or its implementing regulations in this part;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under CWHSSA or this part;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under CWHSSA or this part; or

d. Informing any other person about their rights under CWHSSA or this part.

V. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System pursuant to 23 CFR 635.116.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term “perform work with its own organization” in paragraph 1. of this section refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions: (based on longstanding interpretation)

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
(2) the prime contractor remains responsible for the quality of the work of the leased employees;
(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and
(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract. 23 CFR 635.102.

2. Pursuant to 23 CFR 635.116(a), the contract amount upon which the requirements set forth in paragraph 1. of this section is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. Pursuant to 23 CFR 635.116(c), the contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract. (based on long-standing interpretation of 23 CFR 635.116).

5. The 30-percent self-performance requirement of paragraph (1) is not applicable to design-build contracts; however,

contracting agencies may establish their own self-performance requirements. 23 CFR 635.116(d).

VI. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR Part 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract. 23 CFR 635.108.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR Part 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704). 29 CFR 1926.10.

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

VII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR Part 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 11, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

VIII. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT (42 U.S.C. 7606; 2 CFR 200.88; EO 11738)

This provision is applicable to all Federal-aid construction contracts in excess of $150,000 and to all related subcontracts. 48 CFR 2.101; 2 CFR 200.327.

By submission of this bid/proposal or the execution of this contract or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, subcontractor, supplier, or vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal Highway Administration and the Regional Office of the Environmental Protection Agency. 2 CFR Part 200, Appendix II.

The contractor agrees to include or cause to be included the requirements of this Section in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements. 2 CFR 200.327.

IX. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost $25,000 or more – as defined in 2 CFR Parts 180 and 1200. 2 CFR 180.220 and 1200.220.

1**. Instructions for Certification – First Tier Participants:**

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this

covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction. 2 CFR 180.320.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default. 2 CFR 180.325.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances. 2 CFR 180.345 and 180.350.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900-180.1020, and 1200. “First Tier Covered Transactions” refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). “Lower Tier Covered Transactions” refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). “First Tier Participant” refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). “Lower Tier Participant” refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction. 2 CFR 180.330.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold. 2 CFR 180.220 and 180.300.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. 2 CFR 180.300; 180.320, and 180.325. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. 2 CFR 180.335. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (https://www.sam.gov/). 2 CFR 180.300, 180.320, and 180.325.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default. 2 CFR 180.325.

* * * * *

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.335;

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property, 2 CFR 180.800;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification, 2 CFR 180.700 and 180.800; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default. 2 CFR 180.335(d).

(5) Are not a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(6) Are not a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability (USDOT Order 4200.6 implementing appropriations act requirements).

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal. 2 CFR 180.335 and 180.340.

* * * * *

3. **Instructions for Certification - Lower Tier Participants:**

(Applicable to all subcontracts, purchase orders, and other lower tier transactions requiring prior FHWA approval or estimated to cost $25,000 or more - 2 CFR Parts 180 and 1200). 2 CFR 180.220 and 1200.220.

a. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances. 2 CFR 180.365.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900 – 180.1020, and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. “First Tier Covered Transactions” refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). “Lower Tier Covered Transactions” refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). “First Tier Participant” refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). “Lower Tier Participant” refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated. 2 CFR 1200.220 and 1200.332.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold. 2 CFR 180.220 and 1200.220.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (https://www.sam.gov/), which is compiled by the General Services Administration. 2 CFR 180.300, 180.320, 180.330, and 180.335.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment. 2 CFR 180.325.

* * * * *

4. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

a. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals:

(1) is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.355;

(2) is a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(3) is a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability. (USDOT Order 4200.6 implementing appropriations act requirements)

b. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal.

* * * * *

X. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed $100,000. 49 CFR Part 20, App. A.

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed $100,000 and that all such recipients shall certify and disclose accordingly.

XI. USE OF UNITED STATES-FLAG VESSELS:

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, or any other covered transaction. 46 CFR Part 381.

This requirement applies to material or equipment that is acquired for a specific Federal-aid highway project. 46 CFR 381.7. It is not applicable to goods or materials that come into inventories independent of an FHWA funded-contract.

When oceanic shipments (or shipments across the Great Lakes) are necessary for materials or equipment acquired for a specific Federal-aid construction project, the bidder, proposer, contractor, subcontractor, or vendor agrees:

1. To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels. 46 CFR 381.7.

2. To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, ‘on-board’ commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b)(1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Office of Cargo and Commercial Sealift (MAR-620), Maritime Administration, Washington, DC 20590. (MARAD requires copies of the ocean carrier's (master) bills of lading, certified onboard, dated, with rates and charges. These bills of lading may contain business sensitive information and therefore may be submitted directly to MARAD by the Ocean Transportation Intermediary on behalf of the contractor). 46 CFR 381.7.

ATTACHMENT A - EMPLOYMENT AND MATERIALS PREFERENCE FOR APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS ROAD CONTRACTS (40 U.S.C. sections 14501(d) and 14701 and the Appalachian Regional Commission Code as authorized under 40 U.S.C. section 14302)
This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 40 U.S.C. 14501 allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

FEDERAL AID PROVISIONS

December 1980

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246)

1. The Offeror's or Bidders attention is called to the "Equal Opportunity Clause" and the Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth therein.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

3. Construction contractors which are participating in an approved Hometown Plan (see 41 CFR 60-4.5) are required to comply with the goals of the Hometown Plan with regard to construction work they perform in the area covered by the Hometown Plan. With regard to all their covered construction work, such contractors are required to comply with the following goals:

Goals for Female participation for each trade

AREA COVERED

Goals for women apply nationwide

GOALS AND TIMETABLES

Goals

Timetable	(Percent)
From April 1, 1978 until March 31, 1979	3.1
From April 1, 1979 until March 31, 1980	5.1
From April 1, 1980 until March 31, 1981	6.9

Goals for Minority Participation for Each Trade

County	Goal (Percent)	County	Goal (Percent)
Adair	4	Linn	4
Andrew	3.2	Livingston	10
Atchison	10	McDonald	2.3
Audrain	4	Macon	4
Barry	2.3	Madison	11.4
Barton	2.3	Maries	11.4
Bates	10	Marion	3.1
Benton	10	Mercer	10
Bollinger	11.4	Miller	4
Boone	6.3	Mississippi	11.4
Buchanan	3.2	Moniteau	4
Butler	11.4	Monroe	4
Caldwell	10	Montgomery	11.4
Callaway	4	Morgan	4

Camden	4	New Madrid	26.5
Cape Girardeau	11.4	Newton	2.3
Carroll	10	Nodaway	10
Carter	11.4	Oregon	2.3
Cass	12.7	Osage	4
Cedar	2.3	Ozark	2.3
Chariton	4	Pemiscot	26.5
Christian	2	Perry	11.4
Clark	3.4	Pettis	10
Clay	12.7	Phelps	11.4
Clinton	10	Pike	3.1
Cole	4	Platte	12.7
Cooper	4	Polk	2.3
Crawford	11.4	Pulaski	2.3
Dade	2.3	Putnam	4
Dallas	2.3	Ralls	3.1
Daviess	10	Randolph	4
DeKalb	10	Ray	12.7
Dent	11.4	Reynolds	11.4
Douglas	2.3	Ripley	11.4
Dunklin	26.5	St. Charles	14.7
Franklin	14.7	St. Clair	2.3
Gasconade	11.4	St. Francois	11.4
Gentry	10	Ste. Genevieve	11.4
Greene	2	St. Louis City	14.7
Grundy	10	St. Louis County	14.7
Harrison	10	Saline	10
Henry	10	Schuyler	4
Hickory	2.3	Scotland	4
Holt	10	Scott	11.4
Howard	4	Shannon	2.3
Howell	2.3	Shelby	4
Iron	11.4	Stoddard	11.4
Jackson	12.7	Stone	2.3
Jasper	2.3	Sullivan	4
Jefferson	14.7	Taney	2.3
Johnson	10	Texas	2.3
Knox	4	Vernon	2.3
Laclede	2.3	Warren	11.4
Lafayette	10	Washington	11.4
Lawrence	2.3	Wayne	11.4
Lewis	3.1	Webster	2.3
Lincoln	11.4	Worth	10
		Wright	2.3

These goals are applicable to all of the contractor's construction work (whether or not is Federal or federally assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and nonfederally involved construction.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on Its Implementation of the Equal Opportunity Clause, specific affirmative action obligations

required by the specifications set forth in 41 CFR 60-4.3(a), and its effort to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority, or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

4. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of $10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

5. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" of the county, route and limits described in the proposal for the work.

July 1986

STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY CONSTRUCTION CONTRACT SPECIFICATIONS (EXECUTIVE ORDER 11246

1. As used in these specifications:

   a. "Covered area" means the geographical area described in the solicitation which this contract resulted.

   b. "Director" mean Director, Office of Federal Contract Compliance Programs, United States Department of labor, or any person to who the Director delegates authority;

   c. "Employer Identification Number" means the Federal Social Security number used on the Employer's quarterly Federal Tax Return, U.S. Treasury Department Form 941;

   d. "Minority" includes;

      (i) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin):
      (ii) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);
      (iii) Asian and pacific islander (all persons having origins in any of the original peoples of the Far East, southeast Asia, the Indian Subcontinent, or the Pacific Islands; and
      (iv) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North American and maintain identifiable affiliations through membership and participation or community identifications.

2. Whenever the Contractor, or any Subcontractor at any tier, subcontractors a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of $10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.

3. If the Contract is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through the association, its affirmative

action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with the Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or Subcontractor participating in an approved Plan is individually required to comply with its obligation under the EEO clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse any covered Contractor's or Subcontractors' failure to take good faith efforts to achieve the Plan goals and timetables.

4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7a through 7p of these specifications. The goals set forth in the solicitation from which this contact resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered Construction contractors performing construction work in geographical areas where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. Goals are published periodically in the Federal Register in notice form, and such notices may be obtained from any Office of Federal Contract Compliance Programs office or from Federal procurement contracting officers. The Contractor is expected to make substantially uniform progress toward its goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with who the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.

6. In order for the nonworking training hours or apprentices and trainees to be counted in meeting the goal, such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.

7. The contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be used its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:

    a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and all facilities at which the Contractor's employees are assigned to work. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.

    b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.

    c. Maintain a current file or the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and what action was taken with respect to

each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred not employed by the contractor, this shall be documented in the file with the reason therefore, along with whatever additional actions the Contractor may have taken.

d. Provide immediate written notification to the Director when the union or unions with which the Contractor has as collective bargaining agreement has not referred to the contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.

e. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant of the contractor's employment needs, especially those programs funded or approved by the Department of Labor. The contractor shall provide notice of these programs to the sources complied under 7b above.

f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement by publicizing it in the company newspaper, annual report, etc., by specific review of the policy with all management personnel and with all minority and female employees at least one a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.

g. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with on-site supervisory personnel such as superintendents, General foreman, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, person attending, subject matter discussed, and the disposition of the subject matter.

h. Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media and providing written notification to and discussing the contractor's EEO policy with other Contractors and Subcontractors with who the Contractor does or anticipates doing business.

i. Direct is a recruitment effort, both oral and written, to minority female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance or applicants for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and test to be used in the selection process.

j. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer vacations employment to minority and female youth both on the site and in other areas or contractor's workforce.

k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.

l. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc. such opportunities.

m. Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligation under these specifications are being carried out.

n. Ensure that all facilities and company activities are non-segregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.

o. Document and maintain a record of all solicitations or offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.

p. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.

8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (7a through 7p). The efforts of a contractor association, joint contractor union, contractor community, or other similar group of which the contractor is a member and participant, may be asserted as fulfilling anyone or more of its obligations under 7a through 7p of these specifications provided that the contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the contractor's minority and female workforce participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.

9. A single goal for minorities and a separate single goal for women have been established to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the group is employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the executive order if a specific minority group of women is underutilized).

10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.

11. The Contractor shall not enter into any Subcontract with any person or firm debarred from Government contract pursuant to Executive Order 11246.

12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.

13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications,

so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Direct shall proceed in accordance with 41 CFR 60-4.8.

14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out to submit reports relating to the provisions hereof as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status, (e.g. mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rat of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.

15. Nothing herein provided shall be constructed as a limitation upon the application of other laws which establish different standard of compliance or upon the application of requirements for the hiring of local or other area residents (e.g. those under the Public Works Employment Action of 1977 and the Community Development Block Grant Program.

OPERATING POLICY STATEMENT

The contractor shall accept as his operating policy the following statement, or one of equal coverage, which is designed to further the provision of equal employment opportunity to all persons without regard to their race, color, religion, sex, or national origin, and to promote the full realization of equal employment opportunity through a positive continuing program.

“It is the policy of this company to assure that applicants are employed, and that employees are treated during employment without regard to their race, religion, sex, color, or national origin. Such action shall include: employment, upgrading, demotion, or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training.”

SUPPLEMENTAL REPORTING REQUIREMENTS

A. The Contractor will keep such records as are necessary to determine compliance with the contractor’s equal employment opportunity obligations. The records kept by the contractor will be designed to indicate the number of minority and non-minority group members and women employed in each work classification on the project.

B. All such records must be retained for a period of three years following completion of the contract work and shall be available at reasonable times and places for inspection by authorized representatives of the State Highway Agency and the Federal Highway Administration.

C. The contractor and each covered subcontractor will submit to the State Highway Agency, for the month of July, for the duration of the project, a report (Form PR-1391) “Federal-Aid Highway Construction Contractors Annual EEO Report”, indicating the number of minority, women and non-minority group employees currently engaged in each work classification required by the contract work.

NONDISCRIMINATION IN EMPLOYMENT

July 1990

The following provisions are added by the State to the Required Contract Provisions of Federal-Aid Contracts.

The contractor is advised that the exemptions referred to in the Required Contract Provisions, Federal-Aid contracts under Section II, Nondiscrimination, Paragraph 3g, with respect to contracts and subcontracts, are substantial and are to be found in Chapter 60, Office of Federal Contract Compliance, Equal Employment Opportunity, Department of Labor (33 Federal Register 7804-7812, May 28, 1968, effective July 1, 1968, Chapter 60, Title 41, Code of Federal Regulations), by which contracts and subcontracts of $10,000 or less and certain contracts and subcontracts for indefinite quantities are exempt.

The two pertinent exemption clauses are as follows:

60-1.5 Exemptions

(a) General – (1) Transactions of $10,000 or under. Contracts and Subcontractors not exceeding $10,000, other than Government bills of lading, and other than contract and subcontracts with depositories of Federal funds in any amount and with financial institutions which are issuing and paying agents for U.S. savings bonds and savings notes, are exempt from the requirements of the equal opportunity clause. In determining the applicability of this exemption to any federally assisted construction contract, or subcontract thereunder, the amount of such contract or subcontract rather than the amount of the Federal financial assistance shall govern. No agency, contractor, or subcontractor shall procure supplies or services in a manner so as to avoid applicability of the equal opportunity clause: Provided, that where a contractor has contracts or subcontracts with the Government in any 12-month period which have an aggregate total value (or can reasonably be expected to have an aggregate total value) exceeding $10,000, the $10,000 or under exemption does not apply, and the contracts are subject to the order and the regulation issued pursuant thereto regardless of whether any single contracts exceeds $10,000.

Missouri
Division of Labor Standards
WAGE AND HOUR SECTION

MIKE KEHOE, Governor

Annual Wage Order No. 33

Section 100
ST. LOUIS COUNTY

In accordance with Section 290.262 RSMo 2000, within thirty (30) days after a certified copy of this Annual Wage Order has been filed with the Secretary of State as indicated below, any person who may be affected by this Annual Wage Order may object by filing an objection in triplicate with the Labor and Industrial Relations Commission, P.O. Box 599, Jefferson City, MO 65102-0599. Such objections must set forth in writing the specific grounds of objection. Each objection shall certify that a copy has been furnished to the Division of Labor Standards, P.O. Box 449, Jefferson City, MO 65102-0449 pursuant to 8 CSR 20-5.010(1). A certified copy of the Annual Wage Order has been filed with the Secretary of State of Missouri.

Original Signed by
Logan Hobbs, Director
Division of Labor Standards

Filed With Secretary of State: **March 10, 2026**

Last Date Objections May Be Filed: **April 9, 2026**

Prepared by Missouri Department of Labor and Industrial Relations

ST. LOUIS COUNTY

OCCUPATIONAL TITLE	**Prevailing Hourly Rate
Asbestos Worker	$72.26
Boilermaker	$44.93*
Bricklayer - Stone Mason	$65.89
Carpenter	$69.38
Lather	
Linoleum Layers & Cutter	
Millwright	
Pile Driver	
Cement Mason	$61.40
Plasterer	
Communication Technician	$67.84
Electrician (Inside Wireman)	$79.41
Electrician (Outside Lineman)	$44.93*
Outside - Groundman	
Outside - Groundman Tree Trimmer	
Outside - Lineman Operator	
Outside - Lineman Tree Trimmer	
Elevator Constructor	$106.30
Glazier	$71.63
Iron Worker	$75.80
Laborer	$58.92
Laborer - First Semi-Skilled	
Laborer - General	
Laborer - Second Semi-Skilled	
Laborer - Skilled	
Mason	$57.31
Marble Finisher	
Marble Mason	
Terrazzo Finisher	
Terrazzo Worker	
Tile Finisher	
Tile Setter	
Operating Engineer	$76.62
Operating Engineer - Group I	
Operating Engineer - Group II	
Operating Engineer - Group III	
Operating Engineer - Group III - A	
Operating Engineer - Group IV	
Operating Engineer - Group V	
Painter	$57.67
Plumber	$83.99
Pipe Fitter	
Roofer/WaterProofer	$62.13
Sheet Metal Worker	$78.63
Sprinkler Fitter - Fire Protection	$88.12
Truck Driver	$44.93*
Truck Control Service Driver	
Truck Driver, Teamsters Group I	
Truck Driver, Teamsters Group II	
Truck Driver, Teamsters Group III	
Truck Driver, Teamsters Group IV	

*** The Division of Labor Standards received fewer than 1,000 reportable hours for this occupational title. The public works contracting minimum wage is established for this occupational title using data provided by Missouri Economic Research and Information Center.**

****The Prevailing Hourly Rate includes any applicable fringe benefit amounts for each occupational title as defined in RSMo Section 290.210.**

ST. LOUIS COUNTY

OCCUPATIONAL TITLE	**Prevailing Hourly Rate
Carpenter	$70.28
Millwright	
Pile Driver	
Electrician (Outside Lineman)	$77.51
Outside - Groundman	
Outside - Groundman Tree Trimmer	
Outside - Lineman Operator	
Outside - Lineman Tree Trimmer	
Laborer	$59.45
Laborer - General	
Laborer - Skilled	
Operating Engineer	$76.52
Operating Engineer - Group I	
Operating Engineer - Group II	
Operating Engineer - Group III	
Operating Engineer - Group IV	
Truck Driver	$40.45
Truck Control Service Driver	
Truck Driver, Teamsters Group I	
Truck Driver, Teamsters Group II	
Truck Driver, Teamsters Group III	
Truck Driver, Teamsters Group IV	

Use Heavy Construction Rates on Highway and Heavy construction in accordance iwth the classifications of construction work established in 8 CSR 30-3.040(3).

Use Building Construction Rates on Building construction in accordance with the classifications of construction work established in 8 CSR 30-3.040(2).

If a worker is performing work on a heavy construction project within an occupational title that is not listed on the Heavy Construction Rate Sheet, use the rate for that occupational title shown on the Building Construction Rate Sheet.

*The Division of Labor Standards received fewer than 1,000 reportable hours for this occupational title. Public works contracting minimum wage is established for this occupational title using data provided by Missouri Economic Research and Information Center.

**The Prevailing Hourly Rate includes any applicable fringe benefit amounts for each occupational title.

OVERTIME
and
HOLIDAYS

OVERTIME

For all work performed on a Sunday or a holiday, not less than twice (2x) the prevailing hourly rate of wages for work of a similar character in the locality in which the work is performed or the public works contracting minimum wage, whichever is applicable, shall be paid to all workers employed by or on behalf of any public body engaged in the construction of public works, exclusive of maintenance work.

For all overtime work performed, not less than one and one-half (1½) the prevailing hourly rate of wages for work of a similar character in the locality in which the work is performed or the public works contracting minimum wage, whichever is applicable, shall be paid to all workers employed by or on behalf of any public body engaged in the construction of public works, exclusive of maintenance work or contractual obligation. For purposes of this subdivision, **"overtime work"** shall include work that exceeds ten hours in one day and work in excess of forty hours in one calendar week; and

A thirty-minute lunch period on each calendar day shall be allowed for each worker on a public works project, provided that such time shall not be considered as time worked.

HOLIDAYS

January first;
The last Monday in May;
July fourth;
The first Monday in September;
November eleventh;
The fourth Thursday in November; and
December twenty-fifth;

If any holiday falls on a Sunday, the following Monday shall be considered a holiday.

"General Decision Number: MO20260001 07/30/2026

State: Missouri

Construction Types: Heavy and Highway

Counties: Missouri Counties of
Adair, Andrew, Atchison, Audrain, Barry,
Barton, Bates, Benton, Bollinger, Boone,
Buchanan, Butler, Caldwell, Callaway,
Camden, Cape Girardeau, Carroll, Carter,
Cass, Cedar, Chariton, Christian, Clark,
Clay, Clinton, Cole, Cooper, Crawford,
Dade, Dallas, Daviess, De Kalb, Dent,
Douglas, Dunklin, Franklin, Gasconade,
Gentry, Greene, Grundy, Harrison, Henry,
Hickory, Holt, Howard, Howell, Iron,
Jackson, Jasper, Jefferson, Johnson,
Knox, Laclede, Lafayette, Lawrence,
Lewis, Lincoln, Linn, Livingston, Macon,
Madison, Maries, Marion, McDonald,
Mercer, Miller, Mississippi, Moniteau,
Monroe, Montgomery, Morgan, New Madrid,
Newton, Nodaway, Oregon, Osage, Ozark,
Pemiscot, Perry, Pettis, Phelps, Pike,
Platte, Polk, Pulaski, Putnam, Ralls,
Randolph, Ray, Reynolds, Ripley, Saline,
Schuyler, Scotland, Scott, Shannon,
Shelby, St Charles, St Clair, St
Francois, St Louis, St Louis City, Ste
Genevieve, Stoddard, Stone, Sullivan,
Taney, Texas, Vernon, Warren,
Washington, Wayne, Webster, Worth and
Wright

Heavy Construction

Highway Construction

Modification Number	Publication Date
1	01/09/2026
2	05/18/2026
3	07/30/2026

CARP0002-002 05/01/2024

	Rates	Fringes
CARPENTERS (ST. LOUIS COUNTY AND CITY)	$ 41.71	21.85

CARP0005-006 05/01/2024

	Rates	Fringes
CARPENTERS: CARPENTERS & LATHERS (CASS (RICHARDS-GEBAUER AFB ONLY), CLAY, JACKSON, PLATTE AND RAY COUNTIES)	$ 44.63	22.40
CARPENTERS: MILLWRIGHTS & PILEDRIVERS (CASS (RICHARDS-GEBAUER AFB ONLY), CLAY, JACKSON, PLATTE		

AND RAY COUNTIES).....$ 44.63 22.40

CARP0011-001 05/01/2024

	Rates	Fringes
CARPENTER AND PILEDRIVER (ADAIR, AUDRAIN (WEST OF HWY 19), BOONE, CALLAWAY, CHARITON, COLE, COOPER, HOWARD, KNOX,LINN, MACON, MILLER, MONITEAU,MONROE, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SHELBY AND SULLIVAN COUNTIES)	$ 35.61	22.40
CARPENTER AND PILEDRIVER (ATCHISON, ANDREW, BATES, CALDWELL, CARROLL,DAVIESS, DEKALB,GENTRY, GRUNDY, HARRISON, HENRY, HOLT, LIVINGSTON, MERCER, NODAWAY,ST. CLAIR, SALINE AND WORTH COUNTIES)	$ 34.98	22.40
CARPENTER AND PILEDRIVER (AUDRAIN (EAST OF HWY.19), RALLS, MARION, LEWIS, CLARK AND SCOTLAND COUNTIES)	$ 35.61	22.40
CARPENTER AND PILEDRIVER (BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY,JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES)	$ 33.25	22.40
CARPENTER AND PILEDRIVER (BENTON, MORGAN AND PETTIS)	$ 34.98	22.40
CARPENTER AND PILEDRIVER (BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MISSISSIPPI, NEW MADRID, PEMISCOT, PERRY, STE. GENEVIEVE, SCOTT, STODDARD AND WAYNE COUNTIES)	$ 35.37	22.40
CARPENTER AND PILEDRIVER (BUCHANAN, CLINTON, JOHNSON AND LAFAYETTE COUNTIES)	$ 34.98	22.40
CARPENTER AND PILEDRIVER (CARTER, HOWELL, OREGON AND RIPLEY COUNTIES)	$ 34.04	22.40
CARPENTER AND PILEDRIVER (CRAWFORD, DENT, GASCONADE, IRON, MADISON, MARIES, MONTGOMERY, PHELPS, PULASKI, REYNOLDS, SHANNON AND TEXAS COUNTIES)	$ 35.37	22.40
CARPENTER AND PILEDRIVER (FRANKLIN COUNTY)	$ 42.19	22.40
CARPENTER AND PILEDRIVER (JEFFERSON AND ST. CHARLES COUNTIES)	$ 42.19	22.40
CARPENTER AND PILEDRIVER (LINCOLN COUNTY)	$ 38.04	22.40
CARPENTER AND PILEDRIVER (PIKE, ST. FRANCOIS AND WASHINGTON COUNTIES)	$ 36.13	22.40
CARPENTER AND PILEDRIVER (WARREN COUNTY)	$ 38.04	22.40

ELEC0001-002 06/22/2025

	Rates	Fringes
ELECTRICIANS (BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, FRANKLIN, IRON, JEFFERSON, LINCOLN, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, PERRY,REYNOLDS, RIPLEY, ST. CHARLES, ST. FRANCOIS, ST. LOUIS (CITY AND COUNTY), STE. GENEVIEVE, SCOTT, STODDARD, WARREN, WASHINGTON AND WAYNE COUNTIES)	$ 49.29	33.64

ELEC0002-001 08/31/2025

	Rates	Fringes
LINE CONSTRUCTION:: EQUIPMENT OPERATOR (ADAIR, AUDRAIN, BOONE, CALLAWAY, CAMDEN, CARTER, CHARITON, CLARK, COLE, COOPER, CRAWFORD, DENT, FRANKLIN, GASCONADE, HOWARD, HOWELL, IRON, JEFFERSON, KNOX, LEWIS, LINCON, LINN, MACON, MARIES, MARION, MILLER, MONITEAU, MONROE, MONTGOMERY, MORGAN, OREGON, OSAGE, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. CHARLES, ST.		

FRANCOIS, ST. LOUIS (CITY AND COUNTY), STE. GENEVIEVE, SCHUYLER, SCOTLAND, SHANNON, SHELBY, SULLIVAN, TEXAS.....$ 49.68 25.63

LINE CONSTRUCTION:: GROUNDMAN & TRUCK DRIVER (ADAIR, AUDRAIN, BOONE, CALLAWAY, CAMDEN, CARTER, CHARITON, CLARK, COLE, COOPER, CRAWFORD, DENT, FRANKLIN, GASCONADE, HOWARD, HOWELL, IRON, JEFFERSON, KNOX, LEWIS, LINCON, LINN, MACON, MARIES, MARION, MILLER, MONITEAU, MONROE, MONTGOMERY, MORGAN, OREGON, OSAGE, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. CHARLES, ST. FRANCOIS, ST. LOUIS (CITY AND COUNTY), STE. GENEVIEVE, SCHUYLER, SCOTLAND, SHANNON, SHELBY, SULLI.....$ 37.95 21.35

LINE CONSTRUCTION:: LINEMAN & CABLE SPLICER (ADAIR, AUDRAIN, BOONE, CALLAWAY, CAMDEN, CARTER, CHARITON, CLARK, COLE, COOPER, CRAWFORD, DENT, FRANKLIN, GASCONADE, HOWARD, HOWELL, IRON, JEFFERSON, KNOX, LEWIS, LINCON, LINN, MACON, MARIES, MARION, MILLER, MONITEAU, MONROE, MONTGOMERY, MORGAN, OREGON, OSAGE, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. CHARLES, ST. FRANCOIS, ST. LOUIS (CITY AND COUNTY), STE. GENEVIEVE, SCHUYLER, SCOTLAND, SHANNON, SHELBY, SULLIV.....$ 57.88 28.63

ELEC0053-005 08/31/2025

	Rates	Fringes
LINE CONSTRUCTION: GROUNDMAN (ANDREW, ATCHINSON, BARRY, BARTON, BATES, BENTON, BUCHANAN, CALDWELL, CARROLL, CASS, CEDAR, CHRISTIAN, CLAY, CLINTON, DADE, DALLAS, DAVIES, DEKALB, DOUGLAS, GENTRY, GREENE, GRUNDY, HARRISON, HENRY, HICKORY, HOLT, LAFAYETTE, JACKSON, JASPER, LACLEDE, LAWRENCE, LIVINGSTON, JOHNSON, MCDONALD, MERCER, NEWTON, NODAWAY, OZARK, PETTIS, PLATTE, POLK, RAY, SALINE, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, WORTH AND WRIGHT COUNTIES)	$ 35.86	25.88
LINE CONSTRUCTION: GROUNDMAN POWDERMAN (ANDREW, ATCHINSON, BARRY, BARTON, BATES, BENTON, BUCHANAN, CALDWELL, CARROLL, CASS, CEDAR, CHRISTIAN, CLAY, CLINTON, DADE, DALLAS, DAVIES, DEKALB, DOUGLAS, GENTRY, GREENE, GRUNDY, HARRISON, HENRY, HICKORY, HOLT, LAFAYETTE, JACKSON, JASPER, LACLEDE, LAWRENCE, LIVINGSTON, JOHNSON, MCDONALD, MERCER, NEWTON, NODAWAY, OZARK, PETTIS, PLATTE, POLK, RAY, SALINE, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, WORTH AND WRIGHT COUNTIES)	$ 38.44	20.76
LINE CONSTRUCTION: LINEMAN (ANDREW, ATCHINSON, BARRY, BARTON, BATES, BENTON, BUCHANAN, CALDWELL, CARROLL, CASS, CEDAR, CHRISTIAN, CLAY, CLINTON, DADE, DALLAS, DAVIES, DEKALB, DOUGLAS, GENTRY, GREENE, GRUNDY, HARRISON, HENRY, HICKORY, HOLT, LAFAYETTE, JACKSON, JASPER, LACLEDE, LAWRENCE, LIVINGSTON, JOHNSON, MCDONALD, MERCER, NEWTON, NODAWAY, OZARK, PETTIS, PLATTE, POLK, RAY, SALINE, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, WORTH AND WRIGHT COUNTIES)	$ 58.15	27.56
LINE CONSTRUCTION: LINEMAN OPERATOR (ANDREW, ATCHINSON, BARRY, BARTON, BATES, BENTON, BUCHANAN, CALDWELL, CARROLL, CASS, CEDAR, CHRISTIAN, CLAY, CLINTON, DADE, DALLAS, DAVIES, DEKALB, DOUGLAS, GENTRY, GREENE, GRUNDY, HARRISON, HENRY, HICKORY, HOLT, LAFAYETTE, JACKSON, JASPER, LACLEDE,		

LAWRENCE, LIVINGSTON, JOHNSON, MCDONALD, MERCER, NEWTON, NODAWAY, OZARK, PETTIS, PLATTE, POLK, RAY, SALINE, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, WORTH AND WRIGHT COUNTIES).....$ 52.45 20.13

ELEC0095-001 06/01/2025

	Rates	Fringes
ELECTRICIANS: ELECTRICIANS (BARRY, BARTON, CEDAR, DADE, JASPER, LAWRENCE, MCDONALD, NEWTON, ST CLAIR, AND VERNON COUNTIES)	$ 32.25	20.81

ELEC0124-007 09/01/2025

	Rates	Fringes
ELECTRICIANS (BATES, BENTON, CARROLL, CASS, CLAY, COOPER, HENRY, JACKSON, JOHNSON, LAFAYETTE, MORGAN, PETTIS, PLATTE, RAY AND SALINE COUNTIES:)	$ 54.01	27.85

ELEC0257-003 03/01/2025

	Rates	Fringes
ELECTRICIANS:: ELECTRICIANS (AUDRAIN (EXCEPT CUIVRE TOWNSHIP), BOONE, CALLAWAY, CAMDEN, CHARITON, COLE, CRAWFORD, DENT, GASCONADE, HOWARD, MARIES, MILLER, MONITEAU, OSAGE, PHELPS AND RANDOLPH COUNTIES)	$ 40.50	23.26

ELEC0350-002 12/01/2024

	Rates	Fringes
ELECTRICIANS (ADAIR, AUDRAIN (EAST OF HIGHWAY 19), CLARK, KNOX, LEWIS, LINN, MACON, MARION, MONROE, MONTGOMERY, PIKE, PUTNAM, RALLS, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES)	$ 37.60	22.14

ELEC0453-001 09/01/2024

	Rates	Fringes
ELECTRICIANS: (CHRISITAN, DALLAS, DOUGLAS, GREENE, HICKORY, HOWELL, LACLEDE, OREGON, OZARK, POLK, SHANNON, WEBSTER AND WRIGHT COUNTIES)	$ 32.40	19.11
ELECTRICIANS: (PULASKI AND TEXAS COUNTIES)	$ 39.70	19.84
ELECTRICIANS: (STONE AND TANEY COUNTIES)	$ 28.65	18.34

ELEC0545-003 06/01/2025

	Rates	Fringes
ELECTRICIANS: (ANDREW, BUCHANAN, CLINTON, DEKALB, ATCHISON, HOLT, MERCER, GENTRY, HARRISON, DAVIESS, GRUNDY, WORTH, LIVINGSTON, NODAWAY, AND CALDWELL COUNTIES)	$ 43.20	21.50

ELEC0702-004 01/06/2025

	Rates	Fringes
LINE CONSTRUCTION:: GROUNDMAN - CLASS A (BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, SCOTT, STODDARD AND WAYNE COUNTIES)	$ 38.18	19.92
LINE CONSTRUCTION:: GROUNDMAN-EQUIPMENT OPERATOR CLASS II (ALL OTHER EQUIPMENT) (BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, SCOTT, STODDARD AND WAYNE COUNTIES)	$ 46.49	22.33
LINE CONSTRUCTION:: HEAVY-EQUIPMENT OPERATOR CLASS		

I (ALL CRAWLER TYPE EQUIPMENT D-4 AND LARGER) (BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, SCOTT, STODDARD AND WAYNE COUNTIES).....$ 52.13 23.97
LINE CONSTRUCTION:: LINEMAN (BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, SCOTT, STODDARD AND WAYNE COUNTIES).....$ 74.55 30.47

ENGI0101-001 05/01/2025

	Rates	Fringes
POWER EQUIPMENT OPERATORS: GROUP 1 AREA 1.....	$ 38.83	21.87
POWER EQUIPMENT OPERATORS: GROUP 2 AREA 1.....	$ 38.43	21.87
POWER EQUIPMENT OPERATORS: GROUP 3 AREA 1.....	$ 36.43	21.87

ENGI0101-005 04/01/2025

	Rates	Fringes
POWER EQUIPMENT OPERATORS: GROUP 1 (CASS, CLAY, JACKSON,PLATTE AND RAY COUNTIES).....	$ 40.17	22.29
POWER EQUIPMENT OPERATORS: GROUP 2 (CASS, CLAY, JACKSON,PLATTE AND RAY COUNTIES).....	$ 39.13	22.29
POWER EQUIPMENT OPERATORS: GROUP 3 (CASS, CLAY, JACKSON,PLATTE AND RAY COUNTIES).....	$ 34.66	22.29
POWER EQUIPMENT OPERATORS: GROUP 4 (CASS, CLAY, JACKSON,PLATTE AND RAY COUNTIES).....	$ 38.01	22.29

ENGI0101-022 05/01/2025

	Rates	Fringes
POWER EQUIPMENT OPERATORS: GROUP 1 (BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES and CITY OF SPRINGFIELD).....	$ 36.60	19.32
POWER EQUIPMENT OPERATORS: GROUP 2 (BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES and CITY OF SPRINGFIELD).....	$ 36.25	19.32
POWER EQUIPMENT OPERATORS: GROUP 3 (BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES and CITY OF SPRINGFIELD).....	$ 36.05	19.32
POWER EQUIPMENT OPERATORS: GROUP 4 (BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES and CITY OF SPRINGFIELD).....	$ 34.00	19.32

ENGI0513-004 05/05/2025

	Rates	Fringes
POWER EQUIPMENT OPERATORS: GROUP 1 (FRANKLIN, JEFFERSON, LINCOLN, ST CHARLES, AND WARREN COUNTIES).....	$ 45.96	30.96
POWER EQUIPMENT OPERATORS: GROUP 2 (FRANKLIN, JEFFERSON, LINCOLN, ST CHARLES, AND WARREN COUNTIES).....	$ 45.96	30.96

POWER EQUIPMENT OPERATORS: GROUP 3 (FRANKLIN, JEFFERSON, LINCOLN, ST CHARLES, AND WARREN COUNTIES).....$ 44.66 30.96
POWER EQUIPMENT OPERATORS: GROUP 4 (FRANKLIN, JEFFERSON, LINCOLN, ST CHARLES, AND WARREN COUNTIES).....$ 44.22 30.96

ENGI0513-006 05/01/2025

	Rates	Fringes
POWER EQUIPMENT OPERATORS: GROUP 1 (ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY, CAPE GIRARDEAU, CARTER, CLARK, COLE, CRAWFORD, DENT, DUNKLIN, GASCONADE, HOWELL, IRON, KNOX, LEWIS, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY, MORGAN, NEW MADRID, OREGON, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. FRANCOIS, STE. GENEVIEVE, SCHUYLER, SCOTLAND, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON, AND WAY.....	$ 40.39	30.33
POWER EQUIPMENT OPERATORS: GROUP 2 (ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY, CAPE GIRARDEAU, CARTER, CLARK, COLE, CRAWFORD, DENT, DUNKLIN, GASCONADE, HOWELL, IRON, KNOX, LEWIS, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY, MORGAN, NEW MADRID, OREGON, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. FRANCOIS, STE. GENEVIEVE, SCHUYLER, SCOTLAND, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON, AND WAY.....	$ 40.04	30.33
POWER EQUIPMENT OPERATORS: GROUP 3 (ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY, CAPE GIRARDEAU, CARTER, CLARK, COLE, CRAWFORD, DENT, DUNKLIN, GASCONADE, HOWELL, IRON, KNOX, LEWIS, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY, MORGAN, NEW MADRID, OREGON, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. FRANCOIS, STE. GENEVIEVE, SCHUYLER, SCOTLAND, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON, AND WAY.....	$ 39.84	30.33
POWER EQUIPMENT OPERATORS: GROUP 4 (ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY, CAPE GIRARDEAU, CARTER, CLARK, COLE, CRAWFORD, DENT, DUNKLIN, GASCONADE, HOWELL, IRON, KNOX, LEWIS, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY, MORGAN, NEW MADRID, OREGON, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. FRANCOIS, STE. GENEVIEVE, SCHUYLER, SCOTLAND, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON, AND WAY.....	$ 36.19	30.33

ENGI0513-007 05/05/2025

	Rates	Fringes
POWER EQUIPMENT OPERATORS: GROUP 1 (ST. LOUIS CITY AND COUNTY).....	$ 45.96	30.96
POWER EQUIPMENT OPERATORS: GROUP 2 (ST. LOUIS CITY AND COUNTY).....	$ 45.96	30.96
POWER EQUIPMENT OPERATORS: GROUP 3 (ST. LOUIS CITY AND COUNTY).....	$ 44.66	30.96
POWER EQUIPMENT OPERATORS: GROUP 4 (ST. LOUIS CITY		

AND COUNTY).....$ 44.22 30.96

IRON0010-012 04/01/2025

	Rates	Fringes
IRONWORKERS: (ANDREW, BARTON, BENTON, CAMDEN, CEDAR, CHARITON, CHRISTIAN, COOPER, DADE, DALLAS, DAVIESS, DE KALB, GENTRY, GREENE, GRUNDY, HARRISON, HICKORY, HOLT, HOWARD, LACLEDE, LINN, LIVINGSTON, MERCER, MONITEAU, MORGAN, NODAWAY, PETTIS, POLK, PUTNAM, RANDLOPH, ST. CLAIR, SULLIVAN, TANEY, VERNON, WEBSTER, WRIGHT AND WORTH COUNTIES AND PORTIONS OF ADAIR, BOONE, MACON, MILLER AND RANDOLPH COUNTIES)	$ 36.00	34.25
IRONWORKERS: (ATCHISON, BATES, BUCHANAN, CALDWELL, CARROLL, CASS, CLAY, CLINTON, HENRY, JACKSON, JOHNSON, LAFAYETTE, PETTIS, PLATTE, SALINE, AND RAY COUNTIES)	$ 39.00	34.25

IRON0010-020 04/01/2025

	Rates	Fringes
IRONWORKERS: (BARRY, JASPER, LAWRENCE, MCDONALD, NEWTON AND STONE COUNTIES)	$ 36.00	34.25

IRON0321-002 08/01/2023

	Rates	Fringes
IRONWORKER (DOUGLAS, HOWELL AND OZARK COUNTIES)	$ 27.00	20.96

IRON0396-004 08/06/2025

	Rates	Fringes
IRONWORKER (ST. LOUIS (CITY AND COUNTY), ST. CHARLES, JEFFERSON, IRON, FRANKLIN, LINCOLN, WARREN, WASHINGTON, ST. FRANCOIS, STE. GENEVIEVE, AND REYNOLDS COUNTIES; AND PORTIONS OF MADISON, PERRY, BOLLINGER, WAYNE, AND CARTER COUNTIES)	$ 44.27	31.65

IRON0396-009 08/07/2024

	Rates	Fringes
IRONWORKER (AUDRAIN, CALLAWAY, COLE, CRAWFORD, DENT, GASCONADE, MARIES, MONTGOMERY, OSAGE, PHELPS, PIKE, PULASKI, TEXAS AND WRIGHT COUNTIES; AND PORTIONS OF BOONE, CAMDEN, DOUGLAS, HOWELL, LACLEDE, MILLER, MONROE, OREGON, SHANNON AND RALLS COUNTIES)	$ 41.67	31.25

IRON0577-005 06/01/2025

	Rates	Fringes
IRONWORKER (ADAIR, CLARK, KNOX, LEWIS, MACON, MARION, MONROE, RALLS, SCHUYLER, SCOTLAND, AND SHELBY COUNTIES)	$ 36.30	25.80

IRON0782-003 08/01/2023

	Rates	Fringes
IRONWORKERS:: ALL OTHER WORK (CAPE GIRARDEAU, MISSISSIPPI, NEW MADRID, SCOTT, & STODDARD COUNTIES; AND PORTIONS OF BOLLINGER, BUTLER, CARTER, DUNKLIN, MADISON, PEMISCOT, PERRY, RIPLEY, AND WAYNE COUNTIES)	$ 33.47	24.12
IRONWORKERS:: LOCKS, DAMS, BRIDGES AND OTHER MAJOR		

WORK ON THE MISSISSIPPI AND OHIO RIVER ONLY (CAPE GIRARDEAU, MISSISSIPPI, NEW MADRID, SCOTT, & STODDARD COUNTIES; AND PORTIONS OF BOLLINGER, BUTLER, CARTER, DUNKLIN, MADISON, PEMISCOT, PERRY, RIPLEY, AND WAYNE COUNTIES).....$ 38.77 29.51

LABO0042-003 06/04/2025

	Rates	Fringes
LABORER: PLUMBER LABORER (ST. LOUIS (CITY AND COUNTY))	$ 40.82	17.56

LABO0042-005 06/04/2025

	Rates	Fringes
LABORER: DYNAMITER, POWDERMAN (ST. LOUIS (CITY AND COUNTY))	$ 40.82	17.56
LABORER: LABORERS, FLAGGERS (ST. LOUIS (CITY AND COUNTY))	$ 40.82	17.56
LABORER: WRECKING (ST. LOUIS (CITY AND COUNTY))	$ 40.82	17.56

LABO0110-005 05/01/2025

	Rates	Fringes
LABORER GROUP 1 GENERAL LABORER-FLAGMAN, CARPENTER TENDERS; SALAMANDER TENDERS; DUMP MAN; TICKET TAKERS; LOADING TRUCKS UNDER BINS, HOPPERS, AND CONVEYORS; TRACK MAN; CEMENT HANDLER; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; SPREADER ON ASPHALT MACHINE; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP PAVERS ROCK, BLOCK OR BRICK; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIP MAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLING, OIL, DRAINAGE PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR; ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; FORM SETTERS, PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND HANDLING EPOXY MATERIAL; TOPPER OF STANDING TREES; FEEDER MAN ON WOOD PULVERIZERS, BOARD AND WILLOW MAT WEAVERS AND CABELEE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FT. WHERE COMPRESSED AIR IS NOT USED; ABUTEMENT AND PIER HOLE MEN WORKING SIX (6) FT. OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTING IN THE RIVER; BARCO TAMPER; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; LINERS, CURB, GUTTERS, DITCH LINES; HOT MASTIC KETTLEMEN; HOT TAR APPLICATOR; HAND BLADE OPERATOR; MORTAR MEN OR BRICK OR BLOCK MANHOLES; RUBBING CONCRETE, AIR TOOL OPERATOR UNDER 65 LBS.; CAULKER AND LEAD MAN; CHAIN OR CONCRETE SAW UNDER 15 H.P.; SIGNAL GAN; GUARD RAIL AND SIGN ERECTORS. (WASHINGTON COUNTY).	$ 37.25	15.96
LABORER GROUP 2 SKILLED LABORERS - VIBRATOR MAN; ASPHALT RAKER; HEAD PIPE LAYER ON SEWER WORK; BATTERBOARD MAN ON PIPE AND DITCH WORK; CLIFF SCALERS WORKING FROM BOSUN'S CHAIRS; SCAFFOLDS OR PLATFORMS ON DAMS OR POWER PLANTS OVER 10 FT. HIGH; AIR TOOL OPERATOR OVER 65 LBS.; STRINGLINE MAN ON		

CONCRETE PAVING; SANDBLAST MAN; LASER BEAM MAN; WAGON DRILL; CHURN DRILL; AIR TRACK DRILL AND ALL OTHER SIMILAR TYPE DRILLS, GUNITE NOZZLE MAN; PRESSURE GROUT MAN; SCREED MAN ON ASPHALT; CONCRETE SAW 15 H.P. AND OVER; GRADE CHECKER; STRIGLINE MAN ON ELECTRONIC GRADE CONTROL; MANHOLE BUILDER; DYNAMITE MAN; POWDER MAN; WELDER; TUNNEL MAN; WATERBLASTER - 1000 PSI OR OVER; ASBESTOS AND/OR HAZARDOUS WASTE REMOVAL AND/OR DISPOSAL (WASHINGTON COUNTY).....$ 37.25 15.96

LABORER: GROUP 1 GENERAL LABORER-FLAGMAN, CARPENTER TENDERS; SALAMANDER TENDERS; DUMP MAN; TICKET TAKERS; LOADING TRUCKS UNDER BINS, HOPPERS, AND CONVEYORS; TRACK MAN; CEMENT HANDLER; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; SPREADER ON ASPHALT MACHINE; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP PAVERS ROCK, BLOCK OR BRICK; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIP MAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLING, OIL, DRAINAGE PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR; ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; FORM SETTERS, PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND HANDLING EPOXY MATERIAL; TOPPER OF STANDING TREES; FEEDER MAN ON WOOD PULVERIZERS, BOARD AND WILLOW MAT WEAVERS AND CABELEE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FT. WHERE COMPRESSED AIR IS NOT USED; ABUTEMENT AND PIER HOLE MEN WORKING SIX (6) FT. OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTING IN THE RIVER; BARCO TAMPER; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; LINERS, CURB, GUTTERS, DITCH LINES; HOT MASTIC KETTLEMEN; HOT TAR APPLICATOR; HAND BLADE OPERATOR; MORTAR MEN OR BRICK OR BLOCK MANHOLES; RUBBING CONCRETE, AIR TOOL OPERATOR UNDER 65 LBS.; CAULKER AND LEAD MAN; CHAIN OR CONCRETE SAW UNDER 15 H.P.; SIGNAL GAN; GUARD RAIL AND SIGN ERECTORS. (JEFFERSON COUNTY)...$ 40.36 15.96

LABORER: GROUP 2 SKILLED LABORERS - VIBRATOR MAN; ASPHALT RAKER; HEAD PIPE LAYER ON SEWER WORK; BATTERBOARD MAN ON PIPE AND DITCH WORK; CLIFF SCALERS WORKING FROM BOSUN'S CHAIRS; SCAFFOLDS OR PLATFORMS ON DAMS OR POWER PLANTS OVER 10 FT. HIGH; AIR TOOL OPERATOR OVER 65 LBS.; STRINGLINE MAN ON CONCRETE PAVING; SANDBLAST MAN; LASER BEAM MAN; WAGON DRILL; CHURN DRILL; AIR TRACK DRILL AND ALL OTHER SIMILAR TYPE DRILLS, GUNITE NOZZLE MAN; PRESSURE GROUT MAN; SCREED MAN ON ASPHALT; CONCRETE SAW 15 H.P. AND OVER; GRADE CHECKER; STRIGLINE MAN ON ELECTRONIC GRADE CONTROL; MANHOLE BUILDER; DYNAMITE MAN; POWDER MAN; WELDER; TUNNEL MAN; WATERBLASTER - 1000 PSI OR OVER; ASBESTOS AND/OR HAZARDOUS WASTE REMOVAL AND/OR DISPOSAL (JEFFERSON COUNTY).....$ 40.36 15.96

LABO0579-005 05/01/2023

	Rates	Fringes

LABORER, GROUP 1 GENERAL LABORERS - CARPENTER TENDERS; SALAMANDER TENDERS; LOADING TRUCKS UNDER BINS; HOPPERS & CONVEYORS; TRACK MEN & ALL OTHER GENERAL LABORERS; AIR TOOL OPERATOR; CEMENT HANDLER-BULK OR SACK; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP PAVERS - ROCK, BLOCK OR BRICK; SIGNAL MAN; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIPMAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLINE, OIL DRAINAGE PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR, ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND HANDLING EPOXY MATERIAL OR MATERIALS (WHERE SPECIAL PROTECTION IS REQUIRED); RUBBING CONCRETE; TOPPER OF STANDING TREES; BATTER BOARD MAN ON PIPE AND DITCH WORK; FEEDER MAN ON WOOD PULVERIZERS; BOARD AND WILLOW MAT WEAVERS AND CABLE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FEET WHERE COMPRESSED AIR IS NOT USED; ABUTMENT AND PIER HOLE MEN WORKING SIX (6) FEET OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTINGS IN THE RIVER; DITCHLINERS; PRESSURE GROUTMEN; CAULKER; CHAIN OR CONCRETE SAW; CLIFFSCALERS WORKING FROM SCAFFOLDS, BOSUNS' CHAIRS OR PLATFORMS ON DAMS OR POWER PLANTS OVER (10) FEET ABOVE GROUND; MORTARMEN ON BRICK OR BLOCK MANHOLES; TOXIC AND HAZARDOUS WASTE WORK. (ANDREW, ATCHISON, BUCHANAN, CALDWELL, CLINTON, DAVIESS, DEKALB, GENTRY, GRUNDY, HARRISON, HOLT, LIVINGSTON, MERCER, NODAWAY AND WORTH COUNTIES).....$ 29.04 16.59

LABORER, GROUP 1 GENERAL LABORERS - CARPENTER TENDERS; SALAMANDER TENDERS; LOADING TRUCKS UNDER BINS; HOPPERS & CONVEYORS; TRACK MEN & ALL OTHER GENERAL LABORERS; AIR TOOL OPERATOR; CEMENT HANDLER-BULK OR SACK; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP PAVERS - ROCK, BLOCK OR BRICK; SIGNAL MAN; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIPMAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLINE, OIL DRAINAGE PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR, ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND HANDLING EPOXY MATERIAL OR MATERIALS (WHERE SPECIAL PROTECTION IS REQUIRED); RUBBING CONCRETE; TOPPER OF STANDING TREES; BATTER BOARD MAN ON PIPE AND DITCH WORK; FEEDER MAN ON WOOD PULVERIZERS; BOARD AND WILLOW MAT WEAVERS AND CABLE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FEET WHERE COMPRESSED AIR IS NOT USED; ABUTMENT

AND PIER HOLE MEN WORKING SIX (6) FEET OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTINGS IN THE RIVER; DITCHLINERS; PRESSURE GROUTMEN; CAULKER; CHAIN OR CONCRETE SAW; CLIFFSCALERS WORKING FROM SCAFFOLDS, BOSUNS' CHAIRS OR PLATFORMS ON DAMS OR POWER PLANTS OVER (10) FEET ABOVE GROUND; MORTARMEN ON BRICK OR BLOCK MANHOLES; TOXIC AND HAZARDOUS WASTE WORK. (BARRY, BARTON, BATES, BENTON, CAMDEN, CARROLL, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HENRY. HICKORY, JASPER, JOHNSON, LACLEDE, LAWRENCE, MCDONALD, MORGAN, NEWTON, OZARK, PETTIS, POLK, ST.CLAIR, SALINE, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES).....$ 28.23 15.60

LABORER, GROUP 2 SKILLED LABORERS - HEAD PIPE LAYER ON SEWER WORK; LASER BEAM MAN; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; FORM SETTERS; LINERS AND STRINGLINE MEN ON CONCRETE PAVING, CURB, GUTTERS; HOT MASTIC KETTLEMAN; HOT TAR APPLICATOR; SANDBLASTING AND GUNITE NOZZLEMEN; AIR TOOL OPERATOR IN TUNNELS; SCREED MAN ON ASPHALT MACHINE; ASPHALT RAKER; BARCO TAMPER; CHURN DRILLS; AIR TRACK DRILLS AND ALL SIMILAR DRILLS; VIBRATOR MAN; STRINGLINE MAN FOR ELECTRONIC GRADE CONTROL; MANHOLE BUILDERS-BRICK OR BLOCK; DYNAMITE AND POWDER MEN; GRADE CHECKER. (ANDREW, ATCHISON, BUCHANAN, CALDWELL, CLINTON, DAVIESS, DEKALB, GENTRY, GRUNDY, HARRISON, HOLT, LIVINGSTON, MERCER, NODAWAY AND WORTH COUNTIES).....$ 29.39 16.59

LABORER, GROUP 2 SKILLED LABORERS - HEAD PIPE LAYER ON SEWER WORK; LASER BEAM MAN; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; FORM SETTERS; LINERS AND STRINGLINE MEN ON CONCRETE PAVING, CURB, GUTTERS; HOT MASTIC KETTLEMAN; HOT TAR APPLICATOR; SANDBLASTING AND GUNITE NOZZLEMEN; AIR TOOL OPERATOR IN TUNNELS; SCREED MAN ON ASPHALT MACHINE; ASPHALT RAKER; BARCO TAMPER; CHURN DRILLS; AIR TRACK DRILLS AND ALL SIMILAR DRILLS; VIBRATOR MAN; STRINGLINE MAN FOR ELECTRONIC GRADE CONTROL; MANHOLE BUILDERS-BRICK OR BLOCK; DYNAMITE AND POWDER MEN; GRADE CHECKER. (BARRY, BARTON, BATES, BENTON, CAMDEN, CARROLL, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HENRY. HICKORY, JASPER, JOHNSON, LACLEDE, LAWRENCE, MCDONALD, MORGAN, NEWTON, OZARK, PETTIS, POLK, ST.CLAIR, SALINE, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES)..$ 28.78 15.60

LABORER: GROUP 1 GENERAL LABORERS - CARPENTER TENDERS; SALAMANDER TENDERS; LOADING TRUCKS UNDER BINS; HOPPERS & CONVEYORS; TRACK MEN & ALL OTHER GENERAL LABORERS; AIR TOOL OPERATOR; CEMENT HANDLER-BULK OR SACK; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP PAVERS - ROCK, BLOCK OR BRICK; SIGNAL MAN; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIPMAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLINE, OIL DRAINAGE PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR, ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND

HANDLING EPOXY MATERIAL OR MATERIALS (WHERE SPECIAL PROTECTION IS REQUIRED); RUBBING CONCRETE; TOPPER OF STANDING TREES; BATTER BOARD MAN ON PIPE AND DITCH WORK; FEEDER MAN ON WOOD PULVERIZERS; BOARD AND WILLOW MAT WEAVERS AND CABLE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FEET WHERE COMPRESSED AIR IS NOT USED; ABUTMENT AND PIER HOLE MEN WORKING SIX (6) FEET OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTINGS IN THE RIVER; DITCHLINERS; PRESSURE GROUTMEN; CAULKER; CHAIN OR CONCRETE SAW; CLIFFSCALERS WORKING FROM SCAFFOLDS, BOSUNS' CHAIRS OR PLATFORMS ON DAMS OR POWER PLANTS OVER (10) FEET ABOVE GROUND; MORTARMEN ON BRICK OR BLOCK MANHOLES; TOXIC AND HAZARDOUS WASTE WORK. (LAFAYETTE COUNTY).$ 29.78 15.85

LABORER: GROUP 2 SKILLED LABORERS - HEAD PIPE LAYER ON SEWER WORK; LASER BEAM MAN; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; FORM SETTERS; LINERS AND STRINGLINE MEN ON CONCRETE PAVING, CURB, GUTTERS; HOT MASTIC KETTLEMAN; HOT TAR APPLICATOR; SANDBLASTING AND GUNITE NOZZLEMEN; AIR TOOL OPERATOR IN TUNNELS; SCREED MAN ON ASPHALT MACHINE; ASPHALT RAKER; BARCO TAMPER; CHURN DRILLS; AIR TRACK DRILLS AND ALL SIMILAR DRILLS; VIBRATOR MAN; STRINGLINE MAN FOR ELECTRONIC GRADE CONTROL; MANHOLE BUILDERS-BRICK OR BLOCK; DYNAMITE AND POWDER MEN; GRADE CHECKER. (LAFAYETTE COUNTY)......$ 30.13 15.85

LABO0660-004 05/01/2025

	Rates	Fringes

LABORER GROUP 1 GENERAL LABORER-FLAGMAN, CARPENTER TENDERS; SALAMANDER TENDERS; DUMP MAN; TICKET TAKERS; LOADING TRUCKS UNDER BINS, HOPPERS, AND CONVEYORS; TRACK MAN; CEMENT HANDLER; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; SPREADER ON ASPHALT MACHINE; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP PAVERS ROCK, BLOCK OR BRICK; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIP MAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLING, OIL, DRAINAGE PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR; ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; FORM SETTERS, PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND HANDLING EPOXY MATERIAL; TOPPER OF STANDING TREES; FEEDER MAN ON WOOD PULVERIZERS, BOARD AND WILLOW MAT WEAVERS AND CABELEE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FT. WHERE COMPRESSED AIR IS NOT USED; ABUTEMENT AND PIER HOLE MEN WORKING SIX (6) FT. OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTING IN THE RIVER; BARCO TAMPER; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; LINERS, CURB, GUTTERS, DITCH LINES; HOT MASTIC KETTLEMEN; HOT TAR APPLICATOR; HAND BLADE OPERATOR; MORTAR MEN OR BRICK OR BLOCK MANHOLES; RUBBING CONCRETE, AIR TOOL OPERATOR UNDER 65 LBS.; CAULKER AND LEAD MAN;

CHAIN OR CONCRETE SAW UNDER 15 H.P.; SIGNAL GAN; GUARD RAIL AND SIGN ERECTORS. (CLARK, KNOX, LEWIS, MARION, PIKE, RALLS, SCOTLAND, SHELBY COUNTIES).....$ 37.25 15.96

LABORER GROUP 2 SKILLED LABORERS - VIBRATOR MAN; ASPHALT RAKER; HEAD PIPE LAYER ON SEWER WORK; BATTERBOARD MAN ON PIPE AND DITCH WORK; CLIFF SCALERS WORKING FROM BOSUN'S CHAIRS; SCAFFOLDS OR PLATFORMS ON DAMS OR POWER PLANTS OVER 10 FT. HIGH; AIR TOOL OPERATOR OVER 65 LBS.; STRINGLINE MAN ON CONCRETE PAVING; SANDBLAST MAN; LASER BEAM MAN; WAGON DRILL; CHURN DRILL; AIR TRACK DRILL AND ALL OTHER SIMILAR TYPE DRILLS, GUNITE NOZZLE MAN; PRESSURE GROUT MAN; SCREED MAN ON ASPHALT; CONCRETE SAW 15 H.P. AND OVER; GRADE CHECKER; STRIGLINE MAN ON ELECTRONIC GRADE CONTROL; MANHOLE BUILDER; DYNAMITE MAN; POWDER MAN; WELDER; TUNNEL MAN; WATERBLASTER - 1000 PSI OR OVER; ASBESTOS AND/OR HAZARDOUS WASTE REMOVAL AND/OR DISPOSAL (CLARK, KNOX, LEWIS, MARION, PIKE, RALLS, SCOTLAND, SHELBY COUNTIES).....$ 37.25 15.96

LABO0660-006 06/02/2025

	Rates	Fringes
LABORER, COMMON OR GENERAL: LINCOLN, MONNTOMERY, AND WARRNER COUNTIES	$ 39.76	15.96
LABORER, COMMON OR GENERAL: ST. CHARLES COUNTY	$ 41.18	15.96

LABO0662-001 05/01/2025

	Rates	Fringes
LABORER: GROUP 1 GENERAL LABORER-FLAGMAN, CARPENTER TENDERS; SALAMANDER TENDERS; DUMP MAN; TICKET TAKERS; LOADING TRUCKS UNDER BINS, HOPPERS, AND CONVEYORS; TRACK MAN; CEMENT HANDLER; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; SPREADER ON ASPHALT MACHINE; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP PAVERS ROCK, BLOCK OR BRICK; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIP MAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLING, OIL, DRAINAGE PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR; ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; FORM SETTERS, PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND HANDLING EPOXY MATERIAL; TOPPER OF STANDING TREES; FEEDER MAN ON WOOD PULVERIZERS, BOARD AND WILLOW MAT WEAVERS AND CABELEE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FT. WHERE COMPRESSED AIR IS NOT USED; ABUTEMENT AND PIER HOLE MEN WORKING SIX (6) FT. OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTING IN THE RIVER; BARCO TAMPER; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; LINERS, CURB, GUTTERS, DITCH LINES; HOT MASTIC KETTLEMEN; HOT TAR APPLICATOR; HAND BLADE OPERATOR; MORTAR MEN OR BRICK OR BLOCK MANHOLES; RUBBING CONCRETE, AIR TOOL OPERATOR UNDER 65 LBS.; CAULKER AND LEAD MAN;		

CHAIN OR CONCRETE SAW UNDER 15 H.P.; SIGNAL GAN;
GUARD RAIL AND SIGN ERECTORS. (CALLAWAY, COLE,
MILLER AND MONITEAU COUNTIES).....$ 37.25 15.96
LABORER: GROUP 2 SKILLED LABORERS - VIBRATOR MAN;
ASPHALT RAKER; HEAD PIPE LAYER ON SEWER WORK;
BATTERBOARD MAN ON PIPE AND DITCH WORK; CLIFF
SCALERS WORKING FROM BOSUN'S CHAIRS; SCAFFOLDS OR
PLATFORMS ON DAMS OR POWER PLANTS OVER 10 FT. HIGH;
AIR TOOL OPERATOR OVER 65 LBS.; STRINGLINE MAN ON
CONCRETE PAVING; SANDBLAST MAN; LASER BEAM MAN;
WAGON DRILL; CHURN DRILL; AIR TRACK DRILL AND ALL
OTHER SIMILAR TYPE DRILLS, GUNITE NOZZLE MAN;
PRESSURE GROUT MAN; SCREED MAN ON ASPHALT; CONCRETE
SAW 15 H.P. AND OVER; GRADE CHECKER; STRIGLINE MAN
ON ELECTRONIC GRADE CONTROL; MANHOLE BUILDER;
DYNAMITE MAN; POWDER MAN; WELDER; TUNNEL MAN;
WATERBLASTER - 1000 PSI OR OVER; ASBESTOS AND/OR
HAZARDOUS WASTE REMOVAL AND/OR DISPOSAL
(CALLAWAY, COLE, MILLER AND MONITEAU COUNTIES).....$ 37.25 15.96

LABO0663-002 04/01/2025

Rates Fringes

LABORER GROUP 1 GENERAL LABORERS, CARPENTER
TENDERS, SALAMANDER TENDERS, LOADING TRUCKS UNDER
BINS, HOPPERS AND CONVEYORS, TRACK MEN AND ALL
OTHER GENERAL LABORERS, AIR TOOL OPERATOR, CEMENT
HANDLER (BULK OR SACK), CHAIN OR CONCRETE SAW, DECK
HANDS, DUMP MAN ON EARTH FILL, GEORGIE BUGGIES MAN,
MATERIAL BATCH HOPPER MAN, SCALE MAN, MATERIAL
MIXER MAN (EXCEPT ON MANHOLES), COFFER DAMS,
ABUTMENTS AND PIER HOLE MEN WORKING BELOW GROUND,
RIPRAP PAVERS ROCK, BLACK OR BRICK, SIGNAL MAN,
SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM
GROUND UP, SKIPMAN ON CONCRETE PAVING, WIRE MESH
SETTERS ON CONCRETE PAVING, ALL WORK IN CONNECTION
WITH SEWER,WATER, GAS, GASOLING, OIL, DRAINAGE
PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL
OTHER PIPELINES, POWER TOOL OPERATOR, ALL WORK IN
CONNECTION WITH HYDRAULIC OR GENERAL DREDGING
OPERATIONS, STRAW BLOWER NOZZLEMAN,ASPHALT PLANT
PLATFORM MAN, CHUCK TENDER, CRUSHER FEEDER, MEN
HANDLING CREOSOTE TIES ON CREOSOTE MATERIALS, MEN
WORKING WITH AND HANDLING EPOXY MATERIAL OR
MATERIALS (WHERE SPECIAL PROTECTION IS REQUIRED),
TOPPER OF STANDING TREES, BATTER BOARD MAN ON PIPE
AND DITCH WORK, FEEDER MAN ON WOOD PULVERIZERS,
BOARD AND WILLOW MAT WEAVERS AND CABLE TIERS ON
RIVER WORK, DECK HANDS, PILE DIKE AND REVETMENT
WORK, ALL LABORERS WORKING ON UNDERGROUND TUNNELS
LESS THAN 25 FEET WHERE COMPRESSED AIR IS NOT USED,
ABUTMENT AND PIER HOLE MEN WORKING SIX (6) FEET OR
MORE BELOW GROUND, MEN WORKING IN COFFER DAMS FOR
BRIDGE PIERS AND FOOTINGS IN THE RIVER,
DITCHLINERS, PRESSURE GROUTMEN, CAULKER AND CHAIN
OR CONCRETE SAW, CLIFFSCALERS WORKING FROM
SCAFFOLDS, BOSUNS' CHAIRS OR PLATFORMS ON DAMS OR
POWER PLANTS OVER (10) FEET ABOVE GROUND, MORTARMEN
ON BRICK OR BLOCK MANHOLES, SIGNAL MAN. (CASS,
CLAY, JACKSON, PLATTE AND RAY COUNTIES).....$ 36.24 15.87
LABORER GROUP 2 SKILLED LABORER - SPREADER OR
SCREED MAN ON ASPHALT MACHINE, ASPHALT RAKER, GRADE
CHECKER, VIBRATOR MAN, CONCRETE SAW OVER 5 HP.,
LASER BEAM MAN, BARCO TAMPER, JACKSON OR ANY OTHER
SIMILAR TAMP, WAGON DRILLER, CHURN DRILLS, AIR

TRACK DRILLS AND OTHER SIMILAR DRILLS, CUTTING TORCH MAN, FORM SETTERS, LINERS AND STRINGLINE MEN ON CONCRETE PAVING, CURB, GUTTERS AND ETC., HOT MASTIC KETTLEMAN, HOT TAR APPLICATOR, HAND BLADE OPERATORS, MORTAR MEN ON BRICK OR BLOCK MANHOLES, SAND BLASTING AND GUNNITE NOZZLE MEN, RUBBING CONCRETE, AIR TOOL OPERATOR IN TUNNELS, HEAD PIPE LAYER ON SEWER WORK, MANHOLE BUILDER (BRICK OR BLOCK), DYNAMITE AND POWDER MEN. (CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES).....$ 37.45 15.87

LABO0840-011 05/01/2025

	Rates	Fringes
LABORER GROUP 1 GENERAL LABORER-FLAGMAN, CARPENTER TENDERS; SALAMANDER TENDERS; DUMP MAN; TICKET TAKERS; LOADING TRUCKS UNDER BINS, HOPPERS, AND CONVEYORS; TRACK MAN; CEMENT HANDLER; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; SPREADER ON ASPHALT MACHINE; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP PAVERS ROCK, BLOCK OR BRICK; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIP MAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLING, OIL, DRAINAGE PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR; ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; FORM SETTERS, PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND HANDLING EPOXY MATERIAL; TOPPER OF STANDING TREES; FEEDER MAN ON WOOD PULVERIZERS, BOARD AND WILLOW MAT WEAVERS AND CABELEE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FT. WHERE COMPRESSED AIR IS NOT USED; ABUTEMENT AND PIER HOLE MEN WORKING SIX (6) FT. OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTING IN THE RIVER; BARCO TAMPER; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; LINERS, CURB, GUTTERS, DITCH LINES; HOT MASTIC KETTLEMEN; HOT TAR APPLICATOR; HAND BLADE OPERATOR; MORTAR MEN OR BRICK OR BLOCK MANHOLES; RUBBING CONCRETE, AIR TOOL OPERATOR UNDER 65 LBS.; CAULKER AND LEAD MAN; CHAIN OR CONCRETE SAW UNDER 15 H.P.; SIGNAL GAN; GUARD RAIL AND SIGN ERECTORS. (CRAWFORD, DENT, GASCONADE, HOWELL, MARIES, OREGON, OSAGE, PHELPS, PULASKI, SHANNON AND TEXAS COUNTIES).....$ 37.25	15.96
LABORER GROUP 2 SKILLED LABORERS - VIBRATOR MAN; ASPHALT RAKER; HEAD PIPE LAYER ON SEWER WORK; BATTERBOARD MAN ON PIPE AND DITCH WORK; CLIFF SCALERS WORKING FROM BOSUN'S CHAIRS; SCAFFOLDS OR PLATFORMS ON DAMS OR POWER PLANTS OVER 10 FT. HIGH; AIR TOOL OPERATOR OVER 65 LBS.; STRINGLINE MAN ON CONCRETE PAVING; SANDBLAST MAN; LASER BEAM MAN; WAGON DRILL; CHURN DRILL; AIR TRACK DRILL AND ALL OTHER SIMILAR TYPE DRILLS, GUNITE NOZZLE MAN; PRESSURE GROUT MAN; SCREED MAN ON ASPHALT; CONCRETE SAW 15 H.P. AND OVER; GRADE CHECKER; STRIGLINE MAN ON ELECTRONIC GRADE CONTROL; MANHOLE BUILDER; DYNAMITE MAN; POWDER MAN; WELDER; TUNNEL MAN; WATERBLASTER - 1000 PSI OR OVER; ASBESTOS AND/OR		

HAZARDOUS WASTE REMOVAL AND/OR DISPOSAL (CRAWFORD, DENT, GASCONADE, HOWELL, MARIES, OREGON, OSAGE, PHELPS, PULASKI, SHANNON AND TEXAS COUNTIES).....$ 37.25 15.96

LABORER: GROUP 1 GENERAL LABORER-FLAGMAN, CARPENTER TENDERS; SALAMANDER TENDERS; DUMP MAN; TICKET TAKERS; LOADING TRUCKS UNDER BINS, HOPPERS, AND CONVEYORS; TRACK MAN; CEMENT HANDLER; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; SPREADER ON ASPHALT MACHINE; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP PAVERS ROCK, BLOCK OR BRICK; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIP MAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLING, OIL, DRAINAGE PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR; ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; FORM SETTERS, PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND HANDLING EPOXY MATERIAL; TOPPER OF STANDING TREES; FEEDER MAN ON WOOD PULVERIZERS, BOARD AND WILLOW MAT WEAVERS AND CABELEE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FT. WHERE COMPRESSED AIR IS NOT USED; ABUTEMENT AND PIER HOLE MEN WORKING SIX (6) FT. OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTING IN THE RIVER; BARCO TAMPER; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; LINERS, CURB, GUTTERS, DITCH LINES; HOT MASTIC KETTLEMEN; HOT TAR APPLICATOR; HAND BLADE OPERATOR; MORTAR MEN OR BRICK OR BLOCK MANHOLES; RUBBING CONCRETE, AIR TOOL OPERATOR UNDER 65 LBS.; CAULKER AND LEAD MAN; CHAIN OR CONCRETE SAW UNDER 15 H.P.; SIGNAL GAN; GUARD RAIL AND SIGN ERECTORS. (FRANKLIN COUNTY)....$ 40.31 15.96

LABORER: GROUP 2 SKILLED LABORERS - VIBRATOR MAN; ASPHALT RAKER; HEAD PIPE LAYER ON SEWER WORK; BATTERBOARD MAN ON PIPE AND DITCH WORK; CLIFF SCALERS WORKING FROM BOSUN'S CHAIRS; SCAFFOLDS OR PLATFORMS ON DAMS OR POWER PLANTS OVER 10 FT. HIGH; AIR TOOL OPERATOR OVER 65 LBS.; STRINGLINE MAN ON CONCRETE PAVING; SANDBLAST MAN; LASER BEAM MAN; WAGON DRILL; CHURN DRILL; AIR TRACK DRILL AND ALL OTHER SIMILAR TYPE DRILLS, GUNITE NOZZLE MAN; PRESSURE GROUT MAN; SCREED MAN ON ASPHALT; CONCRETE SAW 15 H.P. AND OVER; GRADE CHECKER; STRIGLINE MAN ON ELECTRONIC GRADE CONTROL; MANHOLE BUILDER; DYNAMITE MAN; POWDER MAN; WELDER; TUNNEL MAN; WATERBLASTER - 1000 PSI OR OVER; ASBESTOS AND/OR HAZARDOUS WASTE REMOVAL AND/OR DISPOSAL (FRANKLIN COUNTY).....$ 40.31 15.96

LABO0955-012 05/01/2025

	Rates	Fringes

LABORER GROUP 1 GENERAL LABORER-FLAGMAN, CARPENTER TENDERS; SALAMANDER TENDERS; DUMP MAN; TICKET TAKERS; LOADING TRUCKS UNDER BINS, HOPPERS, AND CONVEYORS; TRACK MAN; CEMENT HANDLER; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; SPREADER ON ASPHALT MACHINE; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP

PAVERS ROCK, BLOCK OR BRICK; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIP MAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLING, OIL, DRAINAGE PIPE, CONDUIT PIPE, TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR; ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; FORM SETTERS, PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND HANDLING EPOXY MATERIAL; TOPPER OF STANDING TREES; FEEDER MAN ON WOOD PULVERIZERS, BOARD AND WILLOW MAT WEAVERS AND CABELEE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FT. WHERE COMPRESSED AIR IS NOT USED; ABUTEMENT AND PIER HOLE MEN WORKING SIX (6) FT. OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTING IN THE RIVER; BARCO TAMPER; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; LINERS, CURB, GUTTERS, DITCH LINES; HOT MASTIC KETTLEMEN; HOT TAR APPLICATOR; HAND BLADE OPERATOR; MORTAR MEN OR BRICK OR BLOCK MANHOLES; RUBBING CONCRETE, AIR TOOL OPERATOR UNDER 65 LBS.; CAULKER AND LEAD MAN; CHAIN OR CONCRETE SAW UNDER 15 H.P.; SIGNAL GAN; GUARD RAIL AND SIGN ERECTORS. (ADAIR, AUDRAIN, BOONE, CHARITON, COOPER, HOWARD, LINN, MACON, MONROE, PUTNAM, RANDOLPH, SCHUYLER AND SULLIVAN COUNTIES).....$ 37.25 15.96

LABORER GROUP 2 SKILLED LABORERS - VIBRATOR MAN; ASPHALT RAKER; HEAD PIPE LAYER ON SEWER WORK; BATTERBOARD MAN ON PIPE AND DITCH WORK; CLIFF SCALERS WORKING FROM BOSUN'S CHAIRS; SCAFFOLDS OR PLATFORMS ON DAMS OR POWER PLANTS OVER 10 FT. HIGH; AIR TOOL OPERATOR OVER 65 LBS.; STRINGLINE MAN ON CONCRETE PAVING; SANDBLAST MAN; LASER BEAM MAN; WAGON DRILL; CHURN DRILL; AIR TRACK DRILL AND ALL OTHER SIMILAR TYPE DRILLS, GUNITE NOZZLE MAN; PRESSURE GROUT MAN; SCREED MAN ON ASPHALT; CONCRETE SAW 15 H.P. AND OVER; GRADE CHECKER; STRIGLINE MAN ON ELECTRONIC GRADE CONTROL; MANHOLE BUILDER; DYNAMITE MAN; POWDER MAN; WELDER; TUNNEL MAN; WATERBLASTER - 1000 PSI OR OVER; ASBESTOS AND/OR HAZARDOUS WASTE REMOVAL AND/OR DISPOSAL (ADAIR, AUDRAIN, BOONE, CHARITON, COOPER, HOWARD, LINN, MACON, MONROE, PUTNAM, RANDOLPH, SCHUYLER AND SULLIVAN COUNTIES).....$ 37.25 15.96

LABO1104-005 05/01/2025

	Rates	Fringes

LABORER: GROUP 1 GENERAL LABORER-FLAGMAN, CARPENTER TENDERS; SALAMANDER TENDERS; DUMP MAN; TICKET TAKERS; LOADING TRUCKS UNDER BINS, HOPPERS, AND CONVEYORS; TRACK MAN; CEMENT HANDLER; DUMP MAN ON EARTH FILL; GEORGIE BUGGIE MAN; MATERIAL BATCH HOPPER MAN; SPREADER ON ASPHALT MACHINE; MATERIAL MIXER MAN (EXCEPT ON MANHOLES); COFFER DAMS; RIPRAP PAVERS ROCK, BLOCK OR BRICK; SCAFFOLDS OVER TEN FEET NOT SELF-SUPPORTED FROM GROUND UP; SKIP MAN ON CONCRETE PAVING; WIRE MESH SETTERS ON CONCRETE PAVING; ALL WORK IN CONNECTION WITH SEWER, WATER, GAS, GASOLING, OIL, DRAINAGE PIPE, CONDUIT PIPE,

TILE AND DUCT LINES AND ALL OTHER PIPE LINES; POWER TOOL OPERATOR; ALL WORK IN CONNECTION WITH HYDRAULIC OR GENERAL DREDGING OPERATIONS; FORM SETTERS, PUDDLERS (PAVING ONLY); STRAW BLOWER NOZZLEMAN; ASPHALT PLANT PLATFORM MAN; CHUCK TENDER; CRUSHER FEEDER; MEN HANDLING CREOSOTE TIES OR CREOSOTE MATERIALS; MEN WORKING WITH AND HANDLING EPOXY MATERIAL; TOPPER OF STANDING TREES; FEEDER MAN ON WOOD PULVERIZERS, BOARD AND WILLOW MAT WEAVERS AND CABELEE TIERS ON RIVER WORK; DECK HANDS; PILE DIKE AND REVETMENT WORK; ALL LABORERS WORKING ON UNDERGROUND TUNNELS LESS THAN 25 FT. WHERE COMPRESSED AIR IS NOT USED; ABUTEMENT AND PIER HOLE MEN WORKING SIX (6) FT. OR MORE BELOW GROUND; MEN WORKING IN COFFER DAMS FOR BRIDGE PIERS AND FOOTING IN THE RIVER; BARCO TAMPER; JACKSON OR ANY OTHER SIMILAR TAMP; CUTTING TORCH MAN; LINERS, CURB, GUTTERS, DITCH LINES; HOT MASTIC KETTLEMEN; HOT TAR APPLICATOR; HAND BLADE OPERATOR; MORTAR MEN OR BRICK OR BLOCK MANHOLES; RUBBING CONCRETE, AIR TOOL OPERATOR UNDER 65 LBS.; CAULKER AND LEAD MAN; CHAIN OR CONCRETE SAW UNDER 15 H.P.; SIGNAL GAN; GUARD RAIL AND SIGN ERECTORS. (BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, IRON, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, PERRY, REYNOLDS, RIPLEY, SCOTT, ST FRANCOIS, STE GENEVIEVE, STODDARD AND WAYNE COUNTIES).....$ 37.25 15.96

LABORER: GROUP 2 SKILLED LABORERS - VIBRATOR MAN; ASPHALT RAKER; HEAD PIPE LAYER ON SEWER WORK; BATTERBOARD MAN ON PIPE AND DITCH WORK; CLIFF SCALERS WORKING FROM BOSUN'S CHAIRS; SCAFFOLDS OR PLATFORMS ON DAMS OR POWER PLANTS OVER 10 FT. HIGH; AIR TOOL OPERATOR OVER 65 LBS.; STRINGLINE MAN ON CONCRETE PAVING; SANDBLAST MAN; LASER BEAM MAN; WAGON DRILL; CHURN DRILL; AIR TRACK DRILL AND ALL OTHER SIMILAR TYPE DRILLS, GUNITE NOZZLE MAN; PRESSURE GROUT MAN; SCREED MAN ON ASPHALT; CONCRETE SAW 15 H.P. AND OVER; GRADE CHECKER; STRIGLINE MAN ON ELECTRONIC GRADE CONTROL; MANHOLE BUILDER; DYNAMITE MAN; POWDER MAN; WELDER; TUNNEL MAN; WATERBLASTER - 1000 PSI OR OVER; ASBESTOS AND/OR HAZARDOUS WASTE REMOVAL AND/OR DISPOSAL (BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, IRON, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, PERRY, REYNOLDS, RIPLEY, SCOTT, ST FRANCOIS, STE GENEVIEVE, STODDARD AND WAYNE COUNTIES).....$ 37.25 15.96

PAIN0002-002 09/01/2007

	Rates	Fringes
PAINTERS: BRUSH AND ROLLER; TAPER (CLARK, FRANKLIN, JEFFERSON, LEWIS, LINCOLN, MARION, PIKE, RALLS, ST. CHARLES, ST. LOUIS (CITY & COUNTY), AND WARREN COUNTIES)	$ 28.61	10.24
PAINTERS: HIGH WORK OVER 60 FEET (CLARK, FRANKLIN, JEFFERSON, LEWIS, LINCOLN, MARION, PIKE, RALLS, ST. CHARLES, ST. LOUIS (CITY & COUNTY), AND WARREN COUNTIES)	$ 29.11	10.24
PAINTERS: LEAD ABATEMENT (CLARK, FRANKLIN, JEFFERSON, LEWIS, LINCOLN, MARION, PIKE, RALLS, ST. CHARLES, ST. LOUIS (CITY & COUNTY), AND WARREN COUNTIES)	$ 29.36	10.24

PAINTERS: PRESSURE ROLLER; HIGH WORK UNDER 60 FT (CLARK, FRANKLIN, JEFFERSON, LEWIS, LINCOLN,

MARION, PIKE, RALLS, ST. CHARLES, ST. LOUIS (CITY & COUNTY), AND WARREN COUNTIES).....$ 28.86 10.24
PAINTERS: TAPER (AMES TOOLS & BAZOOKA) (CLARK, FRANKLIN, JEFFERSON, LEWIS, LINCOLN, MARION, PIKE, RALLS, ST. CHARLES, ST. LOUIS (CITY & COUNTY), AND WARREN COUNTIES).....$ 30.21 10.24
PAINTERS:: SPRAY & ABRASIVE BLASTING; WATER BLASTING (OVER 5000 PSI) (CLARK, FRANKLIN, JEFFERSON, LEWIS, LINCOLN, MARION, PIKE, RALLS, ST. CHARLES, ST. LOUIS (CITY & COUNTY), AND WARREN COUNTIES).....$ 30.61 10.24

PAIN0002-006 04/01/2023

	Rates	Fringes
PAINTERS:: BRIDGES, DAMS, LOCKS OR POWERHOUSES (ADAIR, AUDRAIN, BOONE, CALLAWAY, CHARITON, COLE, GASCONADE, HOWARD, KNOX, LINN, MACON, MONROE, MONTGOMERY, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES AND THE CITY OF BOONEVILLE.)	$ 28.49	15.03
PAINTERS:: BRUSH AND ROLL; TAPING, PAPERHANGING (ADAIR, AUDRAIN, BOONE, CALLAWAY, CHARITON, COLE, GASCONADE, HOWARD, KNOX, LINN, MACON, MONROE, MONTGOMERY, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES AND THE CITY OF BOONEVILLE.)	$ 26.49	15.03
PAINTERS:: EPOXY OR ANY TWO PART COATING; SANDBLASTING; STAGE OR OTHER AERIAL WORK - PLATFORMS OVER 50 FEET HIGH; LEAD ABATEMENT (ADAIR, AUDRAIN, BOONE, CALLAWAY, CHARITON, COLE, GASCONADE, HOWARD, KNOX, LINN, MACON, MONROE, MONTGOMERY, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES AND THE CITY OF BOONEVILLE.)	$ 27.49	15.03
PAINTERS:: SPRAY; STRUCTURAL STEEL (OVER 50 FEET) (ADAIR, AUDRAIN, BOONE, CALLAWAY, CHARITON, COLE, GASCONADE, HOWARD, KNOX, LINN, MACON, MONROE, MONTGOMERY, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES AND THE CITY OF BOONEVILLE.)	$ 27.49	15.03
PAINTERS:: TAPERS USING AMES OR COMPARABLE TOOLS (ADAIR, AUDRAIN, BOONE, CALLAWAY, CHARITON, COLE, GASCONADE, HOWARD, KNOX, LINN, MACON, MONROE, MONTGOMERY, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES AND THE CITY OF BOONEVILLE.)	$ 27.24	15.03

PAIN0003-004 04/01/2019

	Rates	Fringes
PAINTERS: BRIDGEMAN; LEAD ABATEMENT; SANDBLAST; STORAGE BIN & TANKS (CASS, CLAY, CLINTON, JACKSON, JOHNSON, LAFAYETTE, PLATTE & RAY COUNTIES)	$ 33.41	17.76
PAINTERS: BRUSH & ROLLER (CASS, CLAY, CLINTON, JACKSON, JOHNSON, LAFAYETTE, PLATTE & RAY COUNTIES)	$ 30.54	17.76
PAINTERS: DRYWALL (CASS, CLAY, CLINTON, JACKSON, JOHNSON, LAFAYETTE, PLATTE & RAY COUNTIES)	$ 31.74	17.76
PAINTERS: PAPER HANGER (CASS, CLAY, CLINTON, JACKSON, JOHNSON, LAFAYETTE, PLATTE & RAY COUNTIES)	$ 31.04	17.76
PAINTERS: STAGEMAN; BELTMAN; STEELMAN; ELEVATOR SHAFT; BAZOOKA, BOXES AND POWER SANDER; SPRAYMAN; DIPPING (CASS, CLAY, CLINTON, JACKSON, JOHNSON, LAFAYETTE, PLATTE & RAY COUNTIES)	$ 32.41	17.76
PAINTERS: STEEPLEJACK (CASS, CLAY, CLINTON,		

JACKSON, JOHNSON, LAFAYETTE, PLATTE & RAY COUNTIES).$ 36.98 17.76

PAIN0003-011 04/01/2019

	Rates	Fringes
PAINTERS: BRUSH & ROLLER (BATES, BENTON, CALDWELL, CARROLL, COOPER, DAVIESS, GRUNDY, HARRISON, HENRY, LIVINGSTON, MERCER, MONITEAU, MORGAN, PETTIS & SALINE COUNTIES)	$ 24.43	17.76
PAINTERS: DRYWALL (BATES, BENTON, CALDWELL, CARROLL, COOPER, DAVIESS, GRUNDY, HARRISON, HENRY, LIVINGSTON, MERCER, MONITEAU, MORGAN, PETTIS & SALINE COUNTIES)	$ 25.39	17.76
PAINTERS: PAPER HANGER (BATES, BENTON, CALDWELL, CARROLL, COOPER, DAVIESS, GRUNDY, HARRISON, HENRY, LIVINGSTON, MERCER, MONITEAU, MORGAN, PETTIS & SALINE COUNTIES)	$ 24.83	17.76
PAINTERS: STEEPLEJACK (BATES, BENTON, CALDWELL, CARROLL, COOPER, DAVIESS, GRUNDY, HARRISON, HENRY, LIVINGSTON, MERCER, MONITEAU, MORGAN, PETTIS & SALINE COUNTIES)	$ 29.58	17.76
PAINTERS:: BRIDGEMAN; LEAD ABATEMENT; SANDBLAST; STORAGE BIN & TANKS (BATES, BENTON, CALDWELL, CARROLL, COOPER, DAVIESS, GRUNDY, HARRISON, HENRY, LIVINGSTON, MERCER, MONITEAU, MORGAN, PETTIS & SALINE COUNTIES)	$ 26.73	17.76
PAINTERS:: STAGEMAN; BELTMAN; STEELMAN; ELEVATOR SHAFT; BAZOOKA, BOXES AND POWER SANDER; SPRAYMAN; DIPPING (BATES, BENTON, CALDWELL, CARROLL, COOPER, DAVIESS, GRUNDY, HARRISON, HENRY, LIVINGSTON, MERCER, MONITEAU, MORGAN, PETTIS & SALINE COUNTIES).	$ 26.35	17.76

PAIN1185-008 04/01/2025

	Rates	Fringes
PAINTERS: BRUSH AND ROLLER (CAMDEN, CRAWFORD, DENT, LACLEDE, MARIES, MILLER, PHELPS, PULASKI AND TEXAS COUNTIES)	$ 33.90	17.21
PAINTERS: FLOOR WORK (CAMDEN, CRAWFORD, DENT, LACLEDE, MARIES, MILLER, PHELPS, PULASKI AND TEXAS COUNTIES)	$ 34.90	17.21
PAINTERS: LEAD ABATEMENT (CAMDEN, CRAWFORD, DENT, LACLEDE, MARIES, MILLER, PHELPS, PULASKI AND TEXAS COUNTIES)	$ 33.25	17.21
PAINTERS: SPRAY (CAMDEN, CRAWFORD, DENT, LACLEDE, MARIES, MILLER, PHELPS, PULASKI AND TEXAS COUNTIES).	$ 34.90	17.21
PAINTERS: STRUCTURAL STEEL, SANDBLASTING AND ALL TANK WORK (CAMDEN, CRAWFORD, DENT, LACLEDE, MARIES, MILLER, PHELPS, PULASKI AND TEXAS COUNTIES)	$ 35.90	17.21
PAINTERS: TAPING, PAPERHANGING (CAMDEN, CRAWFORD, DENT, LACLEDE, MARIES, MILLER, PHELPS, PULASKI AND TEXAS COUNTIES)	$ 34.90	17.21

PAIN1292-002 09/01/2025

	Rates	Fringes
PAINTERS:: BRIDGES, STACKS & TANKS (BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, MISSISSIPPI, NEW MADRID, OREGON, PEMISCOT, PERRY, REYNOLDS, RIPLEY, SCOTT, SHANNON, STODDARD AND WAYNE COUNTIES). HEIGHT RATES (ALL AREAS): OVER 60 FT. $0.50 PER HOUR. UNDER 60 FT. $0.25 PER HOUR	$ 36.53	17.92
PAINTERS:: BRUSH & ROLLER (BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, MISSISSIPPI, NEW		

MADRID, OREGON, PEMISCOT, PERRY, REYNOLDS, RIPLEY, SCOTT, SHANNON, STODDARD AND WAYNE COUNTIES). HEIGHT RATES (ALL AREAS): 0VER 60 FT. $0.50 PER HOUR UNDER 60 FT. $0.25 PER HOUR.....$ 29.80 17.92

PAINTERS:: SPRAY & ABRASIVE BLASTING; WATERBLASTING (OVER 5000 PSI) (BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, MISSISSIPPI, NEW MADRID, OREGON, PEMISCOT, PERRY, REYNOLDS, RIPLEY, SCOTT, SHANNON, STODDARD AND WAYNE COUNTIES). HEIGHT RATES (ALL AREAS): OVER 60 FT. $0.50 PER HOUR. UNDER 60 FT. $0.25 PER HOUR.....$ 38.53 17.92

PAIN1292-003 09/01/2025

	Rates	Fringes
PAINTERS: BRIDGES, STACKS & TANKS (IRON, MADISON, ST. FRANCOIS, STE. GENEVIEVE AND WASHINGTON COUNTIES). HEIGHT RATES (ALL AREAS): 0VER 60 FT. $0.50 PER HOUR UNDER 60 FT. $0.25 PER HOUR.....	$ 36.53	17.92
PAINTERS: BRUSH & ROLLER (IRON, MADISON, ST. FRANCOIS, STE. GENEVIEVE AND WASHINGTON COUNTIES). HEIGHT RATES (ALL AREAS): 0VER 60 FT. $0.50 PER HOUR UNDER 60 FT. $0.25 PER HOUR.....	$ 30.95	17.92
PAINTERS: SPRAY & ABRASIVE BLASTING; WATERBLASTING (OVER 5000 PSI) (IRON, MADISON, ST. FRANCOIS, STE. GENEVIEVE AND WASHINGTON COUNTIES). HEIGHT RATES (ALL AREAS): 0VER 60 FT. $0.50 PER HOUR UNDER 60 FT. $0.25 PER HOUR.....	$ 38.53	17.92

PAIN2012-001 04/01/2025

	Rates	Fringes
PAINTERS: BRUSH & ROLLER (ANDREW, ATCHISON, BUCHANAN, DE KALB, GENTRY, HOLT, NODAWAY & WORTH COUNTIES).....	$ 36.18	19.97
PAINTERS: SANDBLASTER (ANDREW, ATCHISON, BUCHANAN, DE KALB, GENTRY, HOLT, NODAWAY & WORTH COUNTIES)....	$ 40.76	19.97
PAINTERS: STEEPLEJACK (ANDREW, ATCHISON, BUCHANAN, DE KALB, GENTRY, HOLT, NODAWAY & WORTH COUNTIES)....	$ 44.33	19.97

PAIN2015-001 04/01/2012

	Rates	Fringes
PAINTERS:: FINISHER (BARRY, BARTON, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, HOWELL, JASPER, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, AND WRIGHT COUNTIES).....	$ 20.18	11.33
PAINTERS:: PAINTER (BARRY, BARTON, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, HOWELL, JASPER, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, AND WRIGHT COUNTIES).....	$ 19.75	11.76
PAINTERS:: SANDBLASTER, HIGH MAN, SPRAY MAN, VINYL HANGER, TOOL OPERATOR (BARRY, BARTON, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, HOWELL, JASPER, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, AND WRIGHT COUNTIES).....	$ 21.18	11.33

PLAS0518-006 03/01/2025

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER (BARRY, BARTON, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE,		

HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD,
NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY,
VERNON, WEBSTER, AND WRIGHT COUNTIES).....$ 30.37 12.43

PLAS0518-007 04/01/2025

	Rates	Fringes
CEMENT MASONS: (CASS (RICHARDS-GEBAUR AFB ONLY), CLAY, JACKSON, PLATTE AND RAY COUNTIES).....	$ 39.06	18.71

PLAS0518-011 04/01/2025

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER (ANDREW, ATCHISON, BATES, BUCHANNAN, CLINTON, DEKALB, GENTRY, HENRY, HOLT, JOHNSON, LAFAYETTE, NODAWAY & WORTH COUNTIES).	$ 40.13	20.50

PLAS0518-019 03/01/2025

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER (ADAIR, AUDRAIN, BENTON, BOONE, CALLAWAY, CALDWELL, CAMDEN, CARROLL, CHARITON, COLE, COOPER, DAVIESS, GASCONADE, GRUNDY, HARRISON, HOWARD, LINN, LIVINGSTON, MACON, MARIES, MERCER, MILLER, MONITEAU, MONROE, MONTGOMERY, MORGAN, OSAGE, PETTIS, PUTNAM, RANDOLPH, SALINE, SCHUYLER, SHELBY AND SULLIVAN COUNTIES).....	$ 33.52	15.88

PLAS0527-001 04/01/2023

	Rates	Fringes
CEMENT MASON (FRANKLIN, LINCOLN AND WARREN COUNTIES).....	$ 37.29	20.23
CEMENT MASON (JEFFERSON, ST. CHARLES COUNTIES AND ST.LOUIS (CITY AND COUNTY)).....	$ 38.46	20.13

PLAS0527-004 06/01/2023

	Rates	Fringes
CEMENT MASON (CRAWFORD, DENT, IRON, MADISON, MARION, PHELPS, PIKE, PULASKI, RALLS, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SHANNON, TEXAS, WASHINGTON COUNTIES).....	$ 32.00	19.72

PLAS0908-001 05/01/2025

	Rates	Fringes
CEMENT MASON (BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, HOWELL, MISSISSIPPI, NEW MADRID, OREGON, PEMISCOT, PERRY, RIPLEY, SCOTT, STODDARD, AND WAYNE COUNTIES).....	$ 35.10	18.78

PLUM0008-003 06/01/2024

	Rates	Fringes
PLUMBERS (CASS, CLAY, JACKSON, JOHNSON, AND PLATTE COUNTIES).....	$ 56.63	24.54

PLUM0008-017 06/01/2024

	Rates	Fringes
PLUMBERS (BATES, BENTON, CARROLL, HENRY, LAFAYETTE, MORGAN, PETTIS, RAY, ST. CLAIR, SALINE AND VERNON COUNTIES).....	$ 56.63	24.54

PLUM0045-003 08/01/2024

	Rates	Fringes
PLUMBERS AND PIPEFITTERS (ANDREW, ATCHISON, BUCHANAN, CALDWELL, CLINTON, DAVIESS, DEKALB, GENTRY, HARRISON, HOLT, NODAWAY AND WORTH COUNTIES)	$ 47.45	26.15

PLUM0178-003 11/01/2024

	Rates	Fringes
PLUMBERS AND PIPEFITTERS (BARRY, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, LACLEDE, LAWRENCE, POLK, STONE, TANEY, WEBSTER AND WRIGHT COUNTIES)	$ 39.35	15.72

PLUM0178-006 11/01/2022

	Rates	Fringes
PLUMBERS AND PIPEFITTERS: PROJECTS $750,000 & UNDER (BARTON, JASPER, MCDONALD AND NEWTON COUNTIES)	$ 32.78	15.32
PLUMBERS AND PIPEFITTERS: PROJECTS OVER $750,000 (BARTON, JASPER, MCDONALD AND NEWTON COUNTIES)	$ 35.75	15.32

PLUM0533-004 06/01/2024

	Rates	Fringes
PIPEFITTERS (BATES, BENTON, CARROLL, CASS, CLAY, HENRY, HICKORY, JACKSON, JOHNSON, LAFAYETTE, MORGAN, PETTIS, PLATTE, RAY, SALINE, ST. CLAIR AND VERNON COUNTIES)	$ 55.56	25.80

PLUM0562-004 07/01/2023

	Rates	Fringes
PLUMBERS AND PIPEFITTERS: MECHANICAL CONTRACTS INCLUDING ALL PIPING AND TEMPERATURE CONTROL WORK $7.0 MILLION & UNDER (ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY,CAMDEN, CAPE GIRARDEAU,CARTER, CHARITON, CLARK, COLE, COOPER, CRAWFORD, DENT, DUNKLIN, FRANKLIN, GASCONADE, GRUNDY, HOWARD, HOWELL, IRON, JEFFERSON, KNOX, LEWIS, LINCOLN, LINN, LIVINGSTON, MACON, MADISON, MARIES, MARION, MERCER, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY, NEW MADRID, OREGON, OSAGE, PEMISCOTT, PERRY,	$ 46.66	21.99
PLUMBERS AND PIPEFITTERS: MECHANICAL CONTRACTS INCLUDING ALL PIPING AND TEMPERATURE CONTROL WORK OVER $7.0 MILLION (ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY,CAMDEN, CAPE GIRARDEAU,CARTER, CHARITON, CLARK, COLE, COOPER, CRAWFORD, DENT, DUNKLIN, FRANKLIN, GASCONADE, GRUNDY, HOWARD, HOWELL, IRON, JEFFERSON, KNOX, LEWIS, LINCOLN, LINN, LIVINGSTON, MACON, MADISON, MARIES, MARION, MERCER, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY, NEW MADRID, OREGON, OSAGE, PEMISCOTT, PERRY, PHELPS	$ 46.66	21.99

PLUM0562-016 07/01/2023

	Rates	Fringes
PLUMBERS: MECHANICAL CONTRACTS INCLUDING ALL PIPING AND TEMPERATURE CONTROL WORK $7.0 MILLION & UNDER (CAMDEN, COLE, CRAWFORD, FRANKLIN, JEFFERSON, MARIES, MILLER, MONITEAU, OSAGE, PHELPS, PULASKI, ST. CHARLES, ST. LOUIS (CITY AND COUNTY), WARREN		

AND WASHINGTON COUNTIES).....$	46.66	21.99
PLUMBERS: MECHANICAL CONTRACTS INCLUDING ALL PIPING AND TEMPERATURE CONTROL WORK OVER $7.0 MILLION (CAMDEN, COLE, CRAWFORD, FRANKLIN, JEFFERSON, MARIES, MILLER, MONITEAU, OSAGE, PHELPS, PULASKI, ST. CHARLES, ST. LOUIS (CITY AND COUNTY), WARREN AND WASHINGTON COUNTIES).....$	46.66	21.99

TEAM0013-001 05/01/2025

	Rates	Fringes
TRUCK DRIVERS, GROUP 1 FLAT BED TRUCKS, SINGLE AXLE; STATION WAGONS; PICKUP TRUCKS; MATERIAL TRUCKS, SINGLE AXLE; TANK WAGON, SINGLE AXLE (AUDRAIN, BOLLINGER, BOONE, CALLAWAY, CAPE GIRARDEAU, CARTER, COLE, CRAWFORD, DENT, GASCONADE, IRON, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONROE, MONTGOMERY, NEW MADRID, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, RALLS, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON AND WAYNE COUNTIES).....$	36.57	15.85
TRUCK DRIVERS, GROUP 2 AGITATOR AND TRANSIT MIX TRUCKS (AUDRAIN, BOLLINGER, BOONE, CALLAWAY, CAPE GIRARDEAU, CARTER, COLE, CRAWFORD, DENT, GASCONADE, IRON, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONROE, MONTGOMERY, NEW MADRID, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, RALLS, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON AND WAYNE COUNTIES).....$	36.72	15.85
TRUCK DRIVERS, GROUP 3 FLAT BED TRUCKS, TANDEM AXLE; ARTICULATED DUMP TRUCKS; MATERIAL TRUCKS, TANDEM AXLE; TANK WAGON, TANDEM AXLE (AUDRAIN, BOLLINGER, BOONE, CALLAWAY, CAPE GIRARDEAU, CARTER, COLE, CRAWFORD, DENT, GASCONADE, IRON, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONROE, MONTGOMERY, NEW MADRID, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, RALLS, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON AND WAYNE COUNTIES).....$	36.84	15.85
TRUCK DRIVERS, GROUP 4 SEMI AND/OR POLE TRAILERS; WINCH, FORK & STEEL TRUCKS; DISTRIBUTOR DRIVERS AND OPERATORS; TANK WAGON, SEMI-TRAILER; INSLEY WAGONS, DUMPSTERS, HALF-TRACKS, SPEEDACE, EUCLIDS AND OTHER SIMILAR EQUIPMENT; A-FRAME AND DERRICK TRUCKS; FLOAT OR LOW BOY (AUDRAIN, BOLLINGER, BOONE, CALLAWAY, CAPE GIRARDEAU, CARTER, COLE, CRAWFORD, DENT, GASCONADE, IRON, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONROE, MONTGOMERY, NEW MADRID, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, RALLS, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON AND WAYNE COUNTIES).....$	36.73	15.85
TRUCK DRIVERS: GROUP 1 FLAT BED TRUCKS, SINGLE AXLE; STATION WAGONS; PICKUP TRUCKS; MATERIAL TRUCKS, SINGLE AXLE; TANK WAGON, SINGLE AXLE (ADAIR, BUTLER, CLARK, DUNKIN, HOWELL, KNOX, LEWIS, OREGON, PUTNAM, RIPLEY, SCHUYLER AND SCOTLAND COUNTIES).....$	35.84	15.85
TRUCK DRIVERS: GROUP 1 FLAT BED TRUCKS, SINGLE AXLE; STATION WAGONS; PICKUP TRUCKS; MATERIAL TRUCKS, SINGLE AXLE; TANK WAGON, SINGLE AXLE (FRANKLIN, JEFFERSON AND ST. CHARLES COUNTIES).....$	38.93	15.85
TRUCK DRIVERS: GROUP 1 FLAT BED TRUCKS, SINGLE		

AXLE; STATION WAGONS; PICKUP TRUCKS; MATERIAL TRUCKS, SINGLE AXLE; TANK WAGON, SINGLE AXLE (LINCOLN AND WARREN COUNTIES).....$ 37.58 15.85

TRUCK DRIVERS: GROUP 2 AGITATOR AND TRANSIT MIX TRUCKS (ADAIR, BUTLER, CLARK, DUNKIN, HOWELL, KNOX, LEWIS, OREGON, PUTNAM, RIPLEY, SCHUYLER AND SCOTLAND COUNTIES).....$ 35.99 15.85

TRUCK DRIVERS: GROUP 2 AGITATOR AND TRANSIT MIX TRUCKS (FRANKLIN, JEFFERSON AND ST. CHARLES COUNTIES).....$ 39.08 15.85

TRUCK DRIVERS: GROUP 2 AGITATOR AND TRANSIT MIX TRUCKS (LINCOLN AND WARREN COUNTIES).....$ 38.73 15.85

TRUCK DRIVERS: GROUP 3 FLAT BED TRUCKS, TANDEM AXLE; ARTICULATED DUMP TRUCKS; MATERIAL TRUCKS, TANDEM AXLE; TANK WAGON, TANDEM AXLE (ADAIR, BUTLER, CLARK, DUNKIN, HOWELL, KNOX, LEWIS, OREGON, PUTNAM, RIPLEY, SCHUYLER AND SCOTLAND COUNTIES).....$ 36.11 15.85

TRUCK DRIVERS: GROUP 3 FLAT BED TRUCKS, TANDEM AXLE; ARTICULATED DUMP TRUCKS; MATERIAL TRUCKS, TANDEM AXLE; TANK WAGON, TANDEM AXLE (FRANKLIN, JEFFERSON AND ST. CHARLES COUNTIES).....$ 39.15 15.85

TRUCK DRIVERS: GROUP 3 FLAT BED TRUCKS, TANDEM AXLE; ARTICULATED DUMP TRUCKS; MATERIAL TRUCKS, TANDEM AXLE; TANK WAGON, TANDEM AXLE (LINCOLN AND WARREN COUNTIES).....$ 37.80 15.85

TRUCK DRIVERS: GROUP 4 SEMI AND/OR POLE TRAILERS; WINCH, FORK & STEEL TRUCKS; DISTRIBUTOR DRIVERS AND OPERATORS; TANK WAGON, SEMI-TRAILER; INSLEY WAGONS, DUMPSTERS, HALF-TRACKS, SPEEDACE, EUCLIDS AND OTHER SIMILAR EQUIPMENT; A-FRAME AND (LINCOLN AND WARREN COUNTIES)DERRICK TRUCKS; FLOAT OR LOW BOY....$ 37.69 15.85

TRUCK DRIVERS: GROUP 4 SEMI AND/OR POLE TRAILERS; WINCH, FORK & STEEL TRUCKS; DISTRIBUTOR DRIVERS AND OPERATORS; TANK WAGON, SEMI-TRAILER; INSLEY WAGONS, DUMPSTERS, HALF-TRACKS, SPEEDACE, EUCLIDS AND OTHER SIMILAR EQUIPMENT; A-FRAME AND DERRICK TRUCKS; FLOAT OR LOW BOY (ADAIR, BUTLER, CLARK, DUNKIN, HOWELL, KNOX, LEWIS, OREGON, PUTNAM, RIPLEY, SCHUYLER AND SCOTLAND COUNTIES).....$ 35.74 15.85

TRUCK DRIVERS: GROUP 4 SEMI AND/OR POLE TRAILERS; WINCH, FORK & STEEL TRUCKS; DISTRIBUTOR DRIVERS AND OPERATORS; TANK WAGON, SEMI-TRAILER; INSLEY WAGONS, DUMPSTERS, HALF-TRACKS, SPEEDACE, EUCLIDS AND OTHER SIMILAR EQUIPMENT; A-FRAME AND DERRICK TRUCKS; FLOAT OR LOW BOY (FRANKLIN, JEFFERSON AND ST. CHARLES COUNTIES).....$ 39.04 15.85

TEAM0056-001 05/01/2024

	Rates	Fringes
TRUCK DRIVERS: GROUP 1 FLAT BED TRUCKS SINGLE AXLE; STATION WAGONS; PICKUP TRUCKS; MATERIAL TRUCKS SINGLE AXLE; TANK WAGONS SINGLE AXLE. (BUCHANAN, JOHNSON AND LAFAYETTE COUNTIES)	$ 35.93	15.75
TRUCK DRIVERS: GROUP 2 AGITATOR AND TRANSIT MIX-TRUCKS. (BUCHANAN, JOHNSON AND LAFAYETTE COUNTIES)	$ 36.04	15.75
TRUCK DRIVERS: GROUP 3 FLAT BED TRUCKS TANDEM AXLE; ARTICULATED DUMP TRUCKS; MATERIAL TRUCKS TANDEM AXLE; TANK WAGONS TANDEM AXLE. (BUCHANAN, JOHNSON AND LAFAYETTE COUNTIES)	$ 36.08	15.75
TRUCK DRIVERS: GROUP 4 SEMI AND/OR POLE TRAILERS; WINCH, FORK & STEEL TRUCKS; DISTRIBUTOR DRIVERS & OPERATORS; TANK WAGONS SEMI- TRAILER; INSLEY WAGONS, DUMPSTERS, HALF-TRACKS, SPEEDACE, EUCLIDS &		

OTHER SIMILAR EQUIPMENT; A-FRAMES AND DERRICK TRUCKS; FLOAT OR LOW BOY. (BUCHANAN, JOHNSON AND LAFAYETTE COUNTIES).....$ 36.08 15.75

TEAM0056-001 05/01/2025

	Rates	Fringes
TRUCK DRIVERS, GROUP 1 FLAT BED TRUCKS SINGLE AXLE; STATION WAGONS; PICKUP TRUCKS; MATERIAL TRUCKS SINGLE AXLE; TANK WAGONS SINGLE AXLE. (ANDREW, BARTON, BATES, BENTON, CALDWELL, CAMDEN, CARROLL, CEDAR, CHARITON, CHRISTIAN, CLINTON, COOPER, DADE, DALLAS, DAVIESS, DEKALB, DOUGLAS, GREENE, HENRY, HICHKORY, HOWARD, JASPER, LACLEDE, LAWRENCE, LINN, LIVINGSTON, MONITEAU, MORGAN, NEWTON, PETTIS, POLK, RANDOLPH, ST. CLAIR, SALINE, VERNON, WEBSTER AND WRIGHT COUNTIES)	$ 36.27	15.85
TRUCK DRIVERS, GROUP 2 AGITATOR AND TRANSIT MIX-TRUCKS. (ANDREW, BARTON, BATES, BENTON, CALDWELL, CAMDEN, CARROLL, CEDAR, CHARITON, CHRISTIAN, CLINTON, COOPER, DADE, DALLAS, DAVIESS, DEKALB, DOUGLAS, GREENE, HENRY, HICHKORY, HOWARD, JASPER, LACLEDE, LAWRENCE, LINN, LIVINGSTON, MONITEAU, MORGAN, NEWTON, PETTIS, POLK, RANDOLPH, ST. CLAIR, SALINE, VERNON, WEBSTER AND WRIGHT COUNTIES)	$ 36.43	15.85
TRUCK DRIVERS, GROUP 3 FLAT BED TRUCKS TANDEM AXLE; ARTICULATED DUMP TRUCKS; MATERIAL TRUCKS TANDEM AXLE; TANK WAGONS TANDEM AXLE. (ANDREW, BARTON, BATES, BENTON, CALDWELL, CAMDEN, CARROLL, CEDAR, CHARITON, CHRISTIAN, CLINTON, COOPER, DADE, DALLAS, DAVIESS, DEKALB, DOUGLAS, GREENE, HENRY, HICHKORY, HOWARD, JASPER, LACLEDE, LAWRENCE, LINN, LIVINGSTON, MONITEAU, MORGAN, NEWTON, PETTIS, POLK, RANDOLPH, ST. CLAIR, SALINE, VERNON, WEBSTER AND WRIGHT COUNTIES)	$ 36.42	15.85
TRUCK DRIVERS, GROUP 4 SEMI AND/OR POLE TRAILERS; WINCH, FORK & STEEL TRUCKS; DISTRIBUTOR DRIVERS & OPERATORS; TANK WAGONS SEMI- TRAILER; INSLEY WAGONS, DUMPSTERS, HALF-TRACKS, SPEEDACE, EUCLIDS & OTHER SIMILAR EQUIPMENT; A-FRAMES AND DERRICK TRUCKS; FLOAT OR LOW BOY. (ANDREW, BARTON, BATES, BENTON, CALDWELL, CAMDEN, CARROLL, CEDAR, CHARITON, CHRISTIAN, CLINTON, COOPER, DADE, DALLAS, DAVIESS, DEKALB, DOUGLAS, GREENE, HENRY, HICHKORY, HOWARD, JASPER, LACLEDE, LAWRENCE, LINN, LIVINGSTON, MONITEAU, MORGAN, NEWTON, PETTIS, POLK, RANDOLPH, ST. CLAIR, SALINE, VERNON, WEBSTER AND WRIGHT COUNTIES)	$ 36.54	15.85
TRUCK DRIVERS: GROUP 1 FLAT BED TRUCKS SINGLE AXLE; STATION WAGONS; PICKUP TRUCKS; MATERIAL TRUCKS SINGLE AXLE; TANK WAGONS SINGLE AXLE. ATCHISON, BARRY, GENTRY, GRUNDY, HARRISON, HOLT, MCDONALD, MERCER, NODAWAY, OZARK, STONE, SULLIVAN, TANEY AND WORTH COUNTIES	$ 35.54	15.85
TRUCK DRIVERS: GROUP 2 AGITATOR AND TRANSIT MIX-TRUCKS. ATCHISON, BARRY, GENTRY, GRUNDY, HARRISON, HOLT, MCDONALD, MERCER, NODAWAY, OZARK, STONE, SULLIVAN, TANEY AND WORTH COUNTIES	$ 35.70	15.85
TRUCK DRIVERS: GROUP 3 FLAT BED TRUCKS TANDEM AXLE; ARTICULATED DUMP TRUCKS; MATERIAL TRUCKS TANDEM AXLE; TANK WAGONS TANDEM AXLE. ATCHISON, BARRY, GENTRY, GRUNDY, HARRISON, HOLT, MCDONALD, MERCER, NODAWAY, OZARK, STONE, SULLIVAN, TANEY AND WORTH COUNTIES	$ 35.69	15.85

TRUCK DRIVERS: GROUP 4 SEMI AND/OR POLE TRAILERS; WINCH, FORK & STEEL TRUCKS; DISTRIBUTOR DRIVERS & OPERATORS; TANK WAGONS SEMI- TRAILER; INSLEY WAGONS, DUMPSTERS, HALF-TRACKS, SPEEDACE, EUCLIDS & OTHER SIMILAR EQUIPMENT; A-FRAMES AND DERRICK TRUCKS; FLOAT OR LOW BOY. ATCHISON, BARRY, GENTRY, GRUNDY, HARRISON, HOLT, MCDONALD, MERCER, NODAWAY, OZARK, STONE, SULLIVAN, TANEY AND WORTH COUNTIES....$ 35.81 15.85

TEAM0245-001 03/26/2012

	Rates	Fringes
TRUCK DRIVERS: TRAFFIC CONTROL SERVICE DRIVER. PAID HOLIDAYS: NEW YEAR'S DAY, DECORATION DAY, JULY 4TH, LABOR DAY, THANKSGIVING DAY, CHRISTMAS DAY, EMPLOYEE'S BIRTHDAY AND 2 PERSONAL DAYS.....$	20.45	0.00

TEAM0541-001 04/01/2025

	Rates	Fringes
TRUCK DRIVERS: GROUP 1 (CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES).....$	38.61	15.85
TRUCK DRIVERS: GROUP 2 (CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES).....$	38.04	15.85
TRUCK DRIVERS: GROUP 3 (CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES).....$	37.52	15.85

TEAM0682-002 05/01/2025

	Rates	Fringes
TRUCK DRIVERS: GROUP 1 (ST LOUIS CITY AND COUNTY)...$	37.83	9.85
TRUCK DRIVERS: GROUP 2 (ST LOUIS CITY AND COUNTY)...$	37.83	9.85
TRUCK DRIVERS: GROUP 3 (ST LOUIS CITY AND COUNTY)...$	37.83	9.85

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at https://www.dol.gov/agencies/whd/government-contracts.

Note: Executive Order 13658 generally applies to contracts subject to the Davis-Bacon Act that were awarded on or between January 1, 2015 and January 29, 2022, and that have not been renewed or extended on or after January 30, 2022. Executive Order 13658 does not apply to contracts subject only to the Davis-Bacon Related Acts regardless of when they were awarded. If a contract is subject to Executive Order 13658, the contractor must pay all covered workers at

least $13.65 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract from May 11, 2026, through December 31, 2026. The applicable Executive Order minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under Executive Order 13658 is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than SU, UAVG, SA, or SC denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The SU identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this

classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

SU wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The SA identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the SA identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:

a) a survey underlying a wage determination
b) an existing published wage determination
c) an initial WHD letter setting forth a position on a wage determination matter
d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations

Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210.

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END OF GENERAL DECISION"

This RER has been completed, only administrators may edit this document now, they will contact you if any information changes.

Date Completed: 10/30/2024
Completed By: Kerry Stoneking

Request for Environmental Review
Form#:2024-01-00208

☐ Alternative Project Delivery Method (such as Design/Build)

Project Information

Prefix:	STP	Project Number:	4901650	Bridge Number:	
District:	St. Louis	County:		Sponsor:	
				Sponsor Email:	
TIP Number:	7181-23, 7236-23	Rte/Street:	Mullanphy Road		
MoDOT Job Number:		TIGER Grant Funds:		Is this project on or adjacent to MoDOT Right of Way:	No
Location/Stream Crossing :	MULLANPHY RD				
TMS Project Description - termini (no stations):	CITY OF FLORISSANT, ST. LOUIS CO, RESURFACING AND ADD SIDEWALKS ON MULLANPHY RD FROM PATTERSON RD TO SHACKELFORD RD				
Describe RER project improvements in full detail:	Mullanphy Road is a two lane roadway with parking on one side through residential areas. The subject project extends from Shackelford Road to Patterson Road. Sidewalks exist only on the north side of the road for the majority of the project length. A sidewalk exists south side also between Loveland Drive and Shackelford Road. The sidewalk on the south side will be extended from Loveland Drive to Patterson Road to provide a sidewalk connection to the parks and trail adjacent to the intersection of Mullanphy Road and Patterson Road. Mullanphy Road is a transit route with bus stops along the roadway on both sides. The Sunset Greenway, which runs adjacent to Humes Lane, parallels Mullanphy a few blocks to the north and performs as the primary bicycle route for east-west bicycle travel in the area. Recent Missouri American Water project open cut Mullanphy for the full length of the project adjacent to the north curb line. Excavated pavement areas have been recently restored. Settlement of trenched and restored areas may occur over time making the need for resurfacing even more necessary by the time construction begins on the project. The scope of the improvements includes resurfacing the roadway, replacement of damaged or deteriorated curb and sidewalk, construction of accessible curb ramps, and new sidewalk to improve pedestrian safety and mobility.				
District Liaison:	Christopher Caldwell - 314-453-1784			Contact:	None selected
Email:	Christopher.Caldwell2@modot.mo.gov			Email:	andrea.davis@hrgreen.com
Contact:	None selected			Contact:	None selected
Email:				Email:	
Date Desired:	03/01/2024			Submit Date:	01/31/2024
Desired A-Date:	08/01/2024				
Responsible Individual:	Andrea Davis - (1/30/2024 5:16:26 PM) - 636-812-4203			Submitted By:	Andrea Davis - (1/31/2024 12:00:00 AM) - 636-812-4203

Existing Condition

ADT:	5376			Speed Limit:	25
Number of Travel Lanes:	2			Lane Width:	11
Shoulder Width:	0			Curb and Gutter:	Yes
Bridge width, measured from guttlerline to gutterline:	N/A			Sidewalks:	Left

Proposed Design Improvement

ADT:	6824	Speed Limit:	25	Design Speed:	25
Number of Travel Lanes:	2			Lane Width:	11
Shoulder Width:	0			Curb and Gutter:	Yes
Bridge width, measured from gutterline to gutterline:	N/A			Sidewalks:	Both
Bridge Length:	N/A			Roadway length:	1.05
Railroad Crossing	No			Drainage District (If Applicable):	None

Program Year:

Preliminary Engineering:	2024	Right of Way:	2024

Construction: 2025

Has the sponsor documented that the project has: 1. Independent utility, 2. Logical termini, and 3. Does not restrict consideration of alternatives for other reasonably foreseeable transportation improvements?: (●) Yes ( ) No

☐ Project breakout from previous or larger project? *If checked explain:*

Acres - From all sources (e.g. donated from public or private entities):

Additional R/W (acres): 0.09 **Temp Easement (acres):** 0.27 **Permanent Easement (acres):** 0.0

ROW may be needed, but, not yet determined? Yes

Is ANY Federally-owned land impacted by the project? ( ) Yes (●) No

Land Disturbance:

Will project involve 1 acre or more: No

Acres of Tree Clearing: 0.09 acres

DO NOT CLEAR TREES W/O MODOT'S PRIOR WRITTEN APPROVAL.

Number of Displacements(do not include partial takes that do not displace):

Residential: ( ) Yes (●) No Commercial: ( ) Yes (●) No

No. of People: Residences: No. of Employees: Businesses:

Any Public Involvement planned or completed:

A public meeting is anticipated to occur in the summer of 2024. Mullanphy Road was a bus route, but the route has been out of service since 2020. Metro Bus was contacted, and they have confirmed this route will not be put back into service. No bus routes will be affected by construction. Email correspondence with Metro is attached.

Average Daily Traffic:

ADT Construction Year: 5376 ADT Design Year: 6824

Traffic Impacts:

Road Closure Planned: ( ) Yes (●) No Bridge Closure Planned: ( ) Yes (●) No

Days/Months Closed: Detour > 25 mi rural (including local roads) ( ) Yes (●) No

Detour > 5 mi urban (including local roads, census defined urban) ( ) Yes (●) No

Detour Info:

Bicycle / Pedestrian Consideration

Pedestrian facilities considered: Yes Bicycle facilities considered: Yes

National Flood Insurance Program (NFIP) and Hydraulic Design Data:

☐ Project involves land purchased through FEMA Hazard Mitigation Grant Program (Flood buyout property)

If checked, give details:

Is ANY construction taking place on MoDOT owned property under this project?

( ) Yes (●) No

☑ Is highway improvement located within 4 miles of an existing airport?

Please note that **the LPA** is responsible for obtaining the necessary permits for the project. See the following Airport Link

Known Concerns: Provide information you have about these resources that you have observed in the area.

Parkland:	Initial 01/30/24: The existing sidewalk and new sidewalk will connect to the existing Great Rivers Greenway Sunset Greenway at the intersection of Mullanphy Road and Patterson Road. Update 06/06/24: The sidewalk construction will not result in closure of the Sunset Greenway. The new sidewalk is providing a connection to the greenway so that users on south side of Mullanphy can access the greenway, but no work will be done on the greenway itself.
Wetland/404 Permit:	Initial 01/30/24: According to NWI, no wetlands are located on the project limits. Approximately 425 feet south of the corridor, a drainage ditch runs parallel to Mullanphy Road which is categorized as Riverine in NWI.
Land Disturbance / Stormwater:	Initial 01/30/24: Less than 1 AC of disturbance is anticipated based on conceptual design.
Farmland:	Initial 01/30/24: No farmland is located on or adjacent to project limits.
Threatened & Endangered Species:	Initial 01/30/24: IPaC Official Species List is attached. MDC Level 3 report is attached. Follow up report from MDC has been requested. Tree clearing is not anticipated, unless singular street trees are required for sidewalk construction. Update 02/23/24: MDC response for Level 3 report is attached. Species assessment and preliminary plans forthcoming. Update 06/06/24: One tree will be cleared for this project. The species assessment with photos of the tree is attached.
Migratory Birds: Are there birds nesting on the structure?	○ Unknown ○ Yes ◉ No Initial 01/30/24: No bridges or large structures are located within project limits. No impacts to migratory birds anticipated.
Hazardous Waste:	Initial 01/30/24: E-Start shows one storage tank facility labeled 'no further action required' at the corner of Mullanphy and Patterson Road. Conflicts are not anticipated. E-Start screen capture attached.
Cultural Resources:	Initial 01/30/24: MO SHPO Map of Historic Resources shows no registered historic locations on the project. SHPO screen capture is attached. Mullanphy Road is almost exclusively a residential area with houses constructed in the 1950s and 1960s. The properties surrounding the intersection of Mullanphy Road and Shackelford Road are commercial, and Google Earth aerial imagery shows that these properties were developed prior to 1990. Update 05/30/24: Preliminary plans are attached. Update 08/06/24: RCIF, CRIR, cultural resources report, and appendices are attached. Update 08/31/24: SHPO determination of no historic properties affected is attached.
LPA Comments:	Update 06/06/24: FAA Notice Criteria Tool completed - does not exceed

Project Attachments:

NOTE: If making updates to an attachment, please use a different filename than the original.
The combined size of attachments in one upload must be less than 100MB

Attachments:

- Mullanphy Rd Open House - Website Screenshot 2024-11-04.png
- Mullanphy Rd Open House - Sign-in Sheet.pdf
- Mullanphy Rd Open House - Press Release.pdf
- Mullanphy Rd Open House - Facebook Screenshot 2024-11-06.png
- Mullanphy Rd Open House - Comment Form.pdf
- 110-SL-24 2491 nhpa.pdf
- 5_Draft_CulRes_brkSht_resume.pdf
- 4_Draft_CulRes_AppC.pdf
- 3_Draft_CulRes_AppB.pdf
- 2_Draft_CulRes_Report_AppA.pdf
- 1_Draft_CulRes_MDNR_RCIF_Form.pdf
- 240606_ListedSpeciesMemo_Mullanphy.pdf
- 240401_MetroBus_Correspondence.pdf
- FAA_Notice-Criteria-Tool_Do-Not-Exceed.pdf
- 240515_STP-4901650_Mullanphy_Preliminary_Plans.pdf
- MDC_Response_Level3_report_240223.pdf
- NWI_Screen_Capture.JPG
- MDC_Level3_project_report_mullanphy_road_resurf_64440_65973_FINAL.pdf
- IPaC_Species List_ Missouri Ecological Services Field Office.pdf
- E-Start_Screen_Capture.JPG
- FIRMETTE_68ba8a90-23bd-4af6-a0d7-861e7dac6eb5.pdf
- SHPO_Screen_Capture.JPG
- Mullanphy.kmz

Required Information to be attached for each RER stage:

- ***Cost-Share agreement, if applicable***
- ***Funding Application***
- *Location map (county map, topographic map or aerial map) showing the project limits*
- *plan sheets as the become available*
- *KMZ file showing project area/study area and tree clearing limits*
- *Permits/documentation as required (floodplain, farmland form, NWP, asbestos & lead based paint inspection reports, Section 106 report, RCI and CRIR forms, SHPO concurrence letter, USFWS IPac Official Species List, MDC Heritage Review Report, Effects determination)*

RER Environmental Screenings

Farmland Impact

Status: N/A

Status Information: (●) N/A ( ) Pending ( ) Cleared Clearance Date:

Environmental Response: The project is in a designated urbanized area as indicated on the U.S. Census Bureau Urban Area Reference Map. Therefore, the project is not subject to the Farmland Protection Policy Act.

LPA Action: None

Attachments:

☑ Farmland Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kerry Stoneking - 1/31/2024 10:35:05 AM

Floodplain/Regulatory Floodway

Status: N/A

Status Information: (•) N/A ( ) Pending ( ) Cleared

Clearance Date:

Environmental Response: According to the attached FEMA floodplain map, the project is not located in the 100-year floodplain or the regulatory floodway. The project is not subject to floodplain permitting requirements.

LPA Action: None

Attachments: FIRMETTE_4901650.PNG

[x] Floodplain/Regulatory Floodway Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kerry Stoneking - 1/31/2024 10:42:43 AM

Land Disturbance / Stormwater

Status: N/A

Status Information: (•) N/A ( ) Possible Issues Noted

Clearance Date:

Environmental Response: If the project is in a regulated MS4 area, adhere to the MS4 requirements as defined in the MS4 permit specific to that municipality. Stormwater routed into MoDOT's drainage system (e.g., ditches and stormwater conveyance systems) must be treated for water quality and/or quantity before entering the system. Any project with land disturbance of 1-acre or more requires a NDPES land disturbance permit from MDNR.

LPA Action: If the project will disturb 1-acre or more of land, obtain a NPDES land disturbance permit from DNR. The LPA must also implement best management practices in accordance with that permit and the Clean Water Act.

Attachments:

[x] Land Disturbance / Stormwater Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kerry Stoneking - 1/31/2024 10:48:03 AM

FEMA/SEMA Buyout

Status: N/A

Status Information: (•) N/A ( ) Pending ( ) Cleared

Clearance Date:

Environmental Response: According to the ArcMap GIS FEMA buyout layer, there are no flood buyout properties in the vicinity of the project. The project will not result in development on any FEMA buyout properties.

LPA Action: None

Attachments:

[x] FEMA/SEMA Buyout Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kerry Stoneking - 1/31/2024 10:48:30 AM

Socioeconomic Impact

Status: Cleared

Status Information: ( ) N/A ( ) Pending (•) Cleared

Clearance Date: 06/07/2024

Environmental Response: UPDATED (12/16/24): The consultant has provided documentation for the public meeting that took place on November 21, 2024. UPDATED (10/29/24): The public meeting will now be held the week of November 18th, 2024. The City plans to announce the meeting on their website and social media pages and use changeable message signs on Mullanphy Road. The project design will be presented on display boards in an open house style format. UPDATED (6/7/24): A public meeting is anticipated to occur in the summer of 2024. Mullanphy Road was a bus route, but the route has been out of service since 2020. Metro Bus was contacted, and they have confirmed this route will not be put back into service. No bus routes will be affected by construction. Email correspondence with Metro is attached. There are no significant socioeconomic impacts associated with this project. Impacts will be temporary and limited to traffic disruptions, construction noise, and fugitive dust and emissions in the area of project construction. INITIAL: The project requires new right of way, temporary easements, and permanent easements that are subject to the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended. The project does not require commercial or residential displacements. Road closures and detours will not be necessary during construction. A public meeting is anticipated to occur in May 2024. Based on a review of EJScreen, the project site is not located in an area with a high limited-English speaking population (0%). It is located in an area with a high minority population (63%) and a high low-income population (67%). However, the project will provide a benefit to the community by increasing access to nearby amenities. Mullanphy Road is a transit route with bus stops along the roadway on both sides.

LPA Action: UPDATED (6/7/24): Provide documentation of any comments received at the public meeting and how they were addressed. Conduct the acquisition of affected properties in accordance with the procedures established in the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended. Provide sufficient public notice of construction work and traffic management plans consistent with MoDOT's and local public involvement policies and procedures. Ensure a traffic management control plan is implemented by the contractor during construction which should include how the public will be notified of travel disruptions. INITIAL: Confirm whether or not access to bus stops will be restricted during construction.

Attachments:

[x] Socioeconomic Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kerry Stoneking - 12/16/2024 7:22:42 AM

Threatened & Endangered Species

Status: No Effect

Status Information: (●) No Effect ( ) Pending ( ) Cleared Clearance Date: 06/19/2024

Environmental Response: UPDATE 4/16/2026: The consultant requested review to determine if the project is within the No Effect zone for bats established by USFWS. The project is entirely within this area - no tree clearing restrictions are required for the project. UPDATE 6/19/2024: MoDOT has completed a TE review for the project (effects determination attached). The USFWS IPaC lists the following species for the project area: gray bat, Indiana bat, northern long-eared bat, tricolored bat (proposed endangered), and decurrent false aster. There are no critical habitats located within the project limits. Based on follow-up MDC email correspondence regarding the Level 3 report, MDC has no further concerns or recommendations regarding the project. Based on this response, the project will not impact state-listed species or species of conservation concern. The project will not impact any known caves or structures that could be used by bats for roosting. The project will have No Effect on gray bats. The consultant indicated that removal of a single tree would be required for the project. The tree to be removed is located less than 100 feet from the existing roadway. The consultant completed a habitat assessment and indicated that the tree to be removed is not suitable habitat for Indiana and northern long-eared bats. MoDOT reviewed the consultant's habitat assessment documentation and agrees with their assessment; the existing tree is located in a residential lawn and lacks characteristics that would make it suitable summer roosting habitat. Based on the lack of suitable summer habitat, MoDOT determined that the project would have No Effect on Indiana and northern long-eared bats. While the removal of 1 tree will not jeopardize the continued existence of the tricolored bat, the sponsor has agreed to seasonal tree clearing restrictions and has committed to completing tree removal during the winter inactive season between November 1 – March 31; a JSP will be required. Suitable habitat for the decurrent false aster is not present within the project area and the project will have No Effect on the decurrent false aster. This completes the TE requirements for the project. UPDATE 6/6/2024: The consultant submitted all T&E documentation which has been provided to MoDOT's T&E biologist for review and effects determinations. The environmental specialist will notify the consultant of the progress of the review. IPaC Official Species List and MDC Level 3 initial report have been provided. Follow up MDC response has been received. Additional items listed in LPA Action below are required to complete T&E species review.

LPA Action: Nothing further required. Ensure that the seasonal tree clearing JSP is included in contract documents and implemented during project construction.

Attachments:

- STP-4901(650)_Mullanphy_NE Zone_No Tree Clearing Restrictions.pdf
- TE Complete - No Effect Tree Clearing JSP Required STP-4901(650) St. Louis Mullanphy Road.msg
- STP-4901(650)_MoDOT Effects Determination_St Louis_Mullanphy Road_FINAL.pdf

☑ Threatened & Endangered Species Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Mark Sowers - 4/16/2026 3:48:36 PM

Migratory Birds

Status: N/A

Status Information: (●) N/A ( ) Pending ( ) Cleared Clearance Date:

Environmental Response: According to the RER submission, no bridges or other structures will be impacted by the project. Therefore, there are no conflicts or concerns regarding the Migratory Bird Treaty Act.

LPA Action: None

Attachments:

☑ Migratory Birds Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Mark Sowers - 1/31/2024 8:54:41 AM

Hazardous Waste Impact

Status: N/A

Status Information: (●) N/A ( ) Pending ( ) Cleared Clearance Date:

Environmental Response: According to the attached DNR E-START map, there are no Hazardous Substance Investigation and Cleanup Sites and no Regulated Petroleum and Hazardous Substance Storage Tank Facilities in the vicinity of the project area. There are no hazardous waste site concerns based on this information. However, the potential to encounter hazardous wastes from sites unknown to the LPA and MoDOT should always be a consideration.

LPA Action: If there is any hydroblasting, grooving, milling or diamond grinding related to the project, residue and associated water must be prevented from being released to waterways or adjacent wetlands. Any hazardous waste sites that are found during project construction will be addressed by the LPA sponsor in accordance with Federal and State Laws and Regulations. If any hazardous waste concerns arise, notify MoDOT's environmental specialist as soon as possible.

Attachments:

- EStart_4901650.PNG

☑ Hazardous Waste Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kerry Stoneking - 1/31/2024 11:54:49 AM

Wetland Impact (Section 404/401)

Status: N/A

Status Information: (•) N/A ( ) Pending ( ) Cleared Clearance Date:

Environmental Response: According to the attached USFWS National Wetlands Inventory map, and Google Earth imagery, there are no wetlands, blue line streams, lakes, ponds, or other waters of the U.S. in or around the project area. The project is not anticipated to impact wetlands or waters of the U.S.

LPA Action: None

Wetland Permit Information:

404 Permit Number	Permit Submitted	Permit Received
Permit Expiration	Compliance Certification Sent	Compliance Certification Received

Attachments: NWI_4901650.pdf

☑ Wetland Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kerry Stoneking - 1/31/2024 11:54:04 AM

Noise Impact

Status: N/A

Status Information: (•) N/A ( ) Pending ( ) Cleared Clearance Date:

Environmental Response: This is a Type III project and a noise analysis is not required.

LPA Action: None

Attachments:

☑ Noise Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kerry Stoneking - 1/31/2024 11:40:05 AM

Cultural Resources Impact (Section 106/Historic 4f)

Status: Cleared

Section 106 Status: ○ Pending ◉ Cleared

Section 106 SHPO Submittal Date:

Clearance Date: 10/28/2024

Project Specific Agreement Document:

◉ N/A ○ PA ○ MOA

Select Programmatic Agreements Used:

First Choice: -- Select Programmatic Agreement Used --

Second Choice: -- Select Programmatic Agreement Used --

Third Choice: -- Select Programmatic Agreement Used --

Built Environment Response:

Reviewer: Review completed for Built Environment ☐

Archaeological Response:

Reviewer: Review completed for Archaeology ☐

Environmental Response: UPDATE 10/28/2024: An adequate cultural resources survey was completed for this project. On August 29, 2024, SHPO concurred with a determination of No Historic Properties Affected (SHPO Project No. 110-SL-24). UPDATE 8/26/2024: The report may be submitted to SHPO. UPDATE 6/12/2024: The project requires a Section 106 Review in consultation with MoDOT, the City of Florissant, and the State Historic Preservation Officer (SHPO) for identifying potential cultural resources that may be impacted by the project. Initial Response: MoDOT requires project plans showing the limits of disturbance, ROW, and easements to determine cultural resource requirements for this project.

LPA Action: UPDATE 10/28/2024: Be advised that if changes are made to the project (including but not limited to the addition of new right of way or easements, or the changing of the scope) the project will need to be reevaluated and additional clearances may be required. UPDATE 6/12/2024: The project will include resurfacing and repairing existing sidewalks along Mullanphy Road from Patterson Road to Shackelford Road. New sidewalks will also be constructed along hte south side of Mullanphy Rd between Loveland Road and Patterson Road. The project is anticipated to require 0.09 acre of new right-of-way (ROW); and additional ROW may be needed. Approximately 0.27 acre of temporary easements is also expected to be needed. No permanent easement is anticipated. The project will also include approximately 0.09 acre of tree clearing. The new right-of-way and easements for the proposed sidewalk between Loveland and Patterson Roads appears to be within previously undisturbed land. Furthermore, archaeological sites have been discovered in similar settings within the county. Therefore, an archaeological survey must be conducted for the project. The cultural resources survey also must address the area of potential effects (APE) for the built environment. The APE for the built environment is defined as a 50 ft buffer around any areas of new ROW or permanent easement and around any temporary construction easements associated with sidewalk construction. The cultural resources survey should provide photographs, descriptions, and National Register of Historic Places evaluations of any built environment resources (buildings or structures 45 years of age or older) located in the APE for the built environment. If such resources are located, please include and all resources located on the associated parcel in the assessment. Resources less than 45 years old within the APE should be noted but do not need to be assessed. An assessment of effects must be provided for any resource that is listed or recommended eligible for listing in the National Register of Historic Places. Please submit a report of the cultural resource survey to MoDOT for review before submission to SHPO. A Review and Compliance Information Form and Cultural Resource Investigation Report Form must accompany every submission to SHPO. A list of Historic Preservation consultants included on MoDOT's LPA Consultant On-Call List can be found here: 2023-2026 LPA Consultant On-Call List | Missouri Department of Transportation (modot.org) Initial Response: Please post plans when available and we will provide further instructions.

Attachments: St. Louis_Mullanphy Rd_STP 4901(650)_Section 106_Admin_Record.pdf

☐ Adverse Effect or Conditional No Adverse Effect

☑ Based on the review of the project location and description noted above, there are no identified historic 4(f) resources affected that would preclude the setting of an A-date.

Checked by: Elizabeth Gallow on 10/28/2024 NA

Approved on:

☑ Cultural Resources Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Alyssa Reynolds - 11/13/2024 8:36:29 AM

Public Land Impact (Section 4f/6f)

Status: Cleared

Status Information: ○ N/A ○ Pending ◉ Cleared

Clearance Date: 06/07/2024

Environmental Response: UPDATED (6/7/24): The consultant has confirmed that the construction will not cause a closure of Sunset Greenway. The new sidewalk is providing a connection to the greenway so that users on south side of Mullanphy can access the greenway, but no work will be done on the greenway itself. INITIAL: The intersection of Mullanphy Road and Patterson Road is crossed by the Sunset Greenway, a Section 4(f) resource. The trail has not received funding from Land and Water Conservation Funds for land acquisition or improvements; therefore, Section 6(f) does not apply. The RER submission indicates that proposed sidewalks will tie in to the existing trail.

LPA Action: COMPLETED: Indicate whether sidewalk construction to tie into the Sunset Greenway will result in any temporary closure of the trail.

Attachments:

☑ Based on the review of the project location and description noted above, there are no identified 4(f) or 6(f) resources affected that would preclude the setting of an A-date.

Checked by: Kerry Stoneking on 06/07/2024

☑ Public Land Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kerry Stoneking - 6/7/2024 12:33:00 PM

Other

Status: Cleared

Status Information: ○ N/A ○ Pending ◉ Cleared

Clearance Date: 06/07/2024

Environmental Response: UPDATED (6/7/24): The consultant has uploaded a memo from FAA's Notice Criteria Tool which determined that the project does not exceed Notice Criteria. INITIAL: The project is within 4 miles of St. Louis Lambert International Airport, an existing public use airport.

LPA Action: COMPLETED: Access FAA's Notice Criteria Tool at: https://oeaaa.faa.gov/oeaaa/external/gisTools/gisAction.jsp?action=showNoNoticeRequiredToolForm After entering improvement information into the FAA tool, filing information will be determined with one of two outcomes: (1) the improvement will need to be filed with the FAA, or (2) the improvement does not meet the FAA's filing requirement and no further action is required. Upload all documentation to the RER. This section does not have to be complete to obtain a NEPA date or A-date but must be completed before the environmental specialist issues All Environmental Issues Cleared. OR for RESs - Ensure documentation is uploaded to e-Projects.

Attachments:

☑ Other Screening Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Kerry Stoneking - 6/7/2024 12:40:41 PM

NEPA Classification

Status: Cleared

NEPA Right-Of-Way Permission: Can Proceed to Buy R/W

as determined or approved by: KYLE.GRAYSON@MODOT.MO.GOV

EPA Approval/Proceed to A-date Request: 10/30/2024

Re-evaluation Date:

NEPA Classification: PCE

is project qualifies for the programmatic categorical exclusion under Item#: 26

All Environmental Issues Cleared: 10/30/2024

Commitments and/or omments to Sponsor: If there are any changes in the scope of the project, the Environmental Section should review those changes. The sponsor is ultimately responsible for complying with all applicable state and federal laws.

chments:

NEPA Concurrence RER#2024-01-00208 SL 4901650 ST. LOUIS.msg

Last Submitted: 10/30/2024 by Kerry Stoneking

Davis, Andrea

From: Kyle E. Grayson
Sent: Wednesday, October 30, 2024 2:50 PM
To: Kerry B. Stoneking
Cc: Mark Sowers
Subject: RE: Requested Action - NEPA Concurrence, RER#2024-01-00208, SL, 4901650, ST. LOUIS

Kerry,

I concur with a PCE #26 NEPA Classification for the subject project. Thank you!

KYLE GRAYSON
ENVIRONMENTAL COMPLIANCE MANAGER, MODOT
573-526-5648

From: Kerry B. Stoneking <Kerry.Stoneking@modot.mo.gov>
Sent: Tuesday, October 29, 2024 3:08 PM
To: Kyle E. Grayson <Kyle.Grayson@modot.mo.gov>
Cc: Mark Sowers <Mark.Sowers@modot.mo.gov>
Subject: Requested Action - NEPA Concurrence, RER#2024-01-00208, SL, 4901650, ST. LOUIS

Hi Kyle,

I am requesting concurrence that the project below qualifies for a PCE NEPA classification. The project involves resurfacing and construction of sidewalks along Mullanphy Road from Patterson Road to Shackelford Road in St. Louis County. The project requires 0.27-acre of temporary easements, 0.0 permanent easements, and 0.9-acre of new ROW and the TE Species, Cultural Resources, and Public Lands sections of the RER have been cleared. Planned public involvement information has also been provided. I believe the project qualifies for a PCE based on Criteria #26 of the PCE Agreement. Let me know if you agree.

Thanks!

RER (mo.gov)

Kerry Stoneking
Environmental Contractor
(913)-318-4786
MoDOT-Design
601 West Main Street, PO Box 270
Jefferson City, MO

MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Michael L. Parson
Governor

Dru Buntin
Director

August 29, 2024

Andrea Schumann Davis
HR Green
520 Maryville Centre Drive, Suite 100
St. Louis, MO 63141

Re: **SHPO Project Number: 110-SL-24** — Cultural Resources Investigation for Mullanphy Road Improvements - STP#4901(650) – Florissant, St. Louis County, Missouri (FHWA)

Dear Andrea Schumann Davis:

Thank you for submitting information to the State Historic Preservation Office (SHPO) regarding the above-referenced project for review pursuant to Section 106 of the National Historic Preservation Act, P.L. 89-665, as amended (NHPA), and the Advisory Council on Historic Preservation's regulation 36 CFR Part 800, which require identification and evaluation of historic properties.

We have reviewed the information regarding the above-referenced project and have included our comments on the following page(s). Please retain this documentation as evidence of consultation with the Missouri SHPO under Section 106 of the NHPA. SHPO concurrence does not complete the Section 106 process as federal agencies will need to conduct consultation with all interested parties. **Please be advised that, if the current project area or scope of work changes, such as a borrow area being added, or cultural materials are encountered during construction, appropriate information must be provided to this office for further review and comment.**

If you have questions please contact the SHPO at (573)751-7858 or call/email Charles Horton (573) 526-4591, charles.horton@dnr.mo.gov. If additional information is required please submit the information via email to MOSection106@dnr.mo.gov.

Sincerely,

STATE HISTORIC PRESERVATION OFFICE

Dawn Scott
Director

c: Michele Lorenzini, Mound City Archaeological Services
Rachel Campbell, MoDOT
Rebecca Rost, FHWA

SHPO Project Number: 110-SL-24 — Cultural Resources Investigation for Mullanphy Road Improvements - STP#4901(650) – Florissant, St. Louis County, Missouri (FHWA)

COMMENTS:

We have reviewed the cultural resource assessment report for the Mullanphy Road Improvements - STP#4901(650), Florissant, St. Louis County, Missouri. Based on this review it is evident that an adequate survey has been conducted of the project area. We concur that the resources in the project area should be considered **not eligible** for the NRHP. We therefore also concur with the determination of **no historic properties affected** and have no objection to the initiation of project activities.

SHPO Reviewer: Charles Horton (573) 526-4591, charles.horton@dnr.mo.gov

Missouri Department of Conservation

Missouri Department of Conservation's Mission is to protect and manage the forest, fish, and wildlife resources of the state and to facilitate and provide opportunities for all citizens to use, enjoy and learn about these resources.

Natural Heritage Review Level Three Report: Species Listed Under the Federal Endangered Species Act

There are records of species listed under the Federal Endangered Species Act, and possibly also records for species listed Endangered by the state, or Missouri Species and/or Natural Communities of Conservation Concern within or near the the defined Project Area. Please contact the U.S. Fish and Wildlife Service and the Missouri Department of Conservation for further coordination.

Foreword: Thank you for accessing the Missouri Natural Heritage Review Website developed by the Missouri Department of Conservation with assistance from the U.S. Fish and Wildlife Service, the U.S. Army Corps of Engineers, Missouri Department of Transportation and NatureServe. The purpose of this report is to provide information to federal, state and local agencies, organizations, municipalities, corporations, and consultants regarding sensitive fish, wildlife, plants, natural communities, and habitats to assist in planning, designing, and permitting stages of projects.

PROJECT INFORMATION

Project Name and ID Number: Mullanphy Road Resurfacing #13976
User Project Number: STP-4901650
Project Description: Project is located in St. Louis County. No streams are located on project. Mullanphy Road is a two lane roadway with parking on one side through residential areas. The subject project extends from Shackelford Road to Patterson Road. Sidewalks exist only on the north side of the road for the majority of the project length. A sidewalk exists south side also between Loveland Drive and Shackelford Road. The sidewalk on the south side will be extended from Loveland Drive to Patterson Road to provide a sidewalk connection to the parks and trail adjacent to the intersection of Mullanphy Road and Patterson Road. Mullanphy Road is a transit route with bus stops along the roadway on both sides. The Sunset Greenway, which runs adjacent to Humes Lane, parallels Mullanphy a few blocks to the north and performs as the primary bicycle route for east-west bicycle travel in the area. Recent Missouri American Water project open cut Mullanphy for the full length of the project adjacent to the north curb line. Excavated pavement areas have been recently restored. Settlement of trenched and restored areas may occur over time making the need for resurfacing even more necessary by the time construction begins on the project. The scope of the improvements includes resurfacing the roadway, replacement of damaged or deteriorated curb and sidewalk, construction of accessible curb ramps, and new sidewalk to improve pedestrian safety and mobility.
Project Type: Transportation, Roads
Contact Person: Andrea Davis
Contact Information: andrea.davis@hrgreen.com or 6368124203

Disclaimer: This NATURAL HERITAGE REVIEW REPORT identifies if a species or natural community tracked by the Natural Heritage Program is known to occur within or near the project area submitted, and shares recommendations to avoid or minimize project impacts to sensitive species or natural habitats. Incorporating information from the Natural Heritage Program into project plans is an important step in reducing impacts to Missouri's sensitive natural resources. If an occurrence record is present, or the proposed project might affect federally listed species, the user must contact the Department of Conservation or U.S. Fish and Wildlife Service for more information.

This Natural Heritage Review Report is not a site clearance letter for the project. Rather, it identifies public lands and records of sensitive resources located close to and/or potentially affected by the proposed project. If project plans or location change, this report may no longer be valid. Because land use conditions change and animals move, the existence of an occurrence record does not mean the species/habitat is still present. Therefore, reports include information about records near but not necessarily on the project site. Lack of an occurrence record does not mean that a sensitive species or natural community is not present on or near the project area. On-site verification is the responsibility of the project. However, the Natural Heritage Program is only one reference that should be used to evaluate potential adverse project impacts and additional information (e.g. wetland or soils maps, on-site inspections or surveys) should be considered. Reviewing current landscape and habitat information, and species' biological characteristics would additionally ensure that Missouri Species of Conservation Concern are appropriately identified and addressed in planning efforts.

U.S. Fish and Wildlife Service – Endangered Species Act (ESA) Coordination: Lack of a Natural Heritage Program occurrence record for federally listed species in your project area does not mean the species is not present, as the area may never have been surveyed. Presence of a Natural Heritage Program occurrence record does not mean the project will result in negative impacts. This report does not fulfill Endangered Species Act consultation with the U.S. Fish and Wildlife Service (USFWS) for listed species. Direct contact with the USFWS may be necessary to complete consultation and it is required for actions with a federal connection, such as federal funding or a federal permit; direct contact is also required if ESA concurrence is necessary. Visit IPaC: Home (fws.gov) to initiate USFWS Information for Planning and Conservation (IPaC) consultation. Contact the Columbia Missouri Ecological Field Services Office (573-234-2132, or by mail at 101 Park Deville Drive, Suite A, Columbia, MO 65203) for more information.

Transportation Projects: If the project involves the use of Federal Highway Administration transportation funds, these recommendations may not fulfill all contract requirements. Please contact the Missouri Department of Transportation at 573-526-4778 or visit Home Page | Missouri Department of Transportation (modot.org) for additional information on recommendations.

Mullanphy Road Resurfacing



January 31, 2024

1:26,478

0 0.23 0.45 0.9 mi

0 0.35 0.7 1.4 km

Buffered Project Boundary

Project Boundary

Esri, NASA, NGA, USGS, FEMA, County of St. Louis, Missouri Dept. of Conservation, Missouri DNR, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Species or Communities of Conservation Concern within the Area:

There are records of species listed under the Federal Endangered Species Act, and possibly also records for species listed Endangered by the state, or Missouri Species and/or Natural Communities of Conservation Concern within or near the defined Project Area. Please contact the U.S. Fish and Wildlife Service and the Missouri Department of Conservation for further coordination.

Email (preferred): NaturalHeritageReview@mdc.mo.gov
MDC Natural Heritage Review
Science Branch
P.O. Box 180
Jefferson City, MO
65102-0180
Phone: 573-522-4115 ext. 3182

U.S. Fish and Wildlife Service
Ecological Service
101 Park Deville Drive
Suite A
Columbia, MO
65203-0007
Phone: 573-234-2132

Other Special Search Results:

No results have been identified for this project location.

Project Type Recommendations:
Transportation - Roads: New and Maintenance projects typically change the plants and animals that live on the right-of-way or in the vicinity. Minimize erosion and sedimentation/runoff to nearby streams and lakes by carefully adhering to any Clean Water Act permit conditions; and include design elements to manage stormwater so that present water discharge rates from the site to streams during heavy rain events are not increased. Revegetation of disturbed areas is recommended to minimize erosion, as is restoration with native plant species compatible with the local landscape and wildlife needs. Annuals like ryegrass may be combined with native perennials for quicker green-up. Avoid aggressive exotic perennials such as crown vetch and sericea lespedeza.
Maintenance of ground cover in utility corridors can have significant implications for sensitive resources. Native plant species typically require low maintenance over the long term, and provide more benefits to native wildlife. Use silt fences and/or vegetative filter strips to buffer streams and drainages, and monitor those after rain events and until a well-rooted ground cover is reestablished. Please see Best Management Practices for Construction and Development Projects Affecting Missouri Rivers and Streams (mo.gov).

Project Location and/or Species Recommendations:

Endangered Species Act Coordination - If this project has the potential to alter habitat (e.g. tree removal, projects in karst habitat) or cause direct mortality of bats, please coordinate directly with U.S. Fish and Wildlife Service (Ecological Services, 101 Park Deville Drive, Suite A, Columbia, Missouri 65203-0007; Phone 573-234-2132 Ext. 100 for Ecological Services) for further coordination under the Endangered Species Act. Indiana bats *(Myotis sodalis*, federal- and state-listed endangered) and **Northern long-eared bats** (*Myotis septentrionalis,* federal-listed threatened) may occur near the project area. Both of these species of bats hibernate during winter months in caves and mines. During the summer months, they roost and raise young under the bark of trees in wooded areas, often riparian forests and upland forests near perennial streams. During project activities, avoid degrading stream quality and where possible leave snags standing and preserve mature forest canopy. Do not enter caves known to harbor Indiana bats or Northern long-eared bats, especially from September to April.

Gray Bat: The submitted project location is within the range of the Gray Myotis (i.e., Gray Bat) in Missouri. Depending on habitat conditions of your project's location, Gray Myotis (*Myotis grisescens*, federal and state-listed endangered) could occur within the project area, as they forage over streams, rivers, lakes, and reservoirs. Avoid entry or disturbance of any cave inhabited by Gray Myotis and when possible retain forest vegetation along the stream and from the cave opening to the stream. Please see Best Management Practices for Construction and Development Projects Gray bat (mo.gov).

Karst: This county has known karst geologic features (e.g., caves, springs, and sinkholes, all characterized by subterranean water movement). Few karst features are recorded in Natural Heritage records, and ones not noted here may be encountered at the project site or affected by the project. Cave fauna (many of which are Species of Conservation Concern) are influenced by changes to water quality; please check your project site for any karst features and make every effort to protect groundwater in the project area. Additional information and specific recommendations are available at Management Recommendations for Construction and Development Projects Affecting Missouri Karst Habitat (mo.gov).

Invasive exotic species are a significant issue for fish, wildlife and agriculture in Missouri. Seeds, eggs, and larvae may be moved to new sites on boats or construction equipment. Please inspect and clean equipment thoroughly before moving between project sites. See Managing Invasive Species in Your Community | Missouri Department of Conservation (mo.gov) for more information.

- Remove any mud, soil, trash, plants or animals from equipment before leaving any water body or work area.
- Drain water from boats and machinery that have operated in water, checking motor cavities, live-well, bilge and transom wells, tracks, buckets, and any other water reservoirs.
- When possible, wash and rinse equipment thoroughly with hard spray or HOT water (>140° F, typically available at do-it-yourself car wash sites), and dry in the hot sun before using again.

Streams and Wetlands – Clean Water Act Permits: Streams and wetlands in the project area should be protected from activities that degrade habitat conditions. For example, soil erosion, water pollution, placement of fill, dredging, in-stream activities, and riparian corridor removal, can modify or diminish aquatic habitats. Streams and wetlands may be protected under the Clean Water Act and require a permit for any activities that result in fill or other modifications to the site. Conditions provided within the U.S. Army Corps of Engineers (USACE) Clean Water Act Section 404 permit (Kansas City District Regulatory Branch (army.mil)) and the Missouri Department of Natural Resources (DNR) issued Clean Water Act Section 401 Water Quality Certification (Section 401 Water Quality Certification | Missouri Department of Natural Resources (mo.gov)), if required, should help minimize impacts to the aquatic organisms and aquatic habitat within the area. Depending on your project type, additional permits may be required by the Missouri Department of Natural Resources, such as permits for stormwater, wastewater treatment facilities, and confined animal feeding operations. Visit Wastewater Permits | Missouri Department of Natural Resources (mo.gov) for more information on DNR permits. Visit both the USACE and DNR for more information on Clean Water Act permitting.

For further coordination with the Missouri Department of Conservation and the U.S. Fish and Wildlife Services, please see the contact information below:

Email (preferred): NaturalHeritageReview@mdc.mo.gov
MDC Natural Heritage Review
Science Branch
P.O. Box 180
Jefferson City, MO
65102-0180
Phone: 573-522-4115 ext. 3182

U.S. Fish and Wildlife Service
Ecological Service
101 Park Deville Drive
Suite A
Columbia, MO
65203-0007
Phone: 573-234-2132

Miscellaneous Information

FEDERAL Concerns are species/habitats protected under the Federal Endangered Species Act and that have been known near enough to the project site to warrant consideration. For these, project managers must contact the U.S. Fish and Wildlife Service Ecological Services (101 Park Deville Drive Suite A, Columbia, Missouri 65203-0007; Phone 573-234-2132; Fax 573-234-2181) for consultation.

STATE Concerns are species/habitats known to exist near enough to the project site to warrant concern and that are protected under the Wildlife Code of Missouri (RSMo 3 CSR 1 0). "State Endangered Status" is determined by the Missouri Conservation Commission under constitutional authority, with requirements expressed in the Missouri Wildlife Code, rule 3CSR 1 0-4.111. Species tracked by the Natural Heritage Program have a "State Rank" which is a numeric rank of relative rarity. Species tracked by this program and all native Missouri wildlife are protected under rule 3CSR 10-4.110 General Provisions of the Wildlife Code.

See Missouri Species and Communities of Conservation Concern Checklist (mo.gov) for a complete list of species and communities of conservation concern. Detailed information about the animals and some plants mentioned may be accessed at Mofwis Search Results. Please contact the Missouri Department of Conservation to request printed copies of any materials linked in this document.

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Missouri Ecological Services Field Office
101 Park Deville Drive
Suite A
Columbia, MO 65203-0057
Phone: (573) 234-2132 Fax: (573) 234-2181

In Reply Refer To: January 31, 2024
Project Code: 2024-0043014
Project Name: STP-4901650 - Mullanphy Road Resurfacing

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

Threatened and Endangered Species

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and may be affected by your proposed project. The species list fulfills the requirement for obtaining a Technical Assistance Letter from the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).
New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. **Note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days.** The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

Consultation Technical Assistance

Refer to the Midwest Region S7 Technical Assistance website for step-by-step instructions for making species determinations and for specific guidance on the following types of projects:

projects in developed areas, HUD, pipelines, buried utilities, telecommunications, and requests for a Conditional Letter of Map Revision (CLOMR) from FEMA.

Federally Listed Bat Species

Indiana bats, gray bats, and northern long-eared bats occur throughout Missouri and the information below may help in determining if your project may affect these species.

Gray bats - Gray bats roost in caves or mines year-round and use water features and forested riparian corridors for foraging and travel. If your project will impact caves, mines, associated riparian areas, or will involve tree removal around these features – particularly within stream corridors, riparian areas, or associated upland woodlots –gray bats could be affected.
Indiana and northern long-eared bats - These species hibernate in caves or mines only during the winter. In Missouri the hibernation season is considered to be November 1 to March 31. During the active season in Missouri (April 1 to October 31) they roost in forest and woodland habitats. Suitable summer habitat for Indiana bats and northern long-eared bats consists of a wide variety of forested/wooded habitats where they roost, forage, and travel and may also include some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields and pastures. This includes forests and woodlots containing potential roosts (i.e., live trees and/or snags ≥5 inches diameter at breast height (dbh) for Indiana bat, and ≥3 inches dbh for northern long-eared bat, that have exfoliating bark, cracks, crevices, and/or hollows), as well as linear features such as fencerows, riparian forests, and other wooded corridors. These wooded areas may be dense or loose aggregates of trees with variable amounts of canopy closure. Tree species often include, but are not limited to, shellbark or shagbark hickory, white oak, cottonwood, and maple. Individual trees may be considered suitable habitat when they exhibit the characteristics of a potential roost tree and are located within 1,000 feet (305 meters) of other forested/wooded habitat. Northern long-eared bats have also been observed roosting in human-made structures, such as buildings, barns, bridges, and bat houses; therefore, these structures should also be considered potential summer habitat and evaluated for use by bats. If your project will impact caves or mines or will involve clearing forest or woodland habitat containing suitable roosting habitat, Indiana bats or northern long-eared bats could be affected.
Examples of unsuitable habitat include:

- Individual trees that are greater than 1,000 feet from forested or wooded areas;
- Trees found in highly-developed urban areas (e.g., street trees, downtown areas);
- A pure stand of less than 3-inch dbh trees that are not mixed with larger trees; and
- A stand of eastern red cedar shrubby vegetation with no potential roost trees.

Using the IPaC Official Species List to Make No Effect and May Affect Determinations for Listed Species

1. If IPaC returns a result of “There are no listed species found within the vicinity of the project,” then project proponents can conclude the proposed activities will have **no effect** on any federally listed species under Service jurisdiction. Concurrence from the Service is not required for **No Effect** determinations. No further consultation or coordination is required. Attach this letter to the dated IPaC species list report for your records. An example "No Effect" document also can be found on the S7 Technical Assistance website.

2. If IPaC returns one or more federally listed, proposed, or candidate species as potentially present in the action area of the proposed project – other than bats (see #3 below) – then project proponents can conclude the proposed activities **may affect** those species. For assistance in determining if suitable habitat for listed, candidate, or proposed species occurs within your project area or if species may be affected by project activities, you can obtain Life History Information for Listed and Candidate Species through the Species website.
3. If IPac returns a result that one or more federally listed bat species (Indiana bat, northern long-eared bat, or gray bat) are potentially present in the action area of the proposed project, project proponents can conclude the proposed activities **may affect** these bat species **IF** one or more of the following activities are proposed:
    a. Clearing or disturbing suitable roosting habitat, as defined above, at any time of year;
    b. Any activity in or near the entrance to a cave or mine;
    c. Mining, deep excavation, or underground work within 0.25 miles of a cave or mine;
    d. Construction of one or more wind turbines; or
    e. Demolition or reconstruction of human-made structures that are known to be used by bats based on observations of roosting bats, bats emerging at dusk, or guano deposits or stains.

If none of the above activities are proposed, project proponents can conclude the proposed activities will have **no effect** on listed bat species. Concurrence from the Service is not required for **No Effect** determinations. No further consultation or coordination is required. Attach this letter to the dated IPaC species list report for your records. An example "No Effect" document also can be found on the S7 Technical Assistance website.
If any of the above activities are proposed in areas where one or more bat species may be present, project proponents can conclude the proposed activities **may affect** one or more bat species. We recommend coordinating with the Service as early as possible during project planning. If your project will involve removal of over 5 acres of suitable forest or woodland habitat, we recommend you complete a Summer Habitat Assessment prior to contacting our office to expedite the consultation process. The Summer Habitat Assessment Form is available in Appendix A of the most recent version of the Range-wide Indiana Bat Summer Survey Guidelines.

Other Trust Resources and Activities

Bald and Golden Eagles - Although the bald eagle has been removed from the endangered species list, this species and the golden eagle are protected by the Bald and Golden Eagle Act and the Migratory Bird Treaty Act. Should bald or golden eagles occur within or near the project area please contact our office for further coordination. For communication and wind energy projects, please refer to additional guidelines below.

Migratory Birds - The Migratory Bird Treaty Act (MBTA) prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when specifically authorized by the Service. The Service has the responsibility under the MBTA

to proactively prevent the mortality of migratory birds whenever possible and we encourage implementation of recommendations that minimize potential impacts to migratory birds. Such measures include clearing forested habitat outside the nesting season (generally March 1 to August 31) or conducting nest surveys prior to clearing to avoid injury to eggs or nestlings.

Communication Towers - Construction of new communications towers (including radio, television, cellular, and microwave) creates a potentially significant impact on migratory birds, especially some 350 species of night-migrating birds. However, the Service has developed voluntary guidelines for minimizing impacts.

Transmission Lines - Migratory birds, especially large species with long wingspans, heavy bodies, and poor maneuverability can also collide with power lines. In addition, mortality can occur when birds, particularly hawks, eagles, kites, falcons, and owls, attempt to perch on uninsulated or unguarded power poles. To minimize these risks, please refer to guidelines developed by the Avian Power Line Interaction Committee and the Service. Implementation of these measures is especially important along sections of lines adjacent to wetlands or other areas that support large numbers of raptors and migratory birds.

Wind Energy - To minimize impacts to migratory birds and bats, wind energy projects should follow the Service's Wind Energy Guidelines. In addition, please refer to the Service's Eagle Conservation Plan Guidance, which provides guidance for conserving bald and golden eagles in the course of siting, constructing, and operating wind energy facilities.

Next Steps

Should you determine that project activities **may affect** any federally listed species or trust resources described herein, please contact our office for further coordination. Letters with requests for consultation or correspondence about your project should include the Consultation Tracking Number in the header. Electronic submission is preferred.

If you have not already done so, please contact the Missouri Department of Conservation (Policy Coordination, P. O. Box 180, Jefferson City, MO 65102) for information concerning Missouri Natural Communities and Species of Conservation Concern.
We appreciate your concern for threatened and endangered species. Please feel free to contact our office with questions or for additional information.

John Weber

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether

any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Missouri Ecological Services Field Office
101 Park Deville Drive
Suite A
Columbia, MO 65203-0057
(573) 234-2132

PROJECT SUMMARY

Project Code: 2024-0043014
Project Name: STP-4901650 - Mullanphy Road Resurfacing
Project Type: Road/Hwy - Maintenance/Modification
Project Description: Mullanphy Road is a two lane roadway with parking on one side through residential areas. The subject project extends from Shackelford Road to Patterson Road. Sidewalks exist only on the north side of the road for the majority of the project length. A sidewalk exists south side also between Loveland Drive and Shackelford Road. The sidewalk on the south side will be extended from Loveland Drive to Patterson Road to provide a sidewalk connection to the parks and trail adjacent to the intersection of Mullanphy Road and Patterson Road.

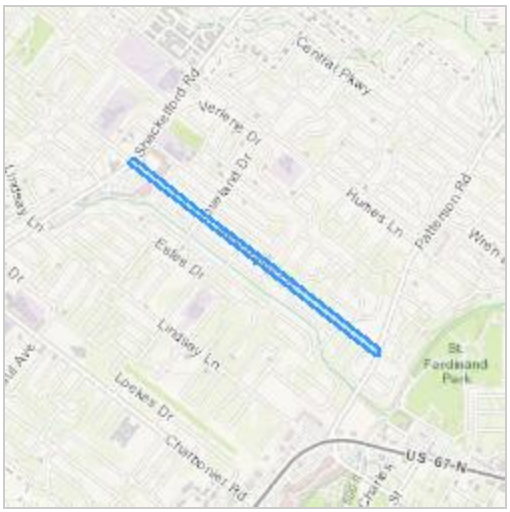
Mullanphy Road is a transit route with bus stops along the roadway on both sides. The Sunset Greenway, which runs adjacent to Humes Lane, parallels Mullanphy a few blocks to the north and performs as the primary bicycle route for east-west bicycle travel in the area.

Recent Missouri American Water project open cut Mullanphy for the full length of the project adjacent to the north curb line. Excavated pavement areas have been recently restored. Settlement of trenched and restored areas may occur over time making the need for resurfacing even more necessary by the time construction begins on the project.

The scope of the improvements includes resurfacing the roadway, replacement of damaged or deteriorated curb and sidewalk, construction of accessible curb ramps, and new sidewalk to improve pedestrian safety and mobility.

Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@38.810001549999996,-90.33997536441575,14z



Counties: St. Louis County, Missouri

ENDANGERED SPECIES ACT SPECIES

There is a total of 6 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

---

1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Gray Bat *Myotis grisescens* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6329	Endangered
Indiana Bat *Myotis sodalis* There is **final** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5949 General project design guidelines: https://ipac.ecosphere.fws.gov/project/YZHAUL3TVREOTG2RRPFAAZS3UQ/documents/generated/6868.pdf	Endangered
Northern Long-eared Bat *Myotis septentrionalis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045 General project design guidelines: https://ipac.ecosphere.fws.gov/project/YZHAUL3TVREOTG2RRPFAAZS3UQ/documents/generated/6868.pdf	Endangered
Tricolored Bat *Perimyotis subflavus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

INSECTS

NAME	STATUS
Monarch Butterfly *Danaus plexippus*	Candidate

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/9743

FLOWERING PLANTS

NAME	STATUS
Decurrent False Aster *Boltonia decurrens*	Threatened

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/7705

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Andrea Davis
Address: 520 Maryville Centre Drive, Suite 100
City: Saint Louis
State: MO
Zip: 63141
Email andrea.davis@hrgreen.com
Phone: 6368124203

Davis, Andrea

From: Natural Heritage Review <NaturalHeritageReview@mdc.mo.gov>
Sent: Friday, February 23, 2024 2:24 PM
To: Davis, Andrea; Natural Heritage Review
Subject: RE: Level 3 Report Follow Up - #13976 Mullanphy Road Resurfacing

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Hello,

At this time, we have no additional recommendations regarding your Mullanphy Road Resurfacing project. Please refer to your automated report for ways to minimize impacts to Missouri's sensitive natural resources. Please let me know if you have any questions.

Thank you for using the Natural Heritage Review Program,

Shelly Colatskie
Environmental Review Coordinator
Missouri Department of Conservation
St. Louis Regional Office
573-522-4115 ext. 3182
Shelly.Colatskie@mdc.mo.gov

From: Davis, Andrea <andrea.davis@hrgreen.com>
Sent: Wednesday, January 31, 2024 8:12 AM
To: Natural Heritage Review <NaturalHeritageReview@mdc.mo.gov>
Subject: Level 3 Report Follow Up - #13976 Mullanphy Road Resurfacing

Hello,

I am contacting the Missouri Department of Conservation to request a follow-up report for the Mullanphy Road Resurfacing Project, reference ID #13976. The Natural Heritage Review Report for the project is attached.

Please let me know if you require any additional information. Thank you!

Andi Davis, PE
Project Engineer - Transportation
HR Green® | Building Communities. Improving Lives.

HRGreen.
CELEBRATING 110 YEARS

520 Maryville Centre Drive | Suite 100 | St. Louis, MO 63141
Main 636.519.0990 | **Fax** 713.965.0044 | **Direct** 636.812.4203 | **Cell** 314.780.1119

HRGREEN.COM

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Davis, Andrea

From: Mark Sowers <Mark.Sowers@modot.mo.gov>
Sent: Thursday, April 16, 2026 3:46 PM
To: Davis, Andrea
Subject: RE: STP-4901650 - Tree Clearing Restriction

Categories: Filed by Newforma

This email came from outside the HR Green organization. Please use caution when clicking on hyperlinks and opening attachments

Hi Andi,

I checked and confirmed that the project is within the No Effect zone and no tree clearing restrictions are required for the project. Let me know if you need any documentation from me aside from this email. I will attach it and a brief update to the RER.

Thanks!

Mark Sowers
Environmental Contractor
913.485.7822
MoDOT-Design
601 West Main Street, PO Box 270
Jefferson City, MO

From: Davis, Andrea <andrea.davis@hrgreen.com>
Sent: Thursday, April 16, 2026 11:04 AM
To: Mark Sowers <Mark.Sowers@modot.mo.gov>
Subject: STP-4901650 - Tree Clearing Restriction

Hi Mark,

I am reaching out regarding the tree clearing restriction on STP-4901(650) – Mullanphy Road located in Florissant, MO. We currently have one tree designated to be removed. In the RER, it is listed that the tree is likely to have No Effect on bat habitat, but we did still agree to tree clearing restrictions. With the updated St. Louis area “no effect zone,” I am wondering if the tree clearing restriction is still required for this project. We are likely going to begin construction in late Summer now.

Thanks!

Andi Davis, PE
Project Manager - Transportation
HR Green® | Building Communities. Improving Lives.

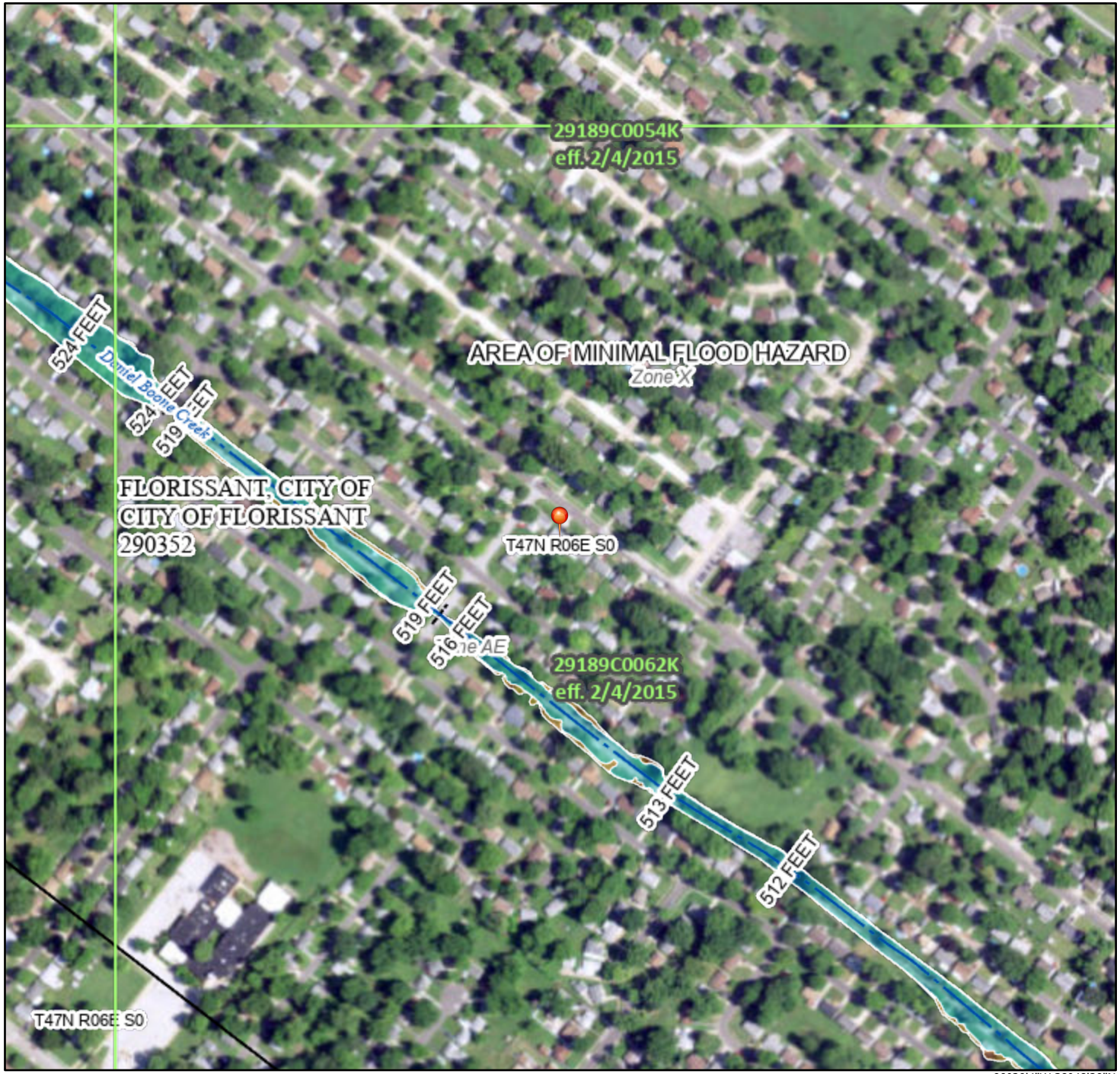
520 Maryville Centre Drive | Suite 100 | St. Louis, MO 63141
Main 636.519.0990 | **Fax** 713.965.0044 | **Direct** 636.812.4203 | **Cell** 314.780.1119
HRGREEN.COM

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National Flood Hazard Layer FIRMette

FEMA

90°20'41"W 38°48'48"N



90°20'4"W 38°48'20"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/30/2024 at 6:18 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

U.S. Fish and Wildlife Service

National Wetlands Inventory

NWI 4901650



January 31, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

APPROVAL DATE: 04/24/2026
MSD Reference No.: 24MSD-00286

HR Green, Inc.
Andi Davis
520 Maryville Centre Drive, Suite 100
St. Louis, MO 63141

PROJECT NAME: Mullanphy Road Resurfacing

Site Address:

Plans for the above referenced project have been approved. Please log into https://aca-prod.accela.com/STLMSD/Default.aspx to view / download approved plans.

Permits are not ready for pickup upon receipt of this letter. Please have the licensed and bonded drainlayer call to ensure permits have been generated and are ready for pickup before obtaining online or in person.

Permits will be required as follows:

1 Build Structure Permit(s)

23 Modify Structure Permit(s)

Prior to the issuance of the required permit(s) the following deposits must be paid and documents executed by the Project Developer:

As-Built Deposit in the amount of $0.00.
Construction Deposit in the amount of $0.00, and Construction Deposit Agreement.
Lift Station Deposit in the amount of $0.00.
BMP Deposit in the amount of $0.00, and BMP Construction Deposit Agreement.
Conditional Deposit in the amount of $0.00.

Please refer to Chapter 8 of the District's "Rules and Regulation and Engineering Design Requirements for Sanitary Sewage and Stormwater Drainage Facilities" for an explanation of these requirements. Questions regarding the deposits or agreement should be directed to Construction Management at 314-335-2072.

Construction Permitting General Information

1. Please log into https://aca-prod.accela.com/STLMSD/Default.aspx to view / download / obtain permits (if any).
2. Permits will only be issued to and paid for by a licensed and bonded drainlayers for all work related to sewer construction.
3. The Construction permit fee is $195.00 and must be paid at the time of the issuance of permits. The Construction Inspection fee is $5.80 per lineal foot of sanitary/combined sewer and $4.20 per lineal foot of storm sewer.
4. The House Connection Permit and Misc. MSD Inspection fees are $75.00 for each connection or point of inspection.
5. All fees must be paid prior to issuance of the permits. Please refer to Chapter 10 of the District's "Rules and Regulations and Engineering Design Requirements for Sanitary Sewage and Stormwater Drainage Facilities" for additional information regarding the Construction Permits.
6. Questions regarding Permits should be directed to the Permit Section at 314-768-6272.
7. The approved plans will remain active for one year. If permits have not been applied for within the year a new set of plans will have to be submitted for approval.

NOTE:

1. THIS APPROVAL IS SUBJECT TO STATE HIGHWAY REGULATIONS AND U.S. ARMY CORPS OF ENGINEERS REQUIREMENTS WHERE APPLICABLE.
2. If MSD Permits are required, no occupancy permits are to be issued until MSD grants construction approval on this work.

John C. Grimm, P.E.
Program Manager - Development Review

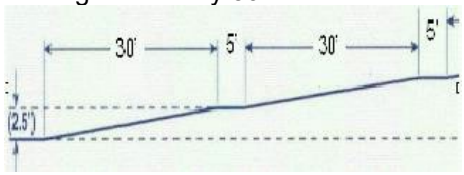
CC: MSD Environmental Compliance

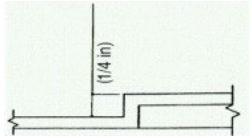
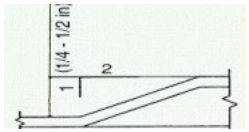
ADA CHECKLIST

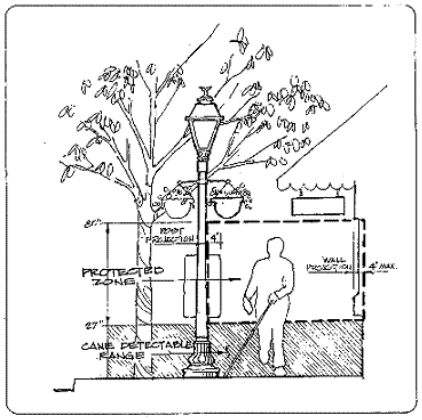
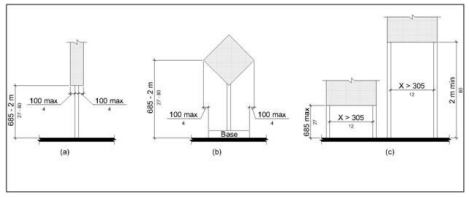
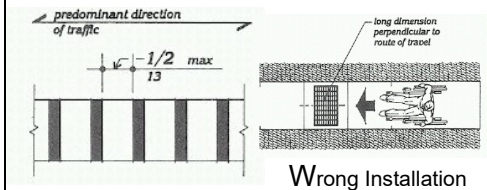
Revised July 8, 2024

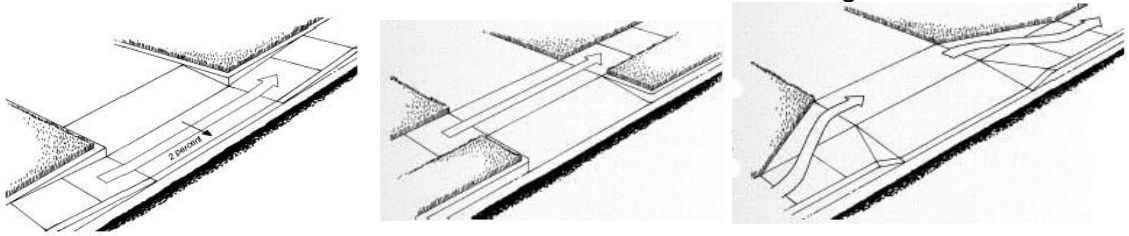
Job No._____ **Route**_____ **County**_____ **Location** _____

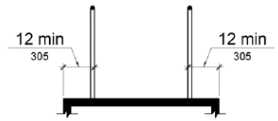
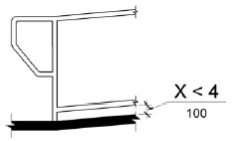
Pedestrian Access Route (PROWAG R204)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
Sidewalk Width 	• The minimum continuous and unobstructed clear width of a pedestrian access route shall be 4.0 feet, exclusive of the width of the curb. • The continuous clear width of pedestrian access routes for medians and pedestrian refuge islands must be 5 feet minimum in order to allow for passing space. • MoDOT Sidewalks shall be 5 feet wide minimum. [2] • MoDOT Sidewalks located within 2 feet of the back of curb are to be constructed 6 feet wide minimum and constructed adjacent to the back of the curb. [2] • Exception: an unaltered, existing sidewalk shall be 3 feet wide minimum and shall provide 5 foot x 5 foot passing spaces at intervals of 200 feet maximum. [2] • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. Where commercial driveways are provided with traffic control devices or otherwise are permitted to operate like public streets, detectable warnings should be provided at the junction between the pedestrian route and the street. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush.			
Passing Spaces	• Walkways in pedestrian access routes that are less than 5 feet in clear width shall provide passing spaces at intervals of 200 feet maximum. • Pedestrian access routes at passing spaces shall be 5 feet wide for a distance of 5 feet.			
Sidewalk Running Slope The grade that is parallel to the direction of travel, expressed as a ratio of rise to run or as a percent.	• The running slope of a pedestrian access route shall be 5 percent maximum. **<u>Roadway Grade Exception</u>**: Where pedestrian access routes are contained within a street or highway right-of-way, the grade of the pedestrian access route is permitted to equal the general grade established for the adjacent street or highway. • Running Slopes shall be measured using a calibrated 2 foot long digital level.			

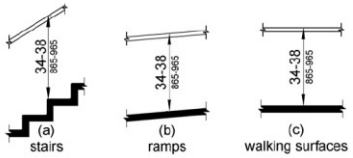
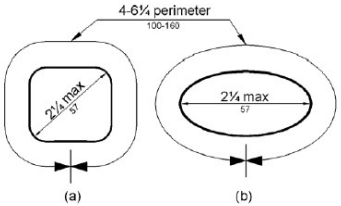
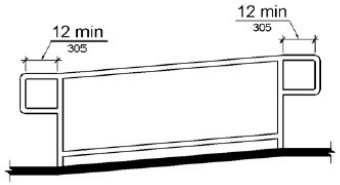
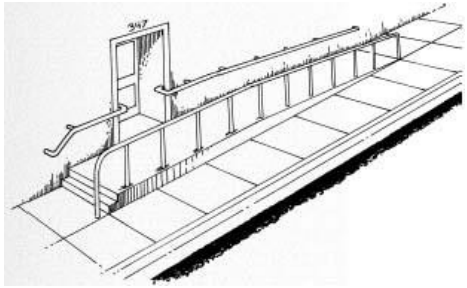
Figures/Examples	Requirements [1]	YES	NO	NA
Sidewalk Cross Slope The grade that is perpendicular to the direction of accessible pedestrian travel, measured perpendicular to the curb line or edge of the street or highway, or measured perpendicular to the running grade.	• The cross slope of the walkway of a pedestrian access route shall be 2 percent maximum. (Roadway Grade Exception may be considered) • 2010 ADA/ABA allows for cross slopes of up to ¼ inch per foot (2.08 percent). • In either case, a cross slope measurement of 2.1 percent or greater is not ADA compliant. • Cross Slopes shall be measured using a calibrated 2 foot long digital level.			
Sidewalk Ramps For example, a sidewalk ramp segment with the maximum allowed running slope of 8.33% would require a landing after every 30' of run.  	• A sidewalk segment (not contained within a street or highway border) with a running grade in excess of 5 percent but less than 8.33 percent is by definition a sidewalk ramp. • Sidewalk Ramps shall have landings at the top and the bottom of each ramp run. - The landing clear width shall be at least as wide as the widest ramp run leading to the landing. - The landing clear length shall be 5.0 feet long minimum. - Sidewalk Ramps that change direction between runs at landings shall have a clear landing 5.0 feet minimum by 5.0 feet minimum. - Landing slopes shall be 2 percent maximum. - Changes in level at grade breaks shall be flush. • Cross slope of ramp runs shall be 2 percent maximum. • The rise for any ramp run shall be 30 inches maximum. • Sidewalk Ramp runs with a rise greater than 6 inches shall have handrails. • Handrails shall be provided on both sides of stairs and sidewalk ramps. • Edge protection shall be provided on each side of sidewalk ramp runs. • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. • Gratings, access covers, and other appurtenances shall not be located on ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush.			

Figures/Examples	Requirements [1]	YES	NO	NA
Vertical Alignment	• Vertical alignment shall be planar within curb ramp runs, blended transitions, landings, and gutter areas within the pedestrian access route, and within clear spaces required for accessible pedestrian signals, street furniture, and operable parts. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. • Grade breaks shall be flush. • Running Slopes and Cross Slopes shall be measured using a calibrated 2 foot long digital level. • Where the pedestrian access route crosses rail tracks at grade, the surface of the pedestrian access route shall be level and flush with the top of the rail at the outer edges of the rail. The surface between the rails shall be aligned with the top of the rail.			
Changes in Level   	• Changes in level at grade breaks shall be flush. • Changes in level of ¼ inch high maximum shall be permitted to be vertical. • Changes in level between ¼ inch high maximum and ½ inch high maximum shall be beveled with a slope not steeper than 1v:2h. • The bevel shall be applied across the entire level change. • Changes in level greater than ½ inch high shall be ramp grade or flatter, a slope of 8.33 percent or less.			

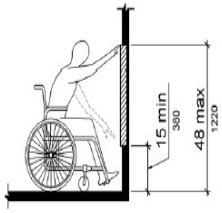
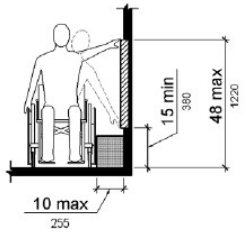
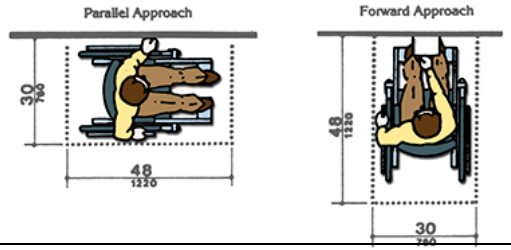
Figures/Examples	Requirements [1]	YES	NO	NA
 	• Protruding objects on sidewalks and other pedestrian circulation paths shall not reduce the clear width required for pedestrian accessible routes. • Objects with leading edges more than 27 inches and not more than 80 inches above the finish floor or ground shall protrude 4 inches maximum horizontally into the circulation path. • Free-standing objects mounted on posts or pylons shall overhang circulation paths 4 inches maximum measured horizontally from the post or pylon base when located 27 inches minimum and 80 inches maximum above the finish floor or ground. The base dimension shall be 2.5 inches thick minimum. (2011 PROWAG R402.3) • Where a sign or other obstruction is mounted between posts or pylons and the clear distance between the posts or pylons is greater than 12 inches, the lowest edge of such sign or obstruction shall be 27 inches maximum or 80 inches minimum above the finish floor or ground. • Vertical clearance shall be 80 inches high minimum. Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches high. The leading edge of such guardrail or barrier shall be located 27 inches maximum above the finish floor or ground. • Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches high. The leading edge of such guardrail or barrier shall be located 27 inches maximum above the finish surface or ground.			
   Wrong Installation	• Openings in floor and ground surfaces shall not allow passage of a sphere more than ½ inch diameter. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Lift holes for manhole/utility covers shall not have an opening greater than ½ inch. Plugging of holes greater than ½ inch with a material approved by the engineer is acceptable as long as it complies with the changes in level requirements.			

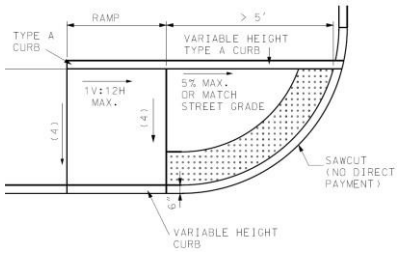
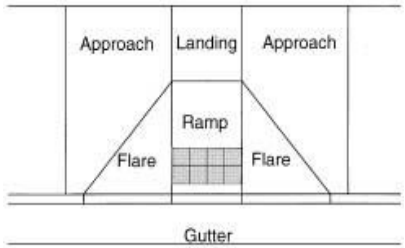
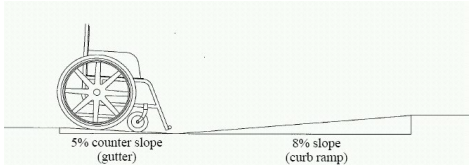
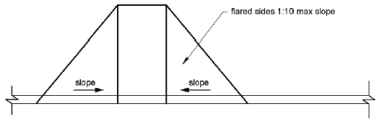
ENTRANCES (PROWAG R301)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
	• The minimum continuous and unobstructed clear width of a pedestrian access route provided across commercial and residential entrances shall be 4 feet minimum. • Cross slope shall be 2 percent maximum. • Be cautious with the transition from the driveway to the roadway to avoid grade combinations that will cause vehicles to bottom out when driving over the transition. [2] 			

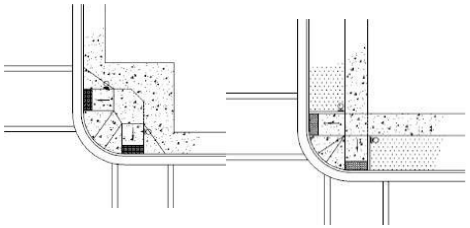
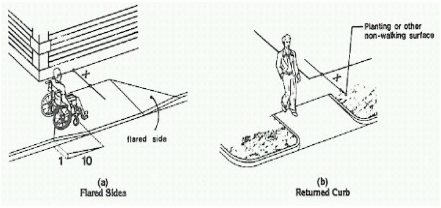
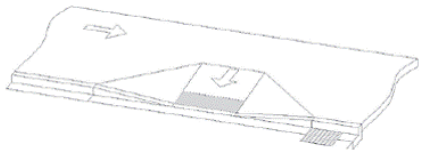
EDGE PROTECTION (PROWAG R406.8)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
 	• Edge protection shall be provided on each side of ramp runs and at each side of ramp landings. • A curb or barrier shall be provided that prevents the passage of a 4 inch diameter sphere, where any portion of the sphere is within 4 inches of the finish floor or ground surface. • Edge-protection shall not be required when the floor or ground surface of the ramp run or landing extends 12 inches minimum beyond the inside face of a handrail. • Edge protection shall not be required on curb ramps and their landings. • Edge protection shall not be required on ramps that are not required to have handrails and have flares not steeper than 1:10. • Edge protection shall not be required on the sides of ramp landings having a vertical drop-off of ½ inch maximum within 10 inches horizontally of the minimum landing area.			

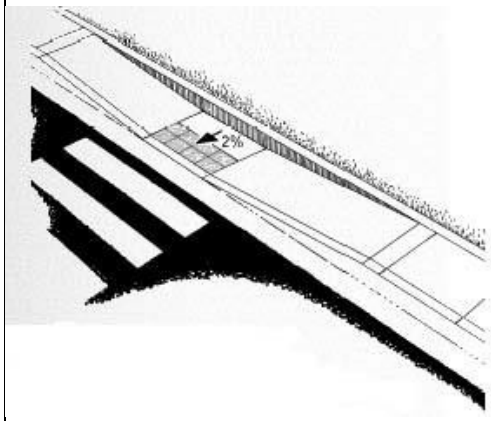
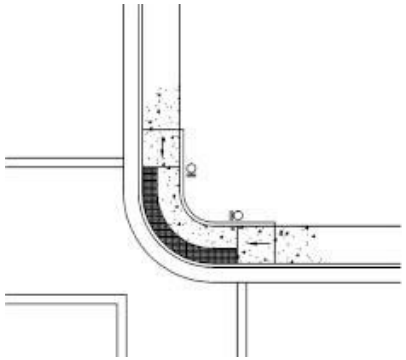
HANDRAIL AND PEDESTRIAN GUARDRAIL (PROWAG R408)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
   	• The clear width of walking surfaces shall be 4.0 feet minimum. • Handrails are required on ramp runs with a rise greater than 6 inches and on certain stairways. Handrails are not required on walking surfaces with running slopes less than 1:20. Where required, handrails shall be provided on both sides of stairs and ramps. • Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs. • Top of gripping surfaces of handrails shall be 34 inches minimum and 38 inches maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces. • Clearance between handrail gripping surfaces and adjacent surfaces shall be 1 1/2 inches minimum. • Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1 1/4 inches minimum and 2 inches maximum. • Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4 inches minimum and 6 1/4 inches maximum, and a cross-section dimension of 2 1/4 inches maximum. • Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges. • Handrails shall not rotate within their fittings. • Ramp handrails shall extend horizontally above the landing for 12 inches minimum beyond the top and bottom of ramp runs. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent ramp run. • At the top of a stair flight, handrails shall extend horizontally above the landing for 12 inches minimum beginning directly above the first riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight. • At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extension shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight. • See Edge Protection section above (also PROWAG 406.8) for additional details.			

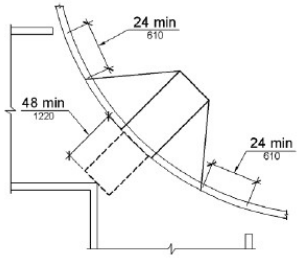
STAIRWAYS (PROWAG R407)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
	• All steps on a flight of stairs shall have uniform riser heights and uniform tread depths. Risers shall be 4 inches high minimum and 7 inches high maximum. Treads shall be 11 inches deep minimum. • Open risers are not permitted. • The radius of curvature at the leading edge of the tread shall be 1/2 inch maximum. Nosings that project beyond risers shall have the underside of the leading edge curved or beveled. Risers shall be permitted to slope under the tread at an angle of 30 degrees maximum from vertical. The permitted projection of the nosing shall extend 1 1/2 inches maximum over the tread below. • Stairs shall have handrails complying with PROWAG 2005 R408.			

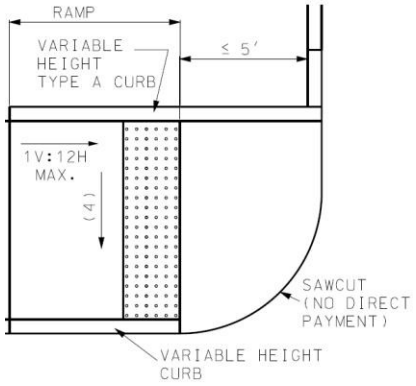
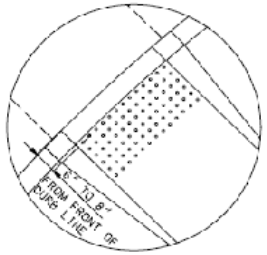
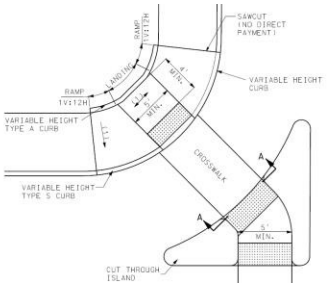
UNOBSTRUCTED REACH RANGES (PROWAG R406)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
 	Forward Reach • Where a forward reach is unobstructed, the high forward reach shall be 48 inches maximum and the low forward reach shall be 15 inches minimum above the finish floor or ground. Side Reach • Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches maximum and the low side reach shall be 15 inches minimum above the finish floor or ground. • EXCEPTION: An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10 inches maximum. (2011 PROWAG R406.3) 			

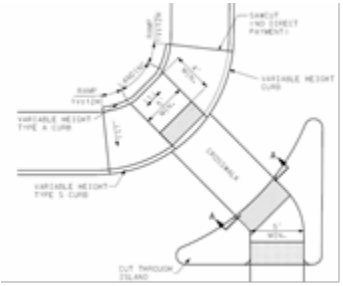
CURB RAMPS (PROWAG R304)				
Figures/Examples	**Requirements** [1]	**YES**	**NO**	**NA**
A curb ramp, blended transition, or a combination of curb ramps and blended transitions shall connect the pedestrian access routes at each pedestrian street crossing.     **15 Foot Rule:** For a compliant curb ramp to exceed 8.33 percent running grade, its constructed length must exceed 15.0 feet.	• The clear width of curb ramps, excluding the flares, shall be 4.0 feet minimum. • Curb Ramp runs shall have a running slope between 5 percent minimum and 8.33 percent maximum but shall not require the curb ramp length to exceed 15.0 feet. **Exception: 15 Foot Rule:** The running slope for a curb ramp is not limited to 8.33 percent maximum if the constructed curb ramp length exceeds 15 feet in length. • Cross slope of ramp runs shall be 2 percent maximum. (Roadway Grade Exception may be considered) • The cross slope at midblock crossings shall be permitted to be warped to meet street or highway grade. • Handrails and Edge protection shall not be required on curb ramps and their landings. • Curb height = 0 inches within curb ramp spaces. • Curb ramps must be flush with street. • The counter slope of the gutter or street at the foot of a curb ramp, landing, or blended transition shall be 5 percent maximum. (R303.3.5) • The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level. • Flared sides with a slope of 10 percent maximum, measured parallel to the curb line, shall be provided where a pedestrian circulation path crosses the curb ramp. - In alterations, where there is no landing at the top of curb ramps, curb ramp flares shall be provided and shall not be steeper than 1:12. • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush. • Grade Breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run.			

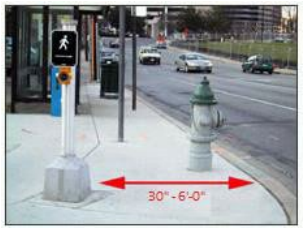
Figures/Examples	Requirements [1]	YES	NO	NA
 Perpendicular Ramps  X = 4'Min. Flared Sides in Pathway Flared Sides Not in Pathway **Roadway Grade Exception:** Where curb ramps, landings and blended transitions are contained within a street or highway right-of-way, the grade of the pedestrian access route is permitted to be modified to equal the general grade established for the adjacent street or highway. 	• **Perpendicular curb ramps** shall have a running slope that cuts through or is built up to the curb at right angles or meets the gutter grade break at right angles. • The clear width of landings, blended transitions, and curb ramps, excluding flares, shall be 4.0 feet minimum. • The running slope shall be 5 percent minimum and 8.33 percent maximum but shall not require the ramp length to exceed 15.0 feet. • The cross slope at intersections shall be 2 percent maximum. (Roadway Grade Exception may be considered) • The cross slope at midblock crossings shall be permitted to be warped to meet street or highway grade. **Roadway Grade Exception**: The grade of pedestrian access routes within sidewalks is permitted to equal the general grade established for the adjacent street or highway. The cross slope of curb ramps, blended transitions, landings, and turning spaces at pedestrian street crossings without yield or stop control where vehicles can proceed through the intersection without slowing or stopping, and at midblock pedestrian street crossings are permitted to equal the street or highway grade. • A landing 4.0 feet minimum by 4.0 feet minimum shall be provided at the top of the curb ramp and shall be permitted to overlap other landings and clear space. • Flared sides with a slope of 10 percent maximum, measured parallel to the curb line, shall be provided where a pedestrian circulation path crosses the curb ramp. • If the flared sides are not in the pathway (grass next to ramp), then there is no maximum slope and can be vertical curbs. (See adjacent figure for further explanation.) • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks at the top and bottom of perpendicular curb ramps shall be perpendicular to the direction of ramp run. At least one end of the bottom grade break shall be at the back of curb. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush. • Where both ends of the bottom grade break are 5.0 feet or less from the back of curb, the detectable warning shall be located on the ramp surface at the bottom grade break. Where either end of the bottom grade break is more than 5.0 feet from the back of curb, the detectable warning shall be located on the lower landing.			

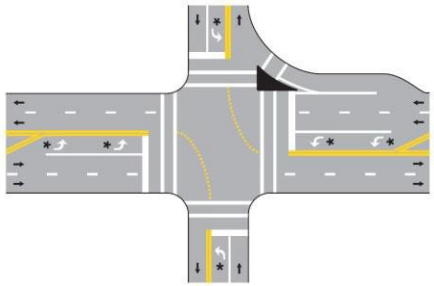
Figures/Examples	Requirements [1]	YES	NO	NA
 Curb Ramps and landings that are contained within a street or highway border may use the Roadway Grade Exception for slopes or cross slopes in the direction of the roadway travel being matched.	• **Parallel curb ramps** shall have a running slope that is in-line with the direction of sidewalk travel. • The clear width of landings, blended transitions, and curb ramps, excluding flares, shall be 4.0 feet minimum. • The running slope shall be 5 percent minimum and 8.33 percent maximum but shall not require the ramp length to exceed 15.0 feet. • The cross slope shall be 2 percent maximum. (Roadway Grade Exception may be considered) **Roadway Grade Exception**: The grade of pedestrian access routes within sidewalks is permitted to equal the general grade established for the adjacent street or highway. The cross slope of curb ramps, blended transitions, landings, and turning spaces at pedestrian street crossings without yield or stop control where vehicles can proceed through the intersection without slowing or stopping, and at midblock pedestrian street crossings are permitted to equal the street or highway grade. • A landing 4.0 feet minimum by 4.0 feet minimum shall be provided at the bottom of the ramp run and shall be permitted to overlap other landings and clear floor or ground space. • Where a parallel curb ramp does not occupy the entire width of a sidewalk, drop-offs at diverging segments shall be protected. • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush.			
	• **Blended Transitions** shall have a running slope of 5 percent maximum and cross slope shall be 2 percent maximum. • The clear width blended transitions, excluding flares, shall be 4.0 feet minimum. • Detectable warning surfaces shall be provided where a blended transition connects to a street. • Gratings, access covers, and other appurtenances shall not be located on blended transitions within the pedestrian access route. • Grade breaks at the top and bottom of perpendicular curb ramps shall be perpendicular to the direction of ramp run. At least one end of the bottom grade break shall be at the back of curb. Grade breaks shall not be permitted on the surface of blended transitions and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush.			

Figures/Examples	Requirements [1]	YES	NO	NA
 	• **Diagonal Curb Ramps or corner type curb ramps are no longer preferred design types. A design that provides individual ramps for each crossing direction is recommended by the US Access Board.** • Diagonal Curb Ramps or corner type curb ramps with returned curbs or other well-defined edges shall have the edges parallel to the direction of pedestrian flow. • The bottom of diagonal curb ramps shall have a clear space 48 inches minimum outside active traffic lanes of the roadway. • Diagonal curb ramps provided at marked crossings shall provide the 48 inches minimum clear space within the markings. • Diagonal curb ramps with flared sides shall have a segment of curb 24 inches long minimum located on each side of the curb ramp and within the marked crossing. **Roadway Grade Exception**: The grade of pedestrian access routes within sidewalks is permitted to equal the general grade established for the adjacent street or highway. The cross slope of curb ramps, blended transitions, landings, and turning spaces at pedestrian street crossings without yield or stop control where vehicles can proceed through the intersection without slowing or stopping, and at midblock pedestrian street crossings are permitted to equal the street or highway grade. • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush. • Running and cross slope at midblock crossings shall be permitted to be warped to meet street or highway grade.			

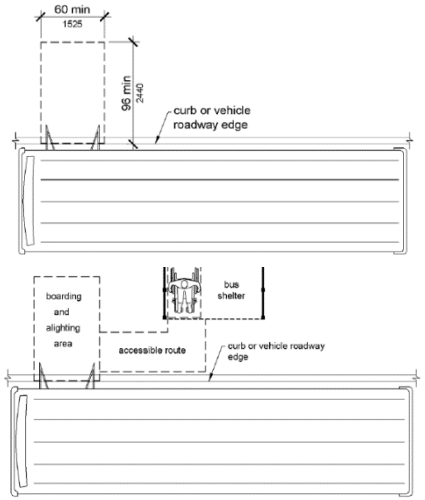
DETECTABLE WARNINGS DEVICES (TRUNCATED DOMES) (PROWAG R304)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
A surface feature of truncated dome material built in or applied to the walking surface to advise of an upcoming change from pedestrian to vehicular way.    	• Detectable warnings shall consist of a surface of truncated domes aligned in a square or radial grid pattern complying with 2010 ADA Standards. Detectable warning surfaces shall contrast visually with adjacent gutter, street or highway, or walkway surfaces, either light-on-dark or dark-on-light. • Detectable warning surfaces shall extend 24 inches minimum in the direction of travel and the full width of the curb ramp (exclusive of flares), the landing, or the blended transition. Detectable warning surfaces are required where curb ramps, blended transitions, or landings provide a flush pedestrian connection to the street. • Sidewalk crossings of residential driveways should not generally be provided with detectable warnings, since the pedestrian right-of-way continues across most driveway aprons and overuse of detectable warning surfaces should be avoided in the interests of message clarity. However, where commercial driveways are provided with traffic control devices or otherwise are permitted to operate like public streets, detectable warnings should be provided at the junction between the pedestrian route and the street. • Perpendicular Curb Ramps: Where both ends of the bottom grade break are 5 feet or less from the back of curb, the detectable warning shall be located on the ramp surface at the bottom grade break. Where either end of the bottom grade break is more than 5 feet from the back of curb, the detectable warning shall be located on the lower landing. • Landings and Blended Transitions: The detectable warning shall be located on the landing or blended transition at the back of curb. • Rail Crossings: The detectable warning surface shall be located so that the edge nearest the rail crossing is 6 feet minimum and 15 feet maximum from the centerline of the nearest rail. The rows of truncated domes in a detectable warning surface shall be aligned to be parallel with the direction of wheelchair travel. • Detectable warnings at cut-through islands shall be located at the curb line in-line with the face of curb and shall be separated by a 2.0 foot minimum length of walkway without detectable warnings. Where the island has no curb, the detectable warning shall be located at the edge of roadway. • Exception, when detectable warnings are required by a manufacturer's installation specifications to be embedded into concrete with a surrounding edge, domes may be installed at less than the required full width. Under this exception, the detectable warning surface shall never be more than 2 inches from the edge of the curb ramp, the landing, or the blended transition. [2] • Detectable warnings shall not be stamped into concrete.			

ISLANDS AND MEDIANS (PROWAG R305.4)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
 	• Medians and pedestrian refuge islands in crosswalks shall contain a pedestrian access route, including passing space and connecting to each crosswalk. • Raised islands in crossings shall be cut through level with the street or have curb ramps and required landings at both sides. • All median island passage spaces shall provide a clear width of 5 feet minimum. [2] • Medians and pedestrian refuge islands shall be 6.0 feet minimum in length in the direction of pedestrian travel. **<u>Roadway Grade Exception</u>**: The grade of pedestrian access routes within sidewalks is permitted to equal the general grade established for the adjacent street or highway. The cross slope of curb ramps, blended transitions, landings, and turning spaces at pedestrian street crossings without yield or stop control where vehicles can proceed through the intersection without slowing or stopping, and at midblock pedestrian street crossings are permitted to equal the street or highway grade. • Each curb ramp shall have a level area 48 inches long minimum by 48 inches wide minimum at the top of the curb ramp in the part of the island intersected by the crossings. • The 48 inch minimum by 48 inch minimum areas and the accessible route shall be permitted to overlap. • Detectable warning surfaces shall be provided, where a curb ramp, landing, or blended transition connects to a street. Medians and pedestrian refuge islands shall have detectable warnings at curb ramps and blended transitions. • Detectable warnings at cut-through islands shall be located at the curb line in-line with the face of curb and shall be separated by a 2.0 foot minimum length of walkway without detectable warnings. Where the island has no curb, the detectable warning shall be located at the edge of roadway. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush.			

ACCESSIBLE PEDESTRIAN SIGNALS (PUSHBUTTONS) (PROWAG R306 and EPG 902.6.1 – EPG 902.6.15)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
    	• Each crosswalk with pedestrian signal indication shall have an accessible pedestrian signal which includes audible and vibrotactile indications of the WALK interval at new signalized intersections and shall be considered at existing intersections being altered or are needing maintenance applications. Where a pedestrian pushbutton is provided, it shall be integrated into the accessible pedestrian signal. • Accessible pedestrian signals shall be located so that the vibrotactile feature can be contacted from the level landing serving a curb ramp, if provided, or from a clear floor or ground space that is in line with the crosswalk line adjacent to the vehicle stop line. • Accessible pedestrian pushbuttons shall be located within a reach range complying with EPG 642. • A clear floor or ground space shall be provided at the pushbutton and shall connect to or overlap the pedestrian access route. **<u>Roadway Grade Exception</u>**: Clear spaces required at accessible pedestrian signals and pedestrian pushbuttons and at other accessible elements are permitted to have a running slope or cross slope consistent with the grade of the adjacent pedestrian access route. • Pedestrian signals shall comply with PROWAG 2005 R306 and EPG 902.6.1 through 902.6.15. - Pushbuttons are a minimum 2 inches across in one dimension, raised (not recessed), contrast visually with the housing or mounting, and have a maximum force of 3.5 pounds to activate operable parts. - The control face of the pushbuttons is installed parallel to the direction of the crosswalk it serves. - The location of pushbuttons for new construction are within a longitudinal distance of 5 feet maximum from the crosswalk line, and 30 inches minimum to 6 feet maximum from the curb line. - For audible pedestrian signal devices only, pushbuttons are a minimum 10 feet apart. - Pushbuttons are located at a height of approximately 42 inches, but no higher than 48 inches from the ground and within 10 inch reach from a level paved clear floor or ground space with minimum dimensions of 48 inches x 30 inches positioned for a parallel approach to the pushbutton. For a forward approach space (30 x 48 inches) the allowed reach range is 0 inches. - Where pushbuttons for the visually impaired are installed, tactile signs are to be provided that meet ADA requirements.			

PEDESTRIAN STREET CROSSINGS (PROWAG R305 and EPG 642)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
 	• Crosswalks shall contain a pedestrian access route that connects to departure and arrival walkways through any median or pedestrian refuge island. • Marked crosswalks shall be 6 feet wide minimum. • The grade of the pedestrian access route is permitted to equal the general grade established for the adjacent street or highway, except that where pedestrian access routes are contained within pedestrian street crossings a maximum grade of 5 percent is required. • A 5 percent maximum cross slope is specified for pedestrian access routes contained within pedestrian street crossings without yield or stop control. • Crossings with Stop Control: The cross slope shall be 2 percent maximum. • The cross slope at midblock crossings shall be permitted to be warped to meet street or highway grade. • The running slope shall be 5 percent maximum, measured parallel to the direction of pedestrian travel in the crosswalk. • Accessible pedestrian signals and pedestrian pushbuttons provided at pedestrian crossings with pedestrian signals (See EPG 642 for applicability) shall comply with EPG 902.6.8 through 902.6.15. Operable parts shall comply with EPG 902.6.9 – 902.6.15. • Crosswalk pavement marking is 6 inches wide white. • Stop bar is at minimum 4 feet from the crosswalk. • Curb ramps at marked crossings shall be wholly contained within the markings, excluding any flared sides. • Gratings, access covers, and other appurtenances shall not be located on curb ramps, landings, blended transitions, and gutters within the pedestrian access route. • Grade breaks shall not be permitted on the surface of curb ramps, blended transitions, landings, and gutter areas within the pedestrian access route. Surface slopes that meet at grade breaks shall be flush. • Beyond the curb face, a clear space of 4.0 feet minimum by 4.0 feet minimum shall be provided within the width of the crosswalk and wholly outside the parallel vehicle travel lane.			

ALTERNATE CIRCULATION PATH (PROWAG R302)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
	• Alternate circulation paths shall contain a pedestrian access route. • To the maximum extent feasible, the alternate circulation path shall be provided on the same side of the street as the disrupted route. • Where the alternate circulation path is exposed to adjacent construction, excavation drop-offs, traffic, or other hazards, it shall be protected with a pedestrian barricade or channelizing device complying with MUTCD 6F-58, 6F-63, and 6F-66. • Pedestrian barricades and channelizing devices shall be continuous, stable, and non-flexible and shall consist of a wall, fence, or enclosures specified in section 6F-58, 6F-63, and 6F-66 of the MUTCD (incorporated by reference; see PROWAG 2005 R104.2.4). • A detectable continuous bottom edge shall be provided 2 inches maximum above the ground or walkway surface. • Devices shall provide a continuous surface or upper rail at 3.0 feet minimum above the ground or walkway surface. • Support members shall not protrude into the alternate circulation path.			

BUS BOARDING AND ALIGHTING AREAS (PROWAG R410)				
Figures/Examples	**Requirements [1]**	**YES**	**NO**	**NA**
	• Bus stop boarding and alighting areas shall have a firm, stable surface. • Bus stop boarding and alighting areas shall provide a clear length of 8 feet minimum, measured perpendicular to the curb or vehicle roadway edge, and a clear width of 5 feet minimum, measured parallel to the vehicle roadway. • Bus stop boarding and alighting areas shall be connected to streets, sidewalks, or pedestrian paths by an accessible route. • Parallel to the roadway, the slope of the bus stop boarding and alighting area shall be the same as the roadway, to the maximum extent practicable. Perpendicular to the roadway, the slope of the bus stop boarding and alighting area shall not be steeper than2 percent. • Bus shelters shall provide a minimum 30 inch by 48 inch clear floor or ground space entirely within the shelter. • Bus shelters shall be connected by an accessible route to a boarding and alighting area.			

[1] Any “NO” answer means that location is ADA non-compliant and needs to be corrected before final acceptance of the work, except as follows. Although exceptions listed in the above requirements may not meet MoDOT current policy standards, work that does meet the minimum ADA standards will be accepted as ADA compliant. Where it is technically infeasible to correct deficiencies as part of the current work, those locations will be labeled as non-compliant and marked “NO”. These items will be added to the Transition Plan Inventory for correction at a later date. (Guidance is provided in ADA documents and in the EPG on what may be considered as technically infeasible.)

[2] A MoDOT requirement.

Unless otherwise noted, all notes on this form are direct ADA requirements as published in either the PROWAG dated November 23, 2005 or ADA/ABA Standards from 2010.

All exceptions and technically infeasible locations should be discussed with the project manager and/or area engineer prior to acceptance of the work. All exceptions and technically infeasible locations will need to be thoroughly documented by the engineer, and that documentation will be attached to this form and retained as part of the final acceptance records.

All slope and grade measurements for ADA compliance will be made using a calibrated 2 foot long digital level.

US Access Board PROWAG
R202.3.1 Prohibited Reduction in Required Access. An alteration shall not decrease or have the effect of decreasing the accessibility of a facility or an accessible connection to an adjacent building or site below the requirements for new construction in effect at the time of the alteration.

Inspector Name: _____ **Inspector Signature:** _____	**Date:**
Contractor Representative Name: _____ **Contractor Representative Signature:** _____	**Date:**
Resident Engineer or Area Engineer Name: _____ **Resident Engineer or Area Engineer Signature:**	**Date:**
Distribution: ❑ **Project Office** ❑ **District Permit Office**	

SAMPLE

ADA EXCEPTIONS DOCUMENTATION

Job No._____ **Route**_____ **County**_____ **Location**_____

Item	Location	Standard	As Built	Discussion
Sidewalk Width	Third Street Sta 3+00 to 7+00 RT	5' wide	Exist 3' wide	Required 5' x 5' Passing Space added at 5+00
Curb Ramp Grade	SE Quad of Main & First	8.33%	11.2%	As-built Curb Ramp is 16.0' long
Parallel Ramp Landing running grade	Sta 35+20 to 35+25 Rt Rte 14 (turning space)	2.00%	2.6%	Landing running grade matches existing roadway grade
Sidewalk Grade	Sta 23+45 to 23+52	5.0%	8.4%	Match existing floor at two exist doorways, Straight grade between fixed elevations

Inspector Name: _____ **Inspector Signature:** _____	**Date:**
Resident Engineer or Area Engineer Name: _____ **Resident Engineer or Area Engineer Signature:**	**Date:**
Distribution: ❑ **Project Office** ❑ **District Permit Office**	