DESIGN DESIGNATION

A.A.D.T. – 2018 = 107,115
A.A.D.T. – 2038 = 125,620
D.H.V. = 10%
T = 5.4%
V = 55 MPH
D = 52/48%

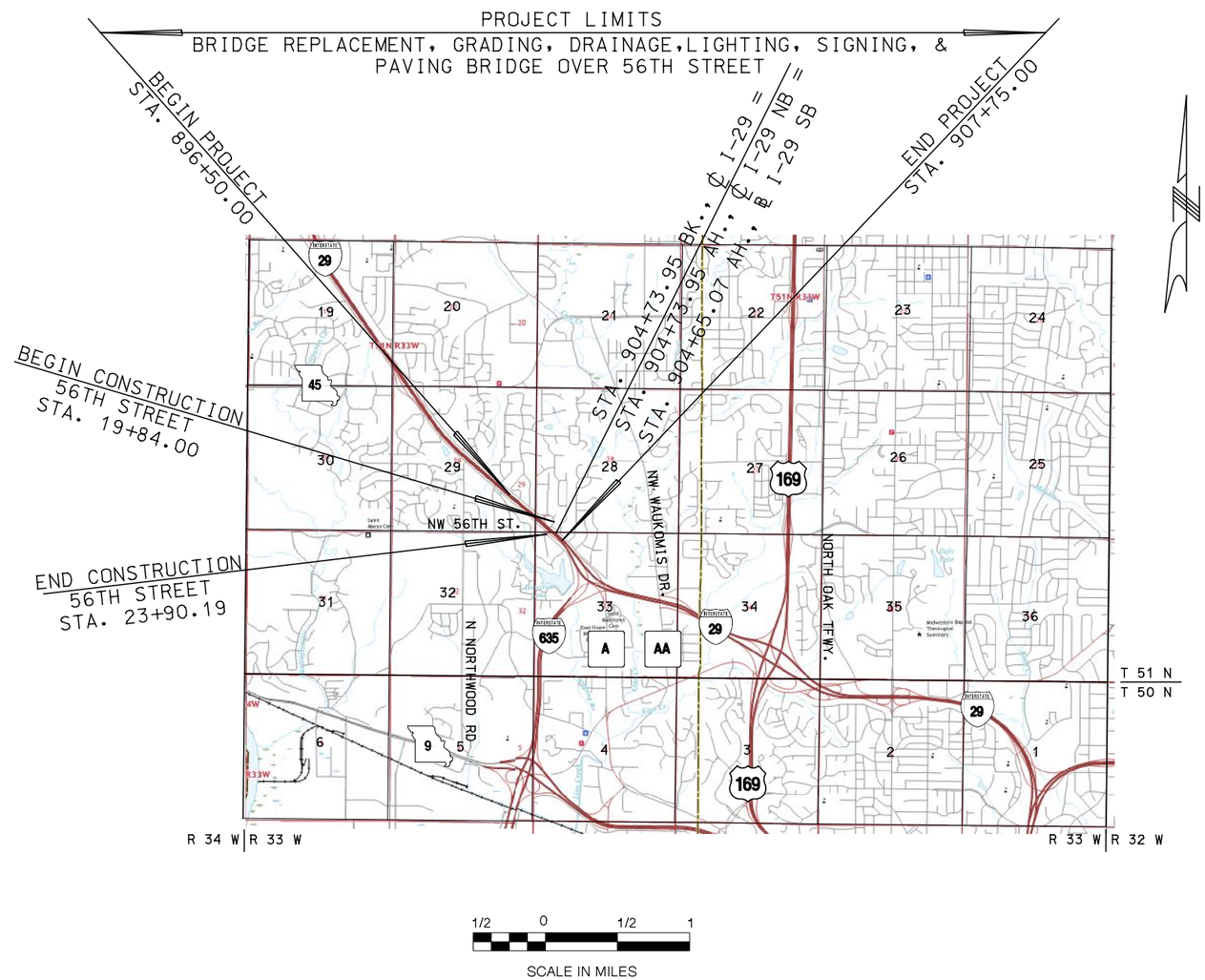
FUNCTIONAL CLASSIFICATION – INTERSTATE

NO
RIGHT OF WAY ACQUISITION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY

PLATTE COUNTY

FOR INFORMATION ONLY



CONVENTIONAL SYMBOLS
(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	FO	FO
OVERHEAD TELEPHONE		
UNDERGROUND TELEPHONE	T	T
OVERHEAD POWER		
UNDERGROUND POWER	P	P
GAS	G	G
WATER	W	W
MANHOLE	SAN	
FIRE HYDRANT	HYD	
WATER VALVE	WV	
WATER METER	WM	
DROP INLET	D	
DITCH BLOCK		
GROUND MOUNTED SIGN	SIGN	
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL	PED	
FENCE		
CHAIN LINK	V	
WOVEN WIRE	X	
GATE POST		
BENCHMARK	BM	

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS)(4 TOTAL)	2
QUANTITIES (QU) (6 TOTAL)	3
PLAN-PROFILE (PP)	4-8
REFERENCE POINTS (RP)	9
COORDINATE POINTS (CP)	10
SPECIAL SHEETS (SS)	11-16
TRAFFIC CONTROL SHEETS (TC)	17-49
EROSION CONTROL SHEETS (EC)	50-51
LIGHTING (LT)	52
SIGNING (SN)	53-56
PAVEMENT MARKING (PM)	57-59
CULVERT SECTIONS (CS)	60
CROSS SECTIONS (XS)	1-19
BRIDGE DRAWINGS (B)	
BRIDGE A8782	1-28
BRIDGE A8783	1-30
BRIDGE A8881	1-8
BRIDGE A8882	1-7

LENGTH OF PROJECT

BEGINNING OF PROJECT	STA. 896+50.00	
END OF PROJECT	STA. 907+75.00	
APPARENT LENGTH	1,125.00	FEET
EQUATIONS AND EXCEPTIONS:		
STA. 904+73.95 BK. = STA. 904+65.07 AH.	8.88	FEET
TOTAL CORRECTIONS	8.88	FEET
NET LENGTH OF PROJECT	1,133.88	FEET
STATE LENGTH	0.21	MILES

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	1
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

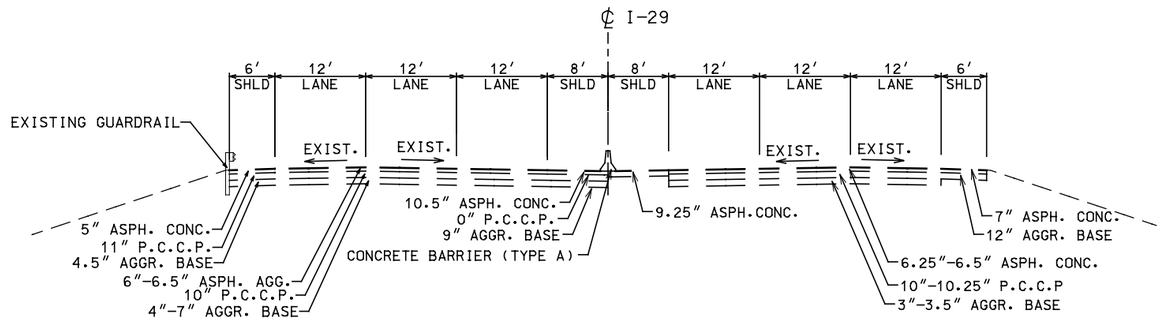
DATE	DESCRIPTION
.	.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

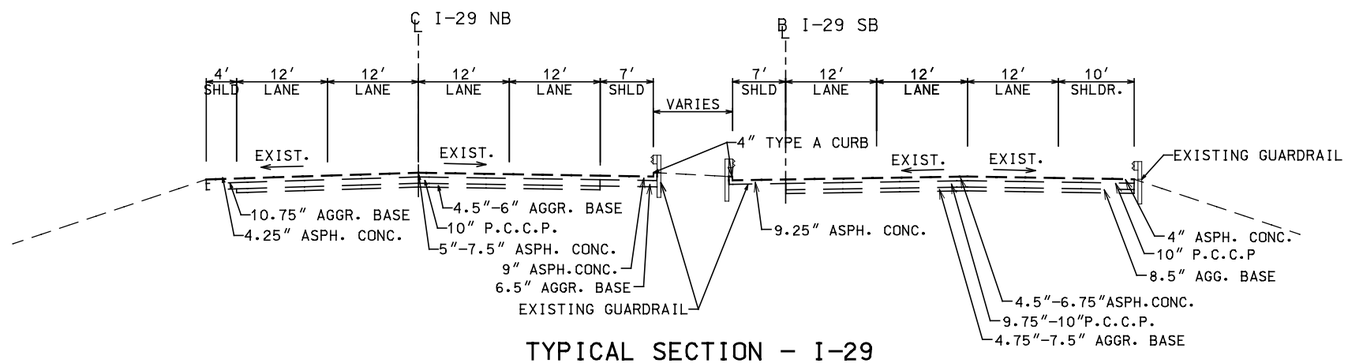
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority No. : 000165
BMcD Project No. 109387

REV.



TYPICAL SECTION – I-29
NORTH OF 56TH ST.
EXISTING



TYPICAL SECTION – I-29
SOUTH OF 56TH ST.
EXISTING

EXISTING TYPICAL SECTIONS
I-29 & 56TH ST.
SHEET 1 OF 4

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	2
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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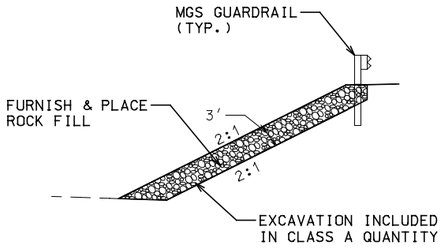
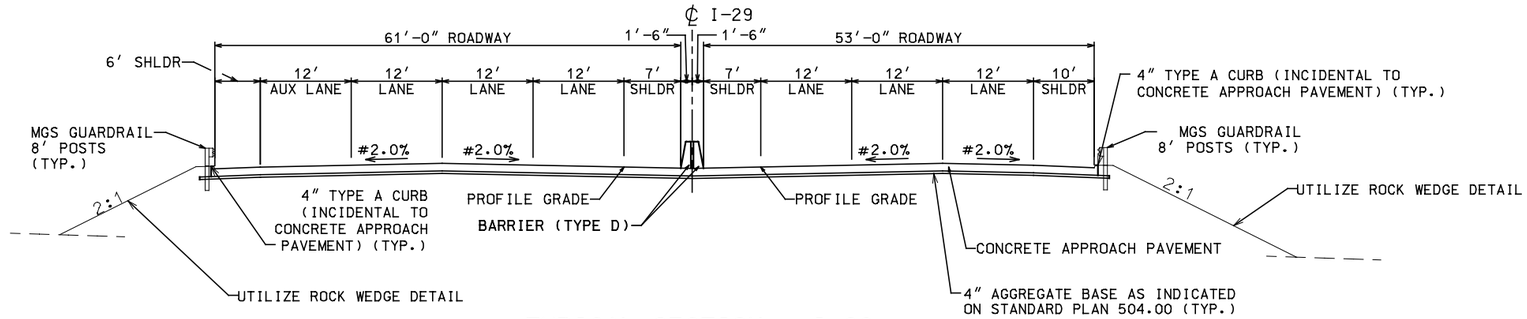
Certificate of Authority
No. : 000165
BMcD Project No. 109387

REV.

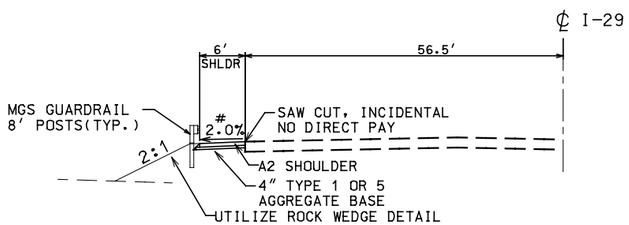
MATCH EXIST. PAVEMENT CROSS SLOPES AT PROJECT TERMINI TRANSITION TO 2.00% IN 50'.



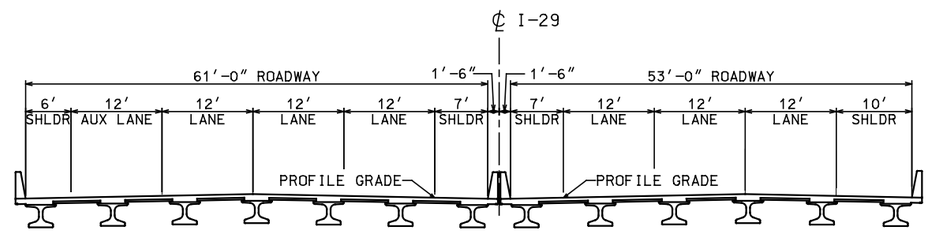
ROCK WEDGE DETAIL



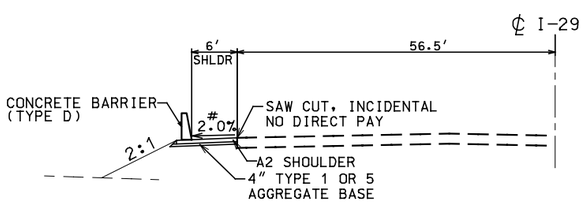
TYPICAL SECTION - I-29
STA. 902+80.25 TO 902+95.25



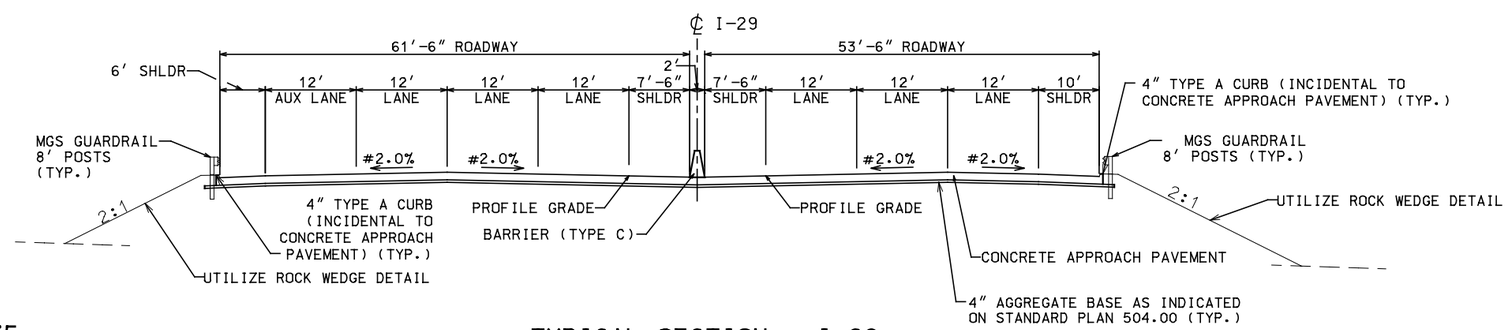
TYPICAL SECTION - I-29
STA. 902+95.25 TO 904+00



BRIDGE SECTION - I-29
(FOR INFORMATION ONLY: SEE BRIDGE PLANS FOR CONSTRUCTION)
STA. 901+69.75 TO 902+80.25



TYPICAL SECTION - I-29
STA. 901+10.12 TO 901+54.75



TYPICAL SECTION - I-29
STA. 901+54.75 TO 901+69.75

TYPICAL SECTIONS
I-29 & 56TH ST.
SHEET 2 OF 4

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	
7/19/2020	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
KC	2
COUNTY	
PLATTE	
JOB NO.	
J4I3291	
CONTRACT ID.	
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PROJECT NO.	
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BRIDGE NO.	
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DATE	DESCRIPTION
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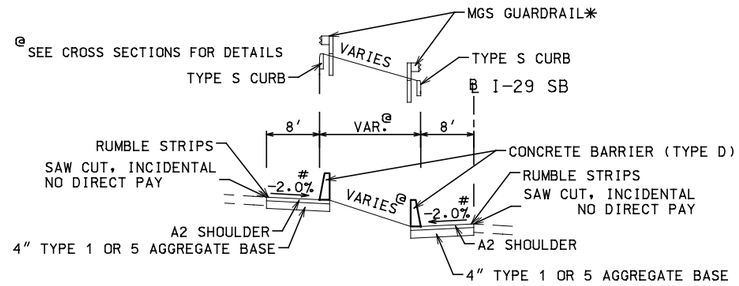
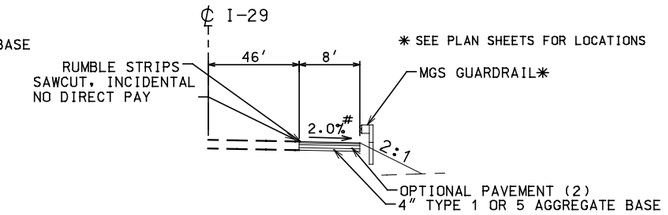
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority No. : 000165
BMcD Project No. 109387

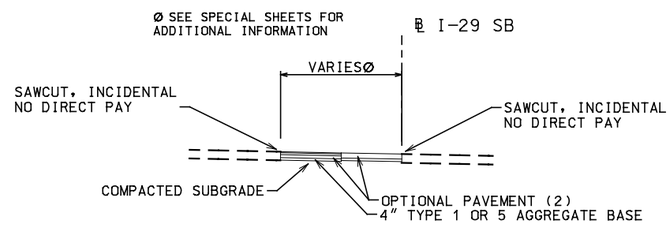
REV.



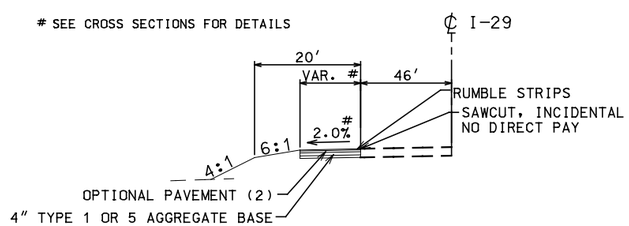
TYPICAL SECTION – I-29
STA. 904+65.07 TO 907+75.00 ℄ I-29 SB



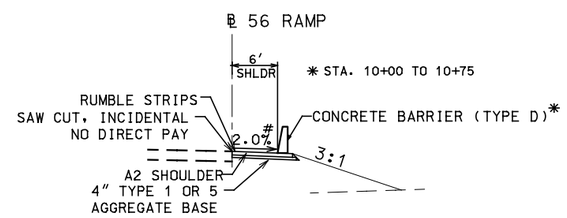
TYPICAL SECTION – I-29
STA. 897+20 TO 901+54.75
STA. 902+95.25 TO 904+73.95



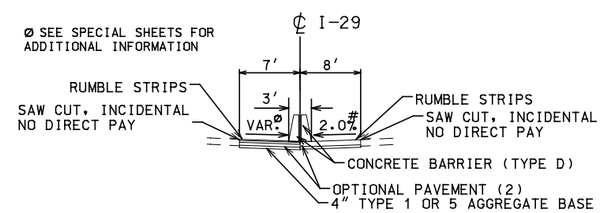
TYPICAL SECTION – I-29
STA. 904+65.07 TO 907+75.00 ℄ I-29 SB



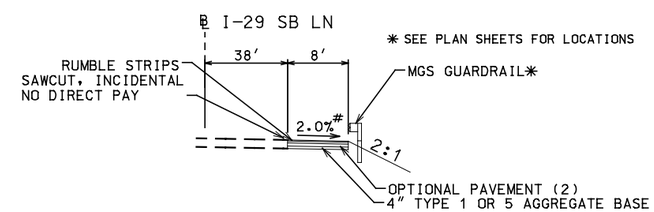
TYPICAL SECTION – I-29
STA. 897+00.00 TO 900+19.37



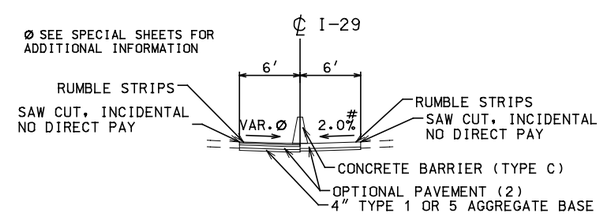
TYPICAL SECTION – 56TH RAMP
STA. 10+00 TO 11+00



TYPICAL SECTION – I-29
STA. 902+95.25 TO 904+73.95 ℄ I-29



TYPICAL SECTION – I-29 SB LN
STA. 904+65.07 TO 905+80.00



TYPICAL SECTION – I-29
STA. 896+50 TO 889+97.53
STA. 900+04.31 TO 901+54.75

(2) OPTIONAL PAVEMENT:
1.75″ SP125C w/PG 70-22
3″ SP250C w/PG 70-22
4.75″ SP250C w/PG 64-22

OR

8″ PCCP PAVEMENT W/15′ JOINTS
& 1.25″ DOWELS

TYPICAL SECTIONS
SHOULDER RESTORATIONS
I-29 & 56TH ST.
SHEET 3 OF 4

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	
7/19/2020	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
KC	2
COUNTY	
PLATTE	
JOB NO.	
J4I3291	
CONTRACT ID.	
.	
PROJECT NO.	
.	
BRIDGE NO.	
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DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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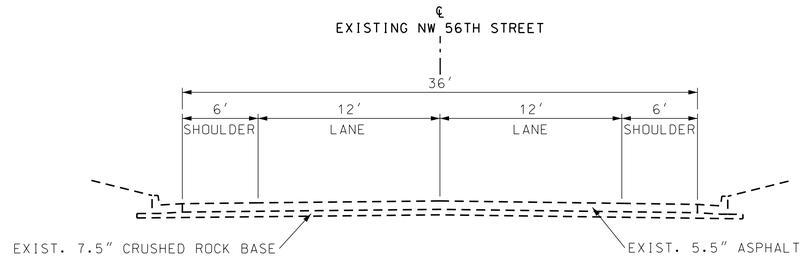
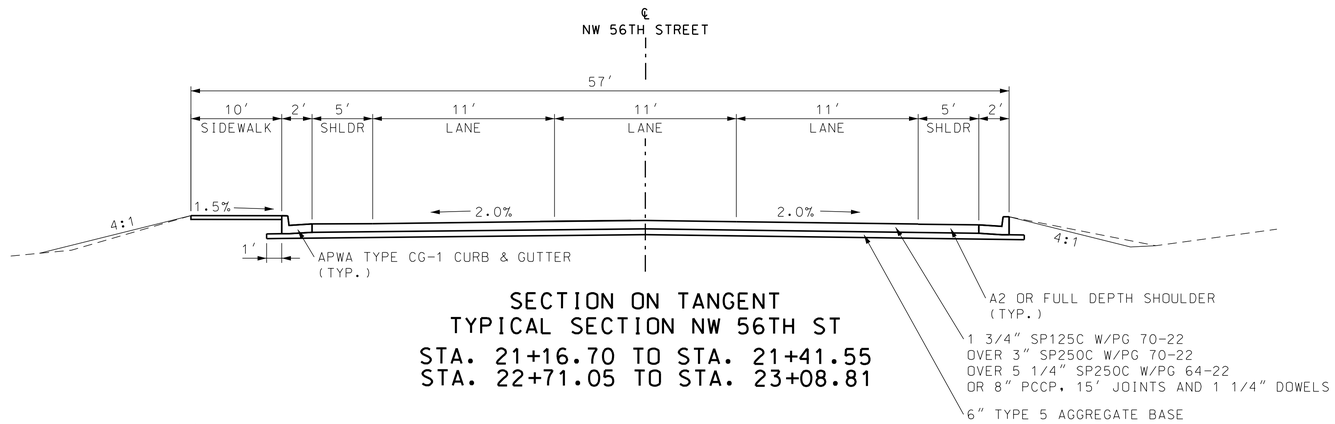
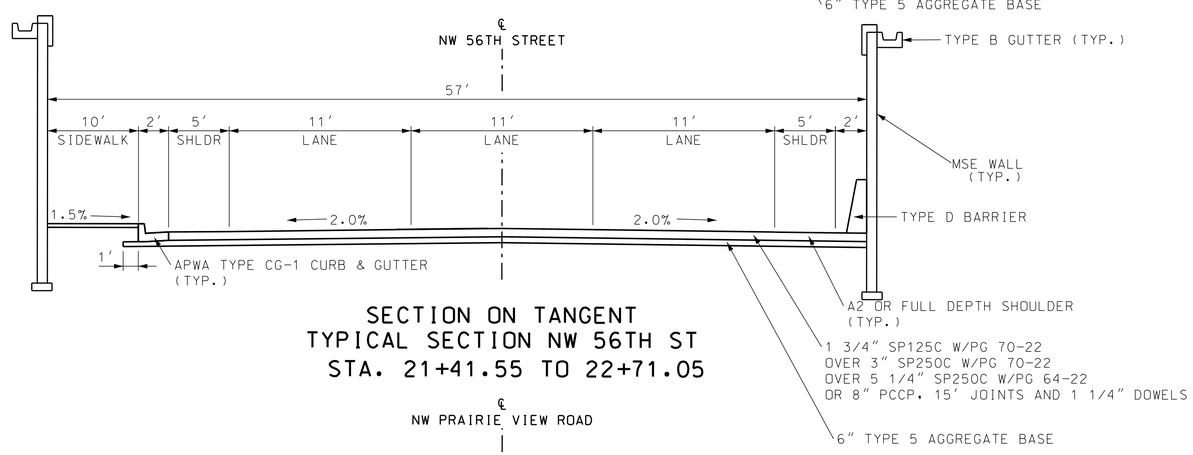


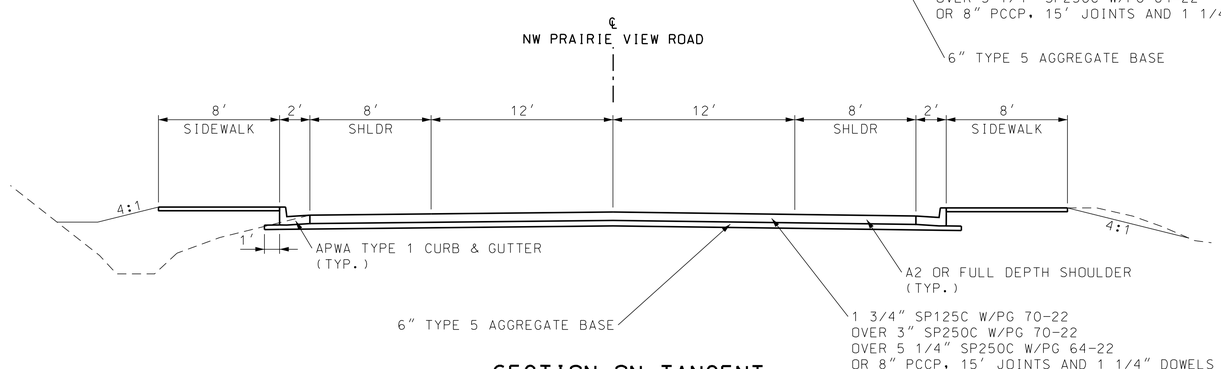
EXISTING SECTION NW 56TH STREET



SECTION ON TANGENT
TYPICAL SECTION NW 56TH ST
STA. 21+16.70 TO STA. 21+41.55
STA. 22+71.05 TO STA. 23+08.81



SECTION ON TANGENT
TYPICAL SECTION NW 56TH ST
STA. 21+41.55 TO 22+71.05



SECTION ON TANGENT
TYPICAL SECTION NW PRAIRIE VIEW ROAD
STA. 49+29.40 TO 50+57.00

TYPICAL SECTION
56TH STREET
SHEET 4 OF 4

DATE PREPARED	6/26/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	2
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekkdesigngroup.com
Missouri Cert. of Authority 2002010300
TREKK DESIGN GROUP, LLC

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

CONTRACTOR FURNISHED SURVEYING & STAKING	
LOCATION	QUANTITY (L.S.)
PROJECT	1
PAY TOTAL:	1

MOBILIZATION	
LOCATION	QUANTITY (L.S.)
PROJECT	1
PAY TOTAL:	1

REMOVAL OF IMPROVEMENTS

SHEET	STATION	TO	STATION	LOCATION	ROUTE	DESCRIPTION	UNIT	RMOVAL OF IMPROVEMENTS	REMARKS
50	896+50.00	TO	901+54.75	INSIDE SHLD. N.B.L	I-29 NB	ASPHALT PAVEMENT	SY	332	
50	896+50.00	TO	901+54.75	INSIDE SHLD. S.B.L	I-29 SB	ASPHALT PAVEMENT	SY	332	
50	897+00.00	TO	900+19.37	OUTSIDE SHLD. N.B.L	I-29 NB	ASPHALT PAVEMENT	SY	503	
50	897+20.00	TO	901+54.75	OUTSIDE SHOULDER	I-29 SB	ASPHALT PAVEMENT	SY	386	
50	896+50.00	TO	901+69.75	CL I-29	I-29	EXISTING TRAFFIC BARRIER	LF	505	
50	896+95.35	TO	901+82.85	OUTSIDE SHOULDER	I-29	EXISTING GUARDRAIL	LF	488	
50	900+11.75	TO	901+69.75	56TH RAMP SHOULDER	I-29	ASPHALT PAVEMENT	SY	102	
50	900+73.38	TO	901+55.99	R/O I-29 N.B.L	I-29	EXISTING GUARDRAIL	LF	83	
50	902+67.15	TO	904+54.65	R/O I-29 N.B.L	I-29	EXISTING GUARDRAIL	LF	188	
50	902+67.15	TO	904+73.95	R/O I-29 S.B.L	I-29	EXISTING GUARDRAIL	LF	207	
50	901+54.75	TO	901+69.75	I-29 N.B.L	I-29	ASPHALT PAVEMENT	SY	104	
50	901+54.75	TO	901+69.75	I-29 S.B.L	I-29	ASPHALT PAVEMENT	SY	91	
50	902+80.25	TO	902+95.25	I-29 N.B.L	I-29	ASPHALT PAVEMENT	SY	104	
50	902+80.25	TO	902+95.25	I-29 S.B.L	I-29	ASPHALT PAVEMENT	SY	91	
50	902+95.25	TO	904+00.00	OUTSIDE SHLD. N.B.L	I-29	ASPHALT PAVEMENT	SY	70	
50	902+95.25	TO	904+73.95	OUTSIDE SHLD. S.B.L	I-29	ASPHALT PAVEMENT	SY	159	
50	904+73.95	TO	905+80.00	OUTSIDE SHLD. S.B.L	I-29	ASPHALT PAVEMENT	SY	100	
50	902+95.25	TO	904+73.95	INSIDES SHLD. N.B.L.	I-29	ASPHALT PAVEMENT	SY	149	
50	902+95.25	TO	904+73.95	INSIDES SHLD. S.B.L.	I-29	ASPHALT PAVEMENT	SY	149	
50	902+80.25	TO	907+87.26	INSIDES SHLD. N.B.L.	I-29	EXISTING TRAFFIC BARRIER	LF	507	
50	902+80.25	TO	907+50.00	INSIDES SHLD. S.B.L.	I-29	EXISTING TRAFFIC BARRIER	LF	470	
50	904+73.95	TO	905+97.91	R/O I-29 S.B.L	I-29	EXISTING GUARDRAIL	LF	130	
50	904+73.95	TO	908+61.63	INSIDES SHLD. S.B.L.	I-29	EXISTING GUARDRAIL	LF	113	
50	904+73.95	TO	908+86.92	INSIDES SHLD. N.B.L.	I-29	EXISTING GUARDRAIL	LF	113	
50	904+73.95	TO	907+75.00	CL I-29	I-29	ASPHALT PAVEMENT	SY	604	
7	19+87			NW 56TH ST		INLET TOP AND GRATE	EA	1	
7	20+14			NW 56TH ST		SIGN	EA	1	
7	20+44			NW 56TH ST		SIGN	EA	1	
7	23+08			NW 56TH ST		SIGNS	EA	3	
7	23+16			NW 56TH ST		HEADWALL	EA	1	
7	902+78			NW ROANRIDGE RD		SAWCUT	LF	28	
7	23+02			NW 56TH ST		BUS STOP	SY	6.4	
7	49+19		49+73	NW PRAIRIE VIEW		PAVED DITCH	SY	69.3	
7	49+24		49+50	NW PRAIRIE VIEW		CURB AND GUTTER	LF	27	
7	49+26			NW PRAIRIE VIEW		SIGN	EA	1	
7	49+32			NW PRAIRIE VIEW		SIGN	EA	1	
7	49+41			NW PRAIRIE VIEW		SIGN	EA	1	
7	50+27			NW PRAIRIE VIEW		SIGN	EA	1	
7	49+50		50+19	NW PRAIRIE VIEW		SAWCUT	LF	68	
7	50+36			NW PRAIRIE VIEW		SIGN	EA	1	
7	50+56			NW PRAIRIE VIEW		SAWCUT	LF	30	
					PAY TOTAL	1	LUMP SUM		

CLEARING & GRUBBING

SHEET NO	STATION	TO	STATION	LOCATION	CLEARING & GRUBBING (ACRES)	REMARKS
4-5	902+95.25	TO	9029+25.00	L/O CL I-29	0.11	
				56TH ST	0.20	56th ST
				TOTAL:	0.31	
				PAY TOTAL:	1.0	Round up to nearest acre

SUMMARY OF QUANTITIES
SHEET 1 OF 6

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED 7/19/2020

ROUTE I-29 | STATE MO

DISTRICT KC | SHEET NO. 3

COUNTY PLATTE

JOB NO. J4I3291

CONTRACT ID. .

PROJECT NO. .

BRIDGE NO. .

DESCRIPTION	DATE
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.

BURNS McDONNELL

9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

Certificate of Authority
No. : 000165

BMcD Project No. 109387

REV.

EARTHWORK SUMMARY

SHEET	STATION	TO	STATION	LOCATION	CLASS A EXC. (C.Y.)	EMBANKMENT IN PLACE (C.Y.)	COMPACTING EMBANKMENT (C.Y.)	REMARKS
4-5	896+50.00	TO	907+75.00	CL I-29/BL I-29 SB	742.9	9.5		STAGE 1
4-5	897+20.00	TO	908+80.00	CL I-29	2726.1		509.0	STAGE 2, INCLUDES PARTIAL EXCAVATION OF WALL A8881 (CLASS A 972 CY) & A8882 (CLASS A 1378 CY)
4-5	900+11.75	TO	904+00.00	CL I-29	2776.5		571.4	STAGE 3, INCLUDES PARTIAL EXCAVATION OF WALL A8881 (CLASS A 914 CY) AND A8882 (CLASS A 1281 CY)
4-5	904+65.07	TO	907+75.00	BL I-29 SB	164.9			STAGE 4
7	19+84.00	TO	23+00.00	NW 56TH ST	1238.0		14.0	STAGE 5
7	49+29.40	TO	50+54.30	NW PRAIRE VIEW RD	363.0		68.0	STAGE 5
VAR.	VAR.			VAR.	100.0			ROUNDING & MISCELLANEOUS GRADING
				PAY TOTAL:	8,112	10	1,163	

CONCRETE APPROACH PAVEMENT

SHEET	STATION	TO	STATION	LOCATION	AVERAGE SHDR. LT. WIDTH (FT.)	AVERAGE PAVEMENT WIDTH (FT.)	AVERAGE SHDR. RT. WIDTH (FT.)	CONCRETE APPROACH PAVEMENT (S.Y.)	TYPE 5 AGGREGATE BASE (4 IN.) (S.Y.)	COMPACTING IN CUT (STA.)	REMARKS
4	901+54.7	TO	901+69.75	I-29 LT	0.0	63.8	0.0	106.38	106.38	0.15	NB BRIDGE
4	901+54.7	TO	901+69.75	I-29 RT	0.0	54.5	0.0	90.83	90.83	0.15	SB BRIDGE
4	902+80.2	TO	902+95.25	I-29 LT	0.0	63.8	0.0	106.38	106.38	0.15	NB BRIDGE
4	902+80.2	TO	902+95.25	I-29 RT	0.0	54.5	0.0	90.83	90.83	0.15	SB BRIDGE
							TOTAL	394.4	394.4	0.60	
							PAY TOTAL:	395.0	395.0	0.60	

PAVEMENT EDGE TREATMENT

SHEET	STATION	TO	STATION	LOCATION	PAVEMENT EDGE TREATMENT (SY.)	REMARKS
7	19+84		20+72	NW 56TH ST	88	
7	902+23		902+78	NW ROANRIDGE RD	55	
7	19+84		20+72	NW 56TH ST	88	
7	902+23		902+78	NW ROANRIDGE RD	55	
				TOTAL	286	

CLASS 1 LINEAR GRADING

SHEET	STATION	TO	STATION	LOCATION	CLASS 1 LINEAR GRADING (STA.)	REMARKS
4	896+65.00	TO	897+20.00	R/O CL I-29	0.6	FOR TYPE A END TERMINAL
				PAY TOTAL	0.6	

ROCK FILL

SHEET	STATION	TO	STATION	LOCATION	FURNISH ROCK FILL (C.Y.)	PLACE ROCK FILL (C.Y.)	GEOTEXTILE FARIC (S.Y.)	REMARKS
4	901+50.00	TO	901+89.25	L/O CL I-29	102.6	102.6	134.3	
4	902+95.25	TO	904+00.00	L/O CL I-29	613.4	613.4	749.8	
4	902+95.25	TO	904+00.00	R/O CL I-29	88.5	88.5	115.9	
4	902+95.25	TO	904+00.00	R/O CL I-29	55.2	55.2	73.3	
				PAY TOTAL:	860.0	860.0	1074.0	

CURB AND GUTTER

SHEET	STATION	TO	STATION	LOCATION	CURB AND GUTTER APWA TYPE CG-1 (L.F.)	MoDOT TYPE A GUTTER (L.F.)	REMARKS
7	20+75.63		21+11.55	NW 56TH ST		37	
7	21+16.70		23+08.81	NW 56TH ST	192		
7	22+71.05		23+29.35	NW 56TH ST	94		
7	49+23.71		494+48.67	NW PRAIRIE VIEW RD	28		
				TOTAL	313.3	36.9	
				PAY TOTAL:	314.0	37.0	

TEMPORARY SURFACING

SHEET	STATION	TO	STATION	LOCATION	TEMPORARY (CY.)	REMARKS
40	20+36		20+58	NW 56TH ST	10	TRAFFIC CONTROL PHASE 5A
41	902+41		902+78	NW ROANRIDGE RD	10	TRAFFIC CONTROL PHASE 5B
				TOTAL	20.0	

PAVEMENT

SHEET	STATION	TO	STATION	LOCATION	AVERAGE SHDR. LT. WIDTH (FT.)	AVERAGE PAVEMENT WIDTH (FT.)	AVERAGE SHDR. RT. WIDTH (FT.)	AREA (S.F.)	A2 SHOULDER (S.Y.)	TYPE 5 AGGREGATE BASE (4 IN.) (S.Y.)	TYPE 5 AGGREGATE BASE (6 IN.) (S.Y.)	OPTIONAL PAVEMENT (SHOULDER/CROSSOVER) (S.Y.)	OPTIONAL PAVEMENT (56TH ST.) (S.Y.)	COMPACTING IN CUT (STA.)	REMARKS
4	897+00.00	TO	900+19.37	I-29 C.L.				4525.6		502.84		502.84		3.19	Outside NB shoulder (phase 1)
4	896+50.00	TO	899+97.54	I-29 INSIDE SHLD.	6.0		6.0			463.39		463.39		3.48	North Crossover 1/2
4	900+04.25	TO	901+54.75	I-29 INSIDE SHLD.	6.0		6.0			200.67		200.67		1.51	North Crossover 2/2
4	902+95.25	TO	904+73.95	I-29 INSIDE SHLD.	7.0		8.0			297.83		297.83		1.79	South Crossover 1/2
5	904+65.07	TO	907+75.00	I-29 SB				5440.0		604.45		604.45		3.10	South Crossover 2/2
5	904+65.07	TO	907+75.00	I-29 SB				4735.9	526.21	526.21				3.10	Final Inside Shoulders
4	897+20.00	TO	901+54.75	I-29 OUTSIDE SHLD.	0.0		8.0			386.44		386.44		4.35	Ouside SB Soulder (Phase 2)
4	902+95.25	TO	904+73.95	I-29 OUTSIDE SHLD.	0.0		8.0			158.84		158.84		1.79	Ouside SB Soulder (Phase 2)
5	904+65.07	TO	905+80.00	I-29 OUTSIDE SHLD.	0.0		8.0			102.16		102.16		1.15	Ouside SB Soulder (Phase 2)
4	10+00.00	TO	11+00.00	56TH RAMP	0.0		6.0		66.67	66.67				1.00	56th Off Ramp Shoulder
4	901+10.12	TO	901+54.75	I-29 OUTSIDE SHLD.	0.0		6.0		29.75	29.75				0.45	Outside NB Shoulder
4	902+95.25	TO	904+00.00	I-29 OUTSIDE SHLD.	6.0		0.0		69.83	69.83				1.05	Outside NB Shoulder
7	19+84.00	TO	23+31.13	NW 56TH ST					81.90		1799.00		1717.20	3.47	Both Sides of Road
7	902+42.25	TO	902+78.25	NW ROADRIDGE RD					45.50		191.00		708.00	0.36	Shoulder Construction Right Only
7	49+29.40	TO	50+55.93	NW PRAIRIE VIEW RD							708.00		708.00	1.27	Const. Pvmt. To Ramp 7
								TOTAL:	819.864	3409.09	2698.00	2716.63	3133.20	31.03	
								PAY TOTAL	820.00	3410.00	2698.00	2717.00	3134.00	31.03	

SUMMARY OF QUANTITIES
SHEET 2 OF 6

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DATE PREPARED 7/19/2020

ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
KC	3

COUNTY: PLATTE

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GUARDRAIL											
SHEET	STATION	TO	STATION	LOCATION	MGS GUARDRAIL	MGS GUARDRAIL, 8 FT POSTS	VERTICAL CONCRETE BARRIER	VERTICAL CONCRETE BARRIER TRANS. SECTION	MGS HEIGHT AND BLOCK TRANSITION	END TERMINAL TYPE A MASH	NOTES
					(LF)	(LF)	(EACH)	(EACH)	(EACH)	(EACH)	
4	896+95.35	TO	900+45.35	R/O CL I-29	300					1	SB outside shoulder
4	900+45.35	TO	901+82.85	R/O CL I-29		100	1				SB outside shoulder
4	902+67.15	TO	904+54.65	L/O CL I-29		125	1		1		NB outside shoulder
4	902+67.15	TO	904+73.95	R/O BL I-29 SB		169.30	1				SB outside shoulder 1/2
5	904+64.07	TO	905+97.91	R/O BL I-29 SB		105.70			1		SB outside shoulder 2/2
4	907+73.79	TO	908+86.92	R/O CL I-29 NB	50.00			1	1		Inside shoulder
4	907+49.40	TO	908+61.63	L/O BL I-29 S.B.L	50.00			1	1		Inside shoulder
PAY TOTAL:					400	500	3	2	4	1	

CONCRETE TRAFFIC BARRIER								
SHEET	STATION	TO	STATION	LOCATION	CONCRETE TRAFFIC BARRIER,	CONCRETE TRAFFIC BARRIER,	CONCRETE CURB TYPE S	NOTES
					(LF)	(LF)	(LF)	
4	896+50.00	TO	899+98.00	CL I-29	348.00			
4	900+04.31	TO	901+69.75	CL I-29	165.44			
4	901+10.11	TO	901+69.75	L/O CL I-29		59.64		
4	902+80.25	TO	904+73.95	R/O CL I-29		193.70		
4	902+80.25	TO	904+73.95	L/O CL I-29		193.70		
5	904+65.07	TO	907+50.00	L/O BL I-29 SB		284.93		
5	904+73.95	TO	907+74.40	R/O CL I-29 NB		300.45		
5	10+00.00	TO	10+75.00	R/O 56TH RAMP		75.00		
5	907+50.00	TO	907+75.00	L/O BL I-29 SB			25.00	
5	907+62.60	TO	907+75.00	R/O CL I-29 NB			12.40	
7	21+11.55	TO	22+71.05	NW 56TH ST		160		Includes 30' Height Transition
PAY TOTAL:					513.00	1267.00	37.00	

CONCRETE TRAFFIC BARRIER TRANSITION						
SHEET	STATION	TO	STATION	LOCATION	CONCRETE TRAFFIC BARRIER,	NOTES
					(EA)	
13	896+27.35	TO	896+47.35	CL-I-29	1.00	TYPE A TO TYPE C
13	899+77.56	TO	899+97.56	CL-I-29	1.00	FLUSH WITH SIGN TRUSS
13	900+04.25	TO	900+24.25	CL-I-29	1.00	FLUSH WITH SIGN TRUSS
13	900+91.85	TO	901+11.85	CL-I-29	1.00	FLUSH WITH SIGN TRUSS
13	901+15.72	TO	901+35.72	CL-I-29	1.00	FLUSH WITH SIGN TRUSS
13	901+49.80	TO	901+69.80	CL-I-29	1.00	TYPE C TO TYPE D
PAY TOTAL:					6.00	

DRAINAGE												
SHEET	ID	STATION	OFFSET (FT)	LOCATION	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE COLLAR	MANHOLE FRAME & COVER TYPE 3	18 IN PIPE GROUPE B	18 IN FES GROUPE B	CLASS 3 EXCAVATION	ROCK LINING
							(EA)	(EA)	(LT)	(EA)	(CY)	(CY)
7	F1	23+14.96	78.09'	RTE 56						1.0		
7	C1	23+15.82	25.19'	RTE 56			1.0					
	P-F1				F1	C1			53.0		2.0	
7		20+76.16	33.72'	RTE 56								4.0
7	M1	19+86.80	13.43'	RTE 56				1.0				
						TOTAL & PAY:	1.0	1.0	53.0	1.0	2.0	4.0

TYPE 2 ROCK BLANKET							
SHEET	STATION	TO	STATION	LOCATION	FURNISH TYPE 2 ROCK BLANKET	PLACE TYPE 2 ROCK BLANKET	REMARKS
4	21+46.50	TO	22+66.13	L/O 56TH ST	14.8	14.8	ON TOP OF MSE WALL A8882
4	21+46.50	TO	22+66.13	R/O 56TH ST	14.8	14.8	ON TOP OF MSE WALL A8881
				PAY TOTAL:	29.5	29.5	

MODIFIED TYPE B GUTTER						
SHEET	STATION	TO	STATION	LOCATION	MODIFIED TYPE B	REMARKS
4	21+11.55	TO	23+01.00	L/O 56TH ST	214	ON TOP OF MSE WALL A8882
4	21+11.55	TO	23+01.00	R/O 56TH ST	214	ON TOP OF MSE WALL A8881
				PAY TOTAL:	428	

CHAIN LINK FENCE (48")						
SHEET	STATION	TO	STATION	LOCATION	48" FENCE (L.F.)	REMARKS
4	21+11.55	TO	21+46.46	L/O 56TH ST	57.3	ON TOP OF MSE WALL A8882
4	22+66.13	TO	23+01.00	L/O 56TH ST	47.34	ON TOP OF MSE WALL A8882
4	21+11.55	TO	21+46.46	R/O 56TH ST	47.34	ON TOP OF MSE WALL A8881
4	22+66.13	TO	23+01.00	R/O 56TH ST	47.34	ON TOP OF MSE WALL A8881
				PAY TOTAL:	200	

SIDEWALK							
SHEET	STATION	TO	STATION	LOCATION	CONCRETE CURB RAMP	TRUNCADED DOMES	CONCRETE SIDEWALK
					(SY.)	(SF.)	(SY.)
7	21+16.7	TO	23+08.81	NW 56TH ST	7.0	12	207.2
7	49+29.0	TO	49+76.32	NW PRAIRIE VIEW	13.7	24	38.0
7	49+23.71	TO	49+36.22	NW PRAIRIE VIEW	5.6	12	5.8
				TOTAL	26.3	48	251.0

RUMBLE STRIPS						
SHEET	STATION	TO	STATION	LOCATION	RUMBLE STRIPS (STA)	REMARKS
4	897+00.00	TO	900+19.37	L/O CL I-29	3.19	NB OUTSIDE SHOULDER
4	10+00.00	TO	11+00.00	L/O BL 56 RAMP	1.00	NB 56 OFF RAMP
4	901+10.12	TO	901+69.75	L/O CL I-29	0.60	NB OUTSIDE SHOULDER
4	902+80.25	TO	904+00.00	L/O CL I-29	1.20	NB OUTSIDE SHOULDER
4	896+50.00	TO	901+69.75	L/O & R/O CL I-29	10.40	NB & SB INSIDE SHOULDERS
4	902+80.25	TO	904+73.95	L/O & R/O CL I-29	3.87	NB & SB INSIDE SHOULDERS
5	904+73.95	TO	907+87.26	R/O CL I-29 NB	3.13	NB INSIDE SHOULDER
5	904+65.07	TO	907+75.00	L/O BL I-29 SB	3.10	SB INSIDE SHOULDER
4	897+20.00	TO	901+69.75	R/O CL I-29	4.50	SB OUTSIDE SHOULDER
5	904+65.07	TO	905+80.00	R/O BL I-29 SB	1.15	SB OUTSIDE SHOULDER
				TOTAL	32.14	
				PAY	32.20	

SUMMARY OF QUANTITIES
SHEET 3 OF 6

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SEEDING						
SHEET	STATION	TO	STATION	LOCATION	COOL SEASON MIXTURE (ACRE)	REMARKS
4	901+39.4	TO	902+95.75	R/O & L/O ML I-29	0.21	
7	19+84	TO	21+42	NW 56TH ST	0.03	RT
7	19+84	TO	20+58	NW 56TH ST	0.03	LT
7	20+91	TO	21+42	NW 56TH ST	0.01	LT
7	22+71	TO	23+29	NW 56TH ST	0.03	RT
7	22+71	TO	23+31	NW 56TH ST	0.02	LT
7	49+24	TO	49+50	NW PRAIRIE VIEW RD	0.01	RT
7	50+19	TO	50+57	NW PRAIRIE VIEW RD	0.01	RT
				TOTAL:	0.40	
				PAY TOTAL:	0.4	

EROSION CONTROL DEVICES									
SHEET	STATION	TO	STATION	LOCATION	ROCK DITCH CHECK (LF)	SILT FENCE (LF)	SEDIMENT REMOVAL (CY)	ECB, TYPE 2 (SY)	REMARKS
50	896+79.06	TO	899+35.74	R/O I-29		258.0	2.58		
50	900+04.43	TO	901+61.14	R/O I-29		185.0	1.85		
50	902+98.98	TO	904+73.95	L/O I-29		310.0	3.10	554.9	
50	896+81.56	TO	902+94.24	R/O I-29	100.00		10.00		
51	19+81	TO	19+93	NW 56TH ST	24		2		RT
51	19+81	TO	20+37	NW 56TH ST		86	1		LT
51	902+66	TO	903+56	NW ROANRIDGE RD	36		3		RT
51	48+98	TO	49+17	NW PRAIRIE VIEW RD	36		2		LT
51	70+45	TO	71+27	RAMP 7	48		4		LT
				TOTAL:	244.00	839.00	29.50	554.90	
				PAY TOTAL:	244.0	839.0	29.5	554.9	

SUMMARY OF QUANTITIES
SHEET 4 OF 6

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PERMANENT PAVEMENT MARKINGS										
					ACRYLIC WATERBORNE PAVEMENT MARKING PAINT					REMARKS
SHEET	STATION	TO	STATION	LOCATION	6" SOLID YELLOW EDGE LINE	6" WHITE INTERMITTENT LANE LINE	6" DOTTED WHITE LANE LINE	6" SOLID WHITE EDGE LINE (L.F.)	12" SOLID WHITE GORE LINE (L.F.)	
57	893+00.00	TO	912+61.00	I-29 NB	2072.0	4044	1222	1863.00		
57	899+50.00	TO	900+58.00	I-29 NB					132.00	
58	912+61.00	TO	END	I-29 NB		1416				EDGE LINES WILL REMAIN
57	893+00.00	TO	910+28.00	I-29 SB	1812.0	3524.0		1812.00		
				TOTAL & PAY:	3884	2246	306	3675	132	

PERMANENT PAVEMENT MARKING							
					PREFORMED THERMOPLASTIC PAVEMENT MARKING		
LOCATION	STATION	STATION	4" WHITE STANDARD WATERBORNE PVMT MARKING PAINT WITH TYPE P BEADS (LF)	4" YELLOW STANDARD WATERBORNE PVMT MARKING PAINT WITH TYPE P BEADS (LF)	6" SOLID WHITE (LF)	24" WHITE STOP BAR (LF)	LEFT/RIGHT ARROW (EA)
56TH ST	16+97	21+11	620	472		14	
56TH ST	21+11	23+02	557	374		22	2
56TH ST	23+02	23+90	285	52	167	12	
		TOTAL	1462	898	167	48	2

56th St - LIGHTING QUANTITIES		
Item	Unit	Totals
CABLE, 8 AWG 1 CONDUCTOR	LF	1118
CABLE, 4 AWG 1 CONDUCTOR	LF	140
WIRE, 8 AWG, BARE NEUTRAL	LF	559
WIRE, 4 AWG, BARE NEUTRAL	LF	70
POWER SUPPLY ASSEMBLY, TYPE 1, 240/120 VOLT SERVICE, LIGHTING ONLY	EA	1
BASE MOUNTED CONTROL STATION 240 VOLT - 4 CIRCUIT	EA	1
LUMINAIRE, 150 WATT HIGH PRESSURE SODIUM (UNDERPASS)	EA	4
CONDUIT, 2 IN. RIGID, IN TRENCH	LF	65
CONDUIT, 2 IN. RIGID, EXTERNAL ON STRUCTURE	LF	268
CONDUIT, 3 IN. RIGID, PUSHED	LF	197
CONDUIT, 3 IN. RIGID, IN TRENCH	LF	60
MISC. - CONDUIT, 1" FLEXIBLE	LF	8
PULL BOX, PREFORMED CLASS 1	EA	4
MISC. JUNCTION BOX, NEMA	EA	4

ADJUST PULL BOX					
SHEET	STATION	OFFSET (FT)	LOCATION	ADJUST PULL BOX (EA)	REMARKS
7	21+14	27	NW 56TH ST	1.0	ADJUST FLUSH W/ SHOULDER
			TOTAL & PAY:	1	

SUMMARY OF QUANTITIES
SHEET 5 OF 6

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ROUTE I-29 | STATE MO

DISTRICT K-C | SHEET NO. 3

COUNTY PLATTE

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BMcD Project No. 109387

REV.

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EFFECTIVE: 10-01-2019

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
WARNING SIGNS								
W01-1L	48X48	16.00						TURN (SYMBOL LEFT ARROW)
W01-1R	48X48	16.00						TURN (SYMBOL RIGHT ARROW)
W01-2L	48X48	16.00						CURVE (SYMBOL LEFT ARROW)
W01-2R	48X48	16.00						CURVE (SYMBOL RIGHT ARROW)
W01-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT ARROW)
W01-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT ARROW)
W01-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT ARROW)
W01-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT ARROW)
W01-4bL	48X48	16.00	2	32.00			33	DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
W01-4bR	48X48	16.00	2	32.00			10	DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
W01-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
W01-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
W01-6	60X30	12.50	2	25.00			16	HORIZONTAL ARROW (SYMBOL)
W01-6	72X36	18.00	4	72.00			11,8	HORIZONTAL ARROW (SYMBOL)
W01-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
W01-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
W01-8	18X24	3.00						CHEVRON (SYMBOL)
W01-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
W03-1	48X48	16.00	2	32.00			39	STOP AHEAD (SYMBOL)
W03-2	48X48	16.00						YIELD AHEAD (SYMBOL)
W03-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
W03-4	48X48	16.00	2	32.00			11	BE PREPARED TO STOP
W03-5	48X48	16.00						SPEED LIMIT AHEAD
W04-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
W04-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)
W04-1aL	48X48	16.00						MERGE (ARROW SYMBOL)
W04-1aR	48X48	16.00	1	16.00			59	MERGE (ARROW SYMBOL)
W05-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS
W05-3	48X48	16.00						ONE LANE BRIDGE
W05-5	48X48	16.00	2	32.00			15	NARROW LANES
W06-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
W06-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
W06-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
W07-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
W08-1	48X48	16.00						BUMP
W08-2	48X48	16.00						DIP
W08-3	48X48	16.00						PAVEMENT ENDS
W08-4	48X48	16.00						SOFT SHOULDER
W08-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
W08-6	48X48	16.00						TRUCK CROSSING
W08-6c	48X48	16.00						TRUCK ENTRANCE
W08-7	36X36	9.00						LOOSE GRAVEL
W08-7a	36X36	9.00						FRESH OIL/LOOSE GRAVEL
W08-9	48X48	16.00						LOW SHOULDER
W08-11	48X48	16.00						UNEVEN LANES
W08-12	48X48	16.00						NO CENTER LINE
W08-15	48X48	16.00						GROOVED PAVEMENT
W08-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
W08-17	48X48	16.00						SHOULDER DROP-OFF (SYMBOL)
W08-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
W012-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)
W012-2	48X48	16.00						LOW CLEARANCE (SYMBOL)
W012-2X	24X18	3.00						LOW CLEARANCE (PLAQUE)
W012-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
W012-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
W012-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
W013-1	30X30	6.25						ADVISORY SPEED (PLAQUE)
W016-2	30X24	5.00						XXX FEET (PLAQUE)
W016-3	30X24	5.00						X MILE (PLAQUE)
W020-1	48X48	16.00	8	128.00			2	ROAD/BRIDGE/RAMP WORK AHEAD
W020-2	48X48	16.00	3	48.00			18	DETOUR AHEAD
W020-3	48X48	16.00	15	240.00			20,55	ROAD CLOSED AHEAD
W020-4	48X48	16.00	2	32.00			7	ONE LANE ROAD AHEAD
W020-5	48X48	16.00	2	32.00			58	RIGHT/CENTER/LEFT LANE CLOSED AHEAD
W020-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
W020-6a	48X48	16.00	1	16.00			57	RIGHT/CENTER/LEFT LANE CLOSED
W020-7a	48X48	16.00	2	32.00			8	FLAGGER (SYMBOL) WITH FLAGS
W021-2	36X36	9.00						FRESH OIL
W021-5	48X48	16.00						SHOULDER WORK AHEAD
W021-5aR	48X48	16.00	2	32.00			13	LEFT SHOULDER CLOSED
W021-5bR	42X36	10.50	2	32.00			14	LEFT SHOULDER CLOSED AHEAD
W022-3	42X36	10.50						END BLASTING ZONE
G022-1	21X15	2.19						WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
GUIDE SIGNS								
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
G020-1	48X24	10.00	4	32.00			1	ROAD WORK NEXT XX MILES
G020-2	48X24	8.00	12	96.00			26	END ROAD WORK
G020-4	36X18	4.50						PILOT CAR FOLLOW ME
G020-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
G020-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW
G020-5aP	36X24	6.00	6	36.00			54	WORK ZONE (PLAQUE)
M04-8a	24X18	3.00	1	3			52	END DETOUR
M04-9L	48X36	12.00						DETOUR (LEFT ARROW)
M04-9R	48X36	12.00						DETOUR (RIGHT ARROW)
M04-9P	48X12	4.00						STREET NAME (PLAQUE)
M04-10L	48X18	6.00						DETOUR (ARROW LEFT)
M04-10R	48X18	6.00						DETOUR (ARROW RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25	2	26.50			41	STOP
R1-2	48TRI.	6.93						YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00	8	96.00			4,25	SPEED LIMIT XX
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00	1	16.00			60	NO LEFT TURN (SYMBOL)
R3-3	36X36	9.00						NO TURNS
R3-4	48X48	16.00						NO U-TURN (SYMBOL)
R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00						DO NOT PASS
R4-2	36X48	12.00						PASS WITH CARE
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)
R5-1	30X30	6.25						DO NOT ENTER
R5-1a	36X24	6.00						WRONG WAY
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00						ONE WAY (LEFT)
R6-2R	24X30	5.00						ONE WAY (RIGHT)
R9-9	24X12	2.00						SIDEWALK CLOSED
R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45° ARROW)
R11-2	48X30	10.00	6	60.00			29	ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50	7	87.50			56	ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00						POINT OF PRESENCE
CONST-7	72X36	8.00	8	144.00			91	RATE OUR WORK ZONE
CONST-7	72X36	18.00						COMPLETED AS PROMISED
CONST-8	48X36	12.00	8	96.00			90	WORK ZONE NO PHONE ZONE

616-10.05 CONSTRUCTION SIGNS	TOTAL	1574
616-10.10 RELOCATED SIGNS	TOTAL	0

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010	3	IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030	7	IMPACT ATTENUATOR (RELOCATION)
6123000A		TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
6161007		SPEED LIMIT AND STROBE LIGHT ASSEMBLY
6161008	30	ADVANCED WARNING RAIL SYSTEM
6161009	15	FLAG ASSEMBLY
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161024		CHANNELIZER (TRIM LINE) WITH LIGHT
6161025	115	CHANNELIZER (TRIM LINE)
6161030	35	TYPE III MOVEABLE BARRICADE
6161031		TYPE III MOVEABLE BARRICADE WITH LIGHTS
6161033		DIRECTION INDICATOR BARRICADE
6161034		DIRECTION INDICATOR BARRICADE, WITH LIGHT
6161040	2	FLASHING ARROW PANEL
6161047		TYPE III OBJECT MARKER
6161052		WARNING LIGHT, TYPE B
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A		CHANGEABLE MESSAGE SIGN W/O COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6161099	5	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6162004		TEMPORARY SHORT-TERM RUMBLE STRIPS
6173600D	3,594	TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED
6173602B		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
6175010A	9,014	RELOCATING TEMPORARY TRAFFIC BARRIER
6176000B		TEMPORARY TRAFFIC BARRIER COMMISSION FURNISHED/RETAINED
6177000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION COMMISSION FURNISHED/RETAINED
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING

SUMMARY OF QUANTITIES
SHEET 6 OF 6

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED 7/19/2020
ROUTE I-29 STATE MO
DISTRICT KC SHEET NO. 3
COUNTY PLATTE
JOB NO. J4I3291
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority No. : 000165
BMcD Project No. 109387

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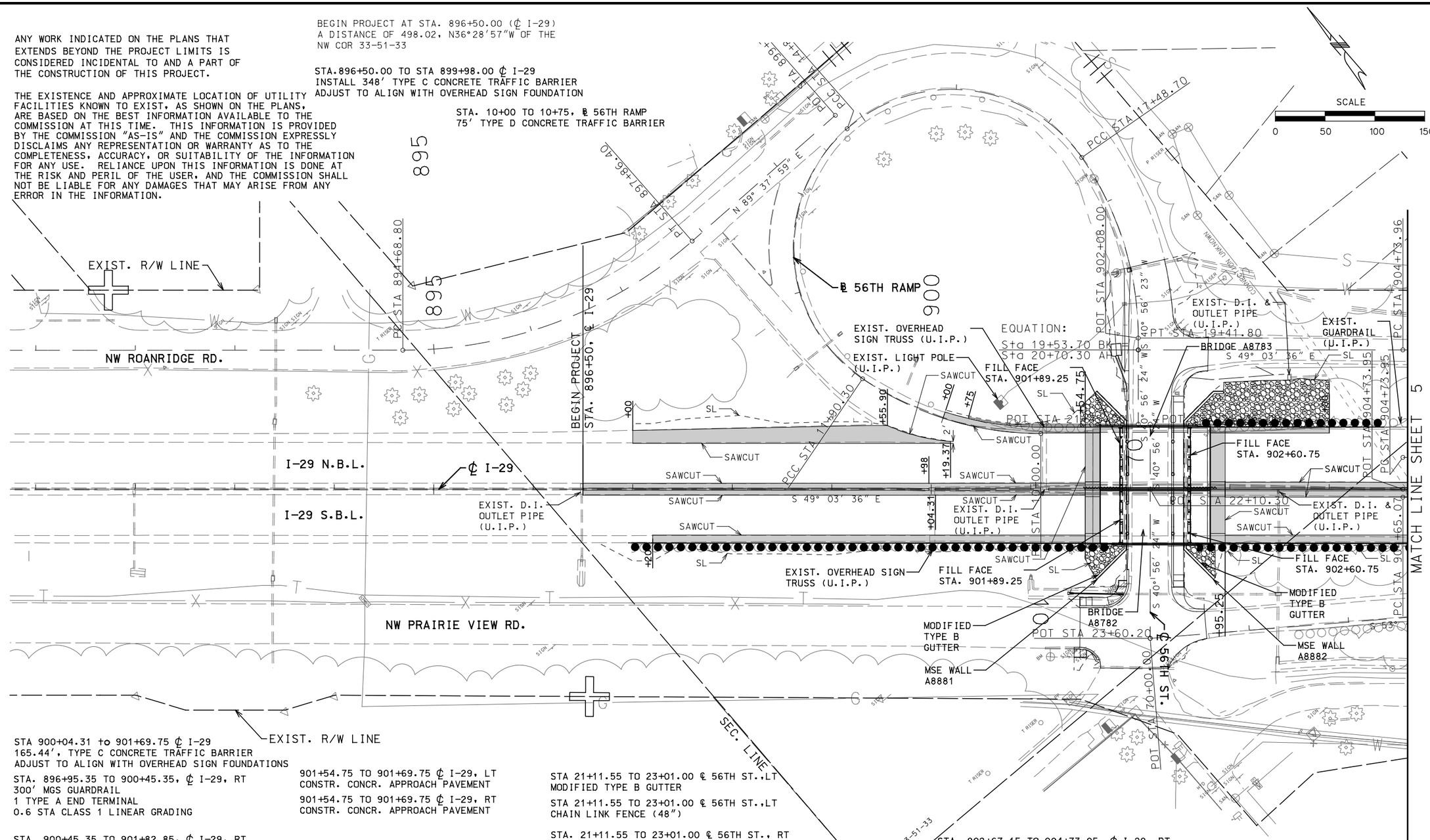
ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION.

BEGIN PROJECT AT STA. 896+50.00 (℄ I-29)
A DISTANCE OF 498.02, N36°28'57"W OF THE
NW COR 33-51-33

STA.896+50.00 TO STA 899+98.00 ℄ I-29
INSTALL 348' TYPE C CONCRETE TRAFFIC BARRIER
ADJUST TO ALIGN WITH OVERHEAD SIGN FOUNDATION

STA. 10+00 TO 10+75, ℄ 56TH RAMP
75' TYPE D CONCRETE TRAFFIC BARRIER



STA 900+04.31 to 901+69.75 ℄ I-29
165.44', TYPE C CONCRETE TRAFFIC BARRIER
ADJUST TO ALIGN WITH OVERHEAD SIGN FOUNDATIONS

STA. 896+95.35 TO 900+45.35, ℄ I-29, RT
300' MGS GUARDRAIL
1 TYPE A END TERMINAL
0.6 STA CLASS 1 LINEAR GRADING

STA. 900+45.35 TO 901+82.85, ℄ I-29, RT
1 MGS BRIDGE APPROACH TRANS. SECTION
(EXTENDED CURB)
100' MGS GUARDRAIL, 8' POSTS

STA. 901+10.11 TO 901+69.75, ℄ I-29 LT.
59.64' TYPE D CONCRETE TRAFFIC BARRIER

STA. 901+89.25 TO 902+60.75
BLD. BRIDGE A8782 & A8783 W/
BR. APPROACH SLABS
BLD. BRIDGE A8881 & A8882
SEE BR. DRAWINGS

901+54.75 TO 901+69.75 ℄ I-29, LT
CONSTR. CONCR. APPROACH PAVEMENT

901+54.75 TO 901+69.75 ℄ I-29, RT
CONSTR. CONCR. APPROACH PAVEMENT

STA. 902+80.25 TO 904+73.95 ℄ I-29, LT
193.7' TYPE D CONCRETE TRAFFIC BARRIER

STA. 902+80.25 TO 904+73.95 ℄ I-29, RT
193.7' TYPE D CONCRETE TRAFFIC BARRIER

STA. 902+67.15 TO 904+54.65, ℄ I-29, LT
1 MGS BRIDGE APPROACH TRANS. SECTION (EXTENDED CURB)
125.0' MGS GUARDRAIL, 8' POSTS
1 MGS HEIGHT AND BLOCK TRANS.

STA 21+11.55 TO 23+01.00 ℄ 56TH ST.,LT
MODIFIED TYPE B GUTTER

STA 21+11.55 TO 23+01.00 ℄ 56TH ST.,LT
CHAIN LINK FENCE (48")

STA. 21+11.55 TO 23+01.00 ℄ 56TH ST., RT
MODIFIED TYPE B GUTTER

STA. 21+11.55 TO 23+01.00 ℄ 56TH ST., RT
CHAIN LINK FENCE (48")

STA. 902+67.15 TO 904+73.95, ℄ I-29, RT
1 MGS BRIDGE APPROACH TRANS. SECTION (EXTENDED CURB)
169.30' MGS GUARDRAIL, 8' POSTS

902+80.25 TO 902+95.25 ℄ I-29, LT
CONSTR. CONCR. APPROACH PAVEMENT

902+80.25 TO 902+95.25 ℄ I-29, RT
CONSTR. CONCR. APPROACH PAVEMENT

901+50 TO 901+89.25 ℄ I-29, LT
PLACE 103 CY OF ROCK FILL

902+60.75 TO 904+00 ℄ I-29, LT
PLACE 613 CY OF ROCK FILL

901+54.75 TO 901+89.25 ℄ I-29, RT
PLACE 88 CY OF ROCK FILL

902+60.75 TO 902+83.50 ℄ I-29, RT
PLACE 55 CY OF ROCK FILL

SEE E/C SHEET FOR REMOVAL ITEMS

I-29 PLAN & PROFILE
SHEET 1 OF 4

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DATE PREPARED	
7/19/2020	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
K·C	4
COUNTY	
PLATTE	
JOB NO.	
J4I3291	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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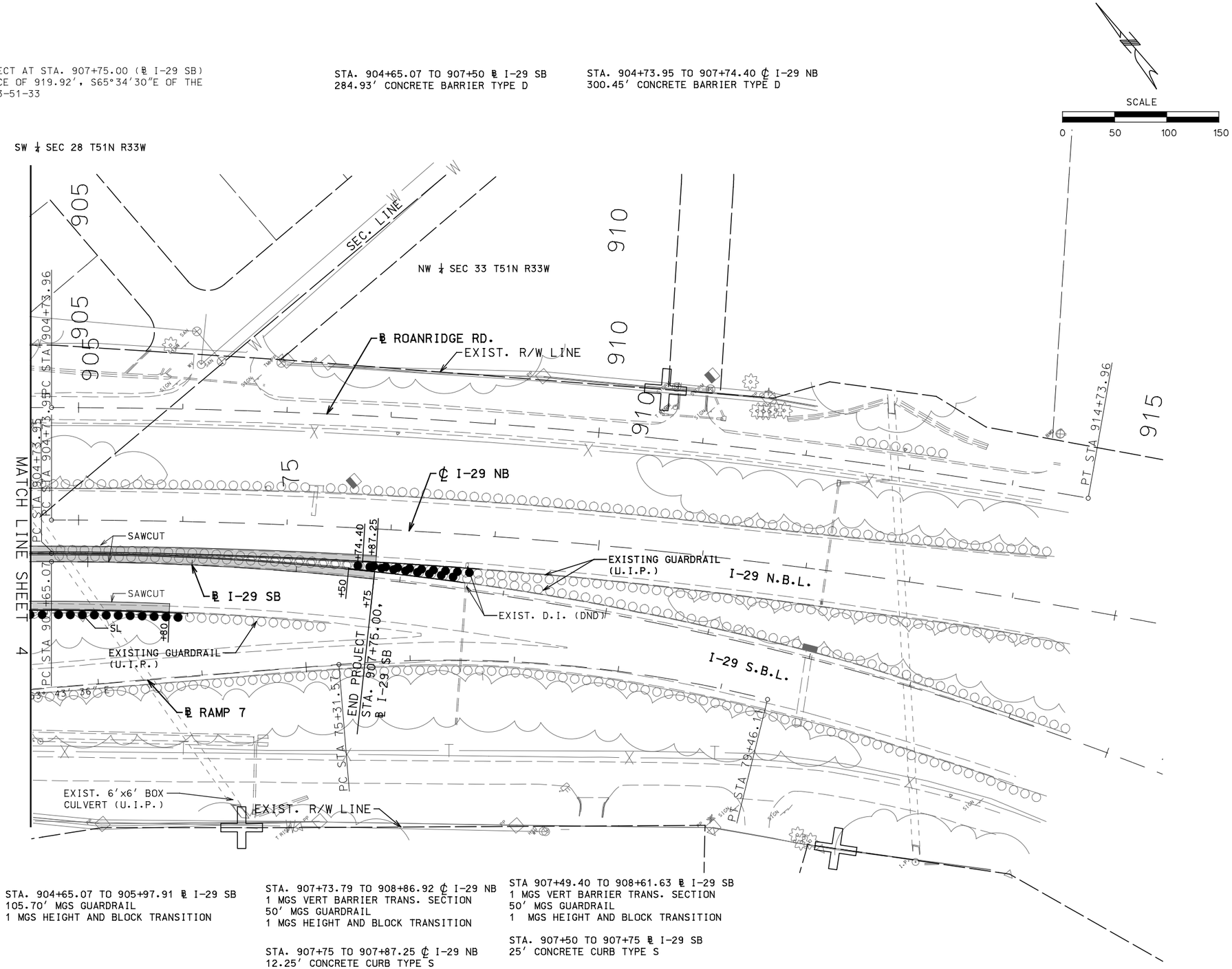
END PROJECT AT STA. 907+75.00 (℄ I-29 SB)
A DISTANCE OF 919.92', S65°34'30"E OF THE
NW COR 33-51-33

STA. 904+65.07 TO 907+50 ℄ I-29 SB
284.93' CONCRETE BARRIER TYPE D

STA. 904+73.95 TO 907+74.40 ℄ I-29 NB
300.45' CONCRETE BARRIER TYPE D



STA. 904+65.07 TO 905+97.91 ℄ I-29 SB
105.70' MGS GUARDRAIL
1 MGS HEIGHT AND BLOCK TRANSITION

STA. 907+73.79 TO 908+86.92 ℄ I-29 NB
1 MGS VERT BARRIER TRANS. SECTION
50' MGS GUARDRAIL
1 MGS HEIGHT AND BLOCK TRANSITION

STA. 907+75 TO 907+87.25 ℄ I-29 NB
12.25' CONCRETE CURB TYPE S

STA 907+49.40 TO 908+61.63 ℄ I-29 SB
1 MGS VERT BARRIER TRANS. SECTION
50' MGS GUARDRAIL
1 MGS HEIGHT AND BLOCK TRANSITION

STA. 907+50 TO 907+75 ℄ I-29 SB
25' CONCRETE CURB TYPE S

SEE E/C SHEET FOR REMOVAL ITEMS

I-29 PLAN AND PROFILE
SHEET 2 OF 4

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DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	5
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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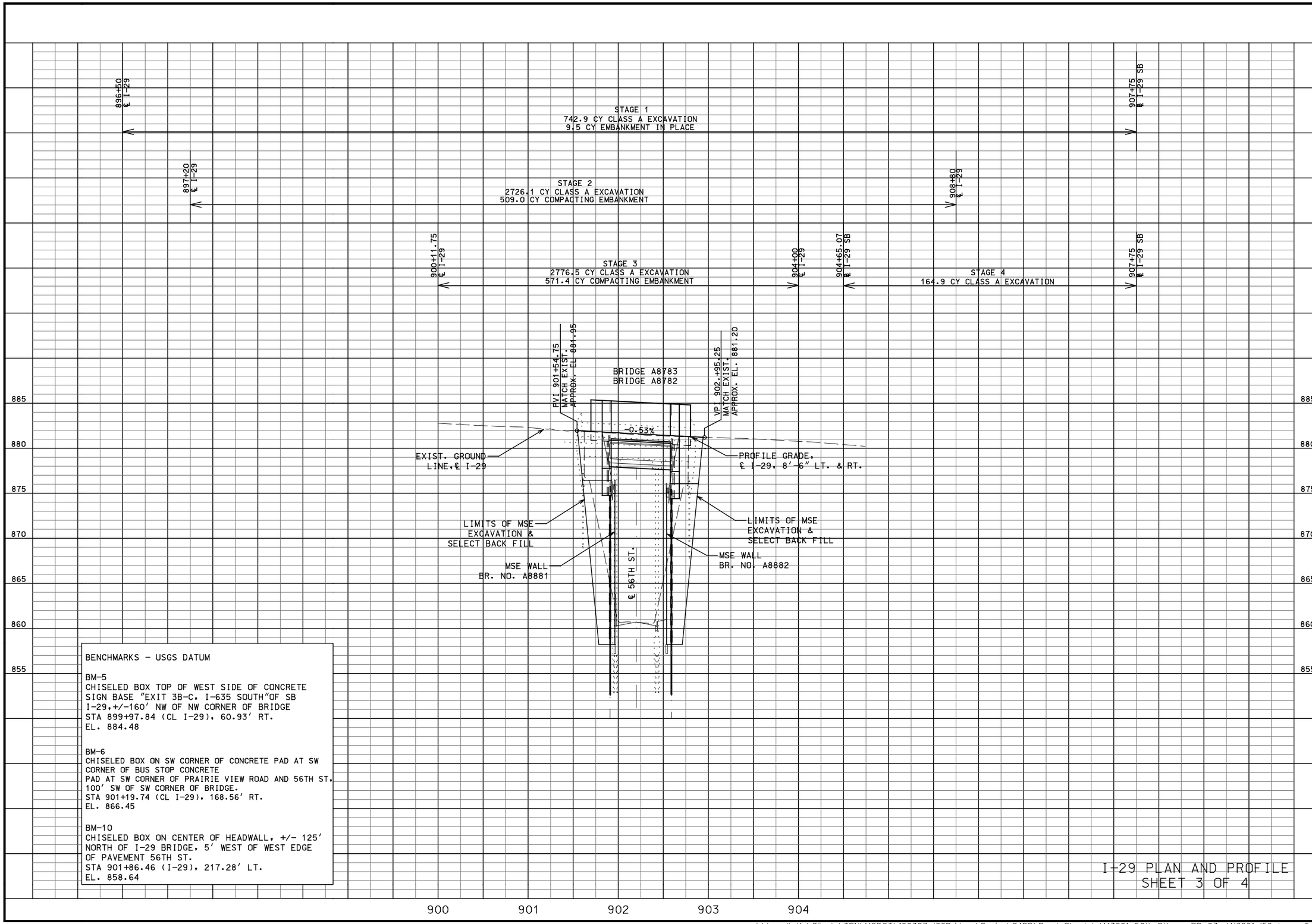

BENCHMARKS - USGS DATUM

BM-5
CHISELED BOX TOP OF WEST SIDE OF CONCRETE SIGN BASE "EXIT 3B-C, I-635 SOUTH" OF SB I-29, +/-160' NW OF NW CORNER OF BRIDGE
STA 899+97.84 (CL I-29), 60.93' RT.
EL. 884.48

BM-6
CHISELED BOX ON SW CORNER OF CONCRETE PAD AT SW CORNER OF BUS STOP CONCRETE PAD AT SW CORNER OF PRAIRIE VIEW ROAD AND 56TH ST, 100' SW OF SW CORNER OF BRIDGE.
STA 901+19.74 (CL I-29), 168.56' RT.
EL. 866.45

BM-10
CHISELED BOX ON CENTER OF HEADWALL, +/- 125' NORTH OF I-29 BRIDGE, 5' WEST OF WEST EDGE OF PAVEMENT 56TH ST.
STA 901+86.46 (I-29), 217.28' LT.
EL. 858.64

I-29 PLAN AND PROFILE
SHEET 3 OF 4

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ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	6
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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BMcD Project No. 109387

REV.

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LEGEND

NEW PAVEMENT

MATCH EXIST. STA 902+78.25

MATCH EXIST. SHOULDER

SHOULDER WIDTH VARIES

GRADE TO DRAIN

ADJUST EXIST. PULL BOX

EXIST. BRIDGE A1669

℄ I-29 STA.902+20.00=
℄ NW 56TH ST STA. 22+10.30

MATCH EXIST. SHOULDER

℄ RAMP 7 STA. 70+57.16=
℄ NW PRAIRIE VIEW RD STA. 50+57.00, 6.05' RT
NW1/4 NW1/4
S33 T51N R33W

END RECONSTRUCTION STA. 23+90.19

EXIST. R/W

PT STA 19+41.80

PT STA 20+58.40

NW ROANRIDGE ROAD

I-29 NORTHBOUND

PROP. BRIDGE A8783

10' SIDEWALK

21' R

25' R

SEC. LINE

WALL A8882

SHOULDER WIDTH VARIES

RAMP 7

MATCH EXIST. STA 70+56.63

15' R

25' R

50' R

94°40'00"

90°13'23"

POT STA 24+03.05

NW MEADOWVALE DR

BEGIN RECONSTRUCTION STA. 19+84.00

M1
(R) GRATE REPLACE WITH TYPE 3 MH FRAME & COVER

18" RCP (UIP)

90°0'0"

APWA TYPE CG-1 CURB & GUTTER

S 40° 56' 24" W

NW 56TH STREET

℄ NW 56TH ST STA. 23+49.25=
℄ CONST. NW PRAIRIE VIEW INTERSECTION STA. 50+00.00

℄ RAMP 7 STA. 70+00.00=
℄ NW 56TH ST STA. 23+60.20

MATCH EXIST. SHOULDER

SHOULDER WIDTH VARIES

S 40° 56' 24" W

TYPE D BARRIER AT FACE OF MSE WALL

(R) EXIST. BUS STOP

(R) EXIST. SIGNS

23' R

(R) EXIST. SIGN

BUS STOP

℄ 56TH ST RAMP

℄ 56TH ST RAMP

4' SHOULDER

GRADE TO DRAIN

BM #10

EXIST. PULL BOX (DND)

SL

ROCK LINING

EQUATION:
Sta 19+53.70 BK =
Sta 20+70.30 AH

TYPE A GUTTER

EXIST. PULL BOX (DND)

PROP. BRIDGE A8782

APWA TYPE CG-1 CURB & GUTTER

WALL A8881

(R) PAVED DITCH

8' SIDEWALK

TYPE D BARRIER HEIGHT TRANSITION

I-29 SOUTHBOUND

NW PRAIRIE VIEW ROAD

2' CURB & GUTTER

18' R

24" CMP (UIP)

REMOVE & REPLACE EXIST. CURB RAMP

(R) EXIST. SIGNS

MATCH EXIST. STA 49+29.40

EXIST. BUS STOP (UIP)

NW 56TH

SCALE

0 20 40 60

CURVE 56 ST RAMP
PI 18+48.32
PCC 17+48.70
PT 19+41.80
Δ 34° 45' 28.8" (RT)
D 18° 00' 00.0"
L 193.10'
T 99.62'
R 318.31'

CURVE PR56THCONST_1
PI 19+61.40
PC 18+58.02
PT 20+58.40
Δ 34° 45' 29.0" (RT)
D 17° 20' 45.9"
L 200.38'
T 103.38'
R 330.31'

SW1/4 SW1/4
S28 T51N R33W

℄ NW ROANRIDGE RD STA. 902+20.00=
℄ NW 56TH ST STA. 20+70.30

℄ 56TH ST RAMP STA. 20+70.30=
℄ NW ROANRIDGE RD STA. 902+08.00

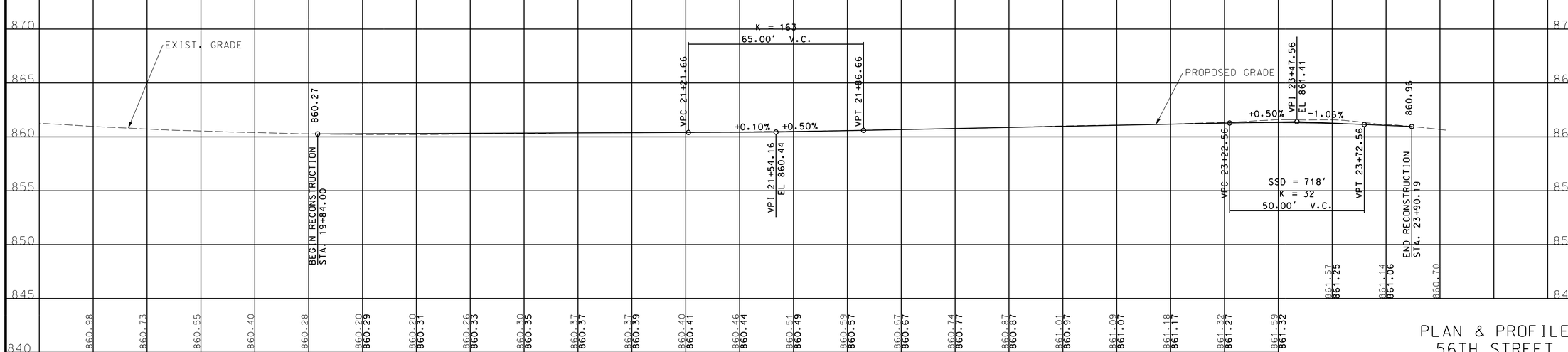
℄ 56TH ST RAMP STA. 21+45.00=
℄ 56TH ST STA. 21+45.00, 12.00' LT

F1 NW 56TH ST
STA. 23+14.96, 78.09' RT
REMOVE EXIST. HEADWALL
INSTALL 18" GROUP B FES W/ 53'X 18" GROUP B PIPE AND TYPE A PIPE COLLAR

BM #10
CHISELED BOX ON CENTER OF HEADWALL +/- 125' NORTH OF I-29 BRIDGE, 5' WEST OF WEST EDGE OF PAVEMENT 56TH STREET.
STA. 19+86.77, 26.42' RT

ELEVATION: 858.64
NORTHING: 1103478.8623
EASTING: 2754884.0350

HORIZ: 1" = 20'
VERT: 1" = 5'



PLAN & PROFILE
56TH STREET
SHEET 4 OF 4

DATE PREPARED	
6/26/2020	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
KC	7
COUNTY	
PLATTE	
JOB NO.	
J4I3291	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4645
Fax (816) 874-4675
www.trekkdesigngroup.com

Missouri Cert. of Authority 2002010300

TREKK DESIGN GROUP, LLC

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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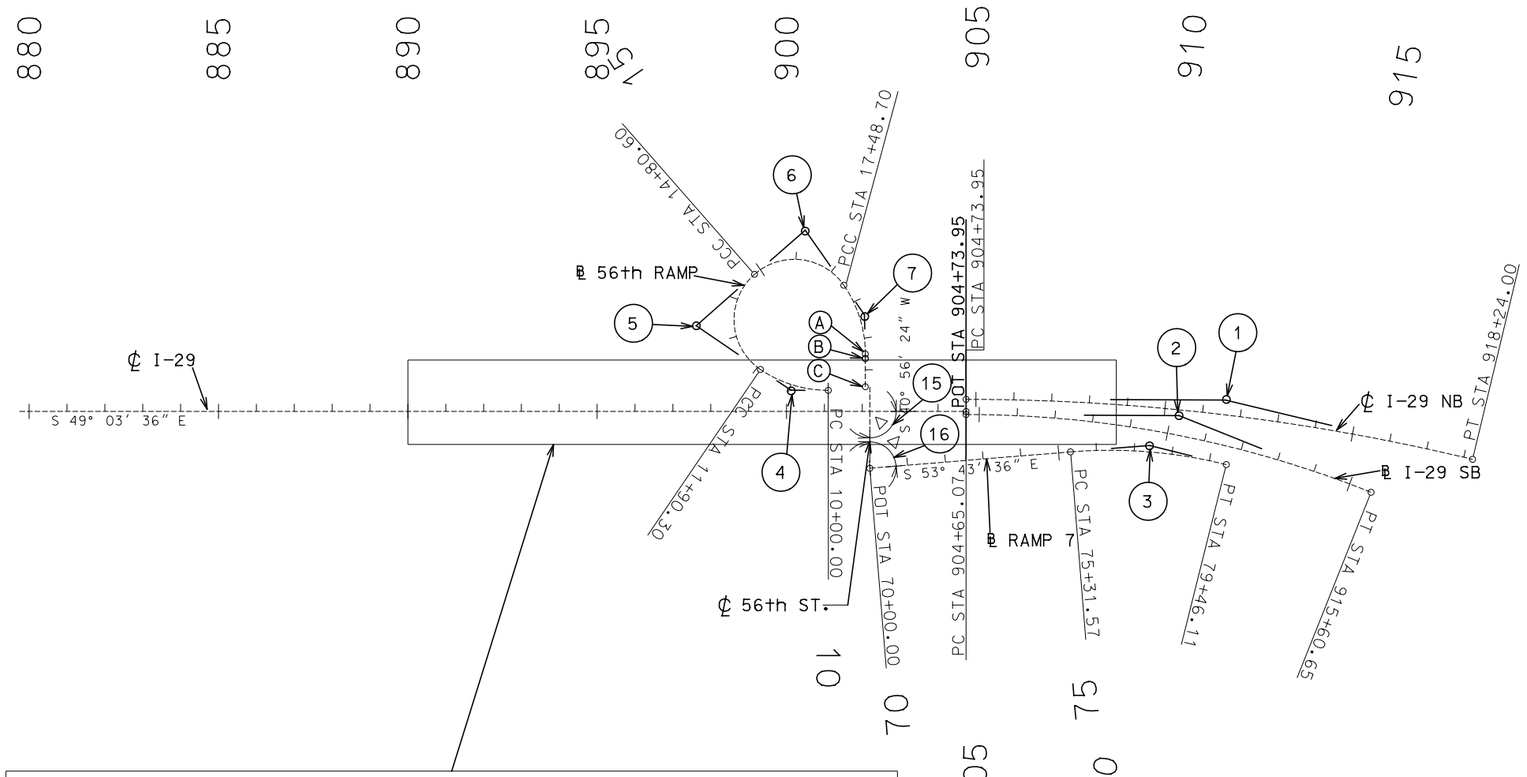

	LOCATION	STATION	
A	℄ 56th RAMP		19+41.80
B	℄ 56th RAMP	19+53.70 BK	20+70.30 AH
C	℄ 56th RAMP		21+45.00

CURVE DATA

NO	LOCATION	P.I STATION	Δ	D	T	L	R	S.E
1	℄ I29 NB C NB	911+52.12	13°30′01.19″	0°59′59.95″	678.17′	1,350.05′	5,729.65′	EXIST. 5.0%
2	℄ I29 C SB	910+19.52	21°43′42.59″	1°58′59.83″	554.45′	1,095.58′	2,888.93′	EXIST. 4.0%
3	℄ Ramp 7	77+40.69	18°39′15.46″	4°29.59.99″	209.12′	414.54′	1,273.24′	EXIST. 8.0%
4	℄ 56th RAMP C1	10+98.09	34°15′14.36″	17°59′59.98″	98.09′	190.30′	318.31′	
5	℄ 56th RAMP C2	13+95.88	104°30′16.85″	35°59′55.88″	205.58′	290.30′	159.16′	
6	℄ 56th RAMP C3	16+58.96	96°30′46.56″	35°59′55.88″	178.36′	268.10′	159.16′	
7	℄ 56th RAMP C4	18+48.32	34°45′28.76″	17°59′59.98″	99.62′	193.10′	318.31′	
8	I-29 TEMPCONN.2-1	11+57.47	8°57′01.9″ (LT)	2°50′51.7″	157.47′	314.31′	2,012.00′	
9	I-29 TEMPCONN.2-2	14+71.78	8°57′01.9″ (RT)	2°50′51.7″	157.47′	314.31′	2,012.00′	
10	I-29 TEMPCONN.1-1	11+53.38	8°43′07.5″ (RT)	2°50′51.7″	153.38′	306.17′	2,012.00′	
11	I-29 TEMPCONN.1-2	14+59.55	8°43′07.5″ (LT)	2°50′51.7″	153.38′	306.17′	2,012.00′	
12	I-29 TEMPCONN.3-1	11+38.08	7°51′06.0″ (RT)	2°50′51.7″	138.08′	275.72′	2,012.00′	
13	I-29 TEMPCONN.4-1	11+19.81	6°48′55.8″ (LT)	2°50′51.7″	119.81′	239.33′	2,012.00′	
14	I-29 TEMPCONN.4-2	14+65.63	12°50′04.8″ (RT)	2°50′51.7″	226.30′	450.70′	2,012.00′	

INTERSECTION POINT

NO	MAIN	CROSSROAD	MAIN STATION	CROSSROAD STATION	Δ
8	56th ST.	I-29 SB	22+10.30	901+20.00	90°00′00″
9	56th ST.	RAMP 7	23+60.20	70+00.00	85°20′00″

ALIGNMENT LAYOUT SHEET
SHEET 1 OF 1

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	
7/19/2020	
ROUTE: I-29	STATE: MO
DISTRICT: KC	SHEET NO.: 8
COUNTY: PLATTE	
JOB NO.: J4I3291	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
BURNS McDONNELL
Certificate of Authority
No. : 000165
BMcD Project No. 109387

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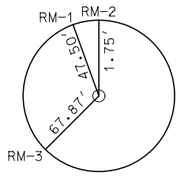
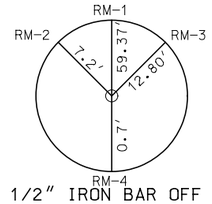
REFERENCE POINTS

RM-1: NNW 47.50′ TO SOUTH FACE OF METAL SIGN BASE
RM-2: NORTH 1.75′ TO CHAIN LINK FENCE
RM-3: SW 67.87′ TO NORTH FACE OF METAL SIGN BASE



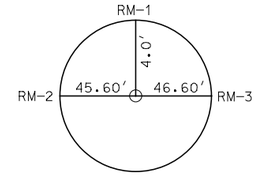
CP 3 – SET 1/2″ IRON BAR OFF NORTH EDGE OF PAVEMENT OF NW PRAIRIE VIEW RD, +/-70′ SE OF CL OF N. ADRIAN AVE.
N: 1104585.279
E: 2753108.497
ELEVATION: 889.65
℄ SURVEY STA. 881+20.23
OFFSET 110.38′ RT.

RM-1: NORTH 59.37′ TO EDGE OF PAVEMENT OF SB I-29
RM-2: NW 7.2′ TO SOUTH FACE OF CHAIN LINK FENCE
RM-3: NE 12.80′ TO SOUTH FACE OF CHAIN LINK FENCE
RM-4: SOUTH 0.7′ TO NORTH EDGE OF PAVEMENT



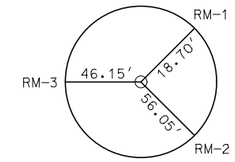
CP 4 – SET 1/2″ IRON BAR OFF NORTH EDGE OF PAVEMENT OF NW PRAIRIE VIEW RD, +/-800′ SE OF CL OF N. ADIRAN AVE.
N: 1104102.367
E: 2753661.345
ELEVATION: 892.39
℄ SURVEY STA. 888+54.28
OFFSET 112.91′ RT.

RM-1: NORTH 4.0′ TO SOUTH FACE OF GUARD RAIL
RM-2: WEST 45.60′ TO EAST FACE OF METAL SIGN BASE
RM-3: EAST 46.60′ TO WEST FACE OF METAL SIGN BASE



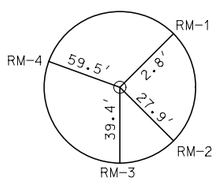
CP 5 – SET 1/2″ IRON BAR OFF SOUTH SHOULDER OF SB I-29, +/-200′ NW OF NW CORNER OF I-29 BRIDGE OVER NW 56TH ST.
N: 1103425.148
E: 2754525.471
ELEVATION: 883.09
℄ SURVEY STA. 899+50.8
OFFSET 58.25′ RT.

RM-1: NE 18.70′ TO SOUTH FACE OF METAL STOP SIGN BASE
RM-2: SE 56.05′ TO NORTH FACE OF METAL SIGN POST "HOUSTON LAKE"
RM-3: WEST 46.15′ TO EAST FACE OF METAL STOP SIGN BASE



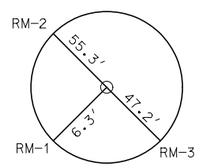
CP 6 – SET 1/2″ IRON BAR WEST SIDE OF INTERSECTION OF NW PRAIRIE VIEW RD AND N 56TH STREET
N: 1103131.473
E: 2754659.430
ELEVATION: 858.69
℄ SURVEY STA. 902+44.43
OFFSET 192.31′ RT.

RM-1: NE 2.8′ TO CHAIN LINK FENCE
RM-2: SE 27.9′ TO NW FACE OF 20MPH SIGN
RM-3: SOUTH 39.4′ TO NORTH FACE OF METAL SIGN POST "CITY LIMIT"
RM-4: WNW 59.5′ TO SE FACE OF METAL SIGN POST



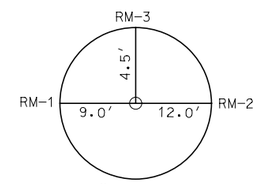
CP 7 – SET 1/2″ IRON BAR OFF NORTH EDGE OF PAVEMENT OF NW PRAIRIE VIEW RD, +/-180′ SE OF N. VENETIAN AVE.
N: 1102385.126
E: 2755458.456
ELEVATION: 841.21
℄ SURVEY STA. 913+70.10
OFFSET 88.21′ RT.

RM-1: SW 6.3′ TO NORTH EDGE OF PAVEMENT ROANRIDGE RD.
RM-2: NW 55.3′ TO END OF GUARD RAIL
RM-3: SE 47.2′ TO END OF GUARD RAIL



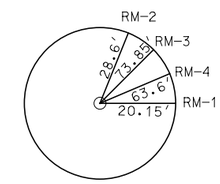
CP 8 – SET 1/2″ IRON BAR OFF NORTH SHOULDER OF ROANRIDGE RD, +/-210′ SE OF CL N. MAYVIEW AVE.
N: 1102664.519
E: 2755643.234
ELEVATION: 848.76
℄ SURVEY STA. 912+78.68
OFFSET 125.26′ LT.

RM-1: WEST 9.0′ TO NORTH FACE OF METAL FENCE POST
RM-2: EAST 12.0′ TO NORTH FACE OF METAL FENCE POST
RM-3: NORTH 4.5′ TO SOUTH EDGE OF PAVEMENT



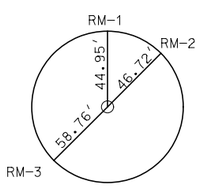
CP 9 – SET 1/2″ IRON BAR OFF NORTH SHOULDER OF ROANRIDGE RD, +/-275′ NW OF CL N. MAYVIEW AVE.
N: 1102995.441
E: 2755285.405
ELEVATION: 870.52
℄ SURVEY STA. 908+1.32
OFFSET 92.61′ LT.

RM-1: EAST 20.15′ TO WEST EDGE OF PAVEMENT OF 56TH ST.
RM-2: NNE 28.6′ TO SW CORNER OF CONCRETE VAULT
RM-3: NE 73.85′ TO SOUTH FACE OF METAL SIGN BASE
RM-4: ENE 63.6′ TO WEST FACE OF METAL STOP SIGN BASE



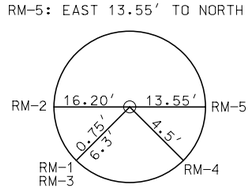
CP 10 – SET 1/2″ IRON BAR EAST OF INTERSECTION OF N 56TH ST. AND ROANRIDGE RD
N: 1103431.721
E: 2754844.799
ELEVATION: 858.41
℄ SURVEY STA. 901+87.71
OFFSET 155.96′ LT.

RM-1: NORTH 44.95′ TO SOUTH FACE OF METAL STOP SIGN POST
RM-2: NE 46.72′ TO SOUTH FACE OF METAL "DO NOT ENTER" SIGN POST
RM-3: SW 58.76′ TO NORTH FACE OF METAL SIGN POST



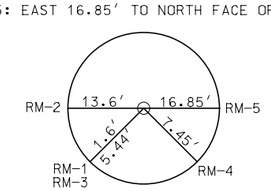
CP 11 – SET COTTON SPINDLE AT SOUTH END OF ASPHALT ISLAND AT INTERSECTION OF ROANRIDGE RD AND NB I-29 OFF RAMP TO 56TH STREET
N: 1103711.786
E: 2754616.783
ELEVATION: 879.18
℄ SURVEY STA. 898+32.47
OFFSET 218.11′ LT.

RM-1: SW 0.75′ TO EDGE OF PAVEMENT
RM-2: WEST 16.20′ TO NORTH FACE OF METAL FENCE POSTS
RM-3: SW 6.3′ TO NORTH FACE OF METAL FENCE POST
RM-4: SE 4.5′ TO NORTH FACE OF METAL FENCE POST
RM-5: EAST 13.55′ TO NORTH FACE OF METAL FENCE POST



CP 12 – SET COTTON SPINDLE IN SB LANE OF ROANRIDGE RD, +/-75′ SE OF CL OF N. LENOX AVE.
N: 1104034.046
E: 2754098.884
ELEVATION: 901.94
℄ SURVEY STA. 892+29.57
OFFSET 122.19′ LT.

RM-1: SW 1.6′ TO EDGE OF PAVEMENT
RM-2: WEST 13.6′ TO NORTH FACE OF METAL FENCE POST
RM-3: SW 5.44′ TO NORTH FACE OF METAL FENCE POST
RM-4: SE 7.45′ TO NORTH FACE OF METAL FENCE POST
RM-5: EAST 16.85′ TO NORTH FACE OF METAL FENCE POST



CP 13 – SET COTTON SPINDLE IN SB LANE OF ROANRIDGE RD, +/-500′ NE OF CL OF N. AVA TERRACE.
N: 1104683.165
E: 2753351.842
ELEVATION: 910.01
℄ SURVEY STA. 882+39.91
OFFSET 123.02′ LT.

REFERENCE POINTS
SHEET 1 OF 1

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	
7/19/2020	
ROUTE: I-29	STATE: MO
DISTRICT: KC	SHEET NO.: 9
COUNTY: PLATTE	
JOB NO.: J4I3291	
CONTRACT ID.: .	
PROJECT NO.: .	
BRIDGE NO.: .	

DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
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816-333-9400
Certificate of Authority No. : 000165
BMcD Project No. 109387

REV.

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COORDINATE POINT LISTING
MISSOURI COORDINATE SYSTEM OF 1983 (WEST ZONE)

SURVEYOR NOTES

1) PROJECT "GROUND" COORDINATES SHOWN HEREON ARE BASED ON THE MISSOURI STATE PLANE COORDINATE SYSTEM OF 1983, NAVD 88, WEST ZONE, USING THE MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION GLOBAL NAVIGATION SATELLITE REAL TIME NETWORK FOR BASE STATION. ALL COORDINATES ARE SHOWN IN U.S. SURVEY FEET UNLESS OTHERWISE NOTED. PROJECT INITIAL START DATE WAS JULY OF 2018.

CHECKED HORIZONTAL AND VERTICAL CONTROL STATIONS

PL-19 GRID METERS FROM MGRS DATA SHEET, DATE OF REPORT 2001
NORTHING 335873.535(m) / EASTING 840026.812(m) / ELEVATION 269.7(m)

PL-19 PROJECT COORDINATES CALCULATED FROM MGRS DATA SHEET
NORTHING 1102049.5626 / EASTING 2756249.2553 / ELEVATION 884.84

PL-19 MEASURED WITH TRIMBLE R8 RECIEVER
NORTHING 1102049.5359 / EASTING 2756249.3048 / ELEVATION 884.85

CL-14 GRID METERS FROM MGRS DATA SHEET, DATE OF REPORT 2003
NORTHING 337007.919(m) / EASTING 842215.255(m) / ELEVATION 280.9(m)

CL-14 PROJECT COORDINATES CALCULATED FROM MGRS DATA SHEET
NORTHING 1105771.6403 / EASTING 2763429.8528 / ELEVATION 921.57

CL-14 MEASURED WITH TRIMBLE R8 RECIEVER
NORTHING 1105771.6403 / EASTING 2763429.8833 / ELEVATION 921.60

PROJECTION FACTOR = 1.000094809
GRID FACTOR = 0.9999052
1 METER = 3.28083333 U.S. FEET
MGRS = MISSOURI GEOGRAPHIC REFERENCE STATION

			PROJECT (GROUND) COORDINATES		STATE PLANE COORDINATES		
SHEET NO.	POINT ID	STATION	NORTH	EAST	NORTH	EAST	DESCRIPTION
CL I-29 MEDIAN							
	Point 2	860+00.00	1106057.98	2751579.21	1106162.84	2751840.09	
	Point 3	904+73.95	1103126.35	2754958.82	1103230.93	2755220.02	
CL I-29 LT LN							
		904+73.95	1103150.52	2754979.79	1103255.12	2755240.99	P.C.
		911+52.12	1102706.14	2755492.08	1102810.69	2755753.32	P.I.
		918+24.00	1102154.45	2755886.47	1102258.94	2756147.75	P.T.
BL I-29 SB							
		904+65.07	1103120.30	2754953.58	1103224.89	2755214.78	P.C.
		910+19.52	1102756.99	2755372.41	1102861.54	2755633.65	P.I.
		915+60.65	1102264.44	2755626.98	1102368.94	2755888.24	P.T.
CL SURVEY 56TH							
	Point 7	21+45.00	1103342.08	2754809.78	1103446.69	2755070.96	
	Point 8	22+10.30	1103292.75	2754766.99	1103397.35	2755028.17	
	Point 9	23+60.20	1103179.52	2754668.77	1103284.11	2754929.93	
RAMP 7							
	Point 1	70.00.00	1103179.52	2754668.77	1103284.11	2754929.93	Point 1
		75+31.57	1102865.02	2755097.32	1102969.58	2755358.53	P.C.
		77+40.69	1102741.30	2755265.91	1102845.85	2755527.14	P.I.
		79+46.11	1102570.15	2755386.08	1102674.68	2755647.31	P.T.
			1101838.53	2754344.02	1101943.00	2754605.16	C.C.
BL 56 Ramp							
		10+00.00	1103407.00	2754720.62	1103511.60	2754981.80	P.C.
		10+98.09	1103471.23	2754646.50	1103575.85	2754907.66	P.I.
		11+90.30	1103566.05	2754621.38	1103670.67	2754882.54	P.T.
			1103647.55	2754929.08	1103752.19	2755190.27	C.C.
		11+90.30	1103566.05	2754621.38	1103670.67	2754882.54	P.C
		13+95.88	1103764.77	2754568.74	1103869.42	2754829.90	P.I.
		14+80.60	1103765.96	2754774.31	1103870.60	2755035.49	P.T.
			1103606.80	2754775.23	1103711.43	2755036.41	C.C.
		14+80.60	1103765.96	2754774.31	1103870.60	2755035.49	P.C.
		16+58.96	1103766.99	2754952.68	1103871.63	2755213.87	P.I.
		17+48.70	1103589.66	2754933.47	1103694.29	2755194.66	P.T.
			1103606.80	2754775.23	1103711.43	2755036.41	C.C.
		17+48.70	1103589.66	2754933.47	1103694.29	2755194.66	P.C.
		18+48.32	1103490.62	2754922.74	1103595.24	2755183.93	P.I.
		19+41.80	1103415.36	2754857.46	1103519.97	2755118.65	P.T.
			1103623.94	2754617.01	1103728.57	2754878.17	C.C.
REGION 2							
	Point 66	20+70.30	1103406.37	2754849.66	1103510.98	2755110.85	Point 66
	Point 11	21+45.00	1103349.94	2754800.71	1103454.55	2755061.89	Point 11
		896+50.00	1103666.25	2754336.41	1103770.89	2754597.55	BEGIN POINT
		907+75.00	1102905.06	2755176.37	1103009.63	2755437.59	END POINT

			PROJECT (GROUND) COORDINATES		STATE PLANE COORDINATES		
SHEET NO.	POINT ID	STATION	NORTH	EAST	NORTH	EAST	DESCRIPTION
TEMPORARY CONNECT 1							
		10+00.00	1103789.51	2754145.48	1103894.16	2754406.63	P.C.
		11+57.47	1103686.33	2754264.43	1103790.97	2754525.56	P.I.
		13+14.31	1103602.90	2754398.00	1103707.53	2754659.14	P.T.
		14+71.78	1103519.48	2754531.56	1103624.10	2754792.71	P.I.
		16+28.61	1103416.29	2754650.51	1103520.90	2754911.68	P.T.
TEMPORARY CONNECT 2							
		10+00.00	1103850.97	2754172.31	1103955.63	2754433.43	P.C.
		11+53.38	1103750.46	2754288.17	1103855.11	2754549.30	P.I.
		13+06.17	1103633.55	2754387.46	1103738.18	2754648.60	P.T.
		14+59.55	1103516.65	2754486.75	1103621.27	2754747.90	P.I.
		16+12.34	1103416.14	2754602.61	1103520.75	2754863.77	P.T.
TEMPORARY CONNECT 3							
		10+00.00	1103276.11	2754812.12	1103380.71	2755073.30	P.C.
		11+38.08	1103185.63	2754916.42	1103290.22	2755177.61	P.I.
		12+75.72	1103081.75	2755007.39	1103186.33	2755268.59	P.T.
	POINT B1001	16+05.92	1102833.33	2755224.93	1102937.89	2755486.15	POINT B1001
TEMPORARY CONNECT 4							
		10+00.00	1103203.17	2754848.14	1103307.76	2755109.32	P.C.
		11+19.81	1103124.66	2754938.64	1103229.25	2755199.83	P.I.
		12+39.33	1103057.45	2755037.82	1103162.03	2755299.02	P.T.
		14+65.63	1102930.50	2755225.15	1103035.07	2755486.37	P.I.
		16+90.03	1102765.10	2755379.61	1102869.65	2755640.85	P.T.

COORDINATE POINTS SHEET
SHEET 1 OF 1

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	
7/19/2020	
ROUTE: I-29	STATE: MO
DISTRICT: KC	SHEET NO.: 1.0
COUNTY: PLATTE	
JOB NO.: J4I3291	
CONTRACT ID.: .	
PROJECT NO.: .	
BRIDGE NO.: .	

DESCRIPTION	DATE
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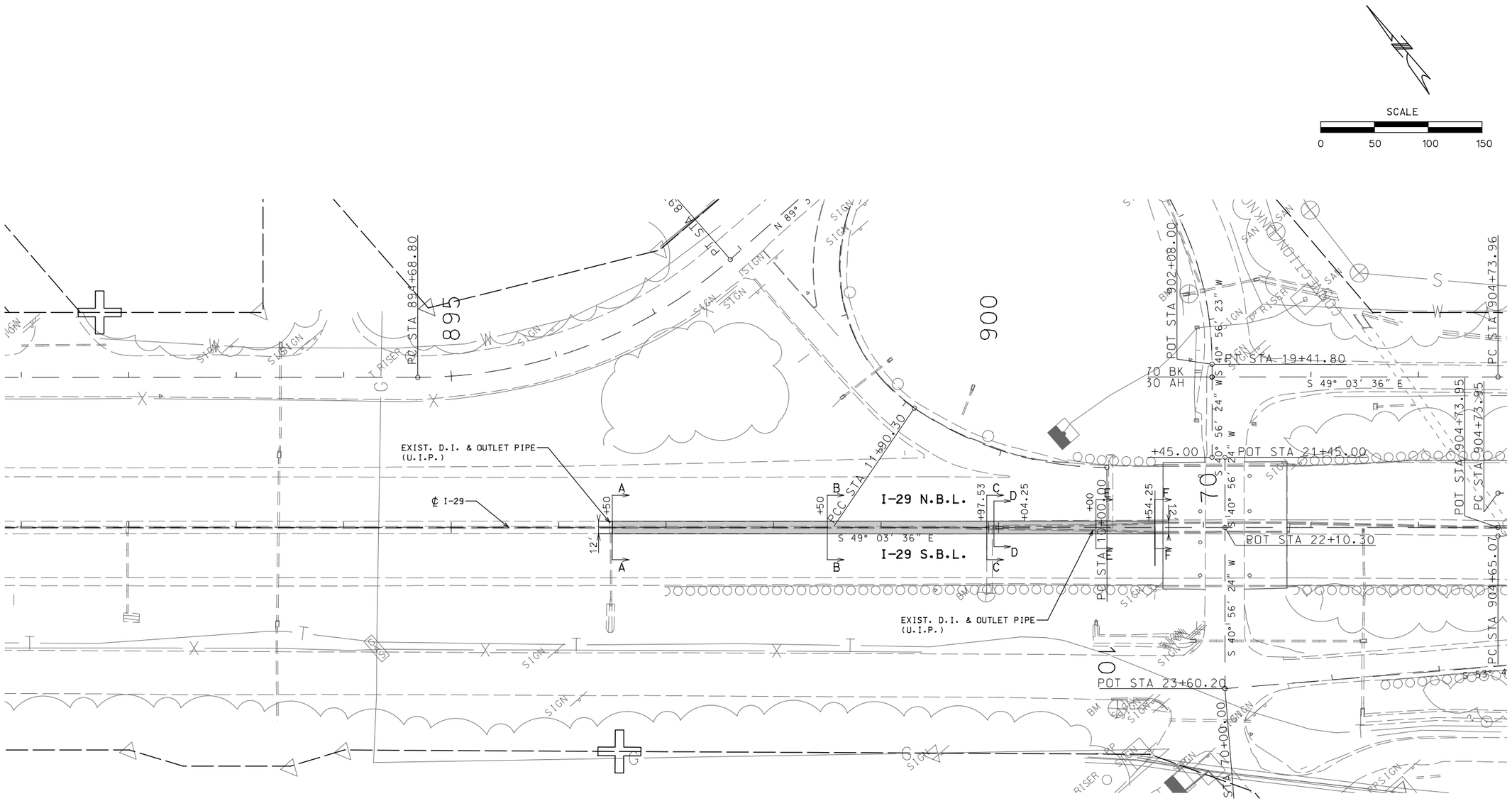
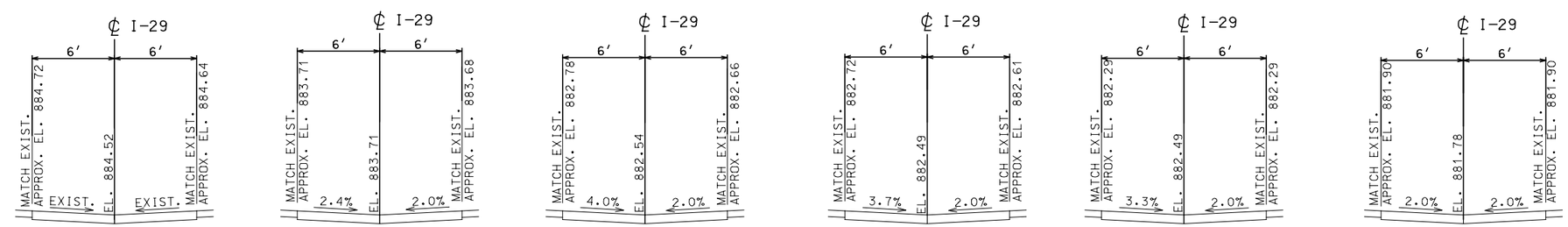
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority
No. : 000165
BMcD Project No. 109387

REV.





SPECIAL SHEETS
NORTH CROSSOVER
SHEET 1 OF 6

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	
7/19/2020	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
KC	1.1
COUNTY	
PLATTE	
JOB NO.	
J4I3291	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

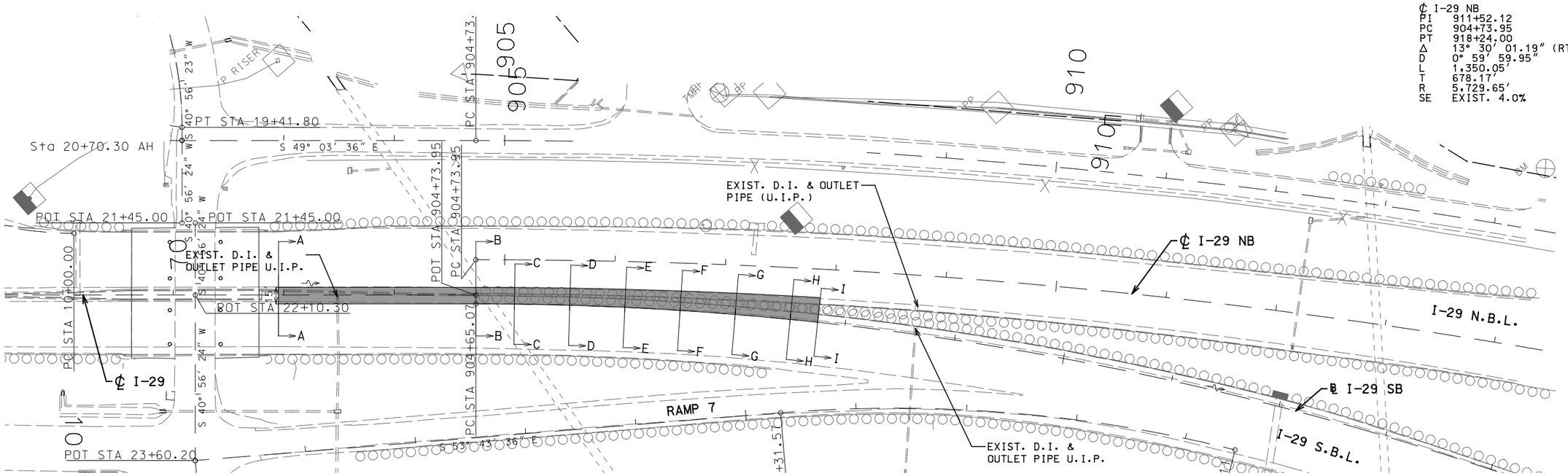
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

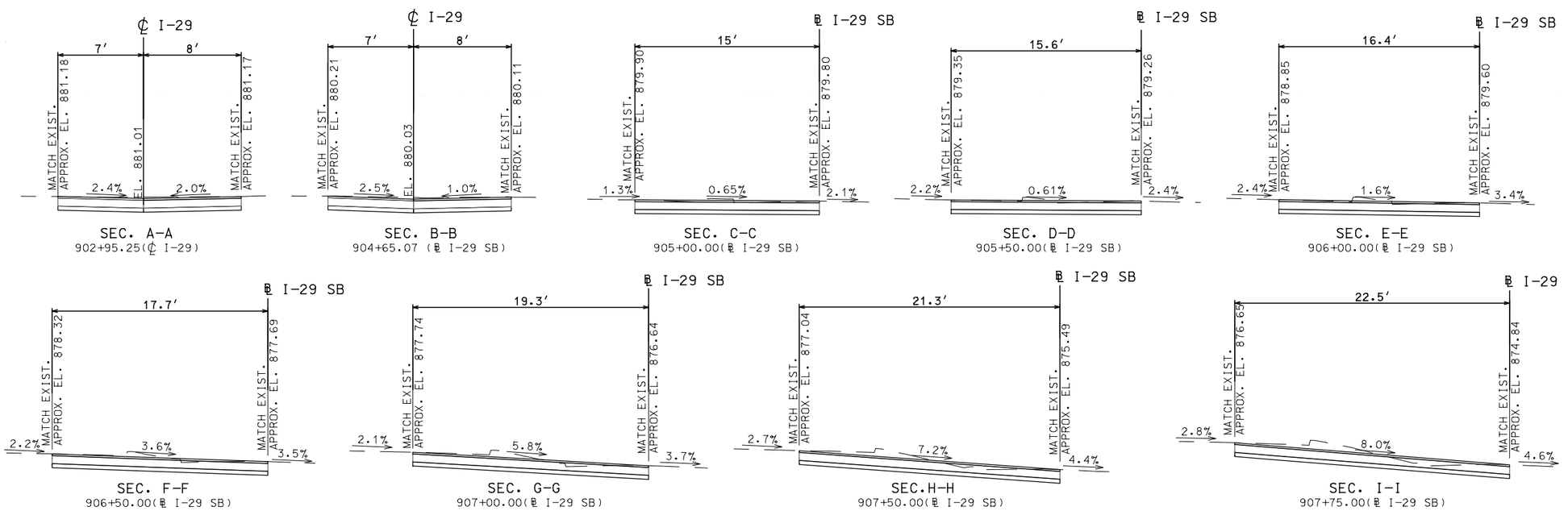
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority
No. : 000165
BMcD Project No. 109387

REV.

\\bmcd\dfs\Clients\TRN\MODOT\109387_I29Bridges\Design\CADD\Road_Sheets\J413291_56th St\xxx_SS_01_J413291_I50.dgn 5:32:39 PM 7/19/2020



℄ I-29 SB
PI 910+19.52
PC 904+65.07
PT 915+60.65
Δ 21° 43′ 42.6″ (RT)
D 1° 58′ 59.8″
L 1,095.58′
T 554.45′
R 2,888.93′
SE EXIST. 5.0%



SPECIAL SHEETS
SOUTH CROSSOVER
SHEET 2 OF 6

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	
7/19/2020	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
KC	1-2
COUNTY	
PLATTE	
JOB NO.	
J4I3291	
CONTRACT ID.	
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PROJECT NO.	
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BRIDGE NO.	
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DATE	DESCRIPTION
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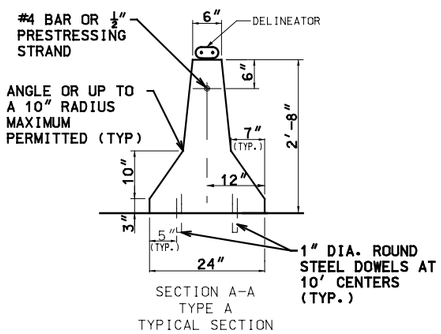
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

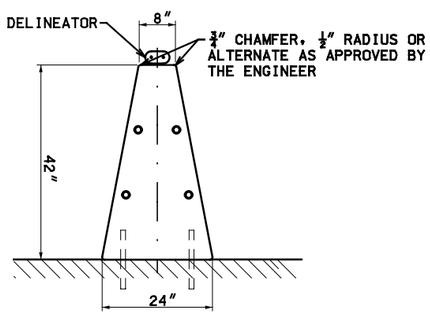
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority No.: 000165
BMcD Project No. 109387

REV.

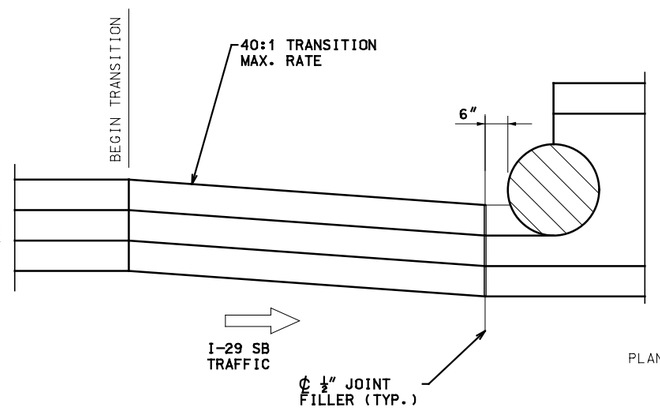
\\bmcd\dfs\Clients\TRN\MODOT\109387_I29Bridges\Design\CADD\Road_Sheets\J413291_56th St\xxx_SS_02_J413291_I50.dgn 5:32:42 PM 7/19/2020

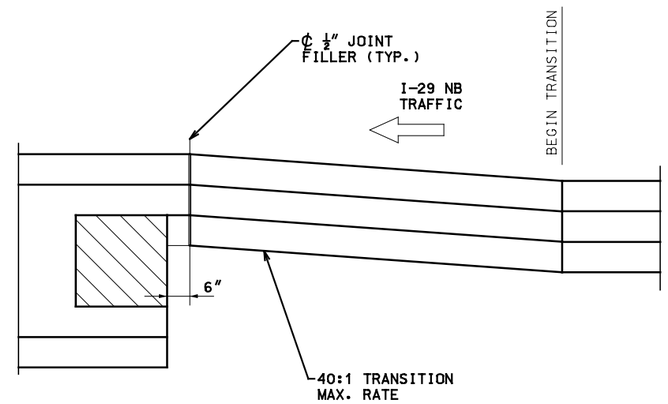


SECTION A-A
TYPE A
TYPICAL SECTION

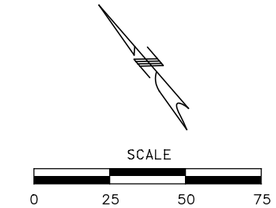


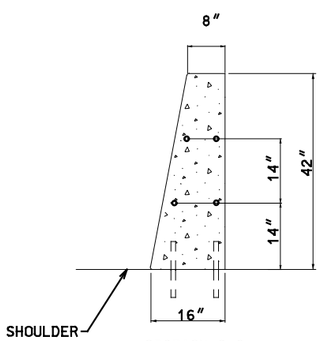
SECTION B-B
TYPE C
TYPICAL SECTION



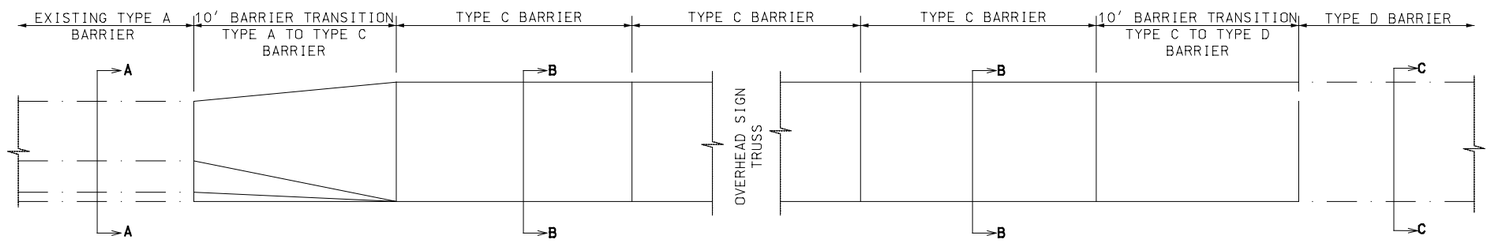


PLAN VIEW

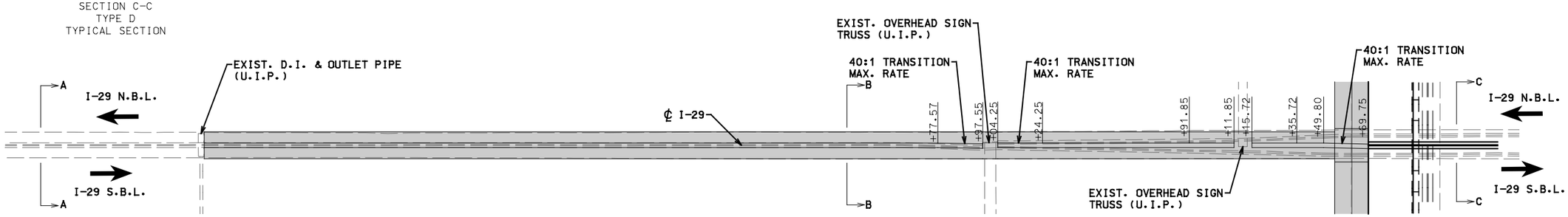




SECTION C-C
TYPE D
TYPICAL SECTION



FRONT VIEW



NOTE: WITH APPROVAL OF THE ENGINEER, THE CONTRACTOR SHALL ADJUST THE TAPER OF THE CONCRETE BARRIER TO ALLIGN FLUSH WITH OVERHEAD SIGN TRUSS.

SPECIAL SHEETS
BARRIER TRANSITION DETAIL
SHEET 3 OF 6

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	1.3
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

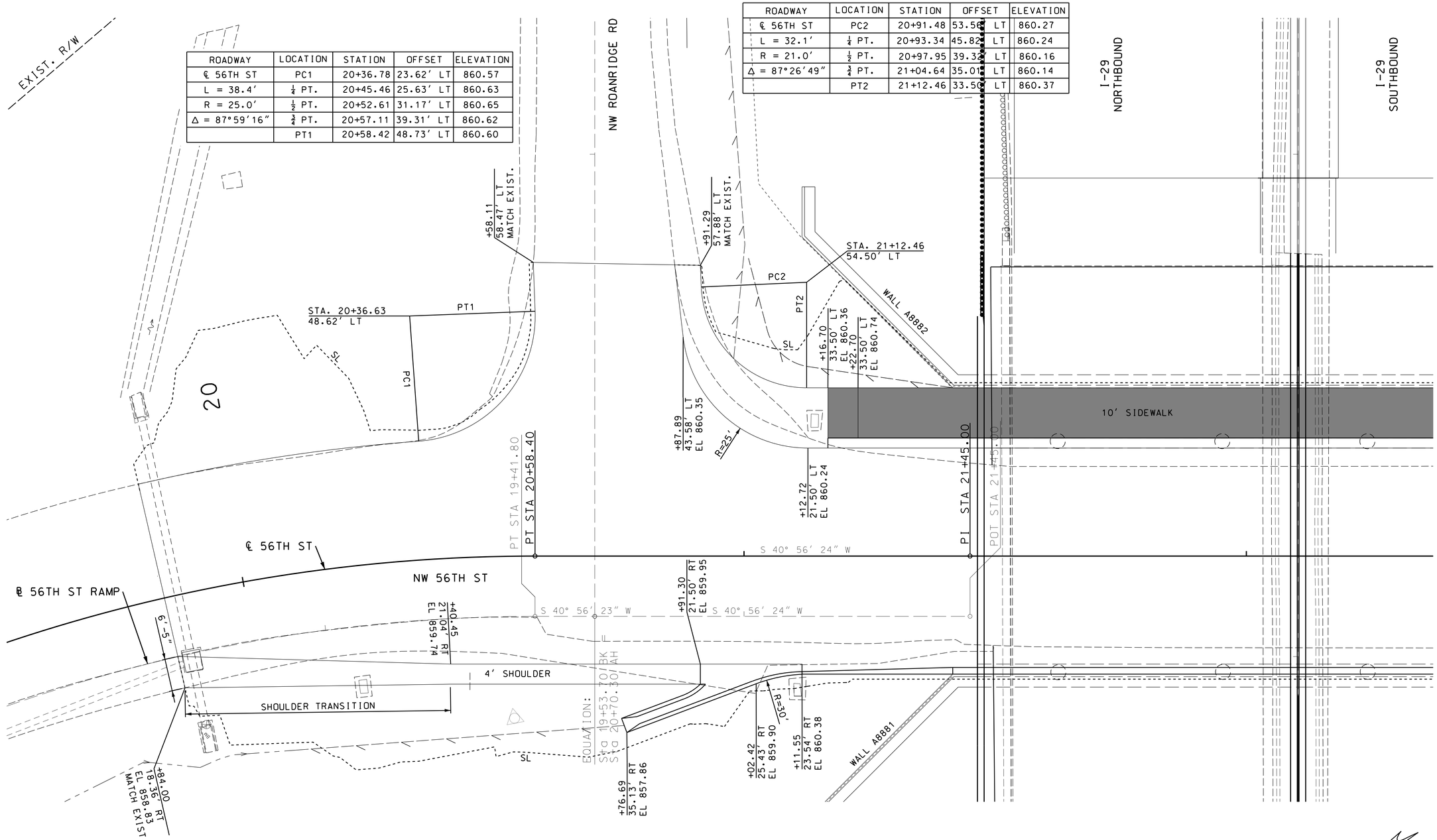
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority No. : 000165
BMcD Project No. 109387

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.

ROADWAY	LOCATION	STATION	OFFSET	ELEVATION
℄ 56TH ST	PC1	20+36.78	23.62' LT	860.57
L = 38.4'	¼ PT.	20+45.46	25.63' LT	860.63
R = 25.0'	½ PT.	20+52.61	31.17' LT	860.65
Δ = 87°59'16"	¾ PT.	20+57.11	39.31' LT	860.62
	PT1	20+58.42	48.73' LT	860.60

ROADWAY	LOCATION	STATION	OFFSET	ELEVATION
℄ 56TH ST	PC2	20+91.48	53.56' LT	860.27
L = 32.1'	¼ PT.	20+93.34	45.82' LT	860.24
R = 21.0'	½ PT.	20+97.95	39.32' LT	860.16
Δ = 87°26'49"	¾ PT.	21+04.64	35.01' LT	860.14
	PT2	21+12.46	33.50' LT	860.37



LEGEND

SIDEWALK

RAMPS

SCALE

0 10 20 30

SPECIAL SHEET
GEOMETRIC DETAILS
56TH STREET
SHEET 4 OF 6

DATE PREPARED
6/26/2020

ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
KC	14

COUNTY
PLATTE

JOB NO.
J4I3291

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4675
Fax (816) 874-4675
www.trekkdesigngroup.com

Missouri Cert. of Authority 2002010300

TREKK DESIGN GROUP, LLC

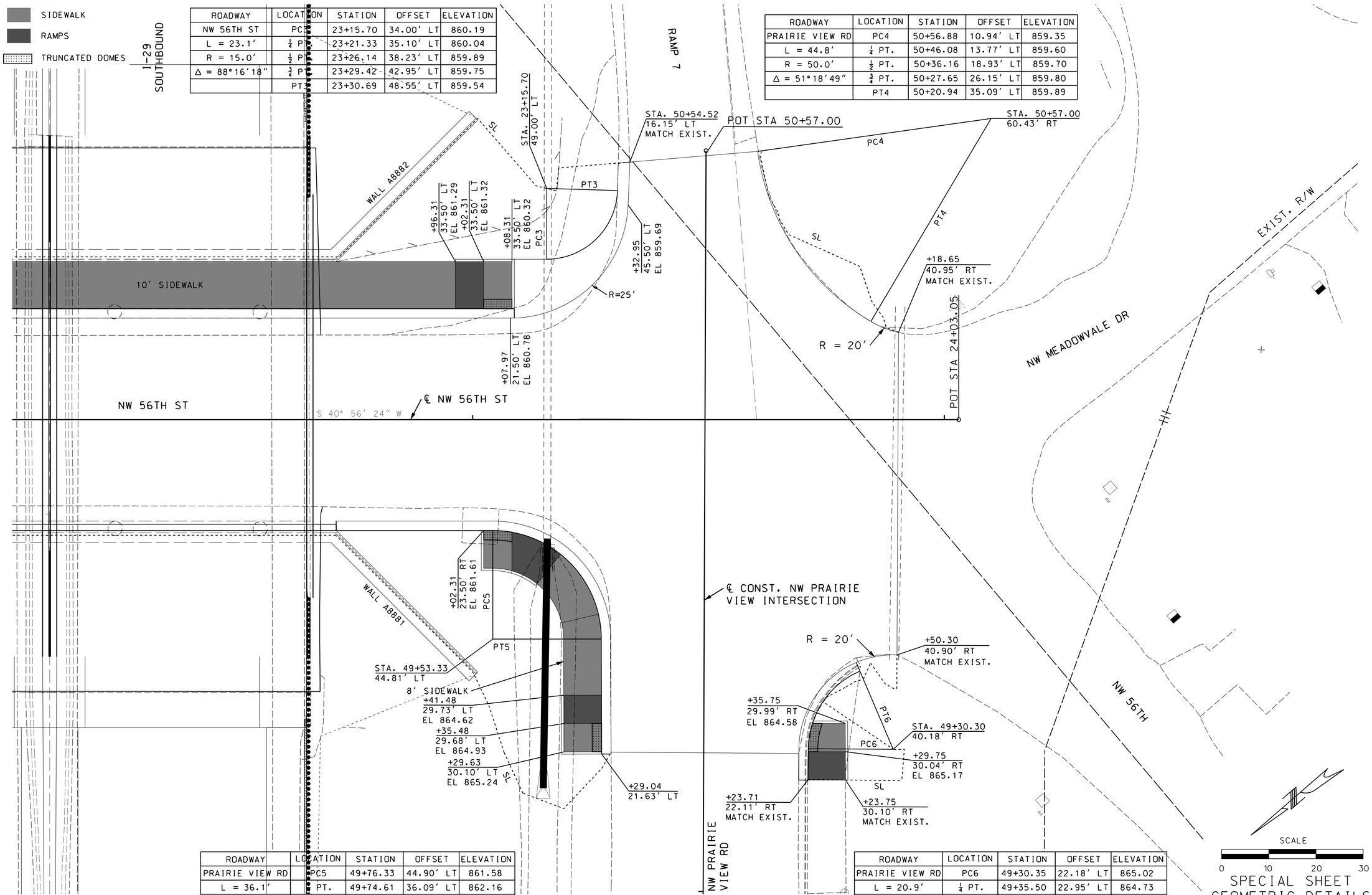
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

LEGEND

- SIDEWALK
- RAMPS
- TRUNCATED DOMES

ROADWAY	LOCATION	STATION	OFFSET	ELEVATION
NW 56TH ST	PC3	23+15.70	34.00' LT	860.19
L = 23.1'	¼ PT.	23+21.33	35.10' LT	860.04
R = 15.0'	½ PT.	23+26.14	38.23' LT	859.89
Δ = 88°16'18"	¾ PT.	23+29.42	42.95' LT	859.75
	PT3	23+30.69	48.55' LT	859.54

ROADWAY	LOCATION	STATION	OFFSET	ELEVATION
PRAIRIE VIEW RD	PC4	50+56.88	10.94' LT	859.35
L = 44.8'	¼ PT.	50+46.08	13.77' LT	859.60
R = 50.0'	½ PT.	50+36.16	18.93' LT	859.70
Δ = 51°18'49"	¾ PT.	50+27.65	26.15' LT	859.80
	PT4	50+20.94	35.09' LT	859.89



ROADWAY	LOCATION	STATION	OFFSET	ELEVATION
PRAIRIE VIEW RD	PC5	49+76.33	44.90' LT	861.58
L = 36.1'	¼ PT.	49+74.61	36.09' LT	862.16
R = 23.0'	½ PT.	49+69.65	28.61' LT	862.74
Δ = 90°00'00"	¾ PT.	49+62.21	23.59' LT	863.33
	PT5	49+53.41	21.81' LT	863.89

ROADWAY	LOCATION	STATION	OFFSET	ELEVATION
PRAIRIE VIEW RD	PC6	49+30.35	22.18' LT	865.02
L = 20.9'	¼ PT.	49+35.50	22.95' LT	864.73
R = 18.0'	½ PT.	49+40.21	25.16' LT	864.37
Δ = 66°31'41"	¾ PT.	49+44.10	28.63' LT	864.01
	PT6	49+46.83	33.06' LT	863.65

SPECIAL SHEET
GEOMETRIC DETAILS
56TH STREET
SHEET 5 OF 6

DATE PREPARED 6/26/2020
ROUTE I-29 | STATE MO
DISTRICT KC | SHEET NO. 15
COUNTY PLATTE
JOB NO. J4I3291
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TREKK DESIGN GROUP, LLC
1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekkdesigngroup.com
Missouri Cert. of Authority 2002010300

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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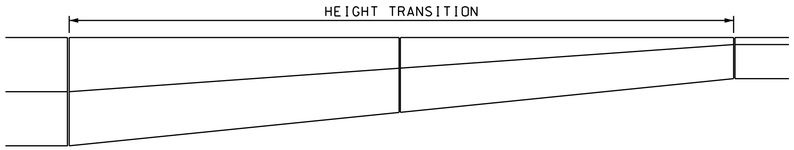
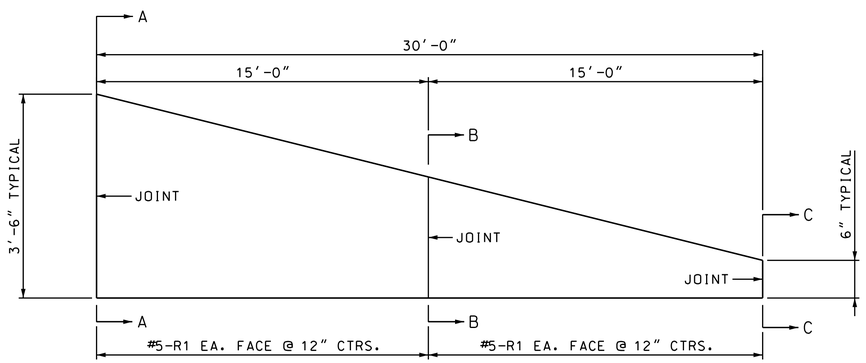
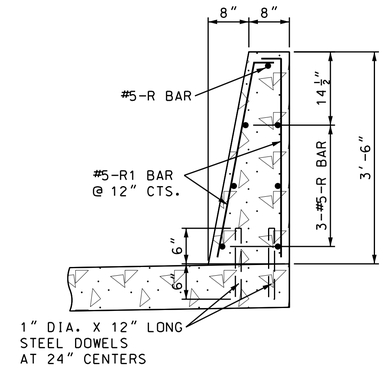


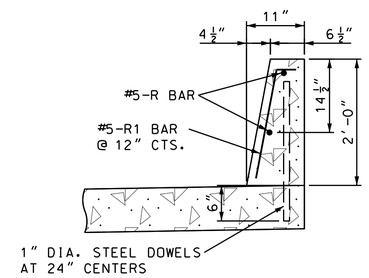
PLAN



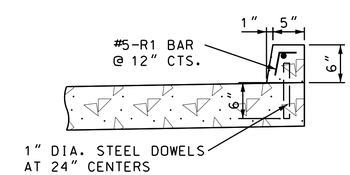
ELEVATION
BARRIER HEIGHT TRANSITION



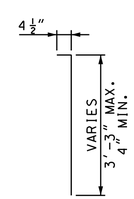
SECTION A-A



SECTION B-B



SECTION C-C



#5 R1

NOTES:

ALL TOP AND END EDGES SHALL BE CHAMFERED $\frac{3}{4}$ INCH.

EXPANSION JOINTS SHALL BE PROVIDED IN THE BARRIER TO MATCH EXPANSION JOINTS IN PAVEMENT.

FOR DELINEATOR DETAILS, SEE SHEET NUMBER 1 OF MISSOURI STANDARD PLAN 903.03. DELINEATORS SHALL BE PLACED AS DEFINED IN THE JOB SPECIAL PROVISIONS.

MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 1 $\frac{1}{2}$", UNLESS OTHERWISE SHOWN.

SPECIAL SHEET
PERMANENT BARRIER
HEIGHT TRANSITION
56TH STREET
SHEET 6 OF 6

DATE PREPARED	6/26/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	16
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

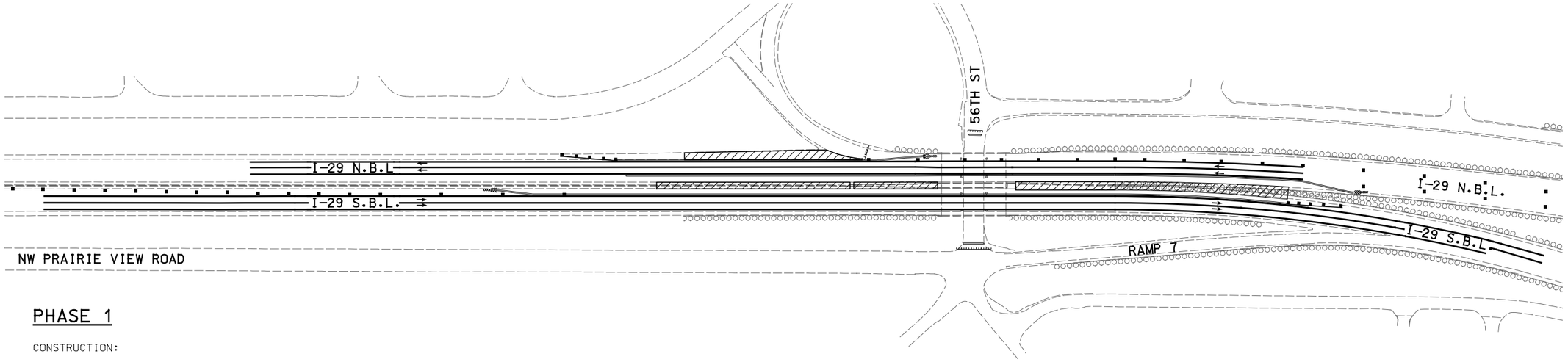
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekdesigngroup.com

Missouri Cert. of Authority 2002010300

TREK DESIGN GROUP, LLC



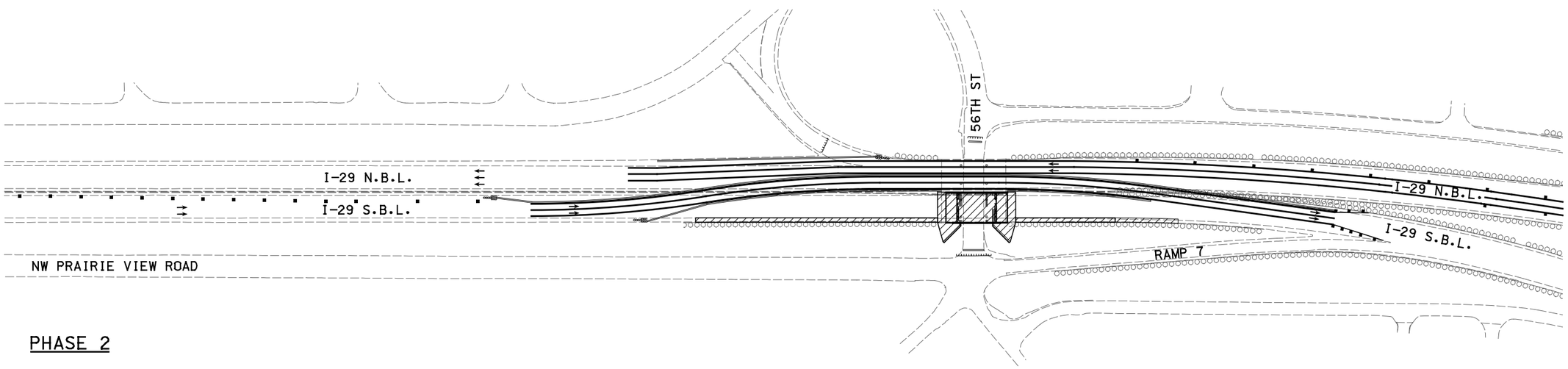
PHASE 1

CONSTRUCTION:

1. CONSTRUCT NORTH & SOUTH MEDIAN CROSSOVER
2. CONSTRUCT IMPROVEMENTS ALONG NB OUTSIDE SHOULDER

TRAFFIC:

1. CLOSE INSIDE LANES AND SHOULDER & MAINTAIN TRAFFIC ON THE TWO OUTSIDE NB & SB LANES
2. CLOSE RTE A TO I-29 NB RAMP
3. CLOSE I-635 NB TO I-29 NB RAMP
4. CLOSE 56TH RAMP & 56TH ST UNDER BRIDGE



PHASE 2

CONSTRUCTION:

1. CONSTRUCT SB BRIDGE
2. CONSTRUCT SB SHOULDER IMPROVEMENTS

TRAFFIC:

1. MAINTAIN TRAFFIC ON NB LANES
2. LANES OF NB & SB TRAFFIC ON NB LANES
3. MAINTAIL CLOSURE FROM PHASE 1

LEGEND

CONSTRUCTION AREA

SCALE

0 100 200 300 400 500

I-29 OVER 56TH STREET TRAFFIC CONTROL SHEET PHASING PLAN SHEET 1 OF 3

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	17
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.

9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

Certificate of Authority
No. : 000165

BMcD Project No. 109387

REV.

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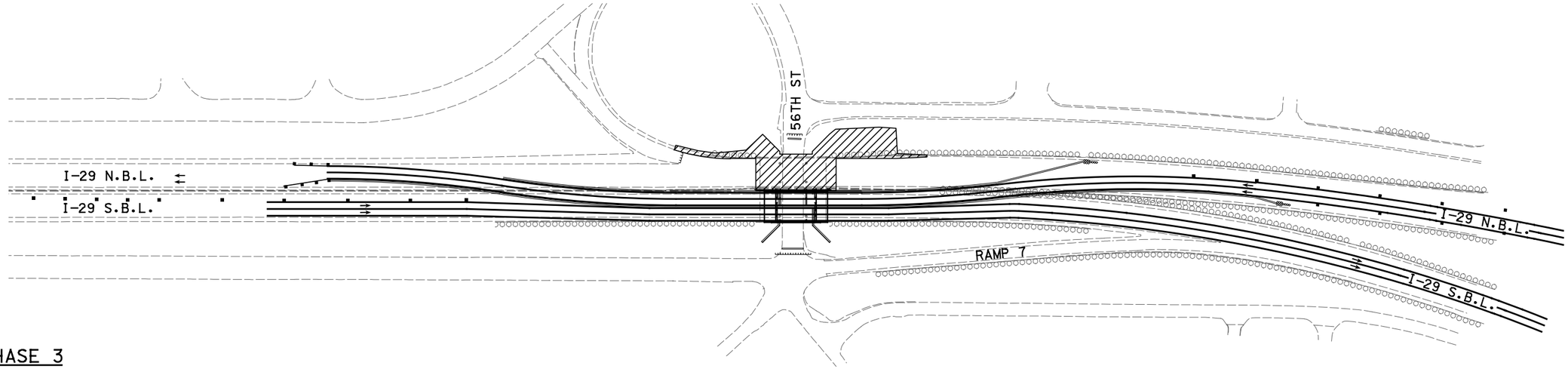


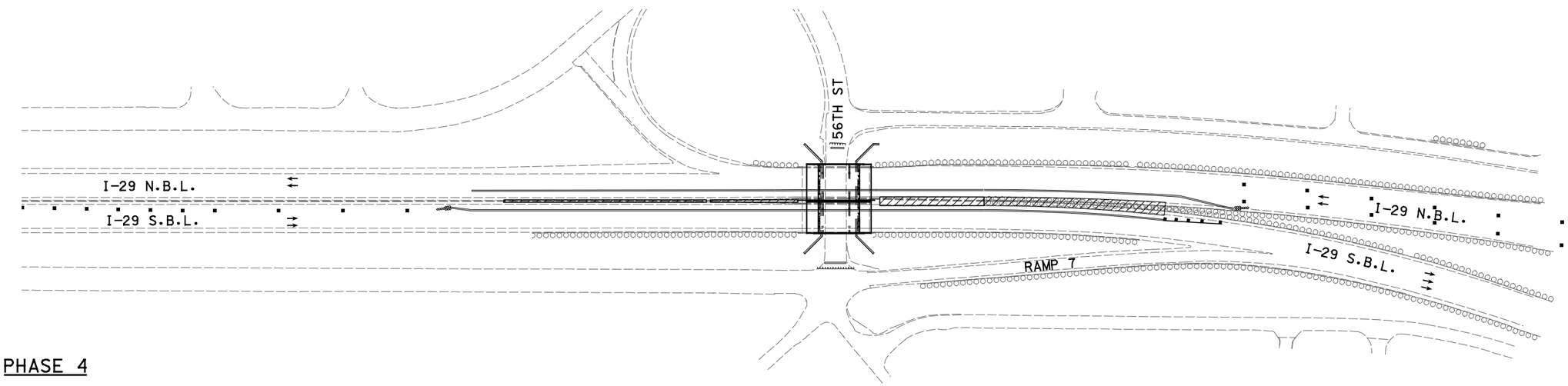
PHASE 3

CONSTRUCTION:

1. CONSTRUCT NB BRIDGE AND NB OUTSIDE SHOULDER

TRAFFIC:

1. MAINTAIN TRAFFIC ON SB LANES
2. LANES OF NB & SB TRAFFIC ON SB LANES
3. MAINTAIN CLOSURE FROM PHASE 1



PHASE 4

CONSTRUCTION:

1. DEMO SOUTH CROSSOVER AND CONSTRUCT INSIDE SHOULDERS
2. INSTALL MEDIAN BARRIER

TRAFFIC:

1. CLOSE INSIDE LANES AND SHOULDER & MAINTAIN TRAFFIC ON THE TWO OUTSIDE NB & SB LANES
2. MAINTAIN CLOSURE FROM PHASE 1

LEGEND

CONSTRUCTION AREA

SCALE

0 100 200 300 400 500

I-29 OVER 56TH STREET
TRAFFIC CONTROL SHEET
PHASING PLAN
SHEET 2 OF 3

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	
7/19/2020	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
KC	1.8
COUNTY	
PLATTE	
JOB NO.	
J4I3291	
CONTRACT ID.	
.	
PROJECT NO.	
.	
BRIDGE NO.	
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DATE	DESCRIPTION
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority No. : 000165
BMcD Project No. 109387

REV.

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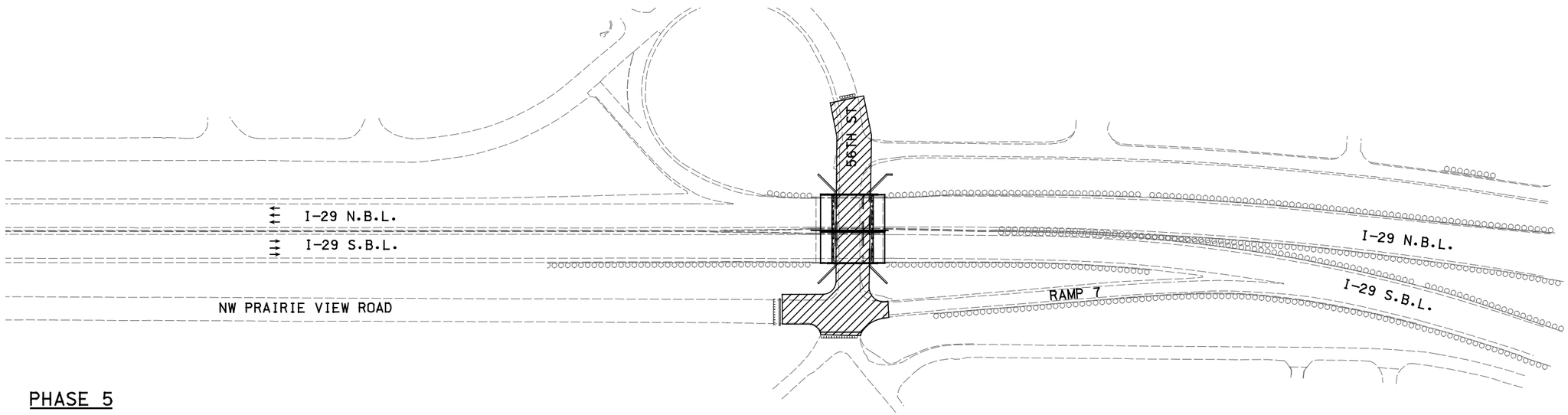

PHASE 5

CONSTRUCTION:

1. CONSTRUCT 56TH ST. AND CONNECTING WITH NW. PRAIRIE VIEW ROAD, RAMP 7, AND NW ROANRIDGE RD

TRAFFIC:

1. I-29 FULLY OPEN TO TRAFFIC
2. RAMP 7 CLOSURE...
3. OTHER RAMPS/DETOURS IN PREVIOUS PHASES REMOVED?

LEGEND

CONSTRUCTION AREA

SCALE

0 100 200 300 400 500

I-29 OVER 56TH STREET
TRAFFIC CONTROL SHEET
PHASING PLAN
SHEET 3 OF 3

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	1.9
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
.	.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority
No. : 000165
BMcD Project No. 109387

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REV.

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NOTES:
1. SUGGESTED MESSAGE FOR CHANGEABLE MESSAGE BOARD:
"RTE A CLOSED AT I-29 - FOLLOW DETOUR"

2. DETOUR SHALL BE IN PLACE DURING PHASES 1 THRU 4.

3. ALL CHANGABLE MESSABLE SIGNS SHALL BE CONTRACTOR FURNSHED AND CONTRACTOR RETAINED.

W020-2

18

M04-8a

52

NOT TO SCALE

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA

RAMP RTE. A TO I-29 NB
OVER RAMP I-29
TRAFFIC CONTROL SHEET
DETOUR
SHEET 1 OF 7

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	20
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority
No. : 000165
BMcD Project No. 109387

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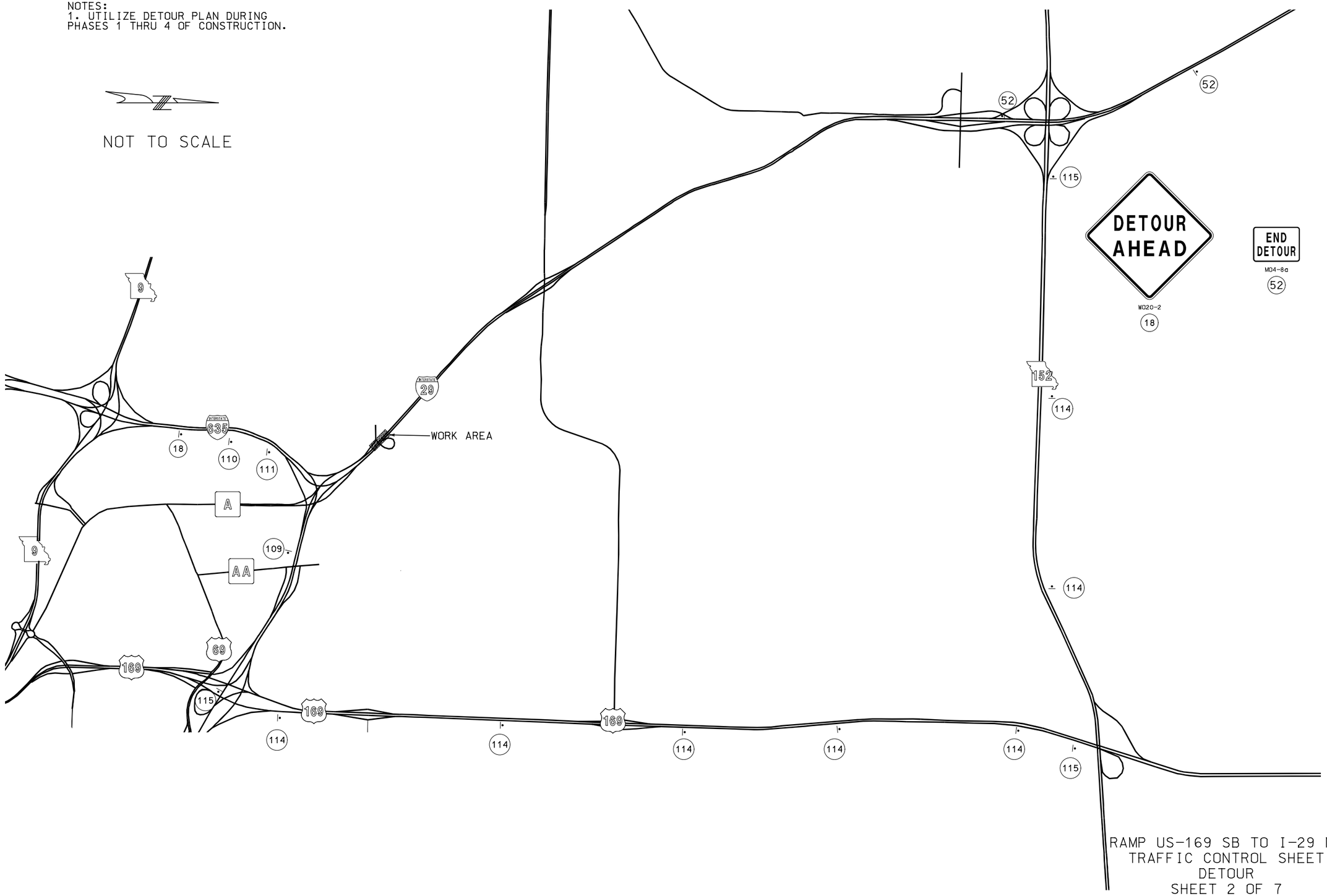
NOTES:
1. UTILIZE DETOUR PLAN DURING PHASES 1 THRU 4 OF CONSTRUCTION.

NOT TO SCALE



RAMP US-169 SB TO I-29 NB
TRAFFIC CONTROL SHEET
DETOUR
SHEET 2 OF 7

Professional Engineer
Michael W. Carroll
E-27823

DATE PREPARED	
7/19/2020	
ROUTE	STATE MO
DISTRICT KC	SHEET NO. 21
COUNTY PLATTE	
JOB NO. J413291	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority
No. : 000165
BMcD Project No. 91750

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SIGN DETAIL
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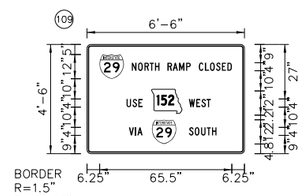

Panel Style: construction_guide.ssi
M.U.T.C.D.: 2009 Edition

Panel Style: construction_guide.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	name	
WIDTH x HGHT.	6'-6" x 4'-6"	
BORDER WIDTH	0.63"	
CORNER RADIUS	1.5"	
MOUNTING	Overhead	
BACKGROUND	TYPE:	Reflective
	COLOR:	Orange
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	Black/Black

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	6.2	37	12	12
SR_1_3	0	31.5	19	15	12
M1_1	0	32.2	4.8	12	12

LETTER POSITIONS (X)

																					LENGTH	SERIES/SIZE
N	O	R	T	H		R	A	M	P		C	L	O	S	E	D						C 2000
22.2	25.3	28.4	31	33.6	35.9	39.9	42.5	45.6	49.1	51.4	55.4	58.4	60.9	63.9	66.8	69.5					49.5	4
U	S	E																				C 2000
19.6	22.5	25.5																			7.9	4
W	E	S	T																			C 2000
50.5	54.1	56.6	59.2																		10.8	4
V	I	A																				C 2000
20.8	23.8	24.9																			6.7	4
S	O	U	T	H																		C 2000
50.5	53.3	56.5	59.3	61.9																	13.6	4

I-29 OVER 56TH ST.
DETOUR
SIGN DETAILS
SHEET 3 OF 7

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED 7/19/2020
ROUTE I-29 | STATE MO
DISTRICT KC | SHEET NO. 22
COUNTY PLATTE
JOB NO. J4I3291
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

DATE	DESCRIPTION
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority
No. : 000165
BMcD Project No. 109387

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SIGN DETAIL
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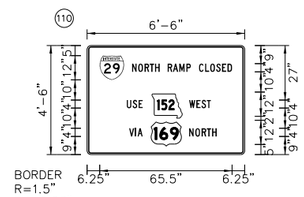

Panel Style: construction_guide.ssi
M.U.T.C.D.: 2009 Edition

Panel Style: construction_guide.ssi
Dimensions are In Inches,tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	name	
WIDTH x HGHT.	6'-6" x 4'-6"	
BORDER WIDTH	0.63"	
CORNER RADIUS	1.5"	
MOUNTING	Overhead	
BACKGROUND	TYPE:	Reflective
	COLOR:	Orange
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	Black/Black

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	6.2	37	12	12
SR_1_3	0	31.5	19	15	12
M1_4	0	31.5	5	15	12

LETTER POSITIONS (X)

																						LENGTH	SERIES/SIZE
N	O	R	T	H		R	A	M	P		C	L	O	S	E	D							C 2000
22.2	25.3	28.4	31	33.6	35.9	39.9	42.5	45.6	49.1	51.4	55.4	58.4	60.9	63.9	66.8	69.5						49.5	4
U	S	E																					C 2000
19.6	22.5	25.5																				7.9	4
W	E	S	T																				C 2000
50.5	54.1	56.6	59.2																			10.8	4
V	I	A																					C 2000
20.8	23.8	24.9																				6.7	4
N	O	R	T	H																			C 2000
50.5	53.5	56.7	59.3	61.9																		13.6	4

I-29 OVER 56TH ST.
DETOUR
SIGN DETAILS
SHEET 4 OF 7

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	
7/19/2020	
ROUTE: I-29	STATE: MO
DISTRICT: KC	SHEET NO.: 23
COUNTY: PLATTE	
JOB NO.: J4I3291	
CONTRACT ID.: .	
PROJECT NO.: .	
BRIDGE NO.: .	

DATE	DESCRIPTION
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority
No. : 000165
BMcD Project No. 109387

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SIGN DETAIL
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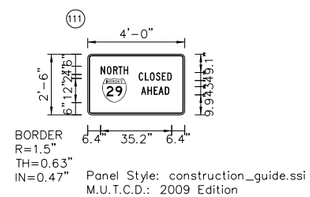

Panel Style: construction_guide.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	name	
WIDTH x HGHT.	4'-0" x 2'-6"	
BORDER WIDTH	0.63"	
CORNER RADIUS	1.5"	
MOUNTING	Overhead	
BACKGROUND	TYPE:	Reflective
	COLOR:	Orange
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	Black/Black

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	7.2	6	12	12

Panel Style: construction_guide.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																				LENGTH	SERIES/SIZE
N	O	R	T	H																	C 2000
6.4	9.4	12.6	15.2	17.8																13.6	4
C	L	O	S	E	D																C 2000
25.2	28.3	30.8	33.7	36.7	39.4															16.4	4
A	H	E	A	D																	C 2000
26.4	29.5	32.7	35.1	38.2																14	4

I-29 OVER 56TH ST.
DETOUR
SIGN DETAILS
SHEET 5 OF 7

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	
7/19/2020	
ROUTE: I-29	STATE: MO
DISTRICT: KC	SHEET NO.: 2-4
COUNTY: PLATTE	
JOB NO.: J4I3291	
CONTRACT ID.: .	
PROJECT NO.: .	
BRIDGE NO.: .	

DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
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816-333-9400
Certificate of Authority
No. : 000165
BMcD Project No. 109387

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SIGN DETAIL
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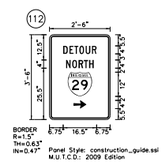


SIGN NUMBER	name
WIDTH x HGHT.	2'-6" x 3'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.5"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Orange
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	9	11.5	12	12
AR_Type A	270	11.8	5.5	4	6.3

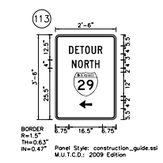
Panel Style: construction_guide.ssi
Dimensions are In Inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

D	E	T	O	U	R															LENGTH	SERIES/SIZE
																					C 2000
6.8	9.8	12.2	14.7	17.9	21															16.5	4
N	O	R	T	H																	C 2000
8.2	11.2	14.4	17	19.6																13.6	4

SIGN DETAIL
1:40



SIGN NUMBER	name
WIDTH x HGHT.	2'-6" x 3'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.5"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Orange
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	9	11.5	12	12
AR_Type A	90	11.8	5.5	4	6.3

Panel Style: construction_guide.ssi
Dimensions are In Inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

D	E	T	O	U	R															LENGTH	SERIES/SIZE
																					C 2000
6.8	9.8	12.2	14.7	17.9	21															16.5	4
N	O	R	T	H																	C 2000
8.2	11.2	14.4	17	19.6																13.6	4

I-29 OVER 56TH ST.
DETOUR
SIGN DETAILS
SHEET 6 OF 7

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	25
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DESCRIPTION	DATE
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority
No. : 000165
BMcD Project No. 109387

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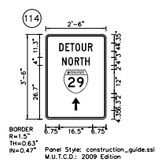
SIGN DETAIL
1:40



SIGN NUMBER	name	
WIDTH x HGHT.	2'-6" x 3'-6"	
BORDER WIDTH	0.63"	
CORNER RADIUS	1.5"	
MOUNTING	Overhead	
BACKGROUND	TYPE:	Reflective
	COLOR:	Orange
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	Black/Black

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	9	12.7	12	12
AR_Type A	0	13	4.3	4	6.3

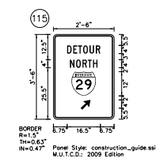
Panel Style: construction_guide.ssi
Dimensions are in Inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																						LENGTH	SERIES/SIZE
D	E	T	O	U	R																		C 2000
6.8	9.8	12.2	14.7	17.9	21																	16.5	4
N	O	R	T	H																			C 2000
8.2	11.2	14.4	17	19.6																		13.6	4

SIGN DETAIL
1:40



SIGN NUMBER	name	
WIDTH x HGHT.	2'-6" x 3'-6"	
BORDER WIDTH	0.63"	
CORNER RADIUS	1.5"	
MOUNTING	Overhead	
BACKGROUND	TYPE:	Reflective
	COLOR:	Orange
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	Black/Black

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	9	11.5	12	12
AR_Type A	90	11.8	5.5	4	6.3

Panel Style: construction_guide.ssi
Dimensions are in Inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																						LENGTH	SERIES/SIZE
D	E	T	O	U	R																		C 2000
6.8	9.8	12.2	14.7	17.9	21																	16.5	4
N	O	R	T	H																			C 2000
8.2	11.2	14.4	17	19.6																		13.6	4

I-29 OVER 56TH ST.
DETOUR
SIGN DETAILS
SHEET 7 OF 7

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	
7/19/2020	
ROUTE: I-29	STATE: MO
DISTRICT: KC	SHEET NO.: 26
COUNTY: PLATTE	
JOB NO.: J4I3291	
CONTRACT ID.: .	
PROJECT NO.: .	
BRIDGE NO.: .	

DESCRIPTION	DATE
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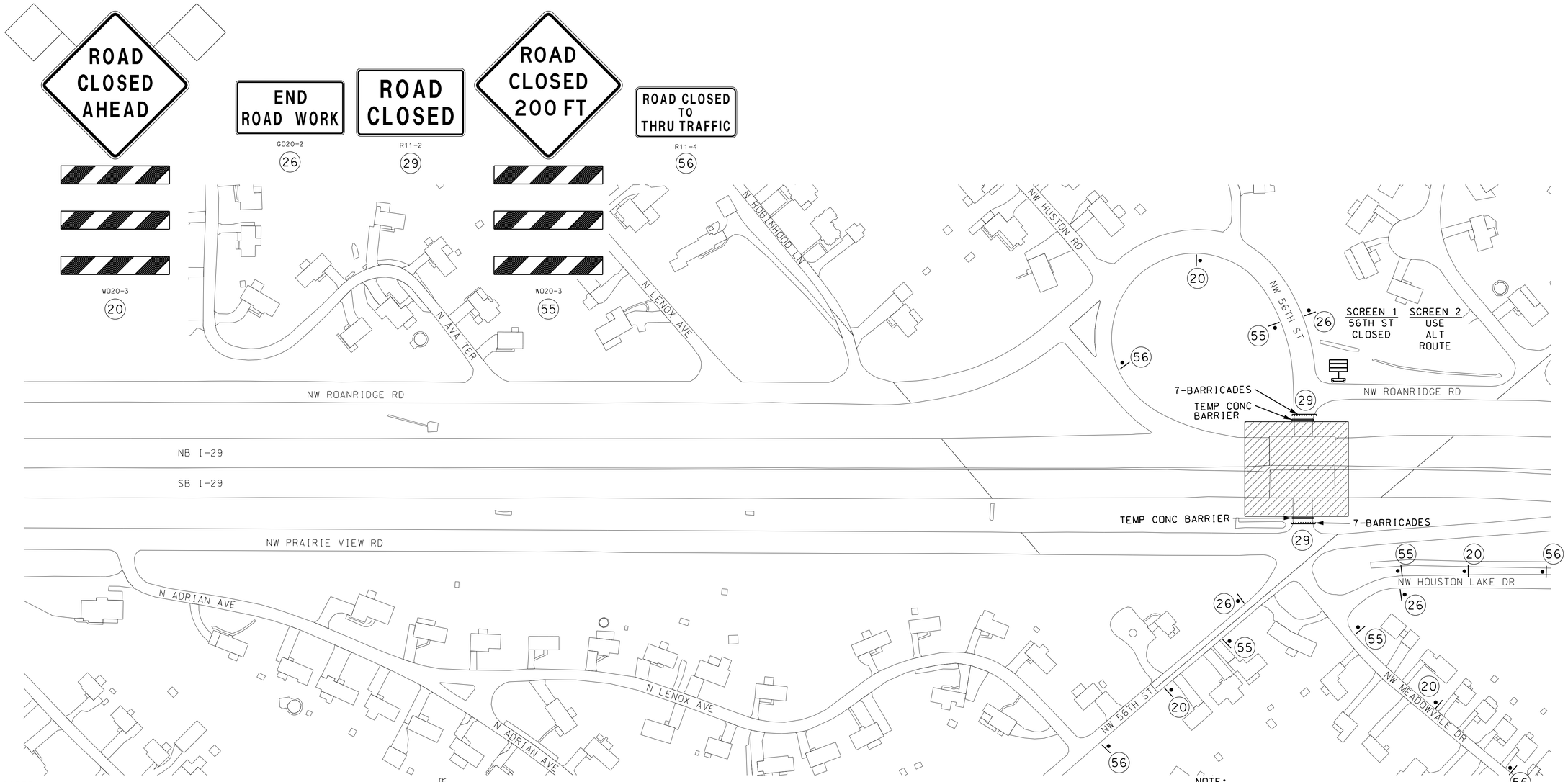
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

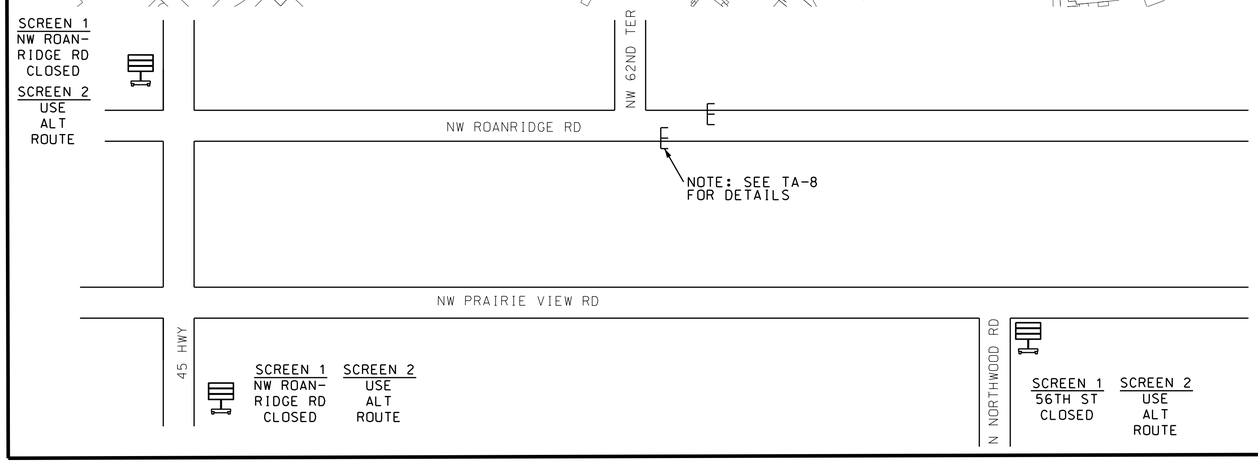
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority
No. : 000165
BMcD Project No. 109387

\\bmcd\dfs\Clients\TRN\MODOT\109387_I29Bridges\Design\CADD\Road_Sheets\J413291_56th St\xxx_TC_06_J413291_1100_DETOUR.dgn 5:33:13 PM 7/19/2020



NOTE:
NW 56TH ST CLOSURE SHALL REMAIN IN PLACE DURING BRIDGE RECONSTRUCTION THRU COMPLETION.



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- TYPE III BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA

NOT TO SCALE

I-29 OVER 56TH ST.
TRAFFIC CONTROL SHEET
PHASE 1
SHEET 1 OF 5

DATE PREPARED	6/26/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	27
COUNTY	PLATTE
JOB NO.	J413291
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

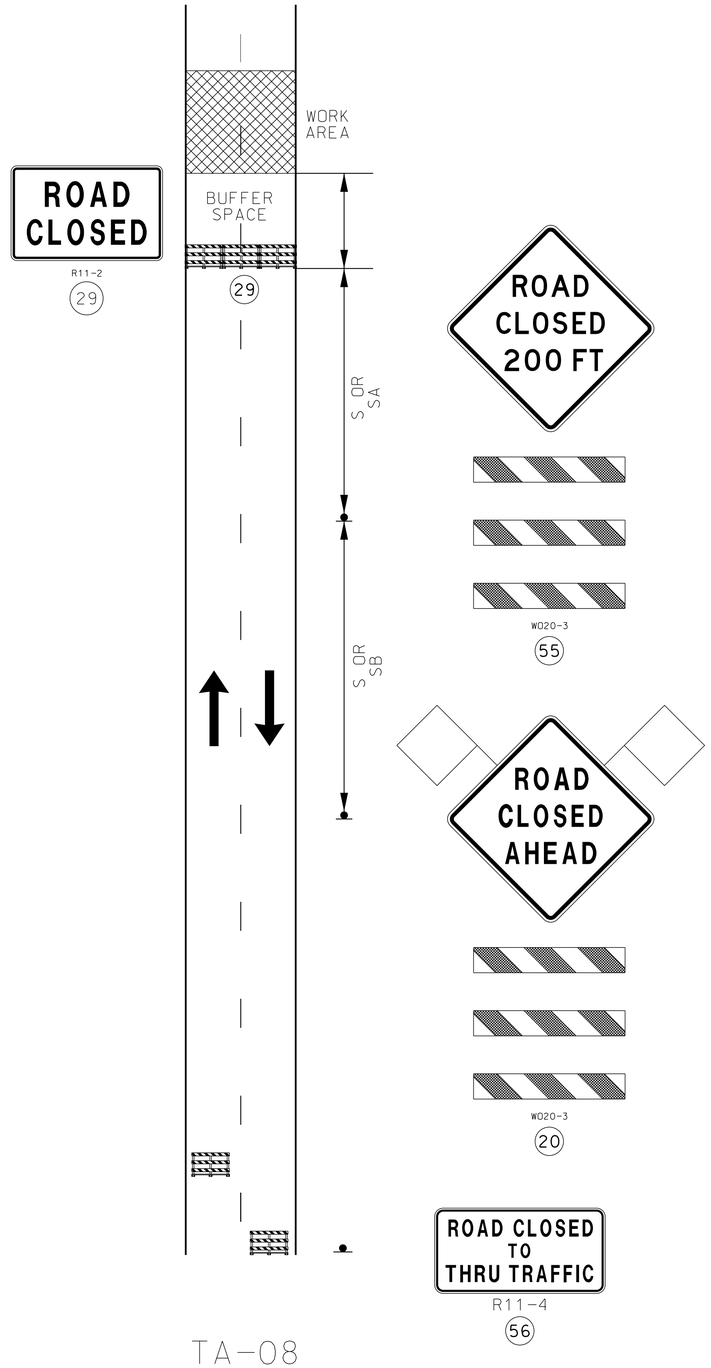
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekkdesigngroup.com

Missouri Cert. of Authority 2002010300

TREKK DESIGN GROUP, LLC

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



TA-08

NOTES:

SEE TRAFFIC CONTROL SHEET 43 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 43 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

WHEN A SIDE ROAD INTERSECTS THE HIGHWAY WITHIN THE TTC ZONE ADDITIONAL TTC DEVICES SHALL BE PLACED AS NEEDED.

"ROAD CLOSED" SIGN MAY BE PLACED 7-10 FEET BEHIND THE BARRICADES AND AT A SIGN HEIGHT APPROPRIATE TO THE TYPE OF ROADWAY. ONE BARRICADE SHOULD BE REQUIRED TO COMPLETELY CLOSE EACH 8-FEET OF PAVEMENT. PAVED SHOULDERS SHALL BE INCLUDED IN THE AREA TO BE CLOSED.

IF USED, THE "ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY" OR "ROAD CLOSED TO THRU TRAFFIC" SIGN SHOULD BE LOCATED AT THE FIRST STATE ROUTE OR, UPON THE DISCRETION OF THE ENGINEER, ANY OTHER INTERSECTION IN ADVANCE OF THE CLOSURE. ADDITIONAL BARRICADES MAY BE USED AND OFFSETTED TO FACILITATE ACCESS FOR WORK VEHICLES, LOCAL TRAFFIC, ETC.

BARRICADE

FOR FLAGS AND ADVANCE WARNING RAIL SYSTEMS, REFER TO EPG 616.6.2.2 FLAGS AND ADVANCED WARNING RAIL SYSTEM

I-29 OVER 56TH ST.
TRAFFIC CONTROL SHEET
PHASE 1
SHEET 2 OF 5

DATE PREPARED	6/26/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	28
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

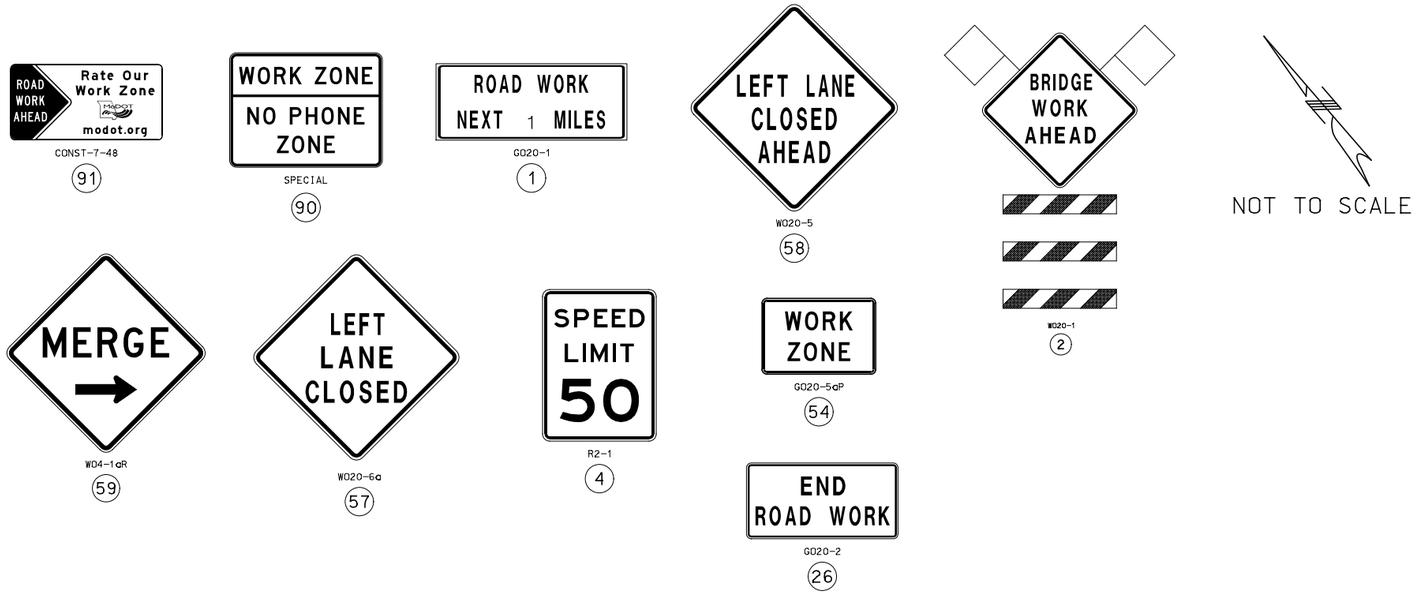
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

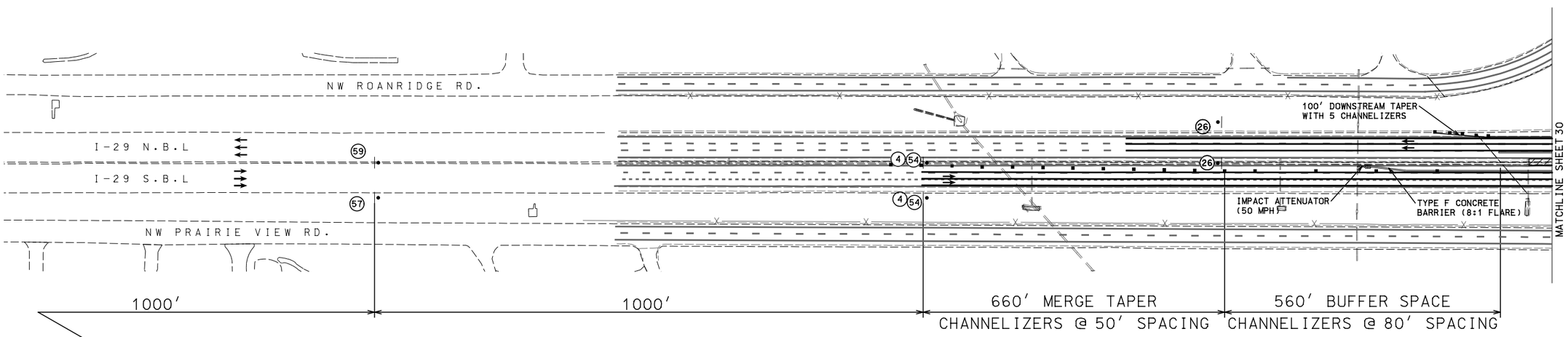
TREKK DESIGN GROUP, LLC
1411 East 19th St.
Kansas City, MO 64127
Tel: (816) 874-4631
Fax: (816) 874-4675
www.trekkdesigngroup.com
Missouri Cert. of Authority 2002010300

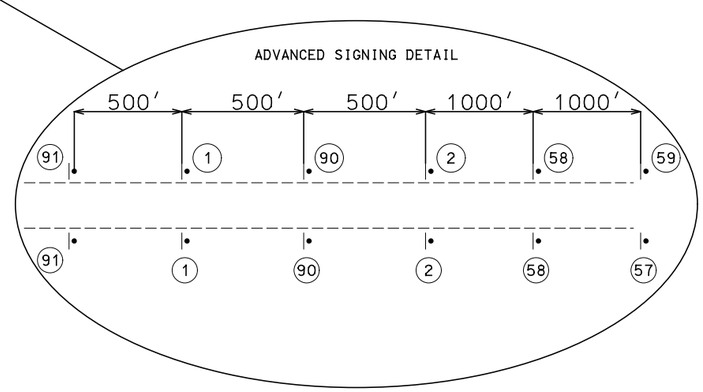
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA







NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SIGNS AND INSTALLATIONS COMPLY WITH THE FULL INTENT OF THE LATEST EDITION OF THE M.U.T.C.D.
2. CONTRACTOR SHALL MASK OR REMOVE ALL CONFLICTING PAVEMENT MARKING OR SIGNING.
3. CONTRACTOR MAY FIELD ADJUST INSTALLATIONS. COORDINATE WITH ENGINEER.
4. NO SURVEY INFORMATION HAS BEEN USED TO DEVELOP THESE PLANS. CONTRACTOR SHALL FIELD VERIFY PRIOR TO STARTING WORK.
5. REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKINGS.
6. ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TCP SHALL BE COVERED, NO DIRECT PAY.
7. NO DIRECT PAYMENT FOR RELOCATION OF TCP SIGNS. ALL WARNING SIGNS SHALL HAVE FLORESCENT SHEETING.

I-29 OVER 56TH ST.
TRAFFIC CONTROL SHEET
PHASE 1
SHEET 3 OF 5

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	29
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority
No. : 000165
BMcD Project No. 109387

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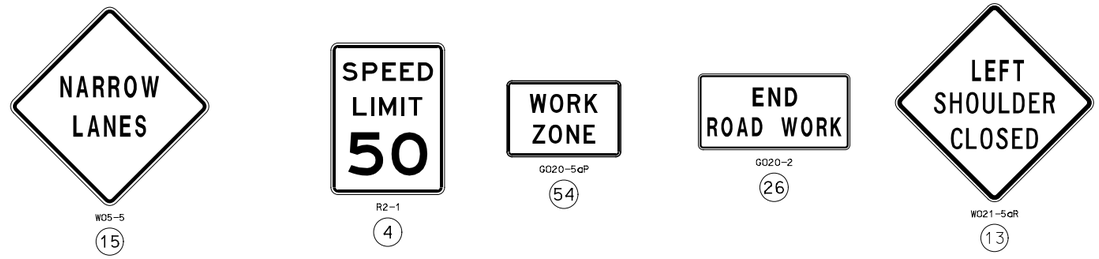
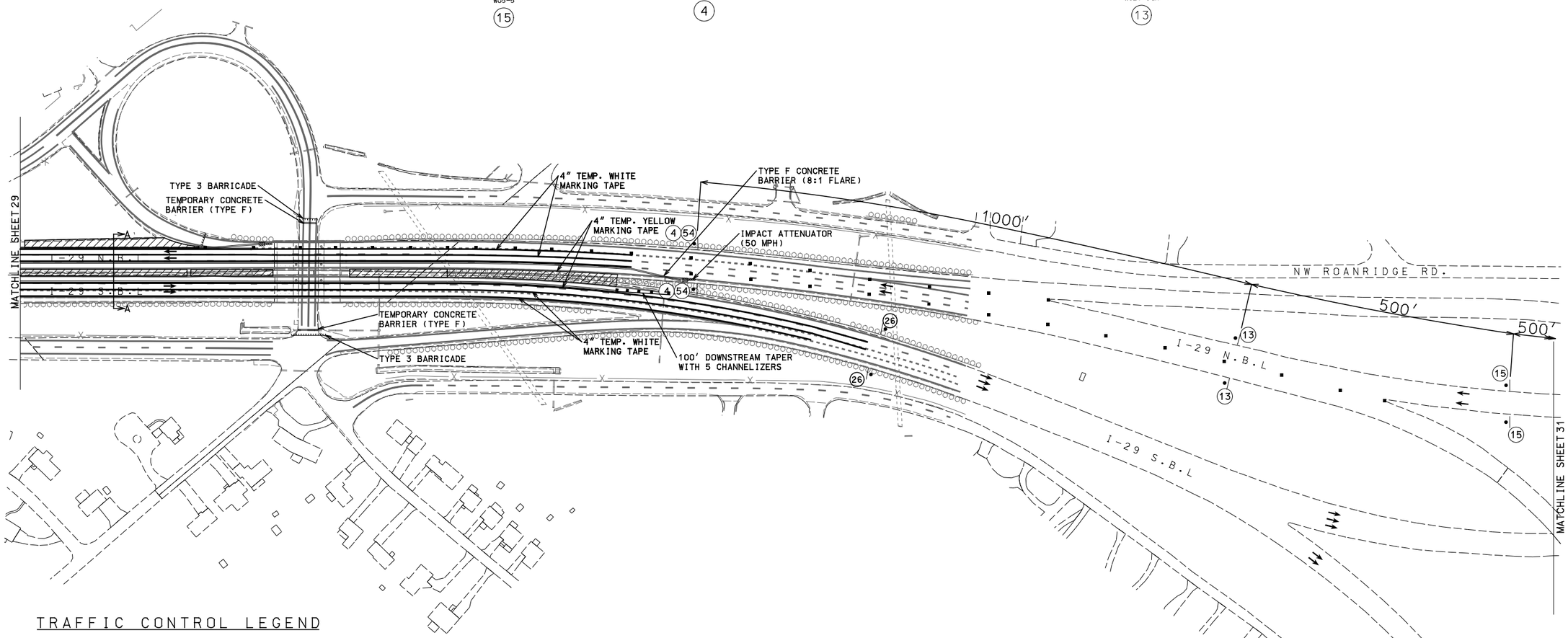


NOT TO SCALE

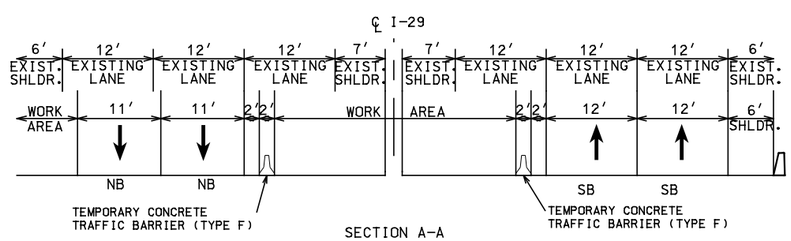


TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA

NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SIGNS AND INSTALLATIONS COMPLY WITH THE FULL INTENT OF THE LATEST EDITION OF THE M.U.T.C.D.
2. CONTRACTOR SHALL MASK OR REMOVE ALL CONFLICTING PAVEMENT MARKING OR SIGNING.
3. CONTRACTOR MAY FIELD ADJUST INSTALLATIONS. AS APPROVED BY THE ENGINEER.
4. NO SURVEY INFORMATION HAS BEEN USED TO DEVELOP THESE PLANS. CONTRACTOR SHALL FIELD VERIFY PRIOR TO STARTING WORK.



SECTION A-A

I-29 OVER 56TH ST. TRAFFIC CONTROL SHEET PHASE 1 SHEET 4 OF 5

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	30
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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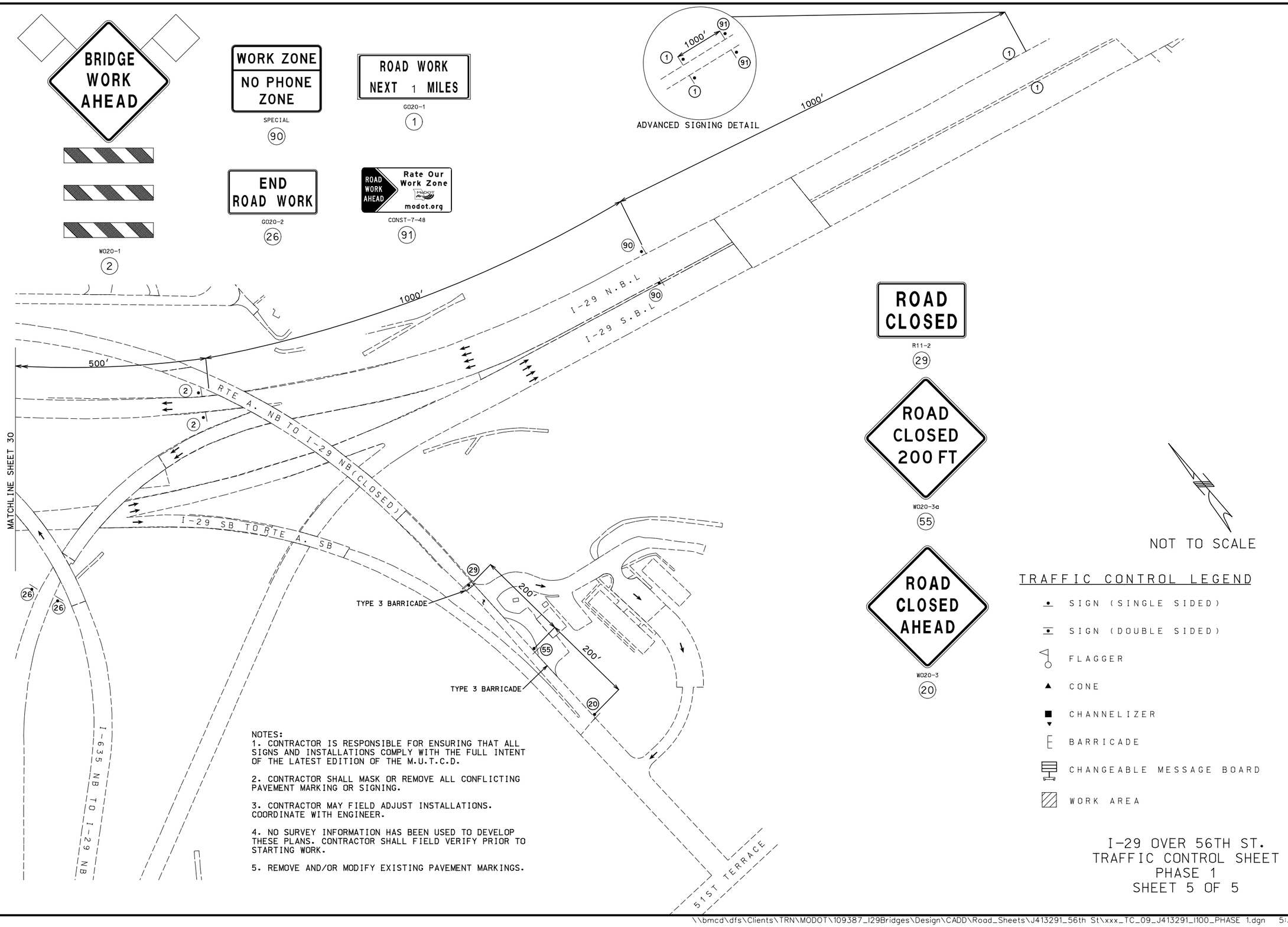
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority No. : 000165
BMcD Project No. 109387

REV.

\\bmcd\dfs\Clients\TRN\MODOT\109387_I29Bridges\Design\CADD\Road_Sheets\J413291_56th St\xxx_TC_08_J413291_1100_PHASE 1.dgn 5:33:24 PM 7/19/2020



NOTES:
1. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SIGNS AND INSTALLATIONS COMPLY WITH THE FULL INTENT OF THE LATEST EDITION OF THE M.U.T.C.D.

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5. REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKINGS.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA

I-29 OVER 56TH ST.
TRAFFIC CONTROL SHEET
PHASE 1
SHEET 5 OF 5

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	31
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority No. : 000165
BMcD Project No. 109387

REV.

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NOTES:
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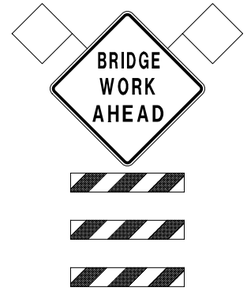
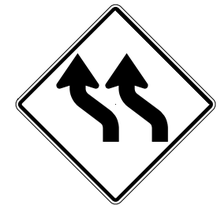
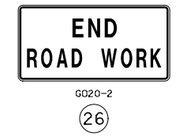
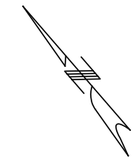
5. REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKINGS

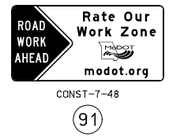


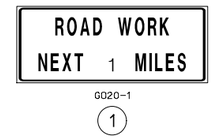






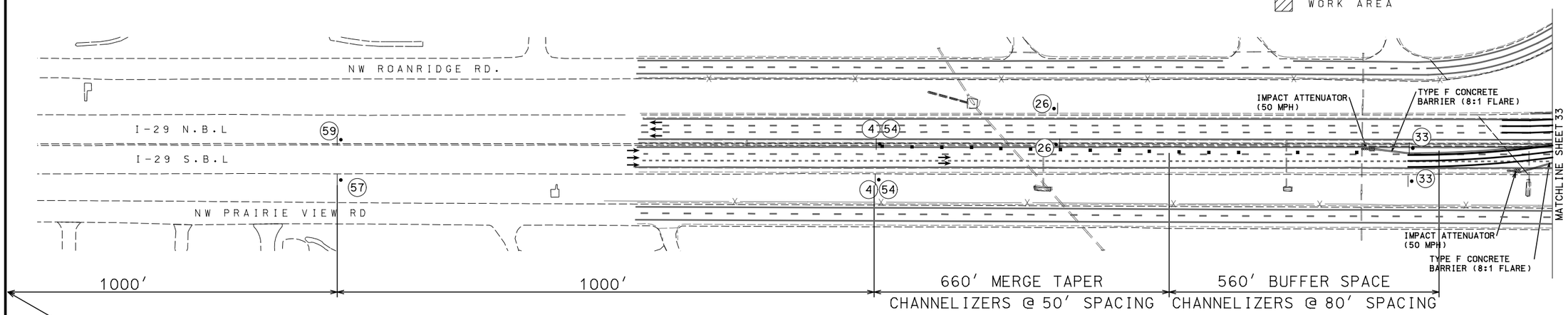
NOT TO SCALE

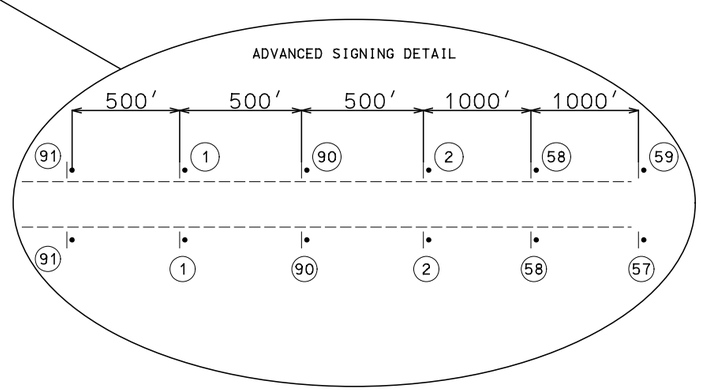




TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA





I-29 OVER 56TH ST.
TRAFFIC CONTROL SHEET
PHASE 2
SHEET 1 OF 4

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	32
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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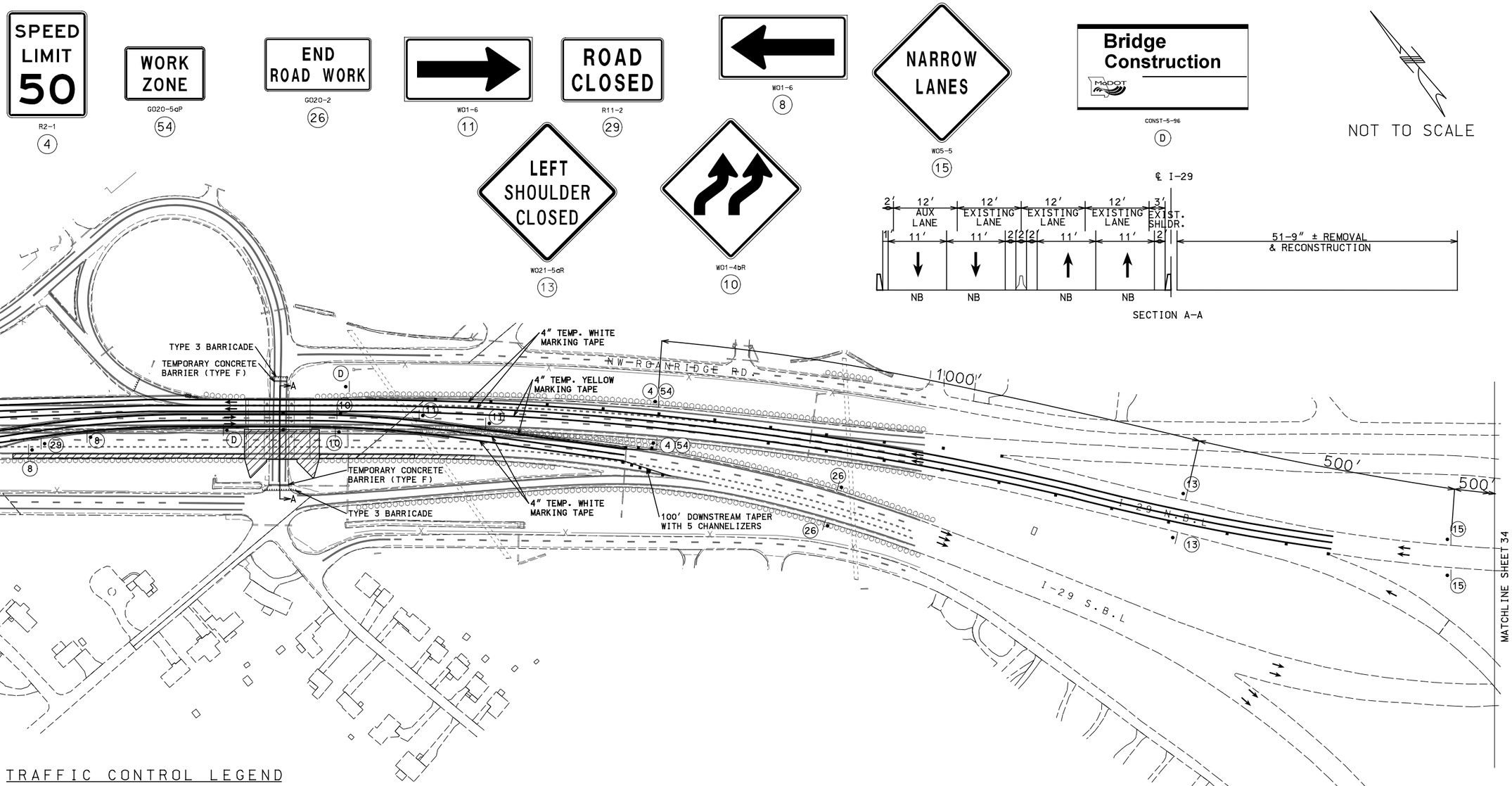
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority
No. : 000165
BMcD Project No. 109387



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA

NOTES:

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2. CONTRACTOR SHALL MASK OR REMOVE ALL CONFLICTING PAVEMENT MARKING OR SIGNING.
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5. REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKINGS

I-29 OVER 56TH ST.
TRAFFIC CONTROL SHEET
PHASE 2
SHEET 2 OF 4

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	
7/19/2020	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
KC	33
COUNTY	
PLATTE	
JOB NO.	
J4I3291	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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No. : 000165

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REV.

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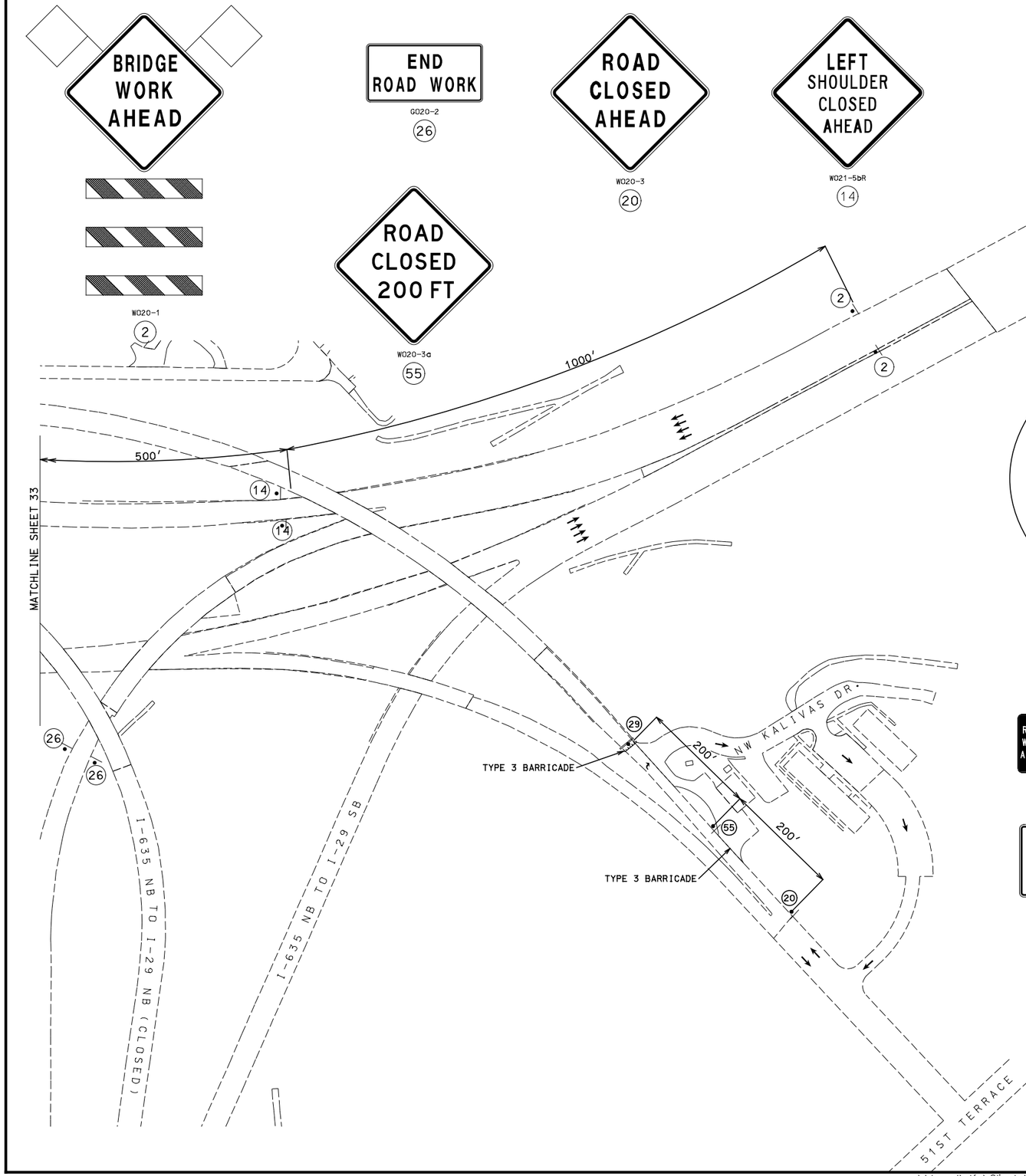

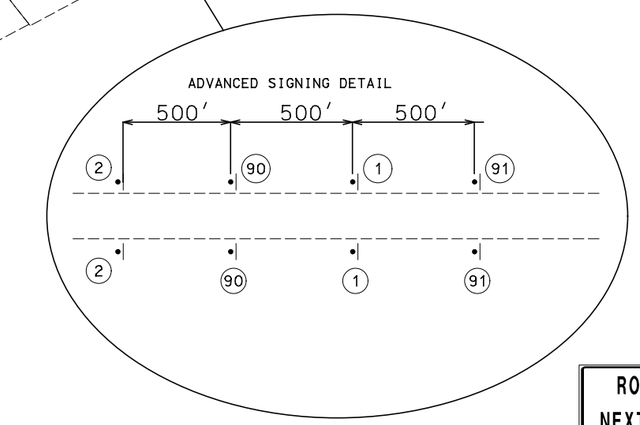

NOT TO SCALE

ROAD WORK NEXT 1 MILES
G020-1
1

ROAD WORK AHEAD
Rate Our Work Zone
modot.org
CONST-7-48
91

WORK ZONE
NO PHONE ZONE
SPECIAL
90

ROAD CLOSED
R11-2
29

NOTES:
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TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA

I-29 OVER 56TH ST.
TRAFFIC CONTROL SHEET
PHASE 2
SHEET 3 OF 4

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	
7/19/2020	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
KC	34
COUNTY	
PLATTE	
JOB NO.	
J4I3291	
CONTRACT ID.	
.	
PROJECT NO.	
.	
BRIDGE NO.	
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DESCRIPTION	DATE
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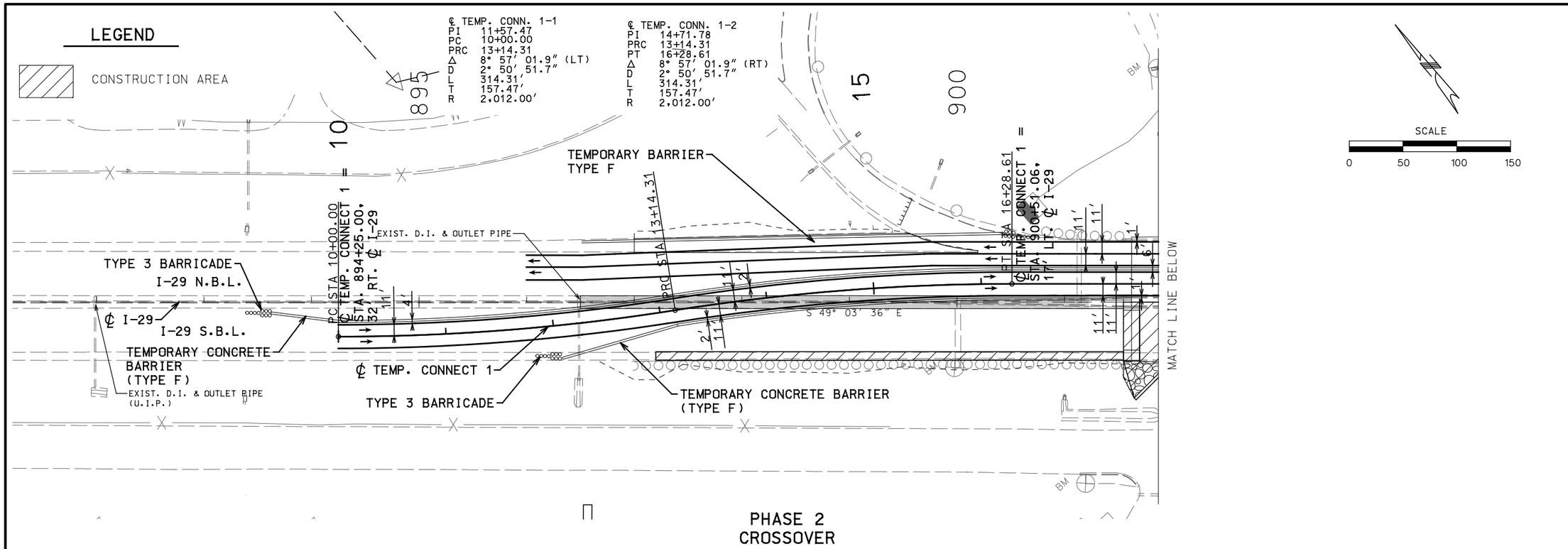
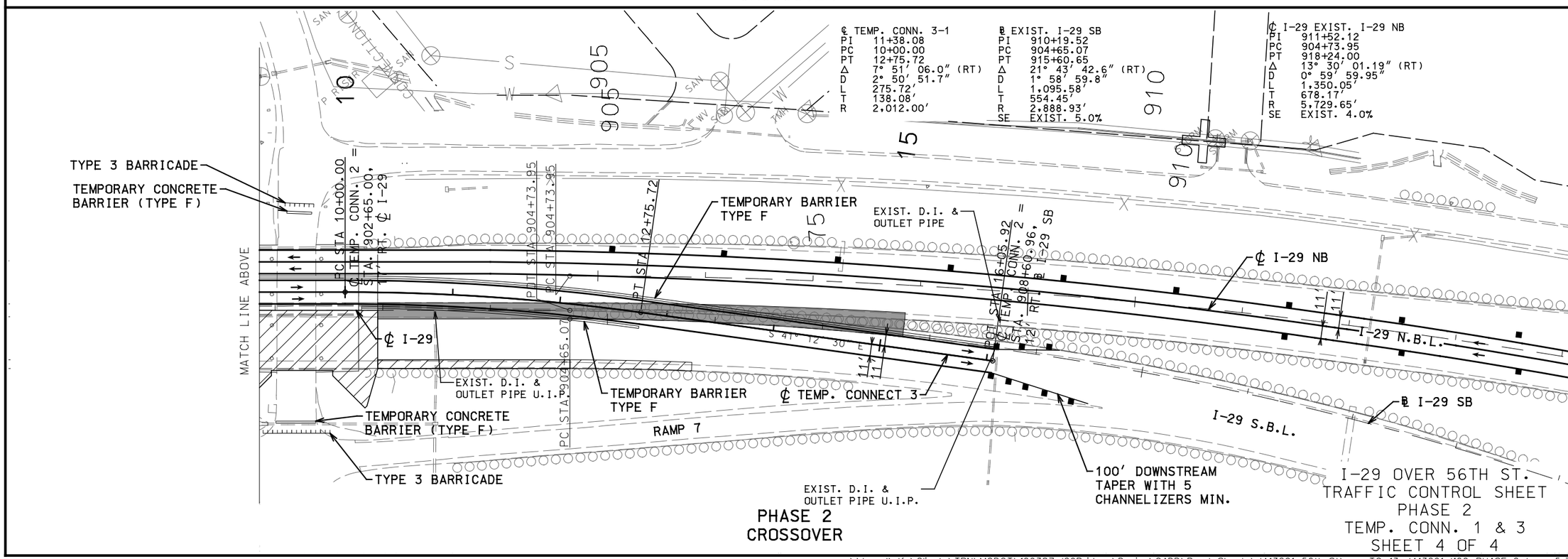
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority No.: 000165
BMcD Project No. 109387

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.





"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	35
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DESCRIPTION	DATE
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JEFFERSON CITY, MO 65102
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Burns & McDonnell Engineering Co., Inc.
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Kansas City, Missouri 64114
816-333-9400
Certificate of Authority No.: 000165
BMcD Project No. 109387

I-29 OVER 56TH ST.
TRAFFIC CONTROL SHEET
PHASE 2
TEMP. CONN. 1 & 3
SHEET 4 OF 4

REV.

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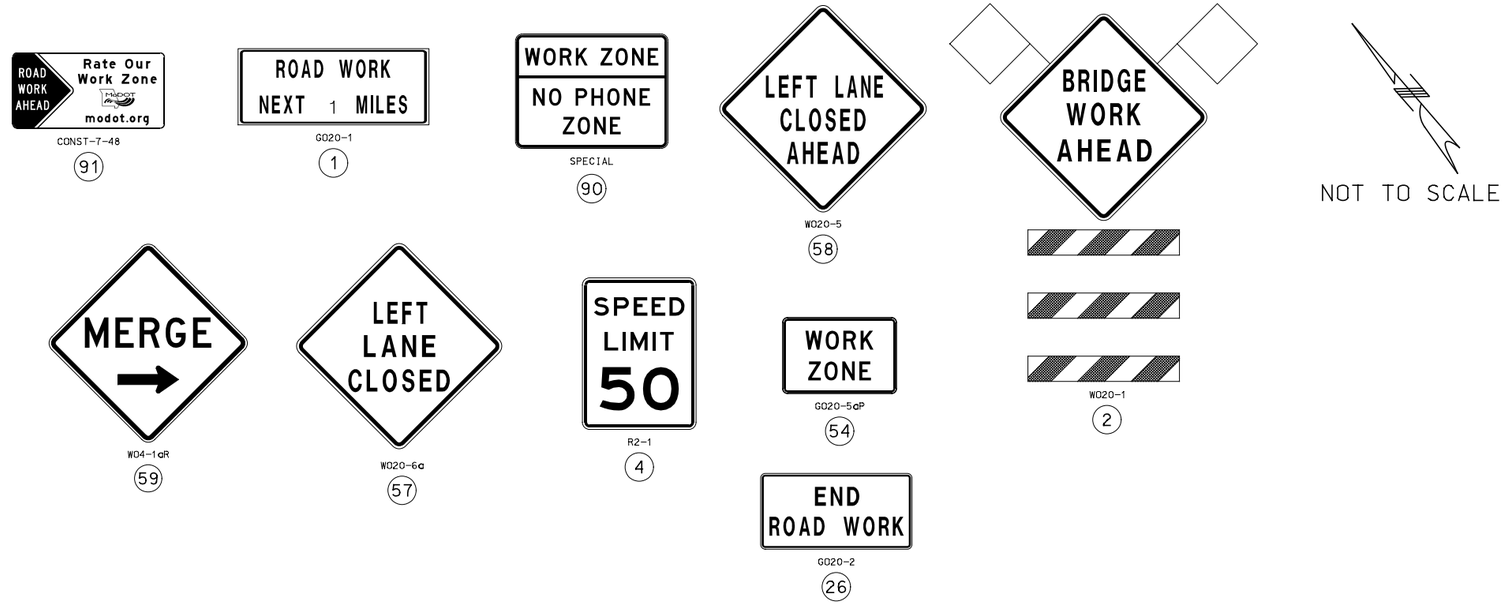
TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA



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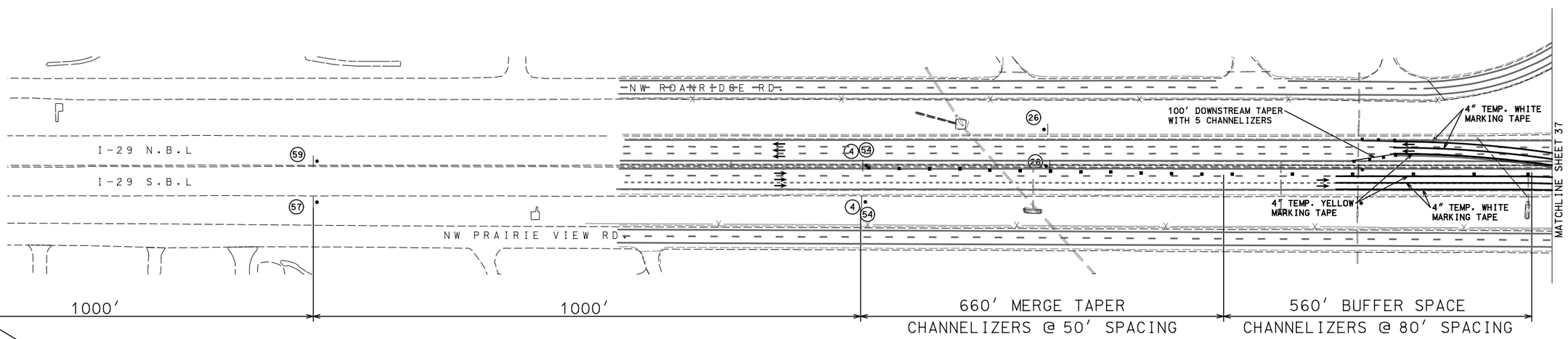

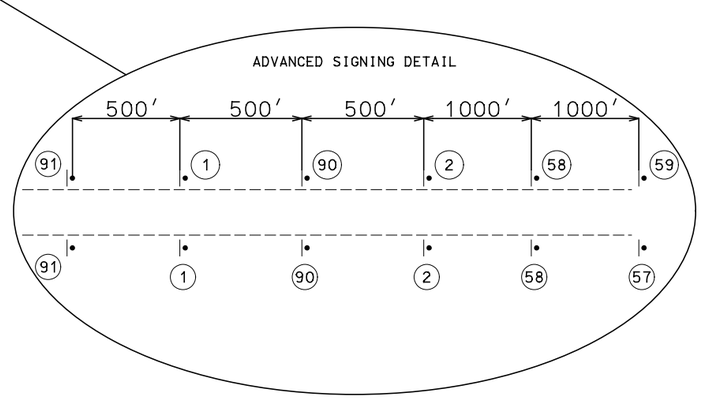

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I-29 OVER 56TH ST.
TRAFFIC CONTROL SHEET
PHASE 3
SHEET 1 OF 4

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	36
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
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816-333-9400
Certificate of Authority No. : 000165
BMcD Project No. 109387

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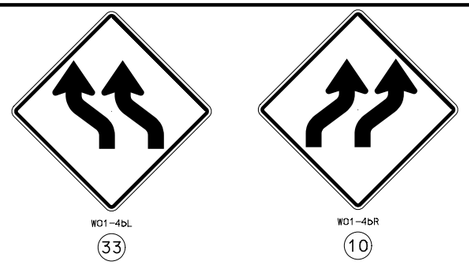

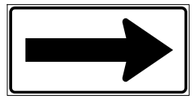

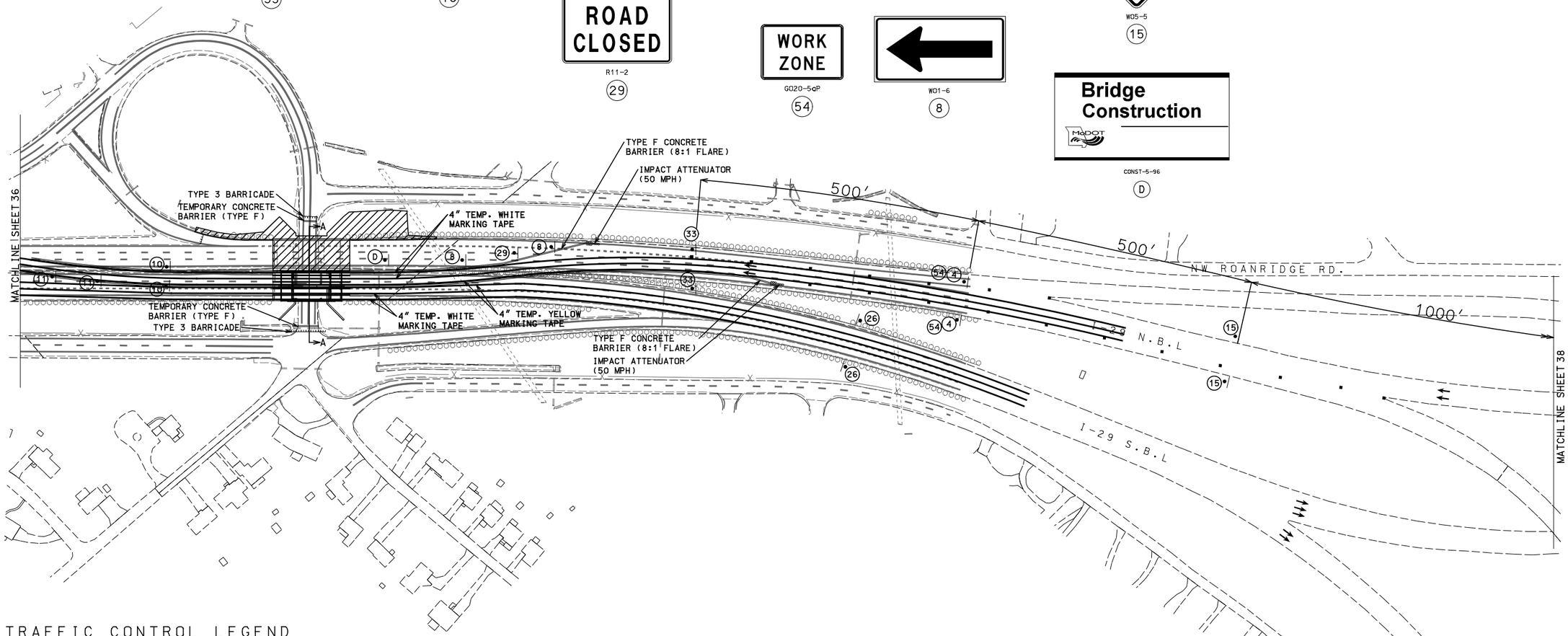

NOT TO SCALE

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA

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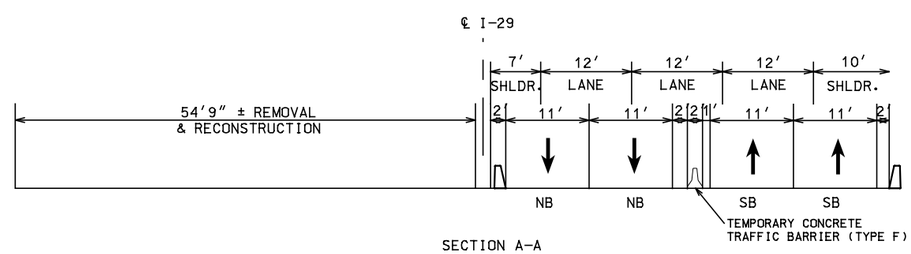

SECTION A-A

I-29 OVER 56TH ST.
TRAFFIC CONTROL SHEET
PHASE 3
SHEET 2 OF 4

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	37
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority
No. : 000165
BMcD Project No. 109387

REV.

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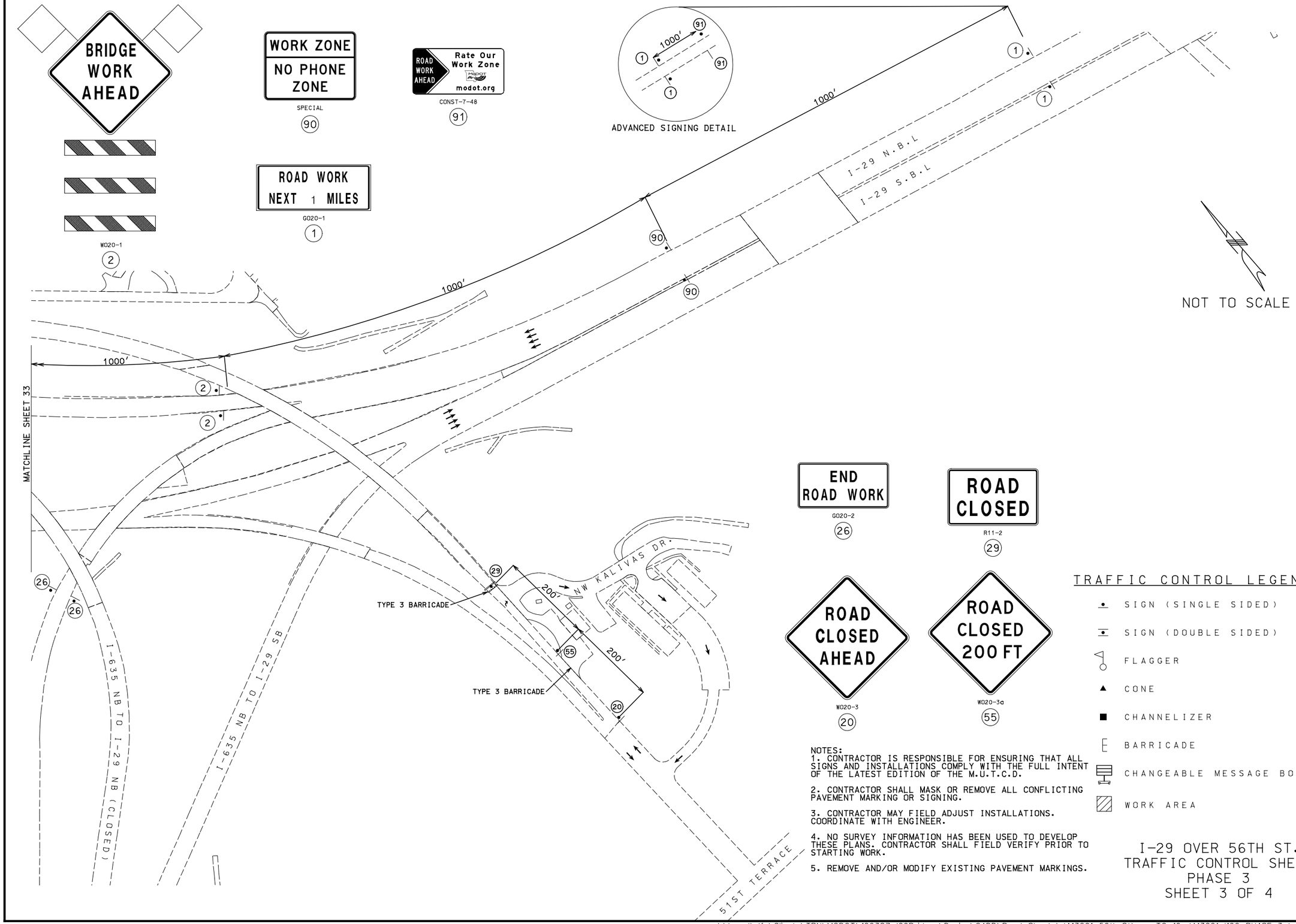

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- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA

I-29 OVER 56TH ST.
TRAFFIC CONTROL SHEET
PHASE 3
SHEET 3 OF 4

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	38
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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BMcD Project No. 109387

REV.

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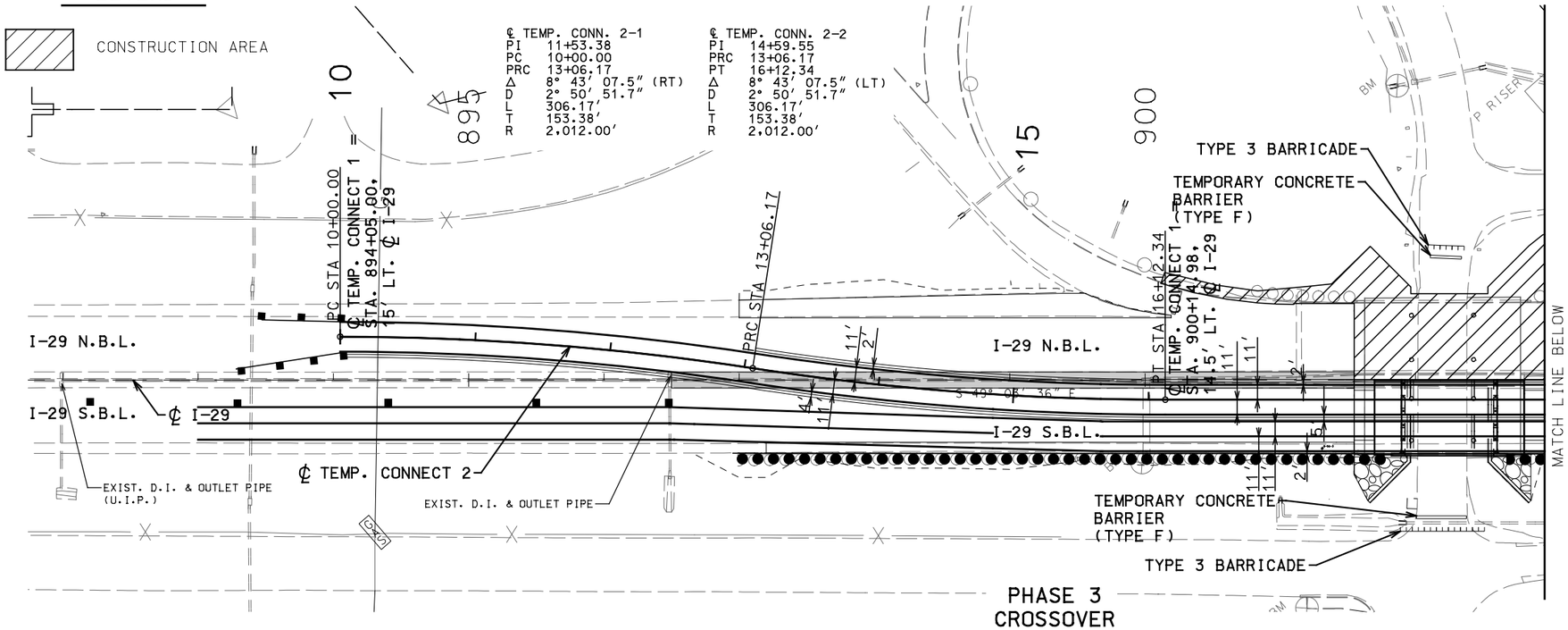
LEGEND

CONSTRUCTION AREA

℄ TEMP. CONN. 2-1
PI 11+53.38
PC 10+00.00
PRC 13+06.17
Δ 8° 43′ 07.5″ (RT)
D 2° 50′ 51.7″
L 306.17′
T 153.38′
R 2,012.00′

℄ TEMP. CONN. 2-2
PI 14+59.55
PRC 13+06.17
PT 16+12.34
Δ 8° 43′ 07.5″ (LT)
D 2° 50′ 51.7″
L 306.17′
T 153.38′
R 2,012.00′



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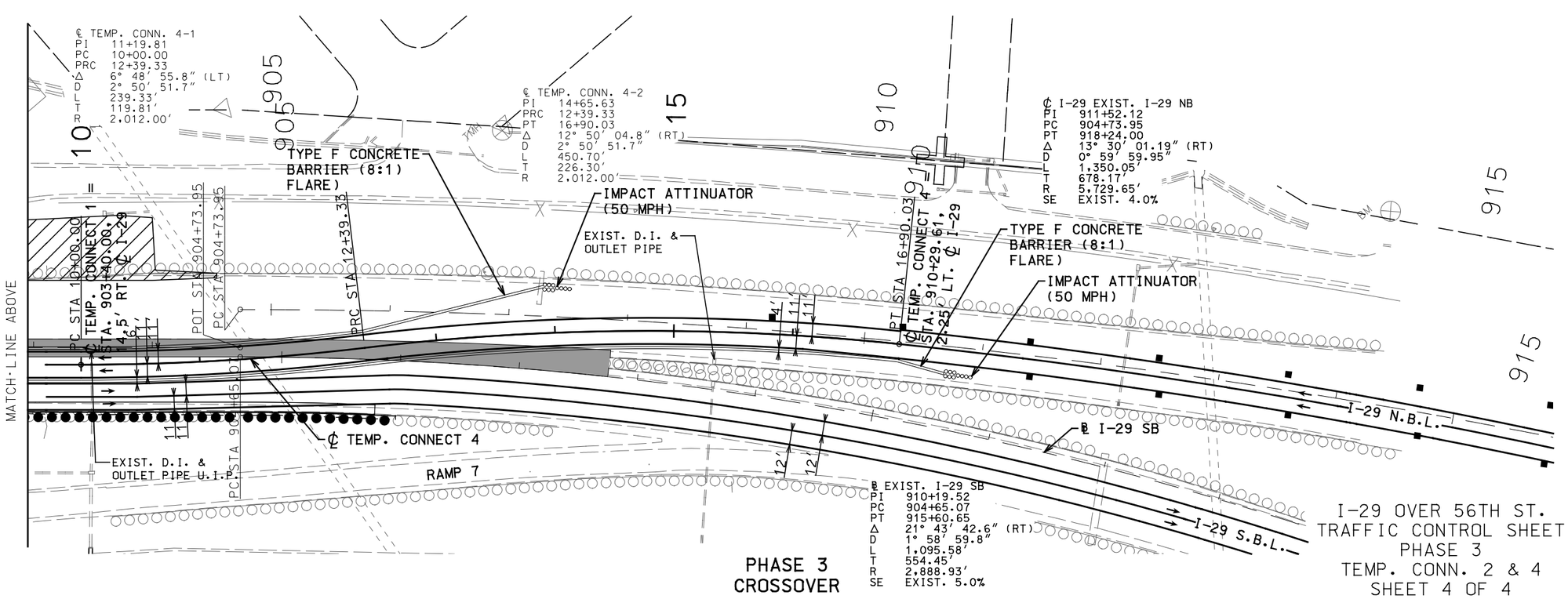
"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."



I-29 OVER 56TH ST.
TRAFFIC CONTROL SHEET
PHASE 3
TEMP. CONN. 2 & 4
SHEET 4 OF 4

DATE PREPARED	
7/19/2020	
ROUTE I-29	STATE MO
DISTRICT KC	SHEET NO. 39
COUNTY PLATTE	
JOB NO. J4I3291	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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Kansas City, Missouri 64114
816-333-9400
Certificate of Authority No. : 000165
BMcD Project No. 109387

REV.

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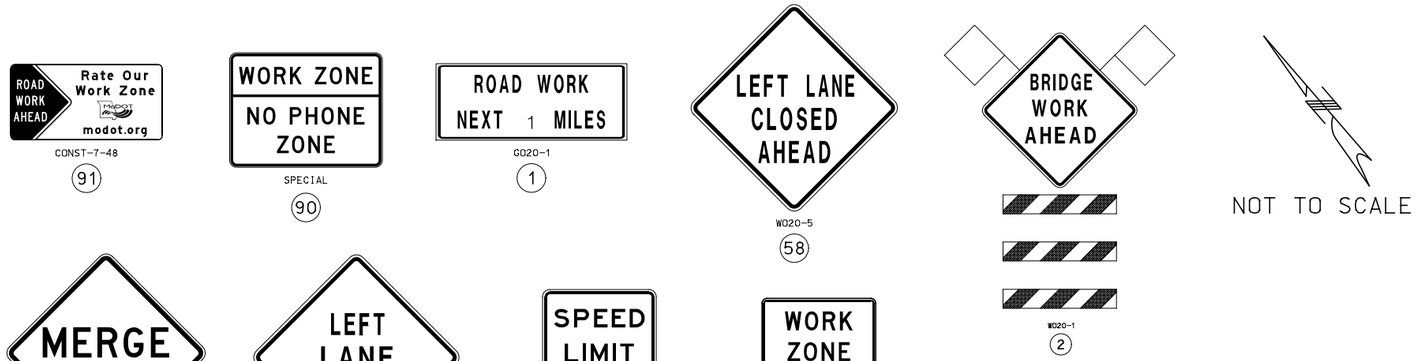
TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA



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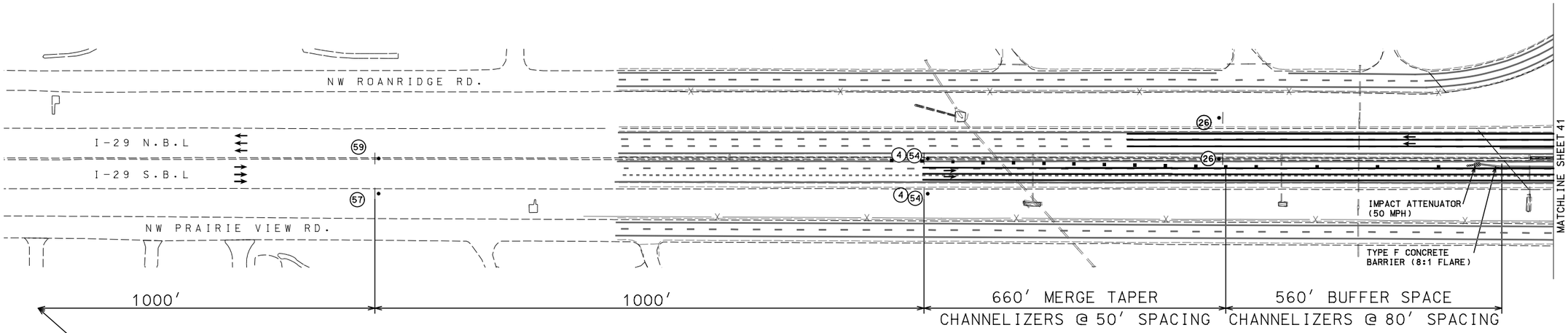

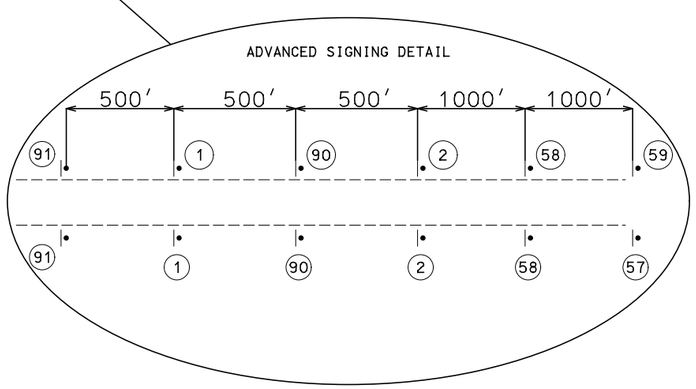

I-29 OVER 56TH ST.
TRAFFIC CONTROL SHEET
PHASE 4
SHEET 1 OF 3

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	
7/19/2020	
ROUTE I-29	STATE MO
DISTRICT KC	SHEET NO. 40
COUNTY PLATTE	
JOB NO. J4I3291	
CONTRACT ID. .	
PROJECT NO. .	
BRIDGE NO. .	

DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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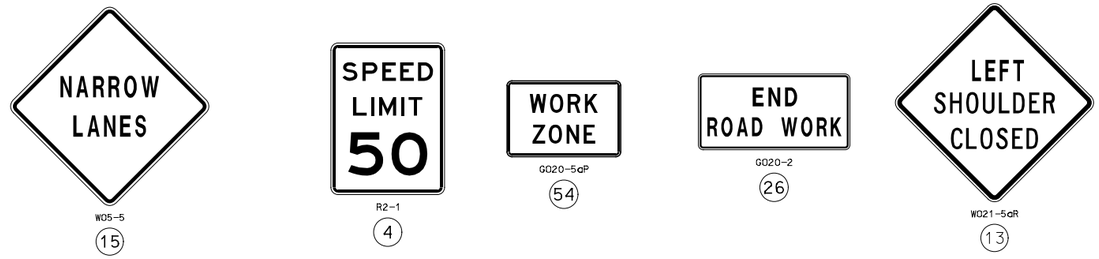
Certificate of Authority No. : 000165
BMcD Project No. 109387

\\bmcd\dfs\Clients\TRN\MODOT\109387_I29Bridges\Design\CADD\Road_Sheets\J413291_56th St\xxx_TC_18_J413291_1100_PHASE 4.dgn 5:34:04 PM 7/19/2020



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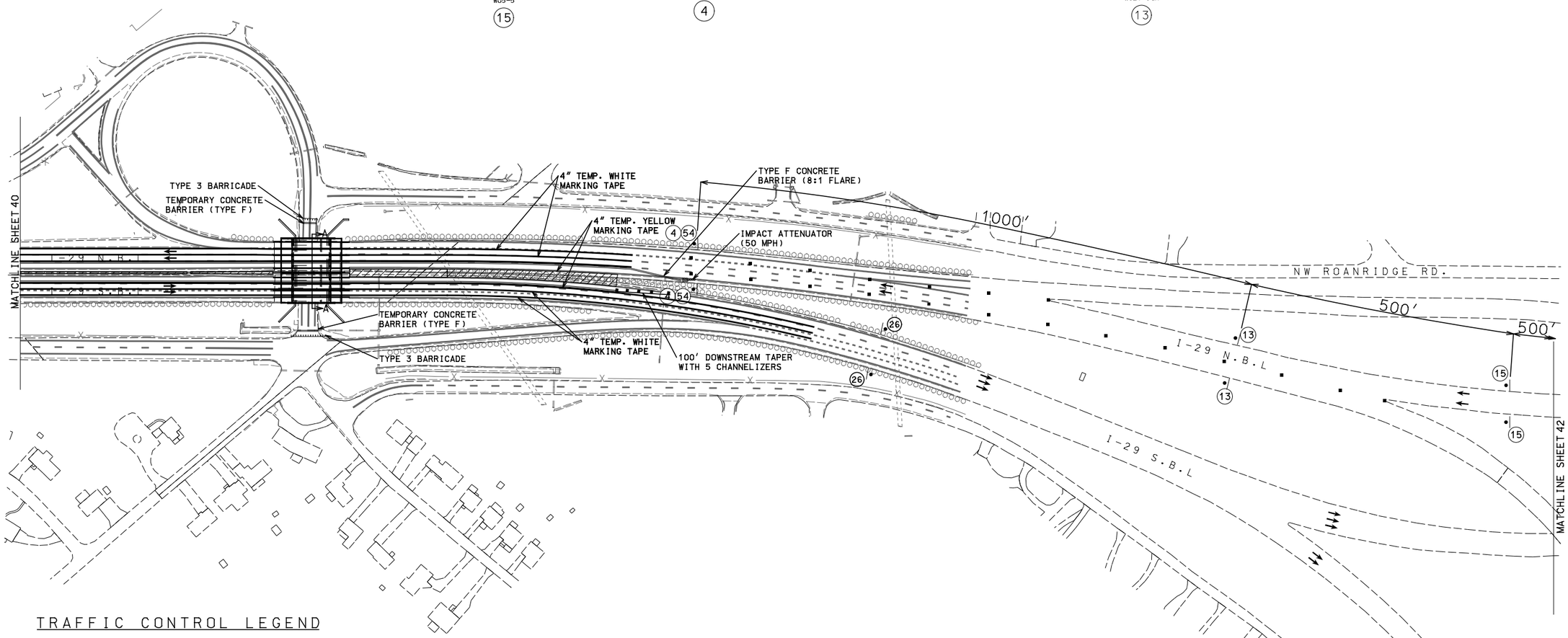

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
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- BARRICADE
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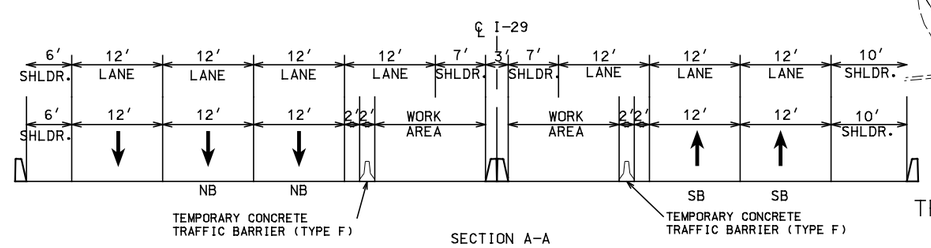

SECTION A-A

I-29 OVER 56TH ST.
TRAFFIC CONTROL SHEET
PHASE 4
SHEET 2 OF 3

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	41
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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REV.

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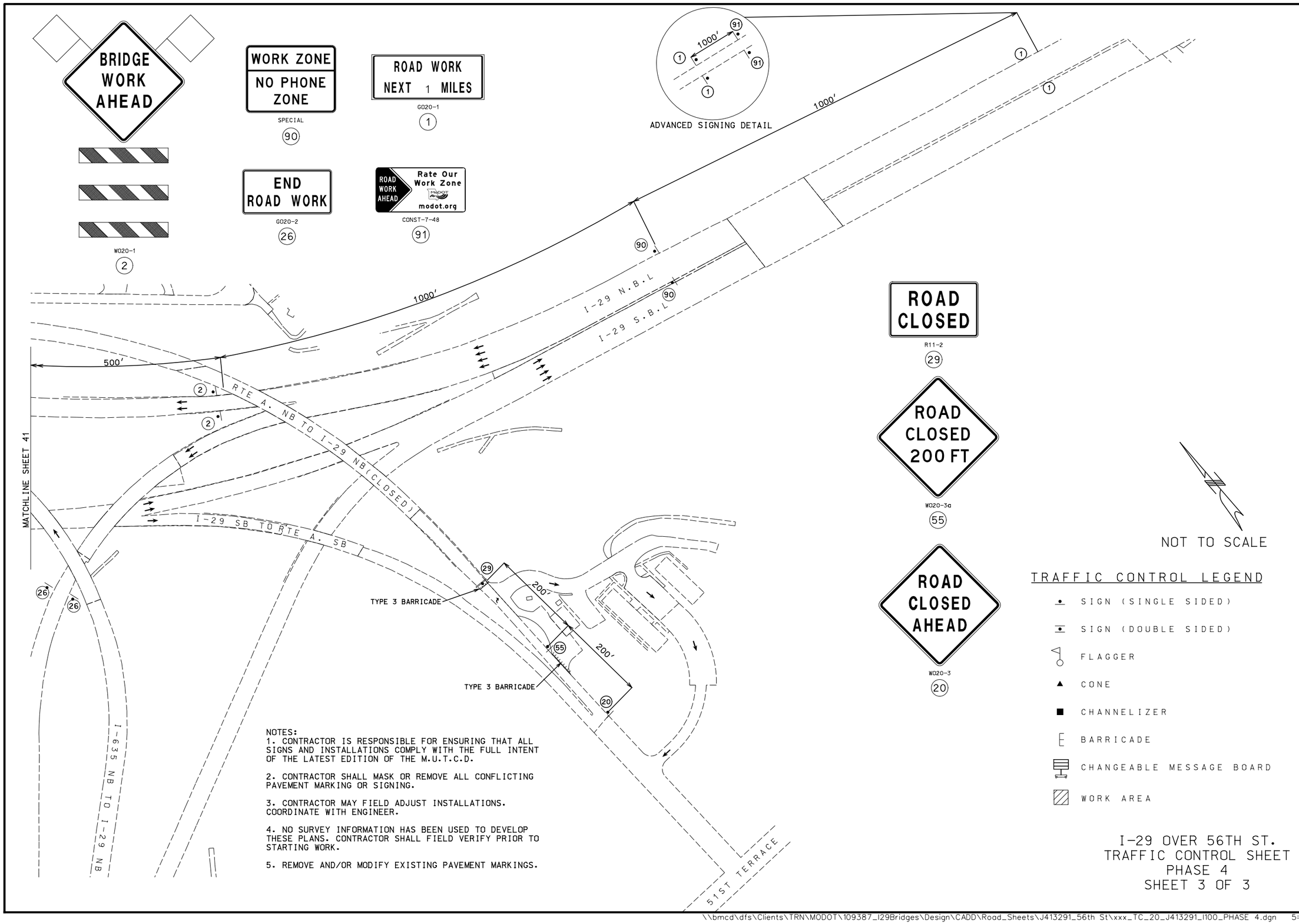

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I-29 OVER 56TH ST.
TRAFFIC CONTROL SHEET
PHASE 4
SHEET 3 OF 3

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	42
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority No. : 000165
BMcD Project No. 109387

REV.

\\bmcd\dfs\Clients\TRN\MODOT\109387_I29Bridges\Design\CADD\Road_Sheets\J413291_56th St\xxx_TC_20_J413291_1100_PHASE 4.dgn 5:34:10 PM 7/19/2020

TAPER LENGTHS AND SPACING OF CHANNELIZING DEVICES						
POSTED SPEED PRIOR TO CONSTRUCTION, MPH (P)	MINIMUM TAPER LENGTHS (L) FOR LATERAL SHIFTS (W)			SHOULDER TAPER (T1)	MAX. CHANNELIZER SPACING THROUGH TAPER (X)	MAX. CHANNELIZER SPACING THROUGH WORK AREA (Y)
	10 FT	11 FT	12 FT			
0 TO 35	205 FT	225 FT	245 FT	70 FT	35′	40′
40 TO 45	450 FT	495 FT	540 FT	150 FT	40′	80′
50 TO 55	550 FT	605 FT	660 FT	185 FT	50′	80′
60 TO 70	700 FT	770 FT	840 FT	235 FT	60′	120′

$L = W \times P$ FOR 40 MPH OR MORE
$L = \frac{WP^2}{60}$ FOR 35 MPH OR LESS
L = TAPER LENGTH IN FEET
W = LATERAL SHIFT IN FEET

SIGN SPACING FOR ADVANCE SIGN SERIES (1) (2)		
POSTED SPEED PRIOR TO CONSTRUCTION, MPH (P)	UNDIVIDED HIGHWAY LENGTH (S), (FT.)	DIVIDED HIGHWAY LENGTH (S), (FT.)
0 TO 35	200′ (3)	200′ (3)
40 TO 45	350′	500′
50 TO 55	500′	1000′
60 TO 70	1000′	SA - 1000 FT, SB - 1500 FT, SC - 2640 FT

DIMENSIONS IN FEET
(1) SPACING BETWEEN SIGNS, BEGINNING OF TAPER OR SIGNED CONDITION.
(2) SPACING MAY BE ADJUSTED TO MEET FIELD CONDITIONS.
(3) FOR URBAN LOW SPEED, MINIMUM RECOMMENDED SPACING IN MUTCD IS 100 FT.

BUFFER SPACE	
POSTED SPEED PRIOR TO CONSTRUCTION, MPH (P)	RECOMMENDED LENGTH OF LONGITUDINAL BUFFER
0 TO 35	280 FT
40 TO 45	400 FT
50 TO 55	560 FT
60 TO 70	840 FT

TRAFFIC CONTROL GENERAL NOTES:

1. TEMPORARY TRAFFIC CONTROL SIGN AND DEVICE LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
2. ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLAN SHALL BE COVERED. NO DIRECT PAY.
3. NO DIRECT PAY FOR RELOCATION OF SIGNS AND DEVICES FOR TEMPORARY TRAFFIC CONTROL.
4. ALL TEMPORARY TRAFFIC CONTROL ITEMS NOT INCLUDED IN THE PAY ITEMS SHALL BE CONSIDERED INCIDENTAL.
5. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES.
6. DURING FLAGGING OPERATIONS, FLAGGERS SHALL BE USED WHEN WORKERS ARE PRESENT.
7. FOR PAVEMENT DROP OFF, REFER TO STANDARD PLAN 619.10 FOR NECESSARY EDGE TREATMENT.
8. CHANGEABLE MESSAGE BOARDS SHALL BE CONTRACTOR FURNISHED/CONTRACTOR RETAINED.

PHASE	TYPE	DESCRIPTION
PHASE 5A	NW ROANRIDGE RD RECONSTRUCTION	RECONSTRUCTION OF THE WEST HALF OF THE INTERSECTION OF NW 56TH ST AND NW ROANRIDGE RD.
PHASE 5B	NW ROANRIDGE RD RECONSTRUCTION	RECONSTRUCTION OF THE EAST HALF OF THE INTERSECTION OF NW 56TH ST AND NW ROANRIDGE RD.
PHASE 5C	NW PRAIRIE VIEW RD AND I-29 SB RAMP RECONSTRUCTION	RECONSTRUCTION OF THE INTERSECTION OF NW 56TH ST, NW PRAIRIE VIEW RD AND I-29 SB RAMP.

56TH ST.
TRAFFIC CONTROL SHEET
PHASE 5
SHEET 1 OF 7

DATE PREPARED 6/26/2020
ROUTE I-29 | STATE MO
DISTRICT KC | SHEET NO. 43
COUNTY PLATTE
JOB NO. J4I3291
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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www.trekdesigngroup.com
Missouri Cert. of Authority 2002010300
TREKK DESIGN GROUP, LLC

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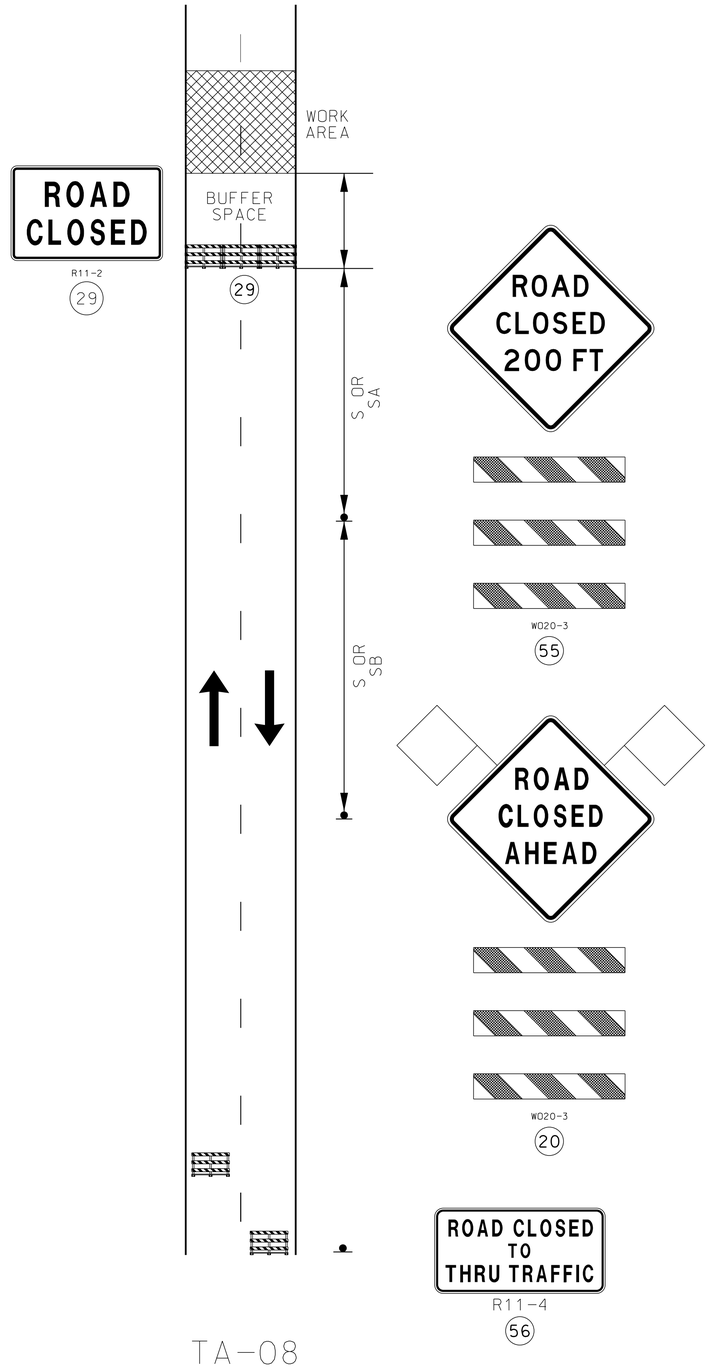

TA-08

NOTES:

SEE TRAFFIC CONTROL SHEET 43 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 43 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

WHEN A SIDE ROAD INTERSECTS THE HIGHWAY WITHIN THE TTC ZONE ADDITIONAL TTC DEVICES SHALL BE PLACED AS NEEDED.

"ROAD CLOSED" SIGN MAY BE PLACED 7-10 FEET BEHIND THE BARRICADES AND AT A SIGN HEIGHT APPROPRIATE TO THE TYPE OF ROADWAY. ONE BARRICADE SHOULD BE REQUIRED TO COMPLETELY CLOSE EACH 8-FEET OF PAVEMENT. PAVED SHOULDERS SHALL BE INCLUDED IN THE AREA TO BE CLOSED.

IF USED, THE "ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY" OR "ROAD CLOSED TO THRU TRAFFIC" SIGN SHOULD BE LOCATED AT THE FIRST STATE ROUTE OR, UPON THE DISCRETION OF THE ENGINEER, ANY OTHER INTERSECTION IN ADVANCE OF THE CLOSURE. ADDITIONAL BARRICADES MAY BE USED AND OFFSETTED TO FACILITATE ACCESS FOR WORK VEHICLES, LOCAL TRAFFIC, ETC.

BARRICADE

FOR FLAGS AND ADVANCE WARNING RAIL SYSTEMS, REFER TO EPG 616.6.2.2 FLAGS AND ADVANCED WARNING RAIL SYSTEM

I-29 OVER 56TH ST.
TRAFFIC CONTROL SHEET
PHASE 5
SHEET 2 OF 7

DATE PREPARED	6/26/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	44
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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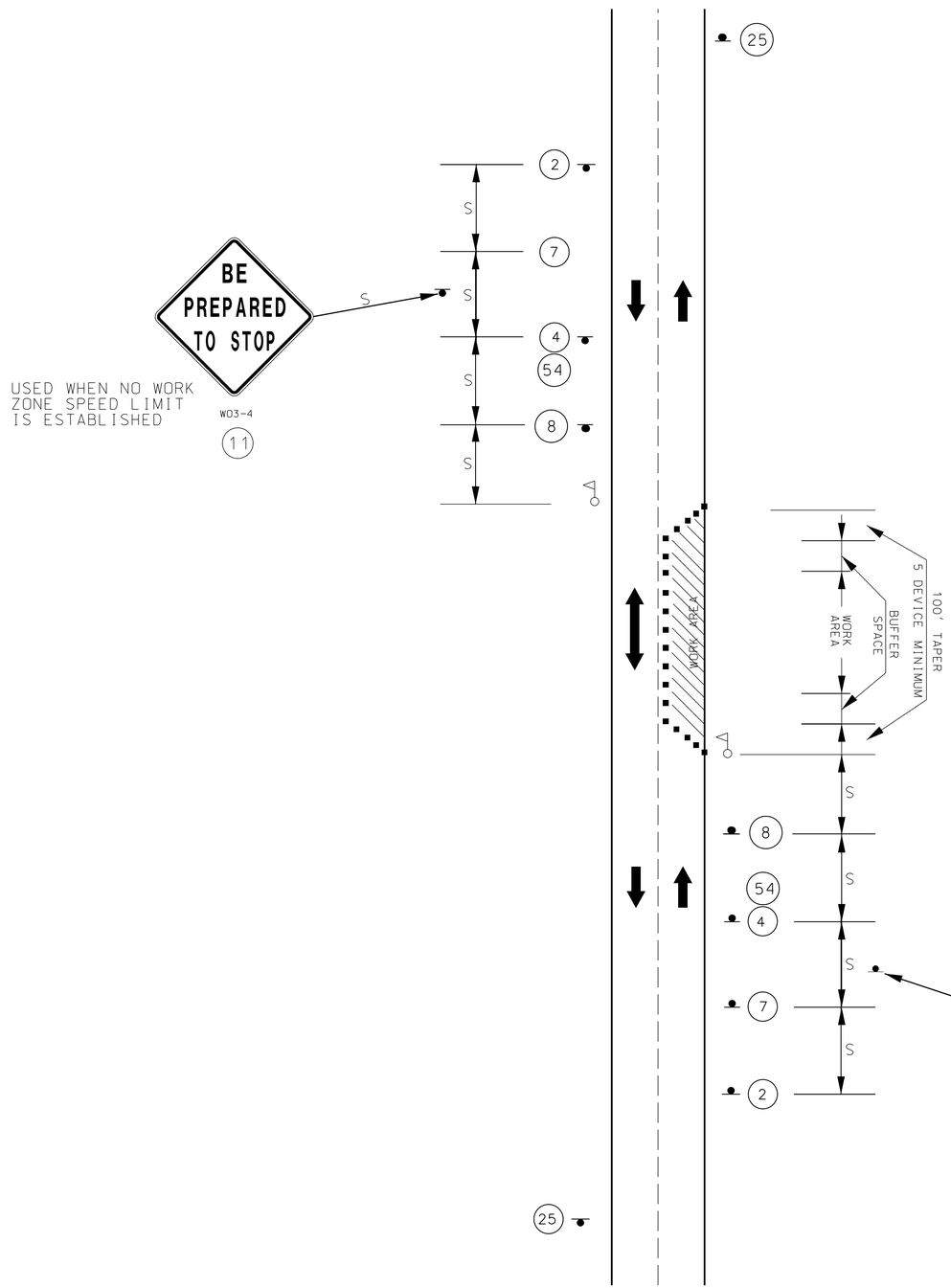
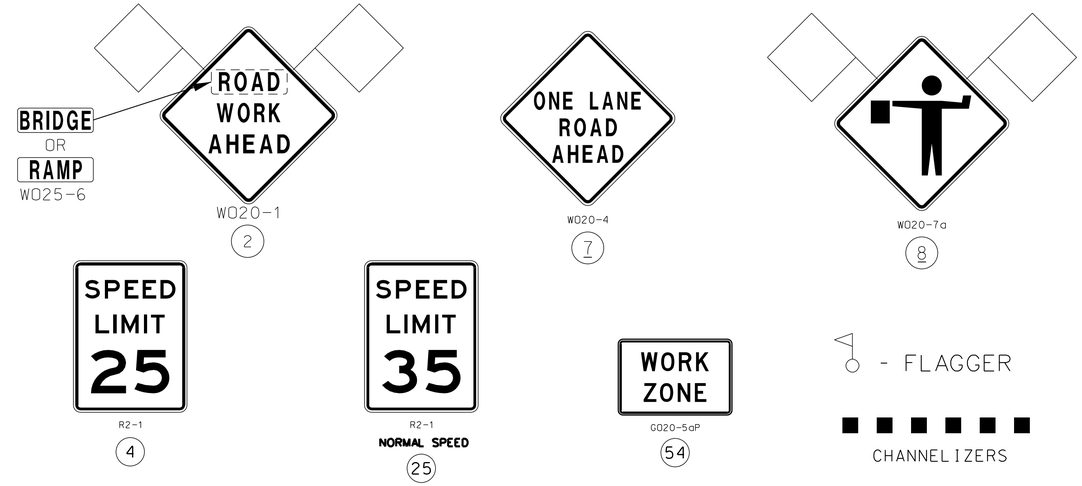


TA-10
LANE CLOSURE
ON TWO-LANE
ROAD USING FLAGGERS



NOTES: SEE TRAFFIC CONTROL SHEET 43 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 43 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

AUTOMATED FLAGGER ASSISTANCE DEVICES (AFAD) AND PORTABLE SIGNAL FLAGGING DEVICES (PSFD) MAY BE USED AS AND ALTERNATIVE FLAGGING OPERATION.

AFAD AND PSFD TYPICAL APPLICATIONS AND CRITERIA ARE LOCATED AT THE FOLLOWING: EPG 616.8.10A (TA-10A) LANE CLOSURE ON TWO-LANE HIGHWAYS USING AUTOMATED FLAGGER ASSISTANCE DEVICE WITH RED AND AMBER SIGNAL SYSTEM & EPG 616.8.10 (TA-10C) LANE CLOSURE ON TWO-LANE HIGHWAYS USING PORTABLE SIGNAL FLAGGING DEVICE.

IF RUMBLE STRIPS ARE USED, REVIEW 616.6.87 RUMBLE STRIPS.

IF USED AT NIGHT, THE FLAGGER STATIONS SHALL BE ILLUMINATED WITH AN AVERAGE MAINTAINED INTENSITY OF 0.6 FOOT CANDLES (6.5 LUX).

FOR FLAGS AND ADVANCE WARNING RAIL SYSTEMS, REFER TO EPG 616.6.2.2 FLAGS AND ADVANCED WARNING RAIL SYSTEM

56TH ST.
TRAFFIC CONTROL SHEET
PHASE 5
SHEET 3 OF 7

DATE PREPARED	6/26/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	45
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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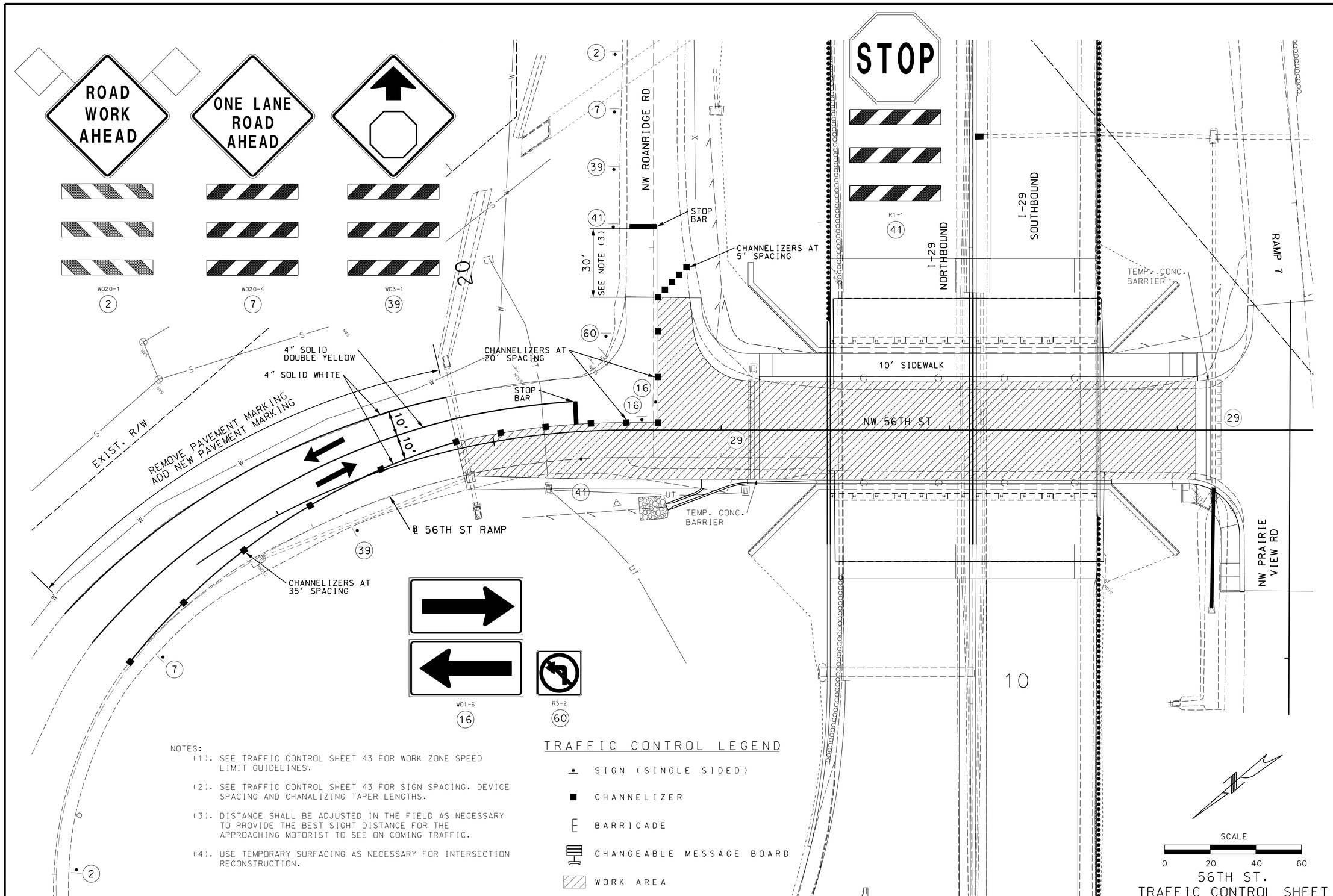

NOTES:

(1). SEE TRAFFIC CONTROL SHEET 43 FOR WORK ZONE SPEED LIMIT GUIDELINES.

(2). SEE TRAFFIC CONTROL SHEET 43 FOR SIGN SPACING, DEVICE SPACING AND CHANALIZING TAPER LENGTHS.

(3). DISTANCE SHALL BE ADJUSTED IN THE FIELD AS NECESSARY TO PROVIDE THE BEST SIGHT DISTANCE FOR THE APPROACHING MOTORIST TO SEE ON COMING TRAFFIC.

(4). USE TEMPORARY SURFACING AS NECESSARY FOR INTERSECTION RECONSTRUCTION.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA

56TH ST.
TRAFFIC CONTROL SHEET
PHASE 5A
SHEET 4 OF 7

DATE PREPARED	6/26/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	46
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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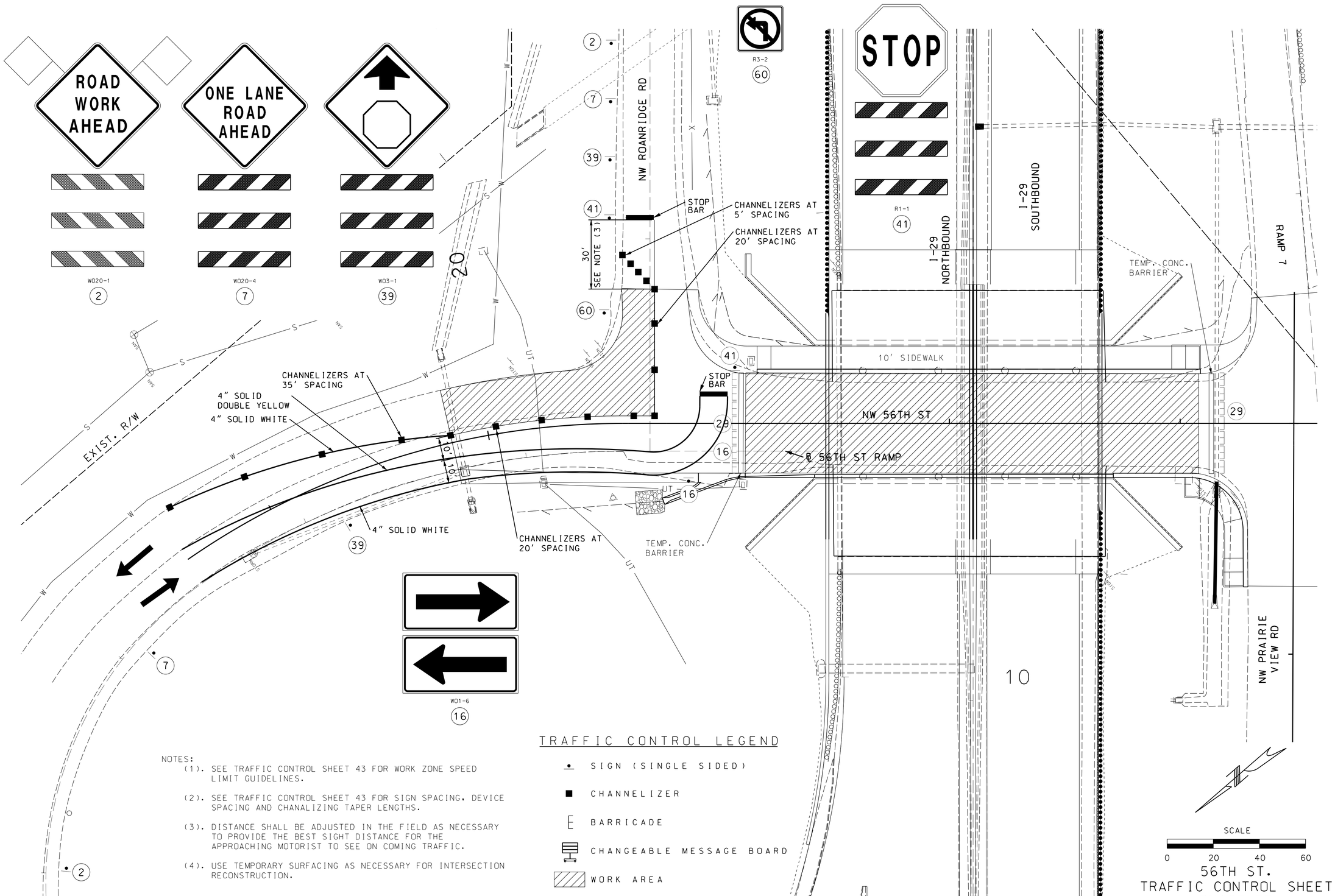

NOTES:

(1). SEE TRAFFIC CONTROL SHEET 43 FOR WORK ZONE SPEED LIMIT GUIDELINES.

(2). SEE TRAFFIC CONTROL SHEET 43 FOR SIGN SPACING, DEVICE SPACING AND CHANALIZING TAPER LENGTHS.

(3). DISTANCE SHALL BE ADJUSTED IN THE FIELD AS NECESSARY TO PROVIDE THE BEST SIGHT DISTANCE FOR THE APPROACHING MOTORIST TO SEE ON COMING TRAFFIC.

(4). USE TEMPORARY SURFACING AS NECESSARY FOR INTERSECTION RECONSTRUCTION.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA

56TH ST.
TRAFFIC CONTROL SHEET
PHASE 5B
SHEET 5 OF 7

DATE PREPARED	6/26/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	47
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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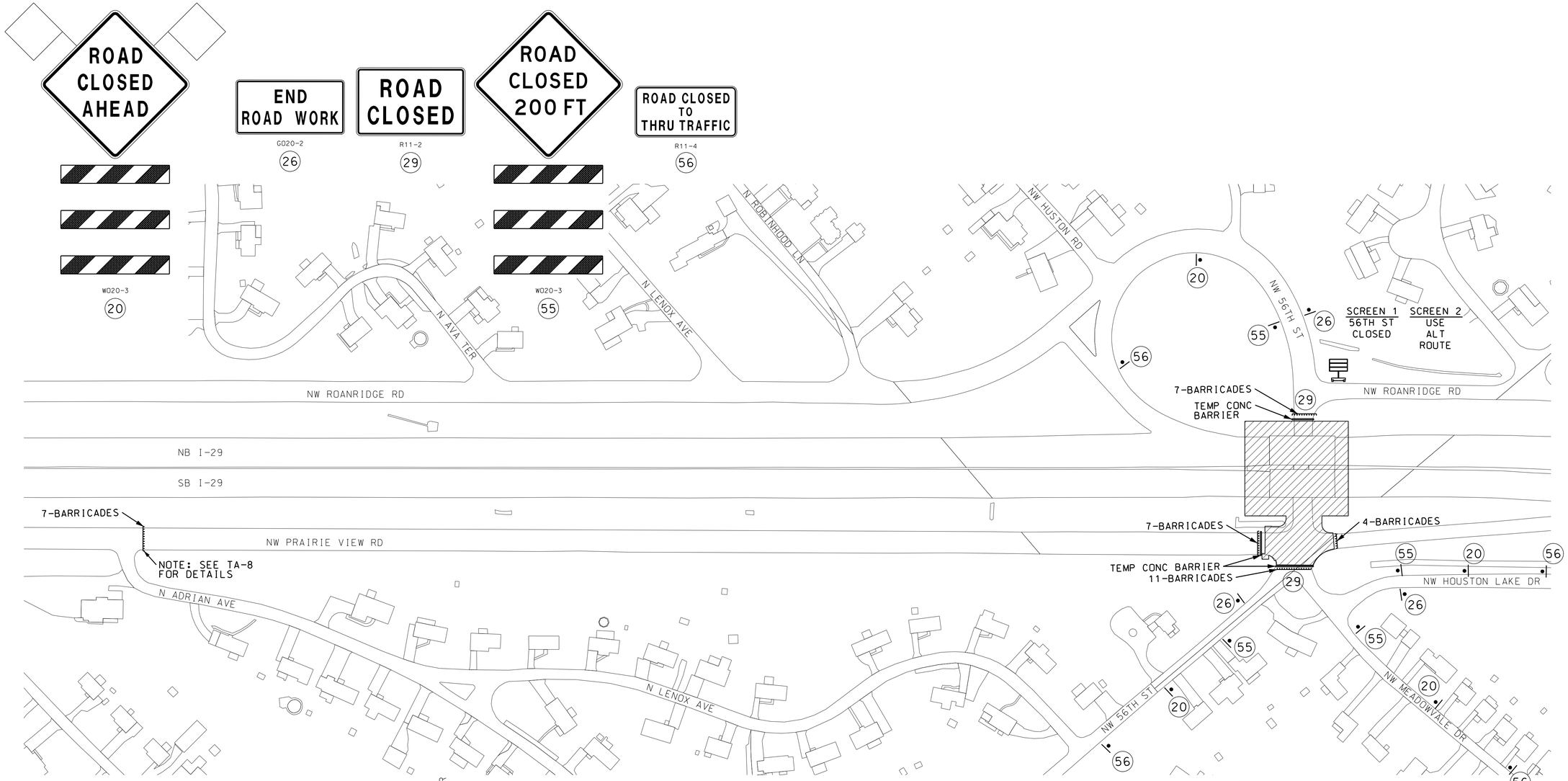
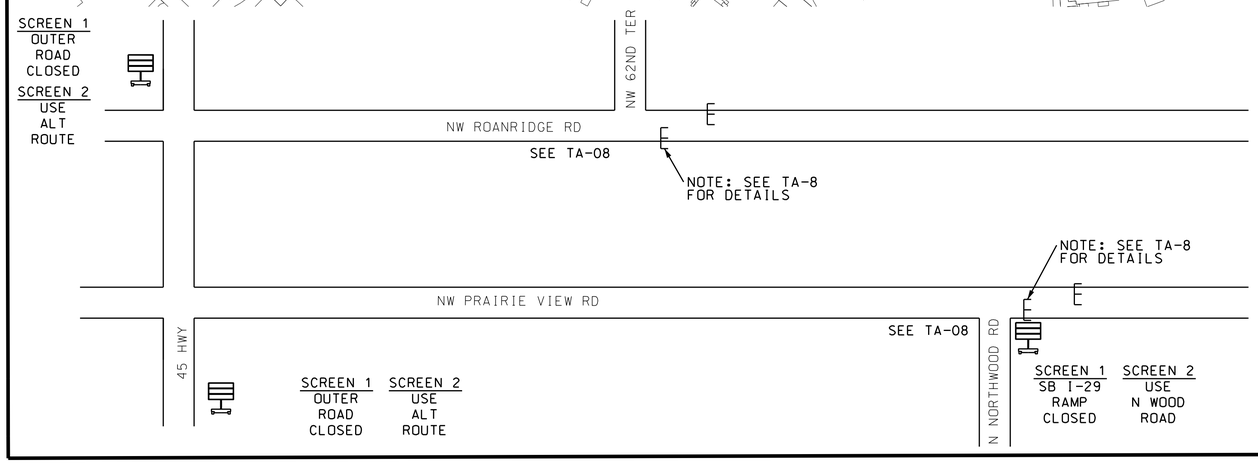


NOTE:
NW 56TH ST CLOSURE SHALL REMAIN IN PLACE DURING BRIDGE RECONSTRUCTION THRU COMPLETION.



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- TYPE III BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA

NOT TO SCALE

I-29 OVER 56TH ST.
TRAFFIC CONTROL SHEET
PHASE 5C
SHEET 6 OF 7

DATE PREPARED	6/26/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	48
COUNTY	PLATTE
JOB NO.	J413291
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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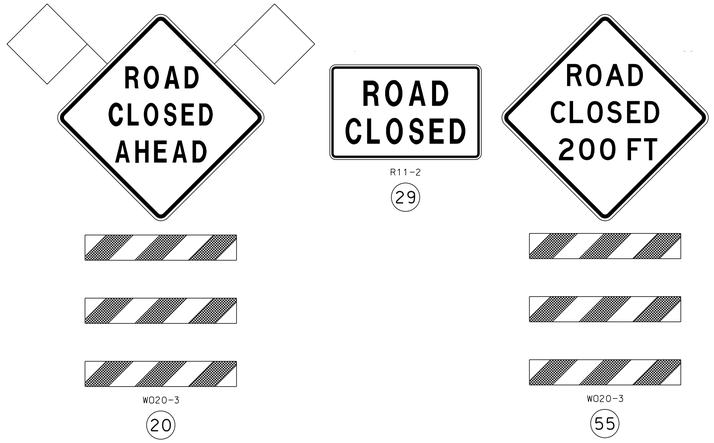

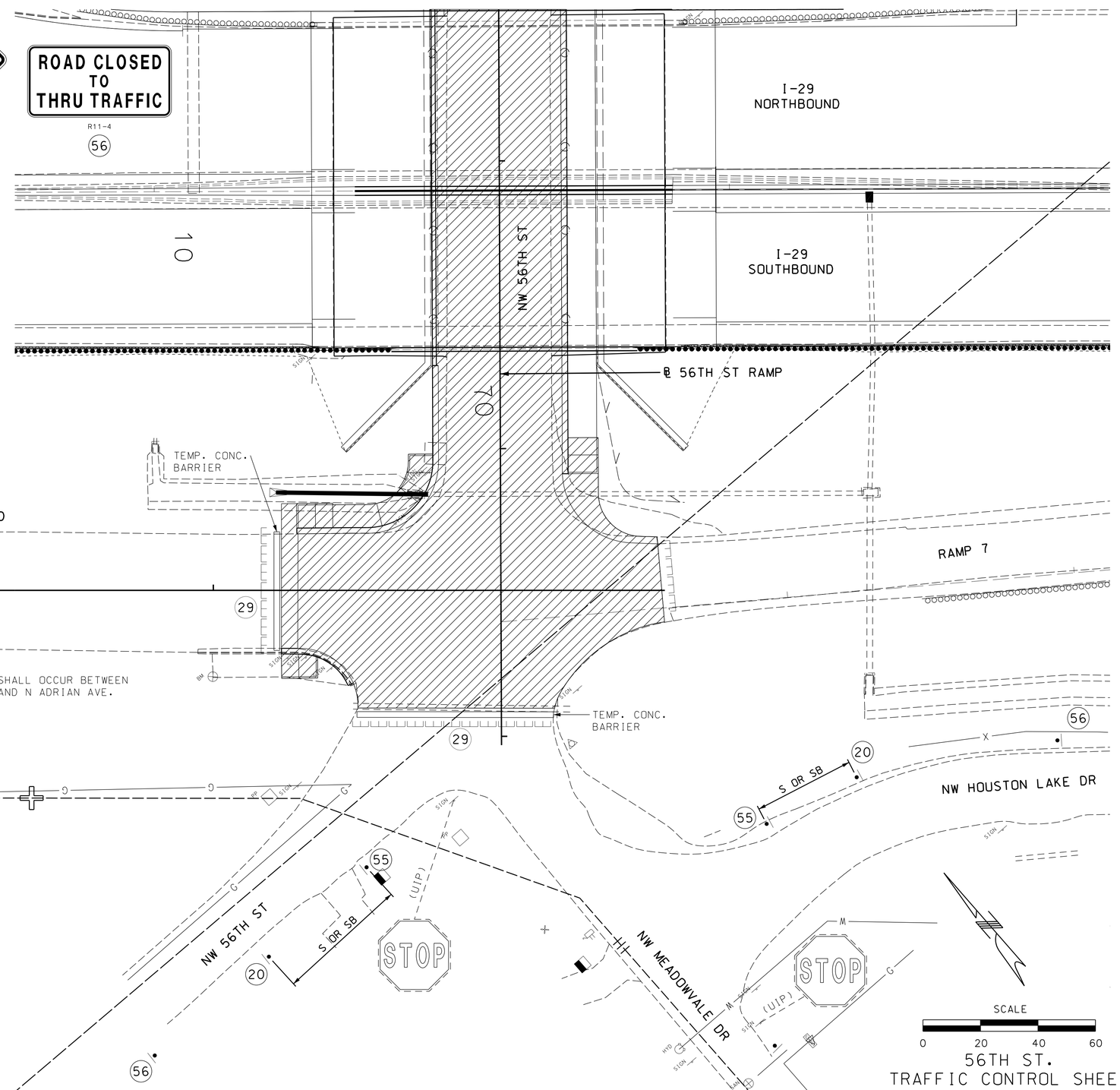

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- WORK AREA

NOTES:

(1). SEE TRAFFIC CONTROL SHEET 43 FOR WORK ZONE SPEED LIMIT GUIDELINES.

(2). SEE TRAFFIC CONTROL SHEET 43 FOR SIGN SPACING, DEVICE SPACING AND CHANALIZING TAPER LENGTHS.

(3). DISTANCE SHALL BE ADJUSTED IN THE FIELD AS NECCESSARY TO PROVIDE THE BEST SIGHT DISTANCE FOR THE APPROACHING MOTORIST TO SEE ON COMING TRAFFIC.

56TH ST. TRAFFIC CONTROL SHEET PHASE 5C SHEET 7 OF 7

DATE PREPARED	6/26/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	49
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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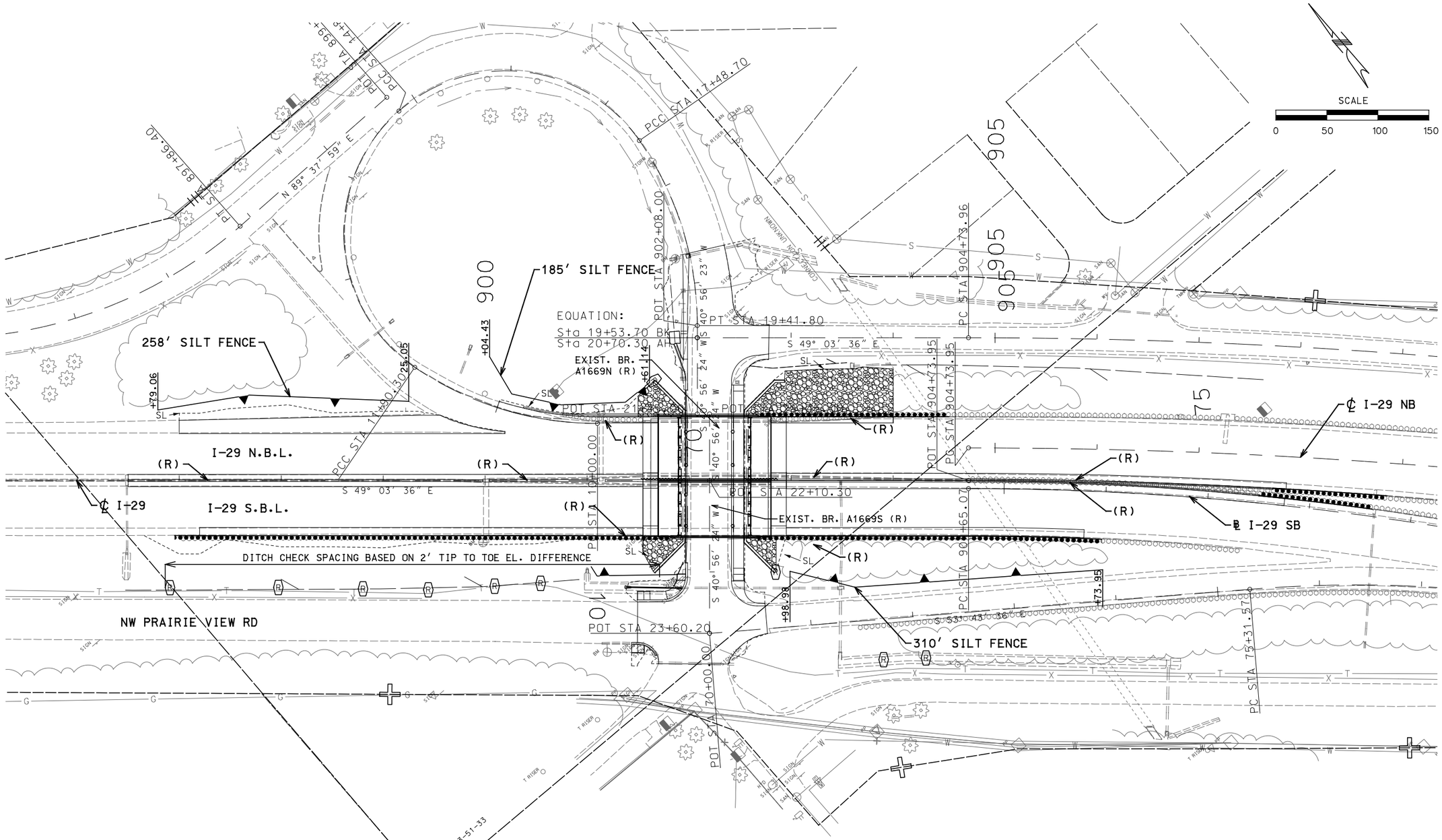

TEMPORARY EROSION CONTROL LEGEND

- (R) TYPE II DITCH CHECK
- (D) DROP INLET CHECK
- DITCH
- SILT FENCE

NOTES:

DITCH CHECK SPACING BASED ON 24" TALL DITCH CHECKS.

TYPE II DITCH CHECKS LOCATED WITHIN CLEAR ZONE AS SHOWN ON TYPICAL SECTIONS SHALL NOT BE OF THE ROCK TYPE.

FOR EROSION CONTROL MEASURES ALONG 56TH ST SEE SHEET NO. 42

I-29 OVER 56TH ST. EROSION CONTROL SHEET 1 OF 2

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	50
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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Certificate of Authority No. : 000165
BMcD Project No. 109387

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REV.

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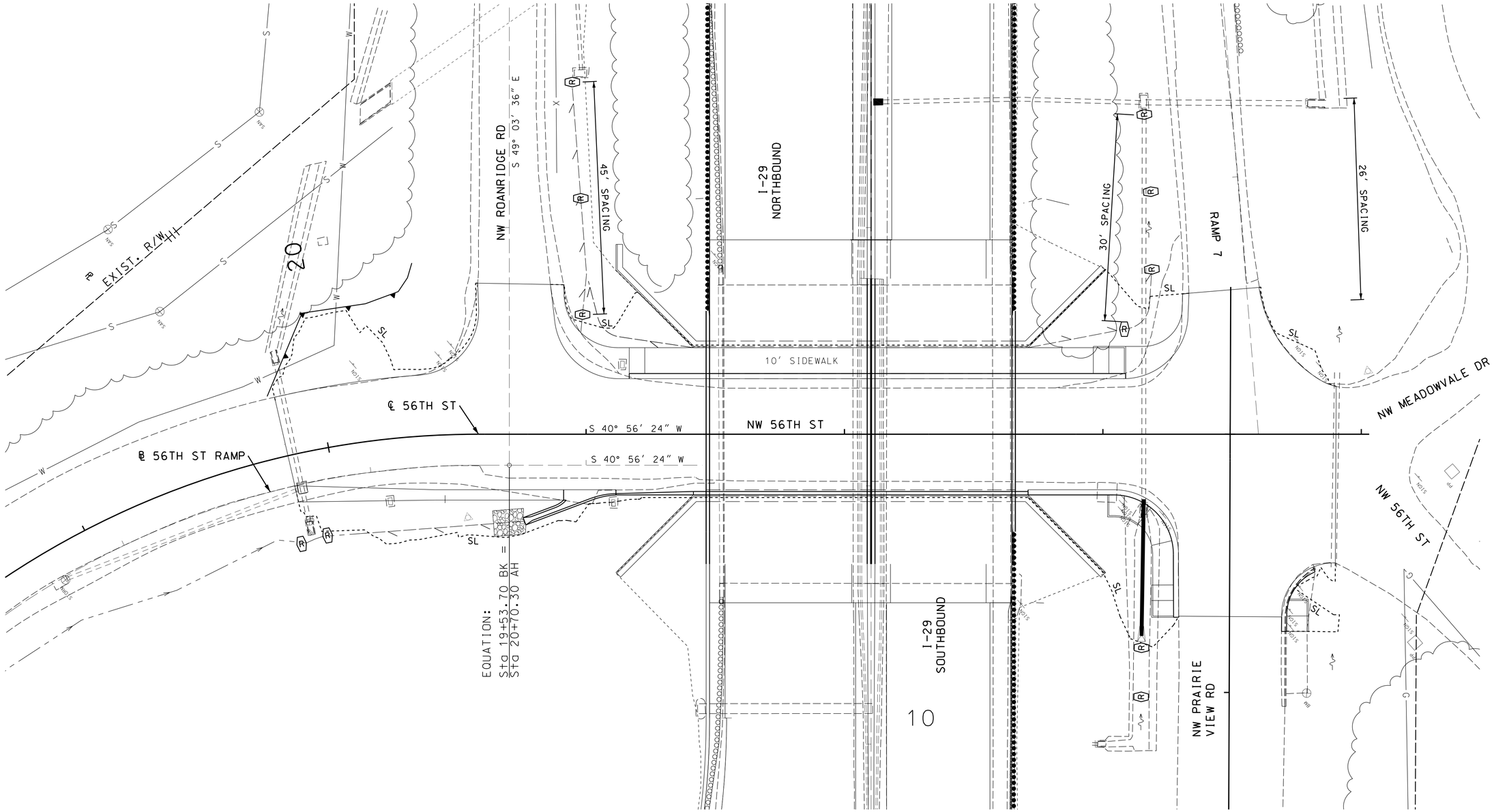

TEMPORARY EROSION CONTROL LEGEND

(R) ROCK DITCH CHECK

SILT FENCE

SCALE

0 20 40 60

EROSION CONTROL
56TH ST.
SHEET 2 OF 2

DATE PREPARED	
6/26/2020	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
KC	51
COUNTY	
PLATTE	
JOB NO.	
J4I3291	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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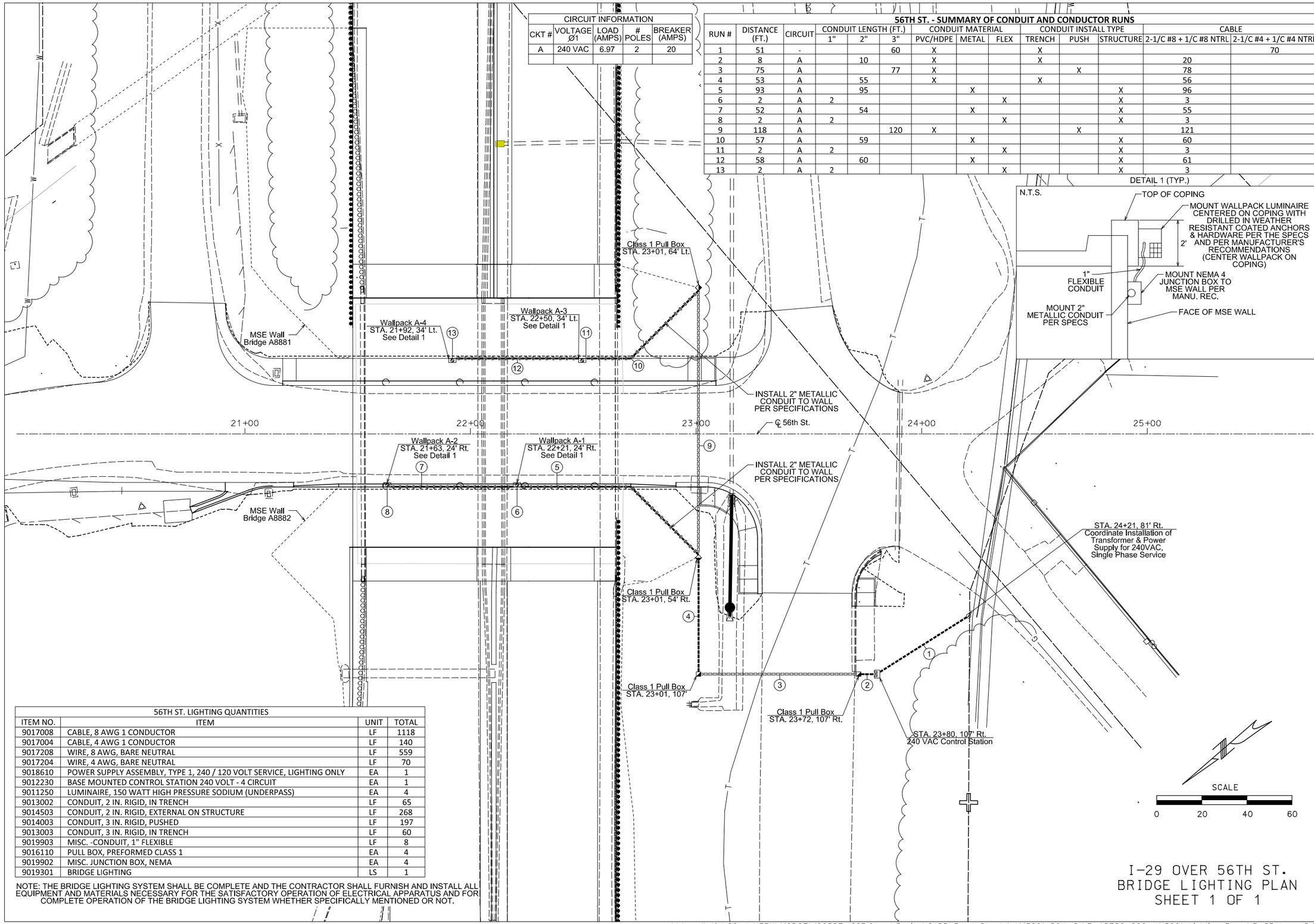
CIRCUIT INFORMATION				
CKT #	VOLTAGE Ø1	LOAD (AMPS)	# POLES	BREAKER (AMPS)
A	240 VAC	6.97	2	20

56TH ST. - SUMMARY OF CONDUIT AND CONDUCTOR RUNS

RUN #	DISTANCE (FT.)	CIRCUIT	CONDUIT LENGTH (FT.)			CONDUIT MATERIAL			CONDUIT INSTALL TYPE			CABLE	
			1"	2"	3"	PVC/HDPE	METAL	FLEX	TRENCH	PUSH	STRUCTURE	2-1/C #8 + 1/C #8 NTRL	2-1/C #4 + 1/C #4 NTRL
1	51	-			60	X			X				70
2	8	A		10		X			X			20	
3	75	A			77	X				X		78	
4	53	A		55		X			X			56	
5	93	A		95			X				X	96	
6	2	A	2					X			X	3	
7	52	A		54			X				X	55	
8	2	A	2					X			X	3	
9	118	A			120	X				X		121	
10	57	A		59			X				X	60	
11	2	A	2					X			X	3	
12	58	A		60			X				X	61	
13	2	A	2					X			X	3	



DETAIL 1 (TYP.)

N.T.S.

TOP OF COPING

MOUNT WALLPACK LUMINAIRE CENTERED ON COPING WITH DRILLED IN WEATHER RESISTANT COATED ANCHORS & HARDWARE PER THE SPECS AND PER MANUFACTURER'S RECOMMENDATIONS (CENTER WALLPACK ON COPING)

2'

1" FLEXIBLE CONDUIT

MOUNT NEMA 4 JUNCTION BOX TO MSE WALL PER MANU. REC.

MOUNT 2" METALLIC CONDUIT PER SPECS

FACE OF MSE WALL

56TH ST. LIGHTING QUANTITIES			
ITEM NO.	ITEM	UNIT	TOTAL
9017008	CABLE, 8 AWG 1 CONDUCTOR	LF	1118
9017004	CABLE, 4 AWG 1 CONDUCTOR	LF	140
9017208	WIRE, 8 AWG, BARE NEUTRAL	LF	559
9017204	WIRE, 4 AWG, BARE NEUTRAL	LF	70
9018610	POWER SUPPLY ASSEMBLY, TYPE 1, 240 / 120 VOLT SERVICE, LIGHTING ONLY	EA	1
9012230	BASE MOUNTED CONTROL STATION 240 VOLT - 4 CIRCUIT	EA	1
9011250	LUMINAIRE, 150 WATT HIGH PRESSURE SODIUM (UNDERPASS)	EA	4
9013002	CONDUIT, 2 IN. RIGID, IN TRENCH	LF	65
9014503	CONDUIT, 2 IN. RIGID, EXTERNAL ON STRUCTURE	LF	268
9014003	CONDUIT, 3 IN. RIGID, PUSHED	LF	197
9013003	CONDUIT, 3 IN. RIGID, IN TRENCH	LF	60
9019903	MISC. -CONDUIT, 1" FLEXIBLE	LF	8
9016110	PULL BOX, PREFORMED CLASS 1	EA	4
9019902	MISC. JUNCTION BOX, NEMA	EA	4
9019301	BRIDGE LIGHTING	LS	1

NOTE: THE BRIDGE LIGHTING SYSTEM SHALL BE COMPLETE AND THE CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT AND MATERIALS NECESSARY FOR THE SATISFACTORY OPERATION OF ELECTRICAL APPARATUS AND FOR COMPLETE OPERATION OF THE BRIDGE LIGHTING SYSTEM WHETHER SPECIFICALLY MENTIONED OR NOT.

I-29 OVER 56TH ST.
BRIDGE LIGHTING PLAN
SHEET 1 OF 1

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	
7/19/2020	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
KC	52
COUNTY	
PLATTE	
JOB NO.	
J4I3291	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION	REV.

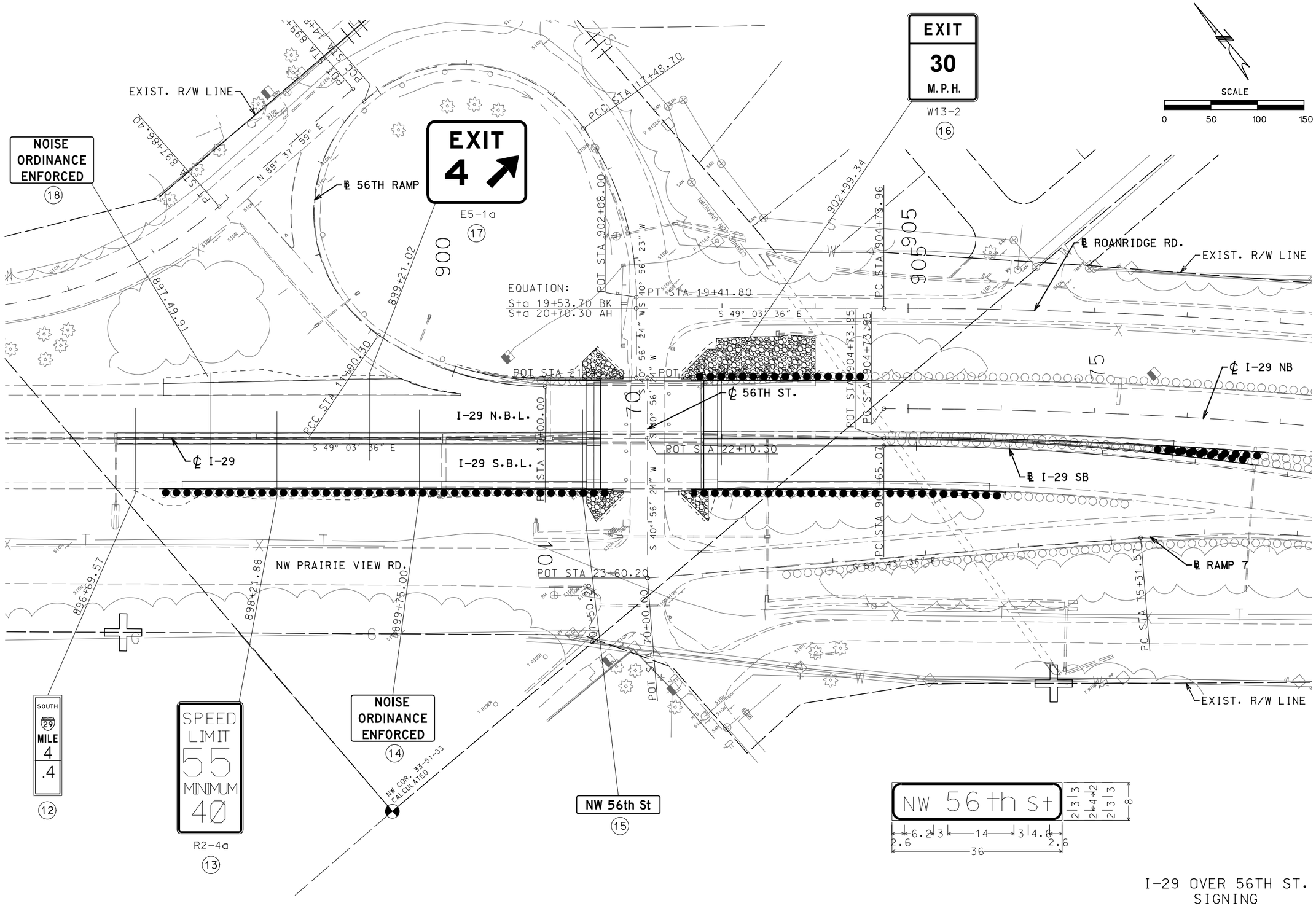
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority
No. : 000165
BMcD Project No. 109387

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

\\bmcd\dfs\Clients\TRN\MODOT\109387_I29Bridges\Design\CADD\Road_Sheets\J413291_56th St\B_A8782_000_J413291_Lighting_Plan_NB_SB.dgn 5:34:32 PM 7/19/2020



I-29 OVER 56TH ST.
SIGNING
SHEET 1 OF 4

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	
7/19/2020	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
KC	53
COUNTY	
PLATTE	
JOB NO.	
J4I3291	
CONTRACT ID.	
.	
PROJECT NO.	
.	
BRIDGE NO.	
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DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.

9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

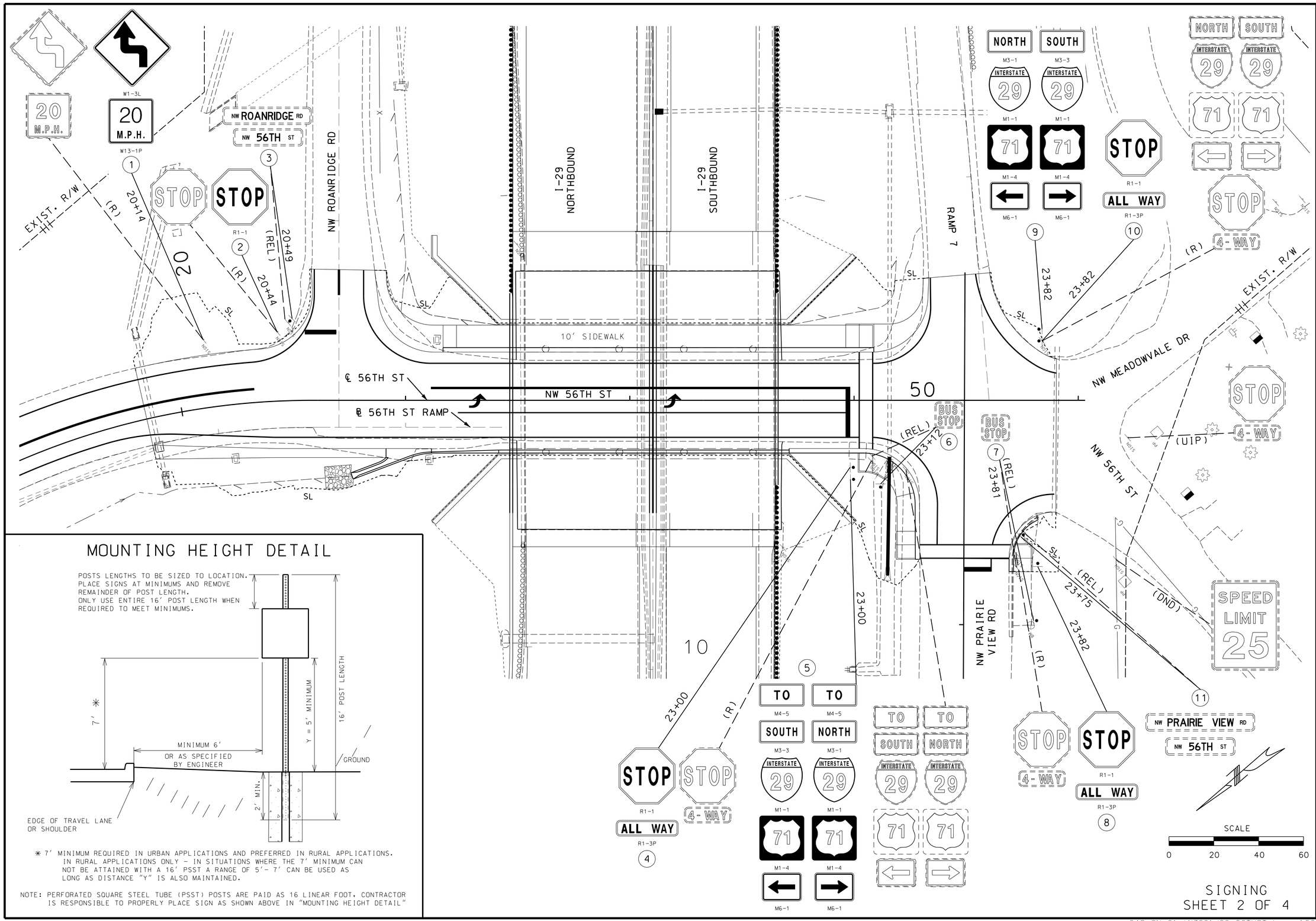
BURNS McDONNELL

Certificate of Authority
No. : 000165

BMcD Project No. 109387

REV.

\\bmcd\dfs\Clients\TRN\MODOT\109387_I29Bridges\Design\CADD\Road_Sheets\J413291_56th St\xxx_SN_01_J413291_I50.dgn 5:34:43 PM 7/19/2020



SIGNING
SHEET 2 OF 4

MOUNTING HEIGHT DETAIL

* 7' MINIMUM REQUIRED IN URBAN APPLICATIONS AND PREFERRED IN RURAL APPLICATIONS. IN RURAL APPLICATIONS ONLY - IN SITUATIONS WHERE THE 7' MINIMUM CAN NOT BE ATTAINED WITH A 16' PSST A RANGE OF 5'- 7' CAN BE USED AS LONG AS DISTANCE "Y" IS ALSO MAINTAINED.

NOTE: PERFORATED SQUARE STEEL TUBE (PSST) POSTS ARE PAID AS 16 LINEAR FOOT. CONTRACTOR IS RESPONSIBLE TO PROPERLY PLACE SIGN AS SHOWN ABOVE IN "MOUNTING HEIGHT DETAIL"

DATE PREPARED	6/26/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	54
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TREKK DESIGN GROUP, LLC
1411 East 108th St.
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Tel: (816) 874-4655
Fax: (816) 874-4675
www.trekkdesigngroup.com
Missouri Cert. of Authority 2002010300

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EFFECTIVE 12-01-2017

SIGNS (902 SIGNAL SIGNS TABULATED ON D-37A SHEET)						PIPE POST ✳					STRUCTURAL STEEL – POSTS ✳						BACKING BARS 2" X 3/8" BARS @ 2.55 LBS PER LIN FT				TOTAL	U CHANNEL POST	PERFORATED SQUARE STEEL TUBE POST – 2 IN							2.5 IN							FOOTINGS		REMARKS AND OTHER REQUIRED ITEMS.
SIGN NO.	SIGN SIZE	STATION	HORZ CLEAR IF NOT STD	LOCATION	SIGN DTL. SHT. NO.	PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO. 9031220	POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL	NO. EACH	LGTH IN.	TOTAL LF	TOTAL LBS	ITEM NO. 9031210	ITEM NO. 9031250	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A	ANCHOR 7 GA. ITEM NO. 9031273	OMNI 7 GA. ITEM NO. 9031279	ANCHOR 12 GA. ITEM NO. 9031271	OMNI 12 GA. ITEM NO. 9031278	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280	2.25" INSERT ITEM NO. 9031272	ANCHOR 7 GA. ITEM NO. 9031281	OMNI 7 GA. ITEM NO. 9031282	BREAK-AWAY ASSEMBLY ITEM NO. 9031241	EMBD ITEM NO. 9031010	BOLT DOWN ITEM NO. 9031020	
						IN.	LF	LF		LBS		LF	LF	LF		LBS		IN.	LF	LBS	LBS	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EACH	CU YDS	CU YDS	
1	ASSEMBLY	20+14		LEFT																			16		16			3									0.09		
2	36"X36"	20+44		LEFT																			16		16			3									0.09		
3	ASSEMBLY	20+49		LEFT																			16		16			3									0.09		RELOCATE EXIST. SIGNS
4	ASSEMBLY	23+00		RIGHT																			16		16			3									0.09		
5	ASSEMBLY	23+00		RIGHT													10	50	41.7	107	107									16		16	16			1	0.09		
6	ASSEMBLY	23+12		RIGHT																			16		16			3									0.09		RELOCATE EXIST. SIGNS
7	ASSEMBLY	23+81		RIGHT																			16		16			3									0.09		RELOCATE EXIST. SIGNS
8	ASSEMBLY	23+82		RIGHT																			16		16			3									0.09		
9	ASSEMBLY	23+82		LEFT													10	50	41.7	107	107									16		16	16			1	0.09		
10	ASSEMBLY	23+82		LEFT																			16		16			3									0.09		
11	ASSEMBLY	23+75		RIGHT																			16		16			3									0.09		RELOCATE EXIST. SIGNS
12	ASSEMBLY	896+70		RIGHT																			16		16			3									0.09		
13	ASSEMBLY	898+22		RIGHT																										16	16	32	32				0.18		
14	24"X30"	899+75		RIGHT																			16		16			3									0.09		
15	36"X8"	901+50		RIGHT																			16		16			3									0.09		
16	ASSEMBLY	902+99		LEFT																										16		16	16				0.09		
17	ASSEMBLY	899+21		LEFT																			16		16			3		16	16	32	32			2	0.18		
18	24"X30"	897+50		LEFT																			16		16			3									0.09		
SUBTOTAL																				220					144			27				32	32			2	1.0		
TOTAL																					220				144			27				32	32			2	1.0		

✳ BREAKAWAY ASSEMBLY IS INCIDENTAL FOR PIPE AND STRUCTURAL STEEL POSTS

ROUND PIPE POST AND FOOTING DATA TABLE

NOM. SIZE (IN.)	WEIGHT LBS/FT	WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	FOOTING DEPTH	CONCRETE C.Y.
2½	5.79	0.48	4'-3½"	12"	4'-6"	0.13
3	7.58	0.63	4'-3½"	12"	4'-6"	0.13
4	10.79	0.90	5'-3½"	18"	5'-6"	0.36

POST AND FOOTING DATA TABLE

POST DES. NO.	NOM. SIZE	POST WEIGHT LBS/FT	POST WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	LEVEL GROUND DEPTH	LEVEL GROUND C.Y.	6:1 GRADE DEPTH	6:1 GRADE C.Y.	4:1 GRADE DEPTH	4:1 GRADE C.Y.	3:1 OR 2:1 GRADE DEPTH	3:1 OR 2:1 GRADE C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

SIGNING SHEET 3 OF 4

D-29

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED 7/19/2020

ROUTE I-29 | STATE MO

DISTRICT KC | SHEET NO. 55

COUNTY PLATTE

JOB NO. J4I3291

CONTRACT ID. .

PROJECT NO. .

BRIDGE NO. .

DESCRIPTION	DATE
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority No. : 000165
BMcD Project No. 109387

BURNS McDONNELL

\\bmcd\dfs\Clients\TRN\MODOT\109387_I29Bridges\Design\CADD\Road_Sheets\J413291_56th St\xxx_SN_03_J413291_I1_D29.dgn 5:34:51 PM 7/19/2020

EFFECTIVE 10-01-2016

STANDARD SIGN ASSEMBLIES

SIGN NUMBER	STATION	LOCATION	W1-3L	W13-1P	R1-1	R1-3P	M4-5	M3-3	M3-1	M1-1	M1-4	M6-1	D10-5	R2-4a	W13-2	E5-1		
			SIGN DESCRIPTION, SIZES & NUMBER OF EACH															
1	20+14	LEFT	1	1														
2	20+44	LEFT			1													
4	23+00	RIGHT			1	1												
5	23+00	RIGHT					2	1	1	2	2	2						
8	23+82	RIGHT			1	1												
9	23+82	LEFT					2	1	1	2	2	2						
10	23+82	LEFT			1	1												
12	896+70	RIGHT											1					
13	898+75	RIGHT												1				
16	902+99	LEFT													1			
17	899+21	LEFT														1		

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	SIZE	FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF ✳ ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF ✳ ITEM NO. 9035071A
			SIZE, TYPE & SQUARE FEET				
(W1-3L) REVERSE TURN LEFT ARROW	STD	1	36"X36"		9.00		
(W13-1P) ADVISORY SPEED	STD	1	24"X24"		4.00		
(R1-1) STOP	STD	4	36"X36"	36.00			
(R1-3P) ALL WAY	STD	3	30"X12"	7.50			
(M4-5) TO MARKER	STD	4	24"X12"	8.00			
(M3-3) SOUTH - DIRECTION MARKER	STD	2	24"X12"	4.00			
(M3-1) NORTH- DIRECTION MARKER	STD	2	24"X12"	4.00			
(M1-1) INTERSTATE SHIELD	STD	4	24"X24"	16.00			
(M1-4) US NUMBERED ROUTE SHIELD	STD	4	24"X24"	16.00			
(M6-1) TURN ARROW	STD	4	21"X15"	8.75			
(D10-5) EMERGENCY REFERENCE	STD	1	18"X60"	7.50			
(R2-4a) COMBINATION SPEED LIMIT	STD	1	48"X96"	32.00			
(W13-2) ADVISORY EXIT SPEED SIGN	STD	1	24"X30"	5.00			
(E5-1) EXIT GORE SIGN	STD	1	78"X60"	32.50			
		TOTAL		101	13		

✳ ORANGE, YELLOW & YELLOW/GREEN

SIGNING
SHEET 4 OF 4

D-30

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED 7/19/2020
ROUTE I-29 | STATE MO
DISTRICT KC | SHEET NO. 56
COUNTY PLATTE
JOB NO. J4I3291
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

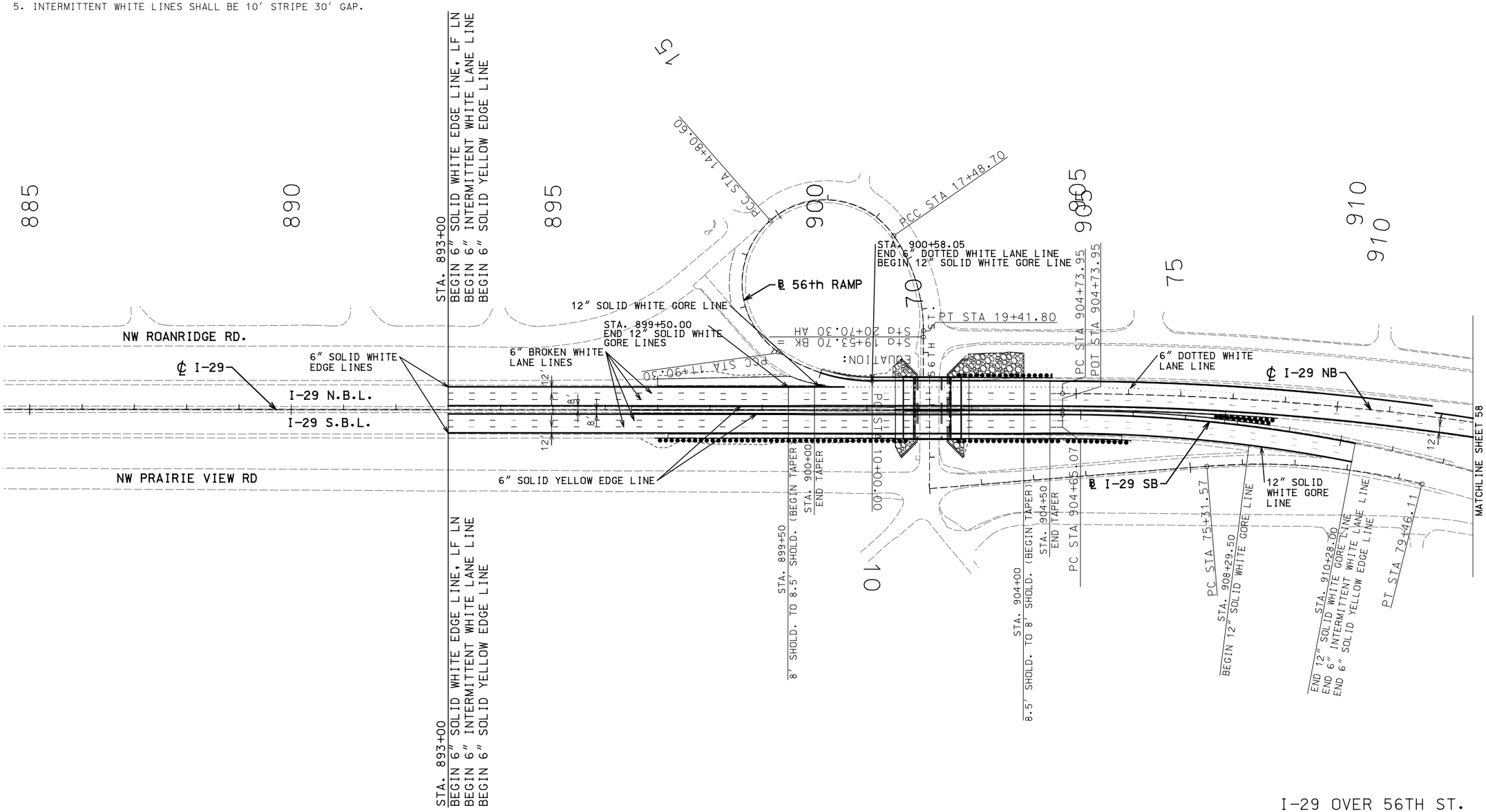
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority No. : 000165
BMcD Project No. 109387

NOTES:

1. ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE PAVEMENT MARKINGS SHOWN ON THIS SHEET ARE TO BE REMOVED.
2. ALL LANE AND EDGE LINES SHALL BE EPOXY. ALL INTERSECTION MARKING SHALL BE PREFORMED THERMOPLASTIC.
3. ALL MARKINGS OTHER THAN DOTTED AND INTERMITTENT LINES SHALL BE HIGH BUILD WATERBONE PAVEMENT MARKING.
4. DOTTED WHITE LINES SHALL BE 2′ STRIPE WITH A 3′ GAP.
5. INTERMITTENT WHITE LINES SHALL BE 10′ STRIPE 30′ GAP.



I-29 OVER 56TH ST.
PAVEMENT MARKING SHEETS
SHEET 1 OF 3

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	K.C
SHEET NO.	5.7
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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816-333-9400
Certificate of Authority No. : 000165
BMcD Project No. 109387

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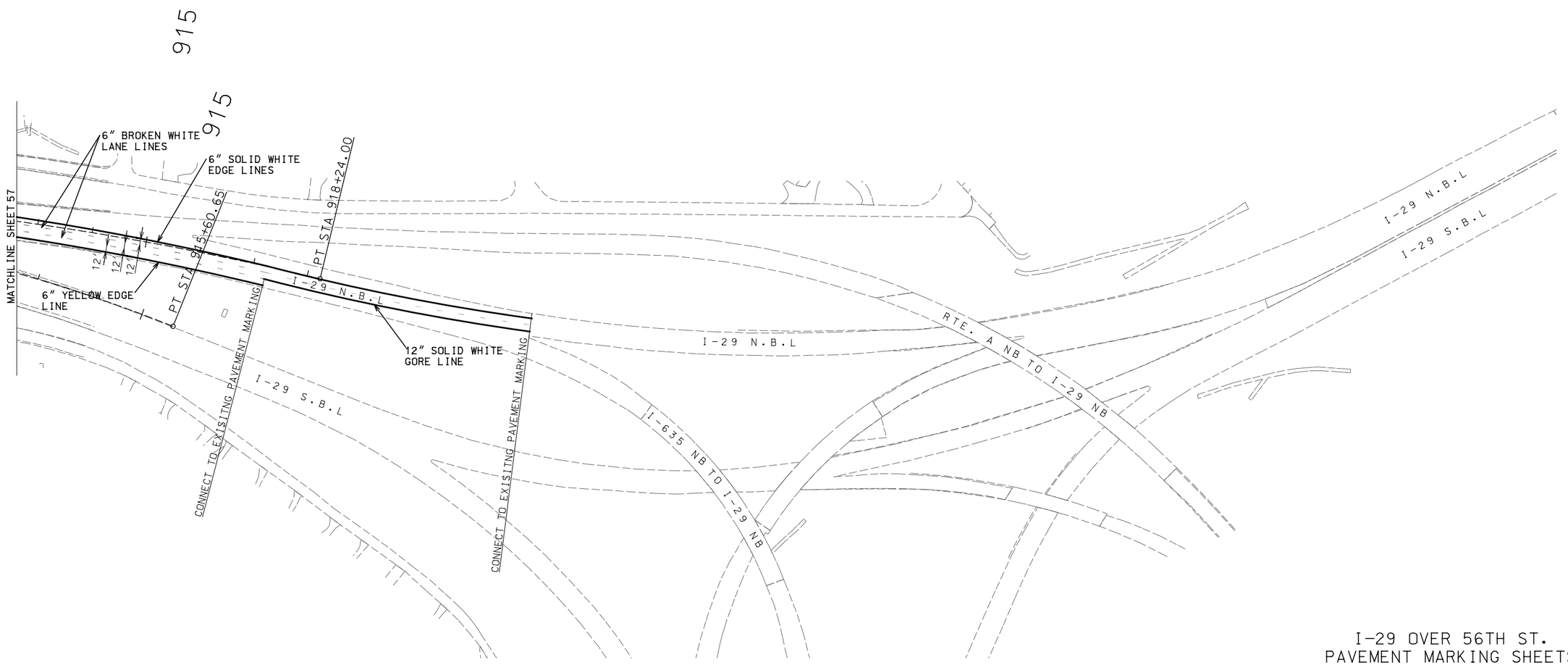
NOTES:

1. ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE PAVEMENT MARKINGS SHOWN ON THIS SHEET ARE TO BE REMOVED.
2. ALL LANE AND EDGE LINES SHALL BE EPOXY. ALL INTERSECTION MARKING SHALL BE PREFORMED THERMOPLASTIC.
3. ALL MARKINGS OTHER THAN DOTTED AND INTERMITTENT LINES SHALL BE HIGH BUILD WATERBONE PAVEMENT MARKING.
4. DOTTED WHITE LINES SHALL BE 2′ STRIPE WITH A 3′ GAP.
5. INTERMITTENT WHITE LINES SHALL BE 10′ STRIPE 30′ GAP.

SCALE

0 100 200 300 400 500



I-29 OVER 56TH ST.
PAVEMENT MARKING SHEETS
SHEET 2 OF 3

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	58
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
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Kansas City, Missouri 64114
816-333-9400
Certificate of Authority No. : 000165
BMcD Project No. 109387

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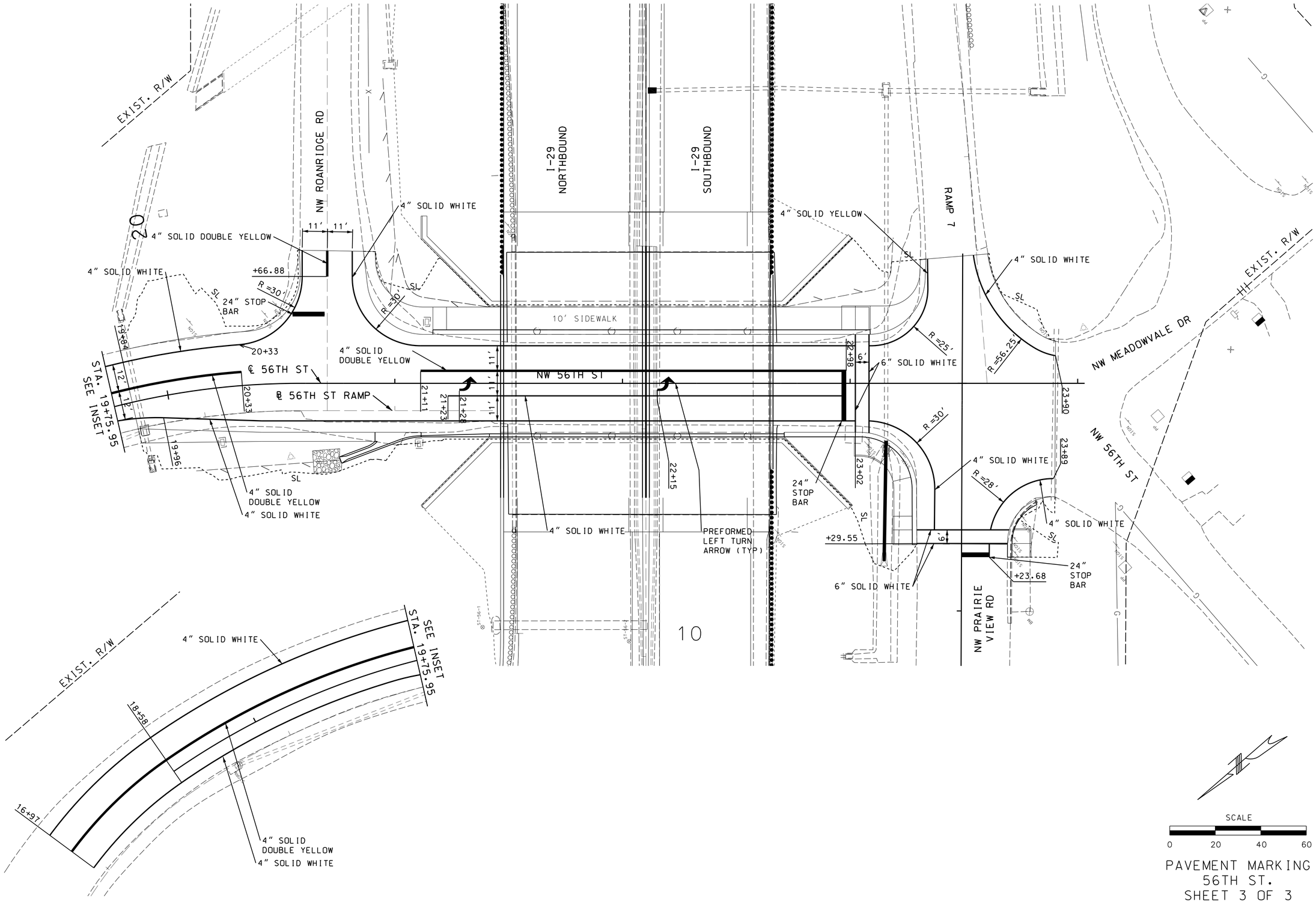

SCALE

0 20 40 60

PAVEMENT MARKING
56TH ST.
SHEET 3 OF 3

DATE PREPARED	6/26/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	59
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekkdesigngroup.com

Missouri Cert. of Authority 2002010300

TREKK DESIGN GROUP, LLC

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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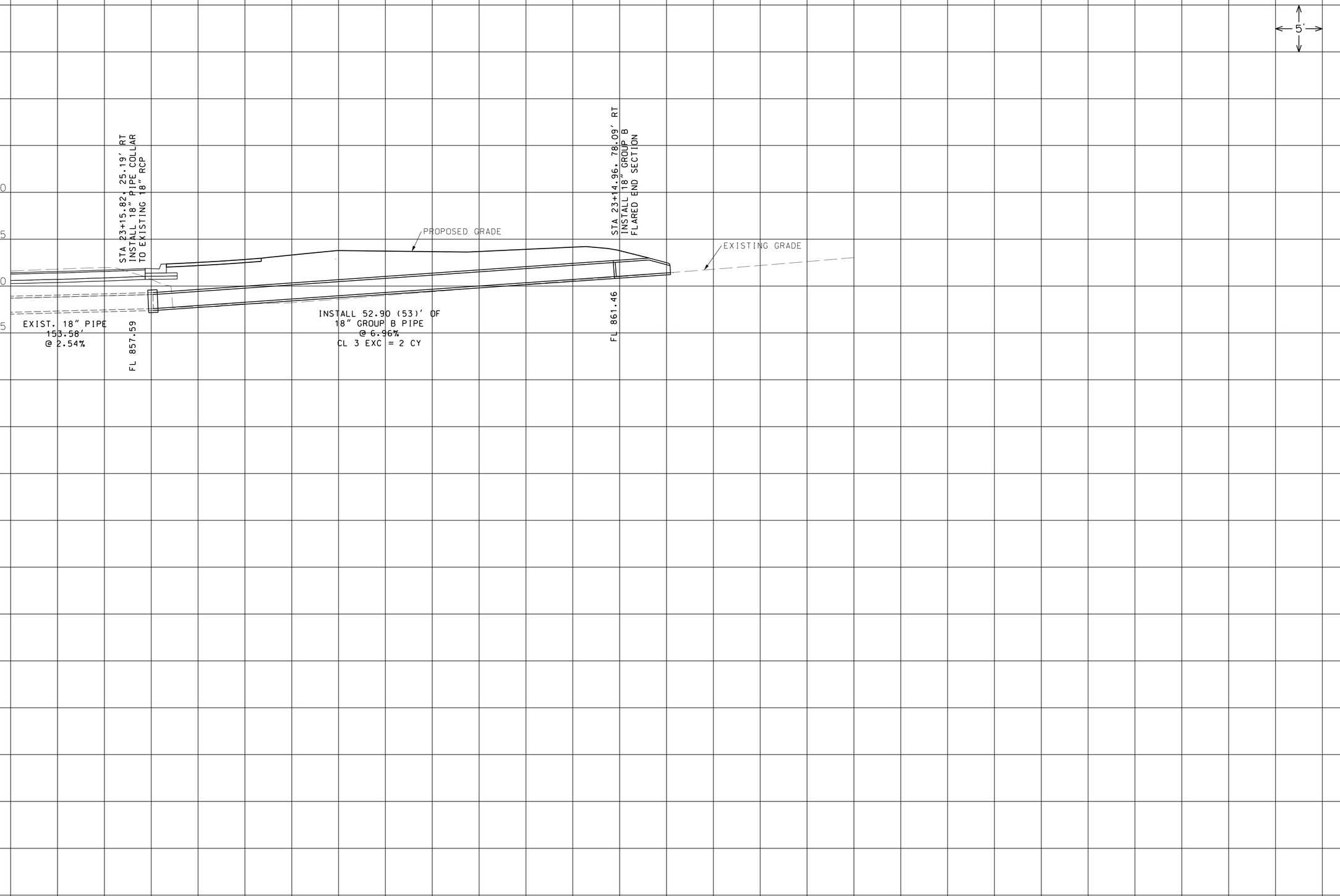

CULVERT SECTION
SHEET 1 OF 1

DATE PREPARED
6/26/2020

ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
KC	60

COUNTY
PLATTE

JOB NO.
J4I3291

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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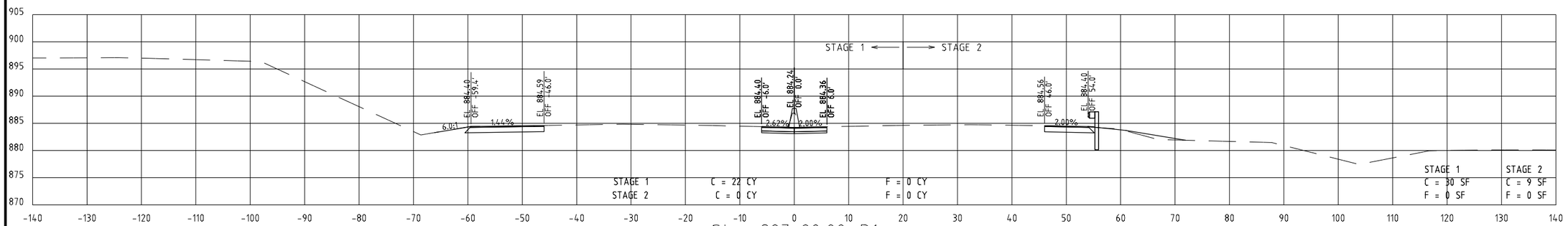
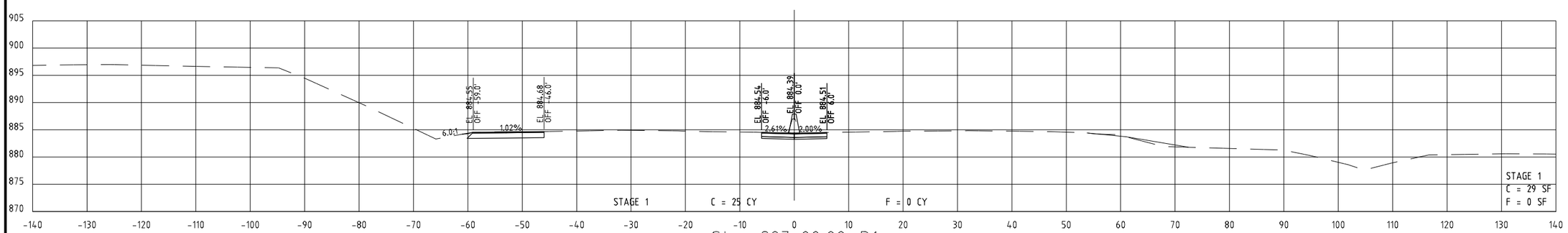
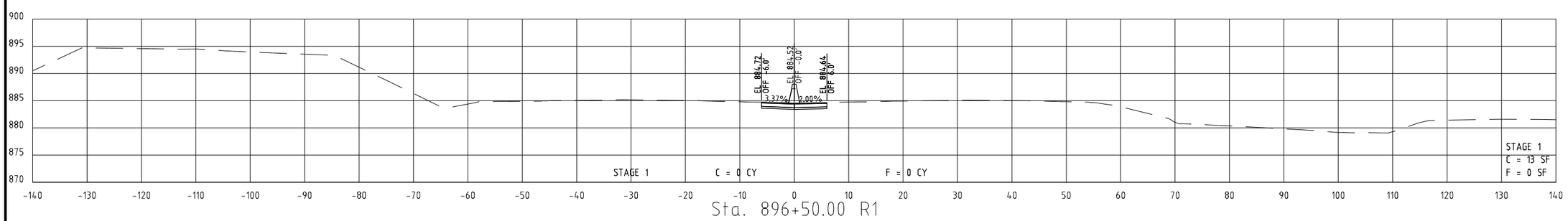


Sta. 897+20.00 R1



Sta. 897+00.00 R1



Sta. 896+50.00 R1

I-29 STA. 896+50.00 TO 897+20.00

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	1
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

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BURNS McDONNELL

Certificate of Authority No. : 000165

BMcD Project No. 109387

REV.

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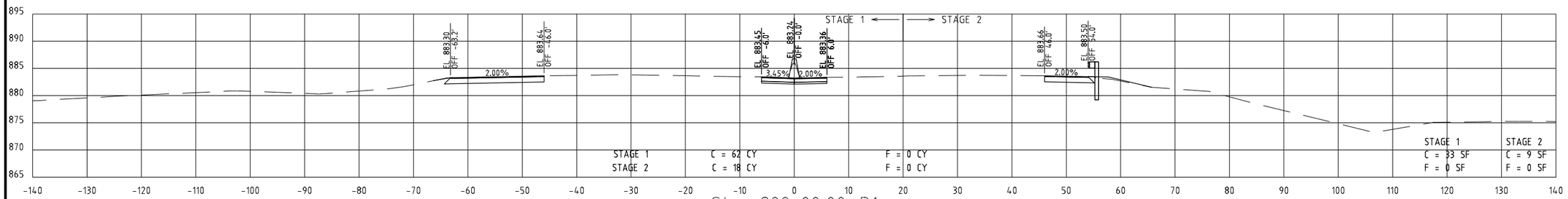
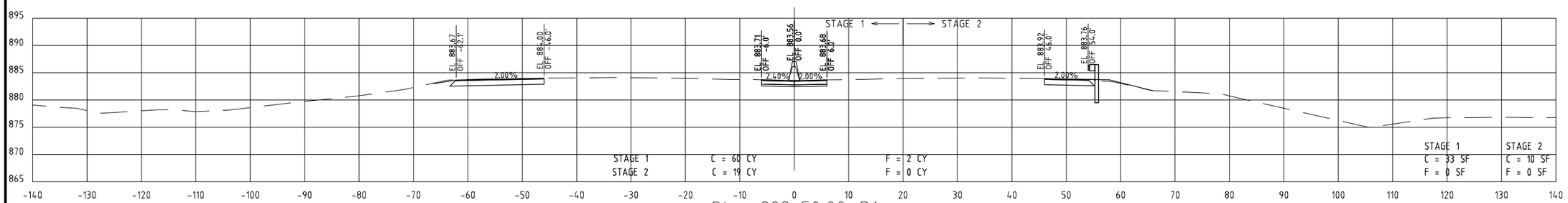


Sta. 899+00.00 R1



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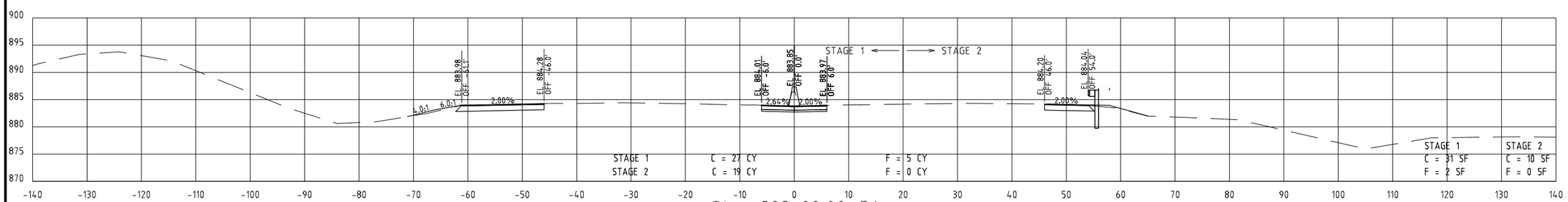

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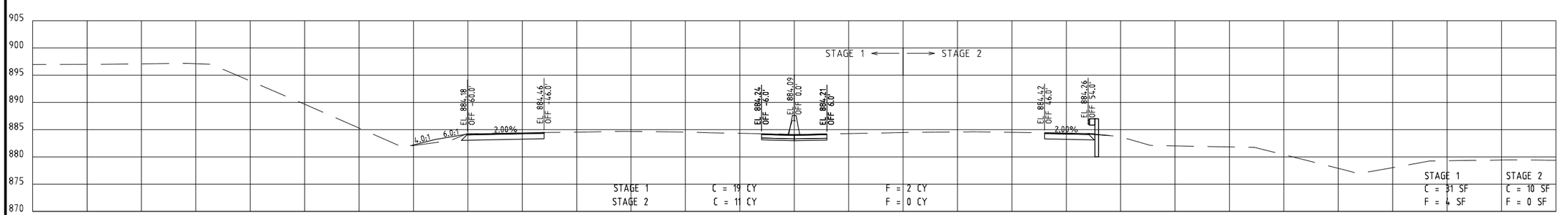

Sta. 897+50.00 R1

I-29 STA. 897+50.00 TO 899+00.00

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	2
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.

9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

Certificate of Authority
No. : 000165

BMcD Project No. 109387

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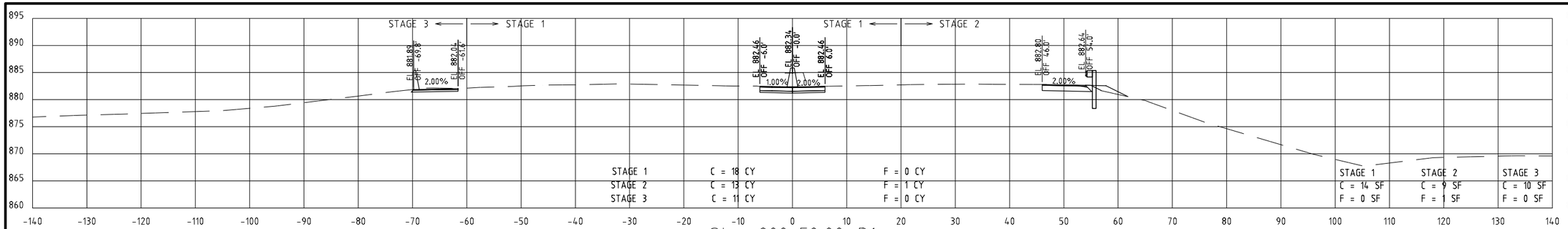
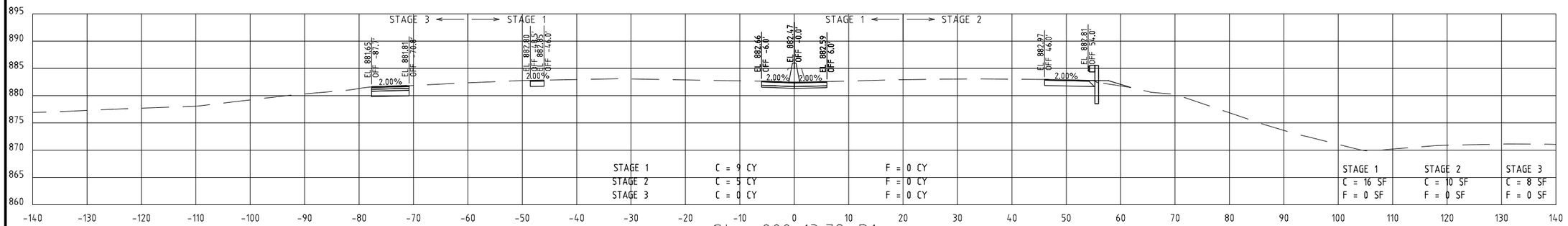


Sta. 900+50.00 R1



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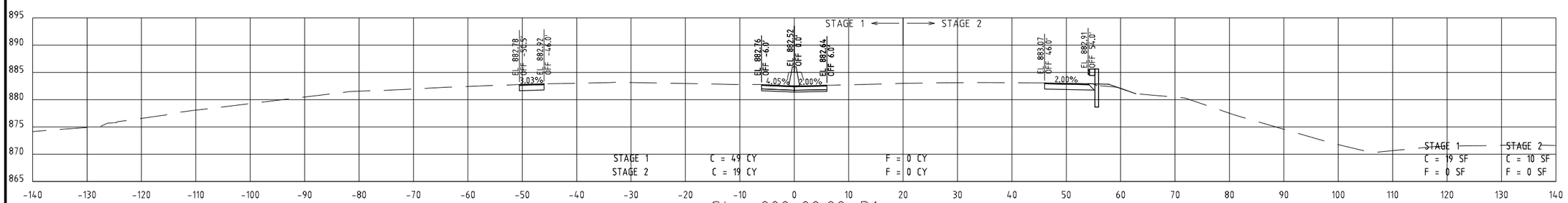
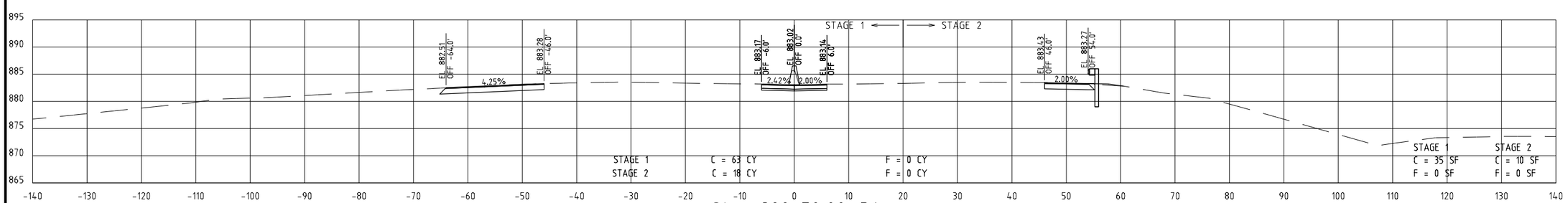


Sta. 900+00.00 R1



Sta. 899+50.00 R1

I-29 STA. 899+50.00 TO 900+50.00

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DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	K-C
SHEET NO.	3
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority No. : 000165
BMcD Project No. 109387

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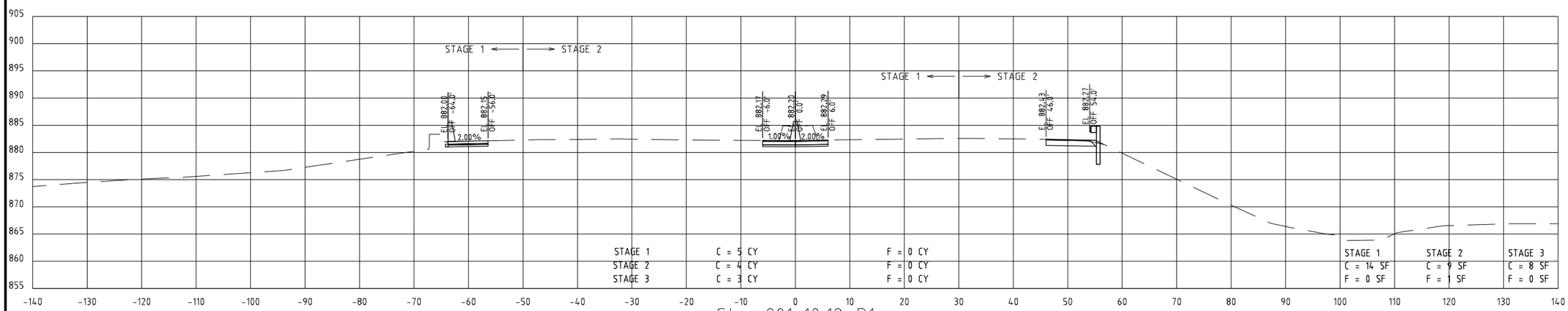
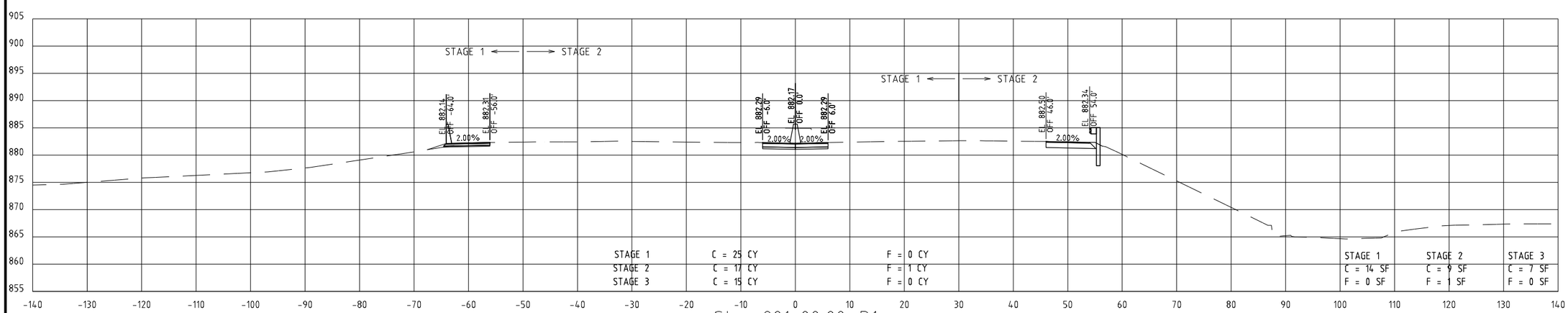


Sta. 901+10.12 R1



Sta. 901+00.00 R1

I-29 STA. 901+00.00 TO 901+10.12

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	4
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

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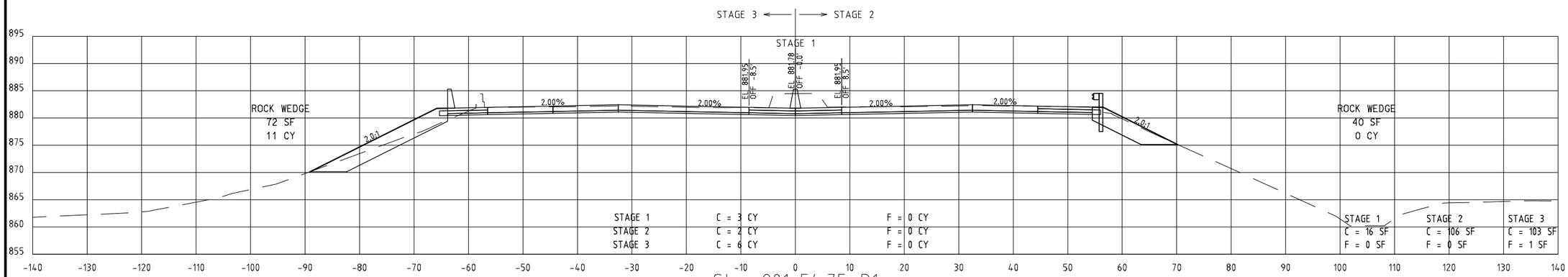
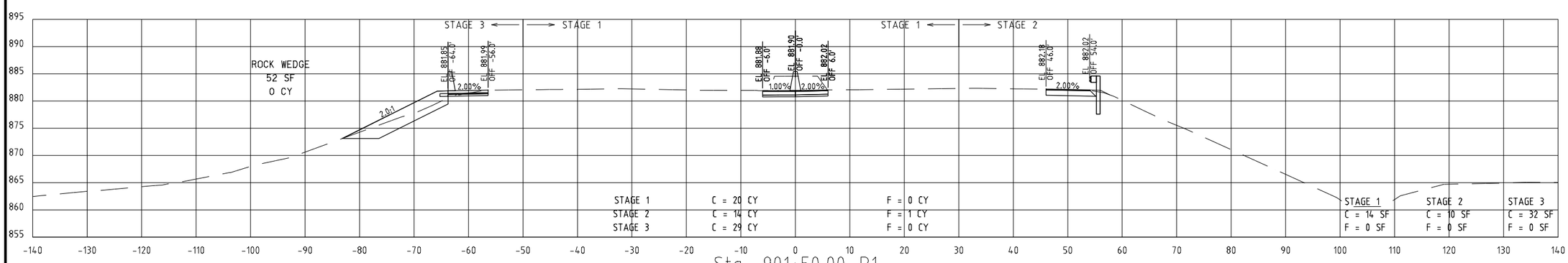


Sta. 901+54.75 R1



Sta. 901+50.00 R1

I-29 STA. 901+50.00 TO 901+54.75

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
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COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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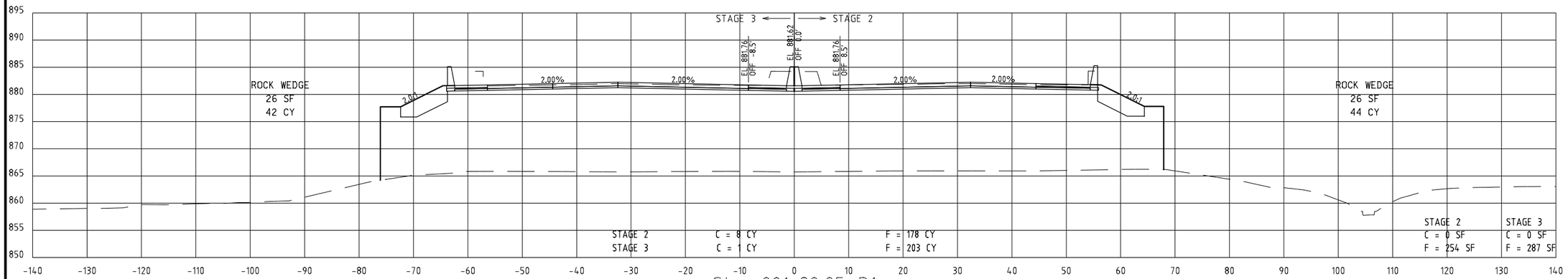
MSE WALL A8882 EXCAVATION

STAGE 2 C = 1378 CY
STAGE 3 C = 1281 CY

MSE WALL A8881 EXCAVATION

STAGE 2 C = 972 CY
STAGE 3 C = 914 CY



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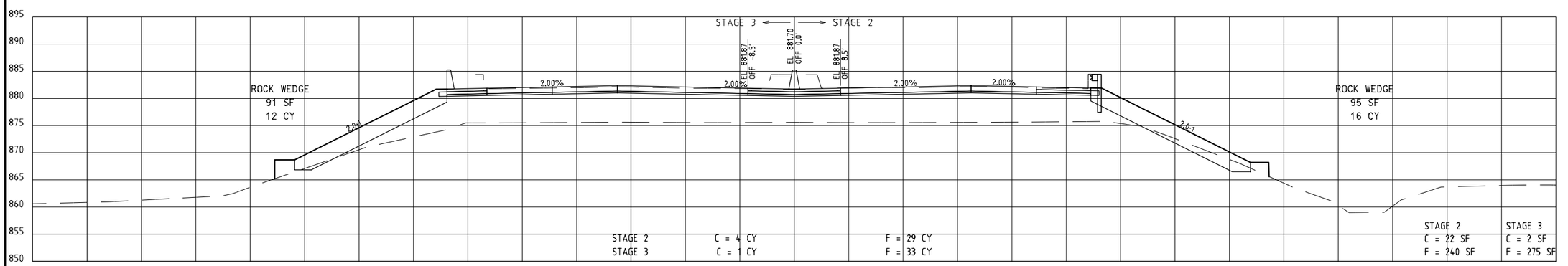

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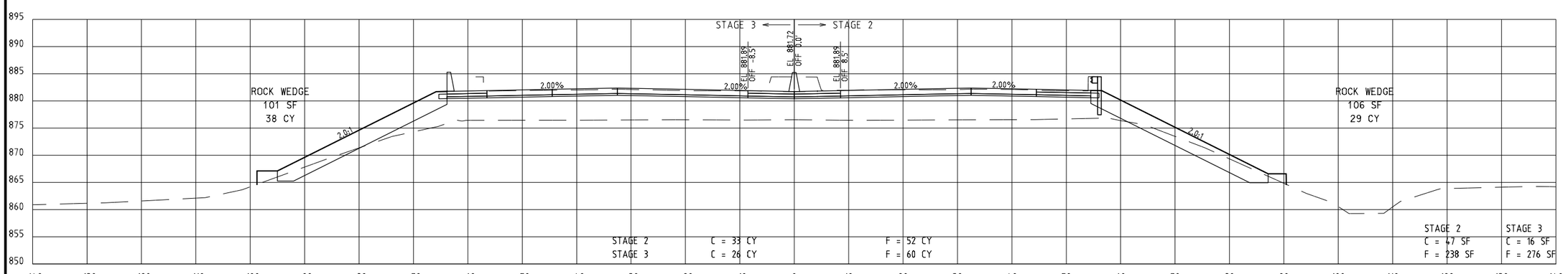

Sta. 901+66.50 R1

I-29 STA. 901+66.50 TO 901+89.25

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DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	K-C
SHEET NO.	6
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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No. : 000165

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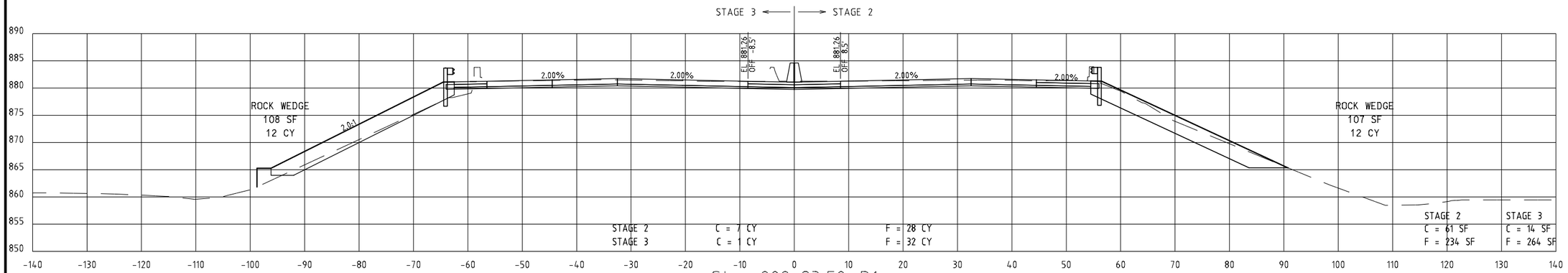
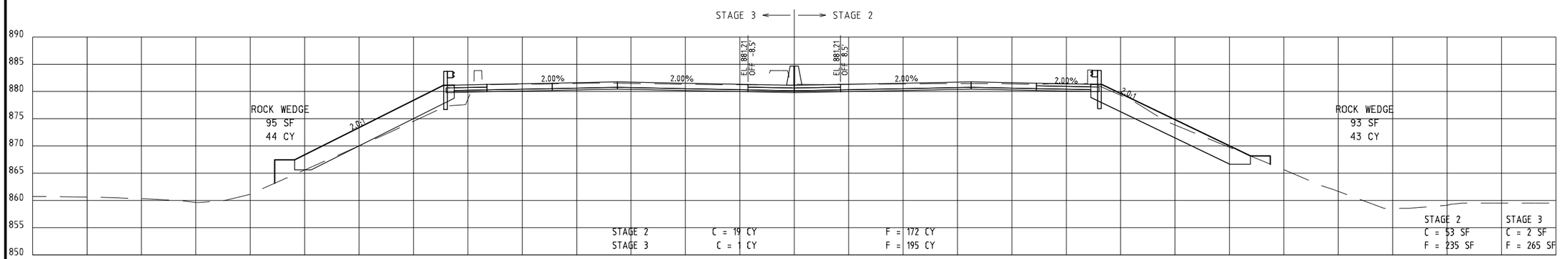


Sta. 902+83.50 R1



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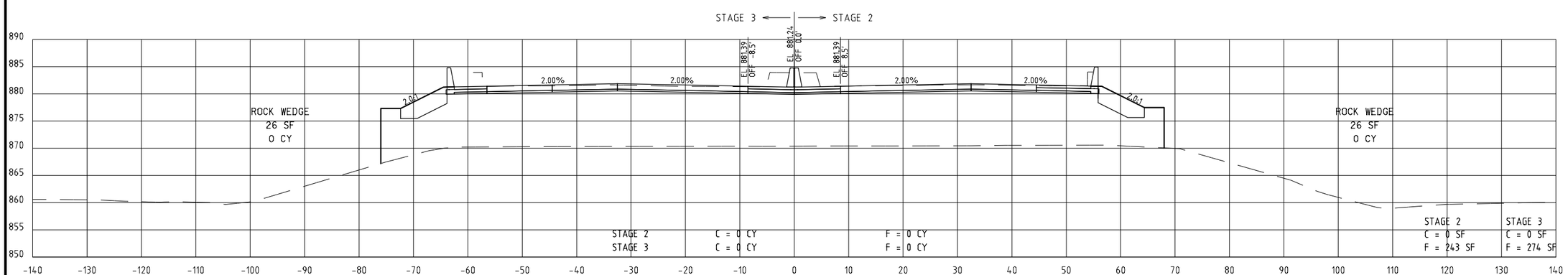

Sta. 902+60.75 R1

I-29 STA. 902+60.75 TO 902+83.50

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DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	K-C
SHEET NO.	7
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
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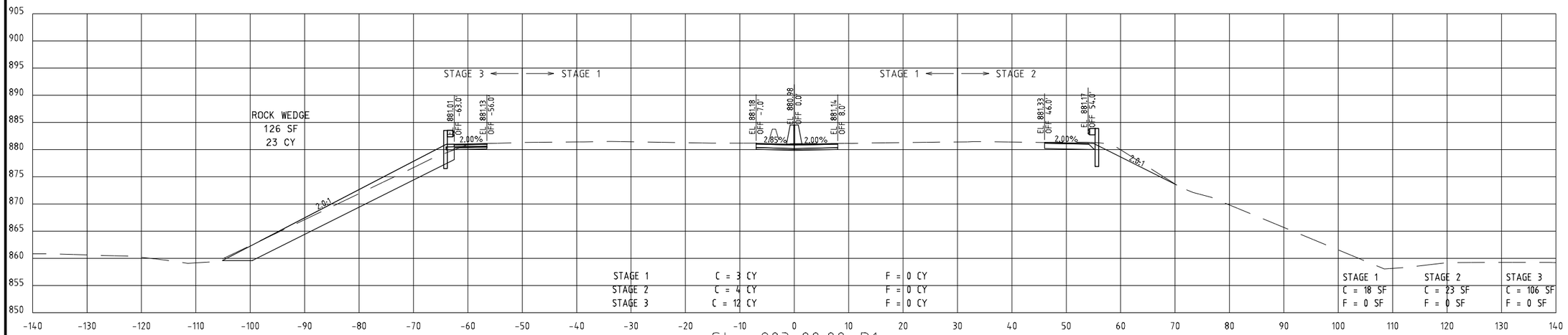
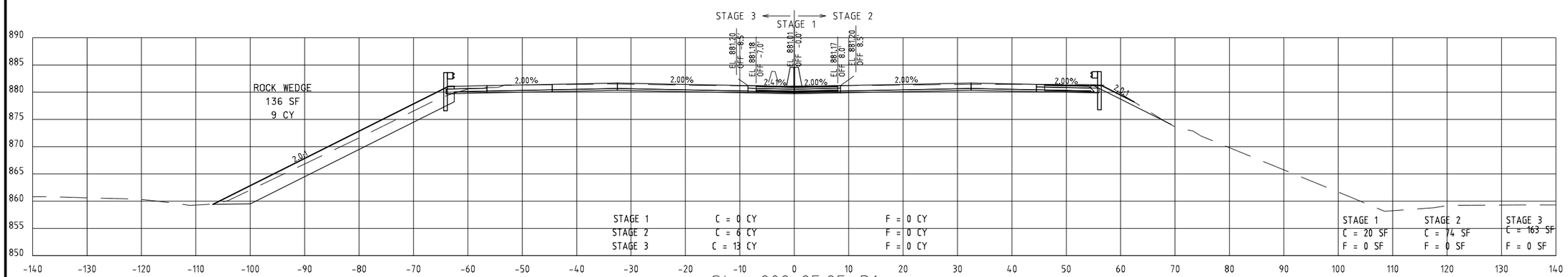
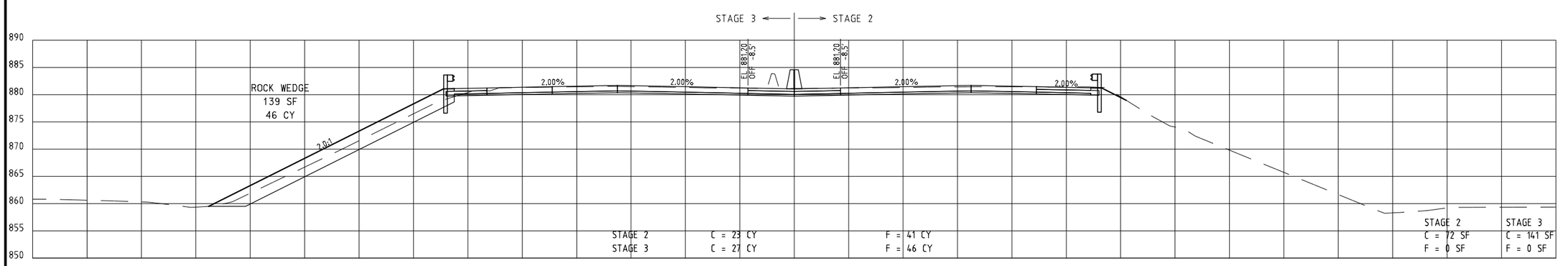


Sta. 903+00.00 R1



Sta. 902+95.25 R1



Sta. 902+93.50 R1

I-29 STA. 902+92.93 TO 903+00.00

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	8
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority No. : 000165
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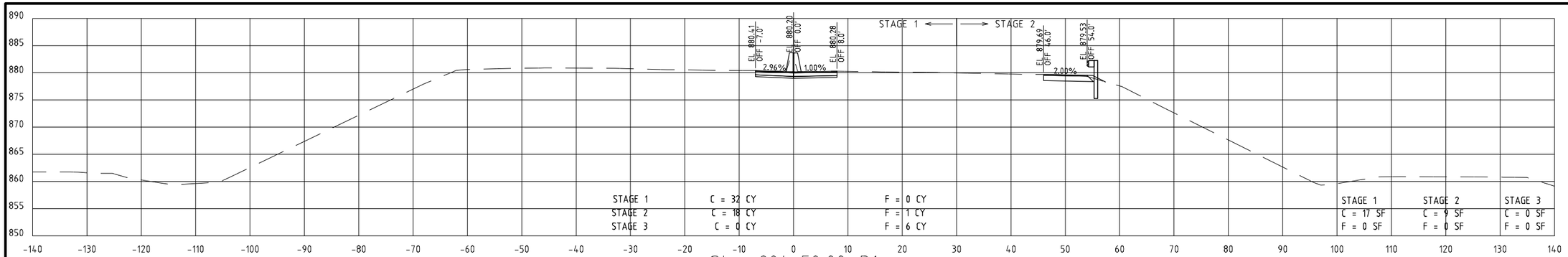
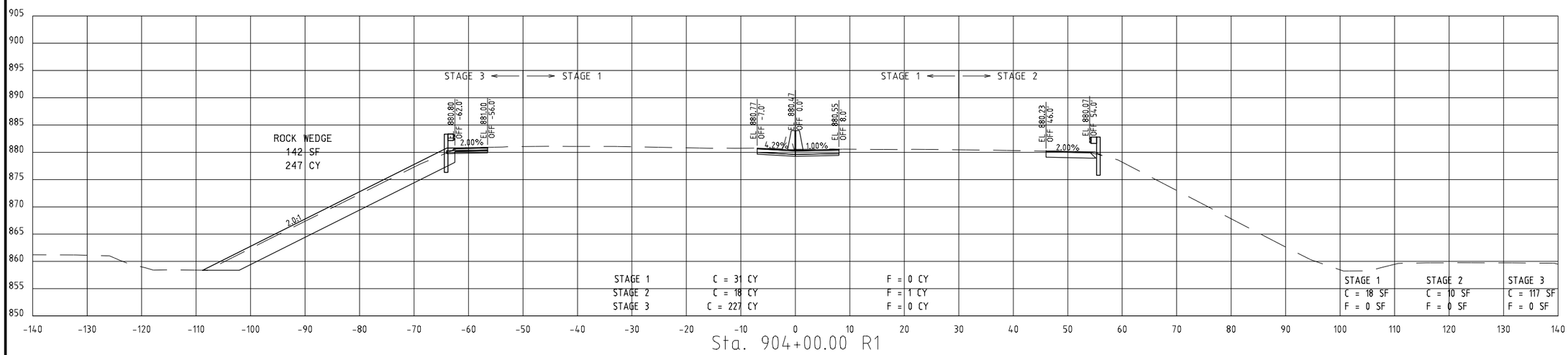


Sta. 904+50.00 R1



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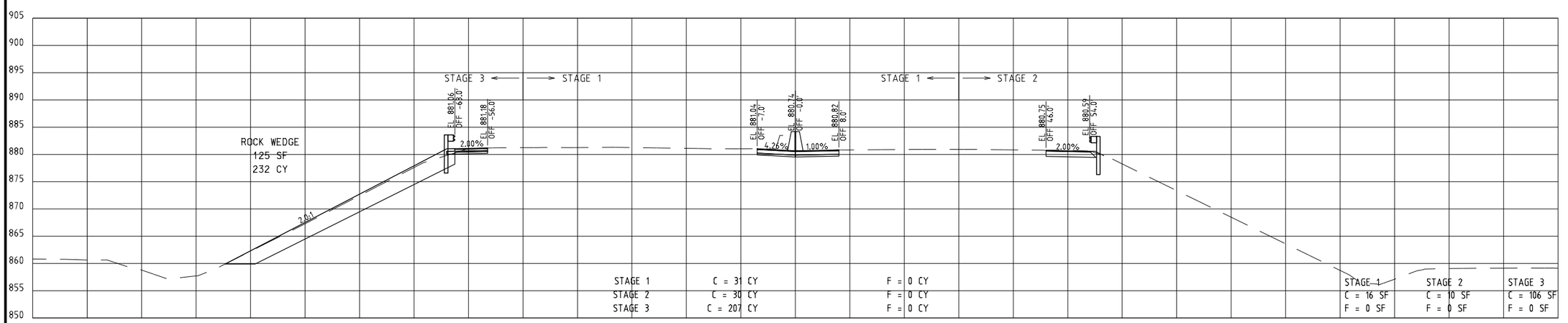

Sta. 903+50.00 R1

I-29 STA. 903+50.00 TO 904+50.00

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DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	K-C
SHEET NO.	9
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
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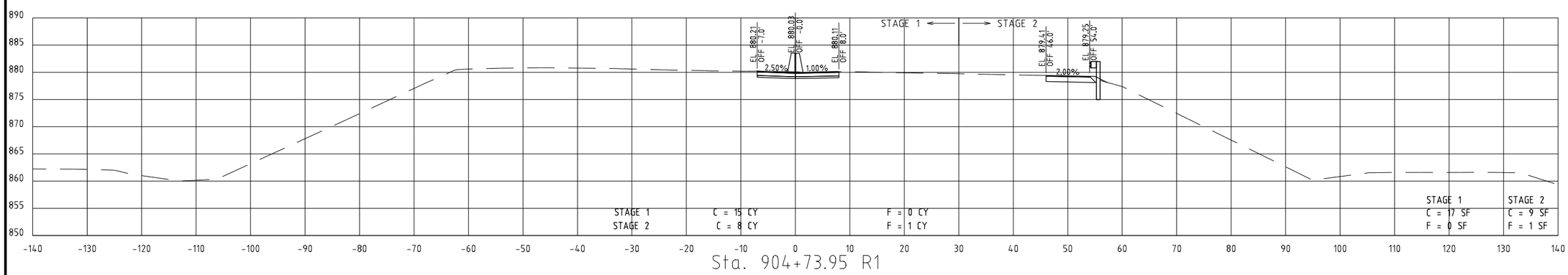

Sta. 904+73.95 R1

I-29 STA. 904+73.95

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DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	10
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
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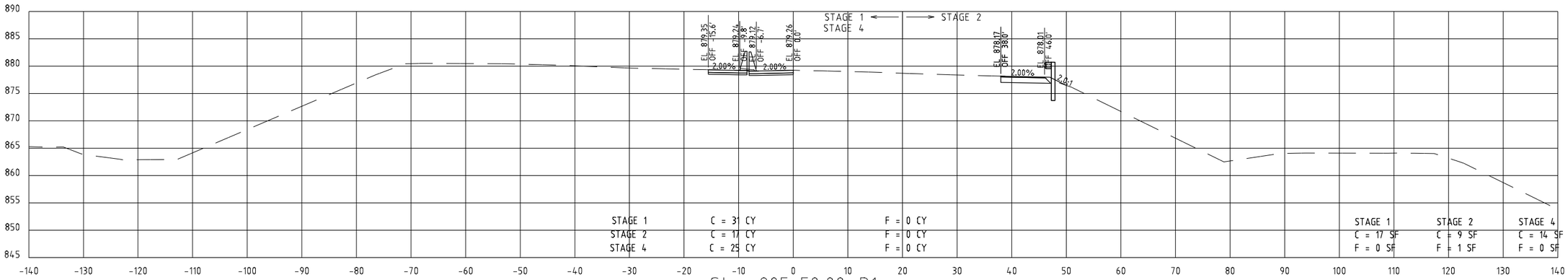

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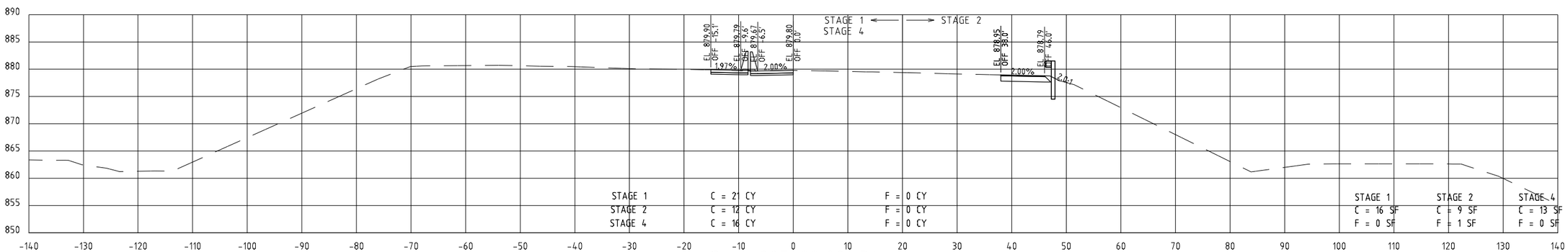

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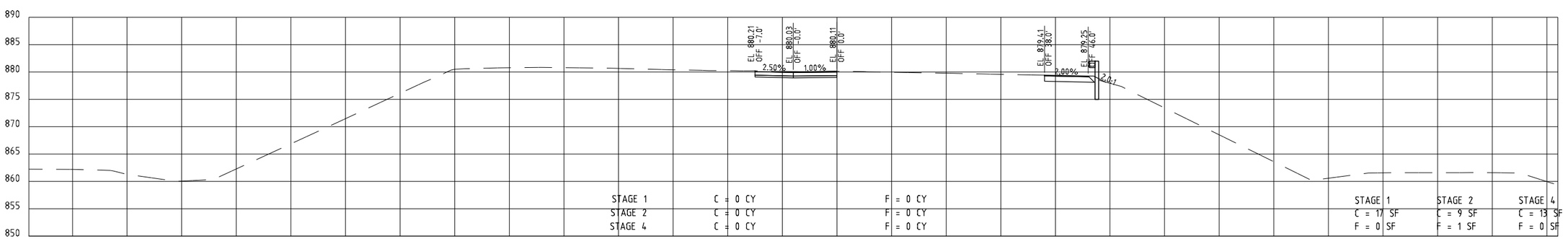

Sta. 904+65.07 R1

I-29 SB STA. 904+65.07 TO 905+50.00

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	
7/19/2020	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
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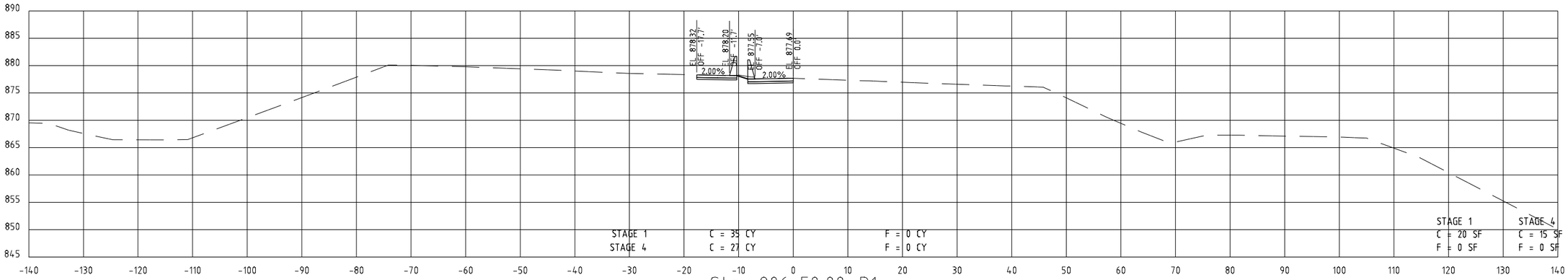
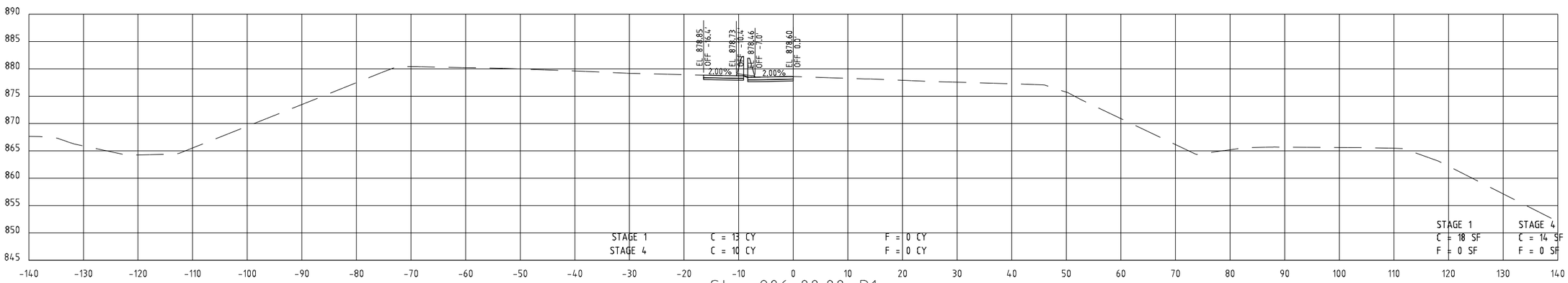


Sta. 906+50.00 R1



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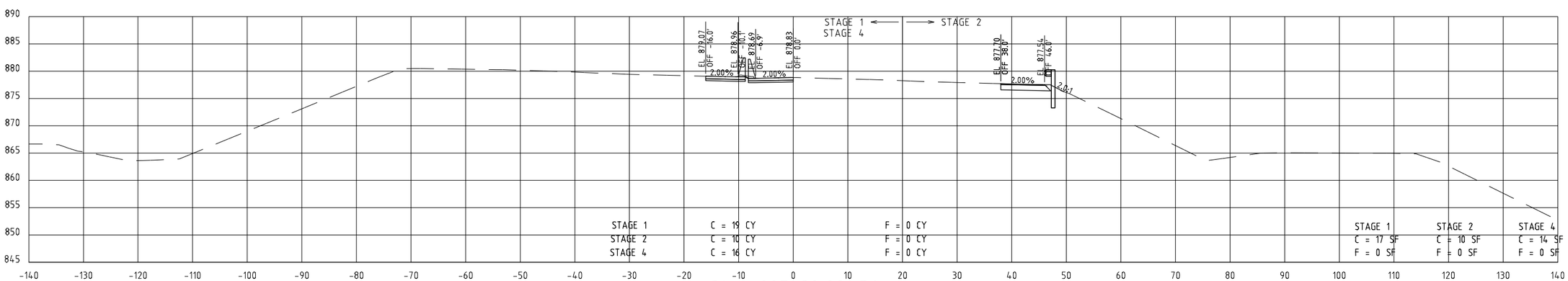

Sta. 905+80.00 R1

I-29 SB STA. 905+80.00 TO 906+50.00

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DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	1-2
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.

9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

BURNS McDONNELL

Certificate of Authority
No. : 000165

BMcD Project No. 109387

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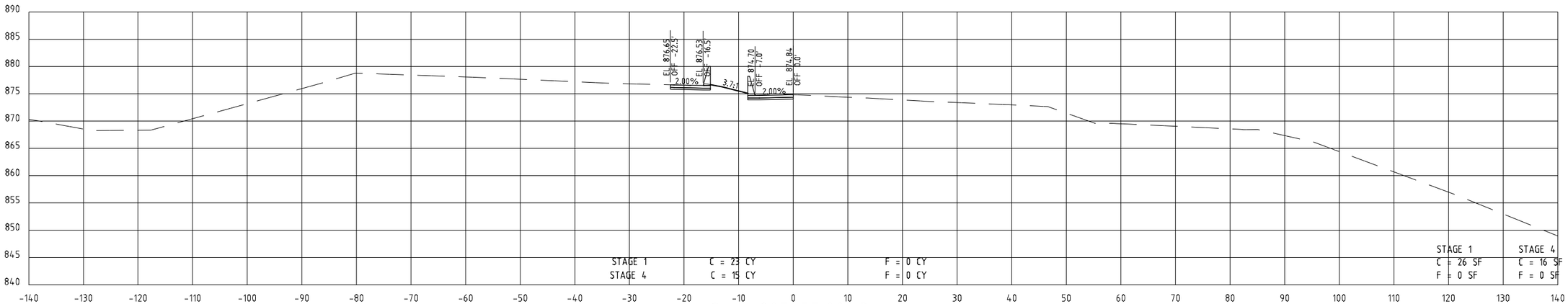
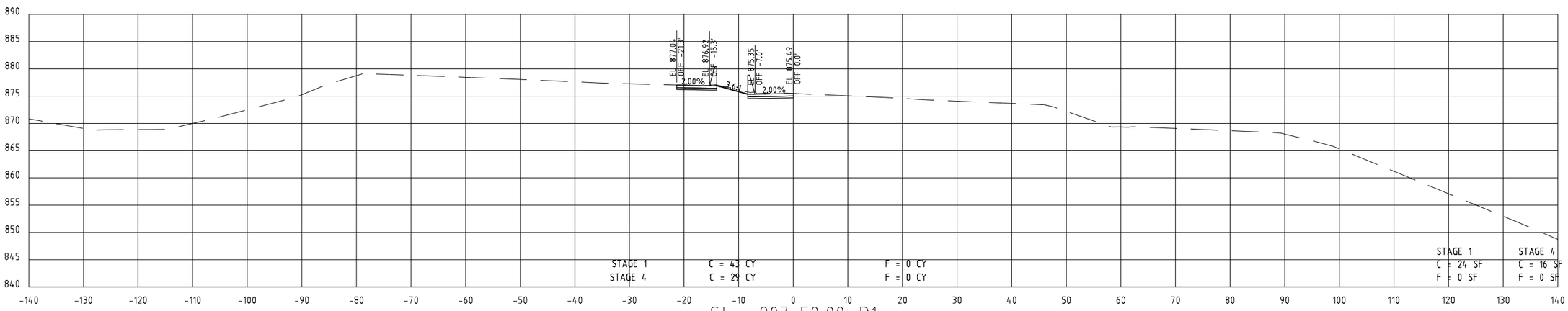


Sta. 907+75.00 R1



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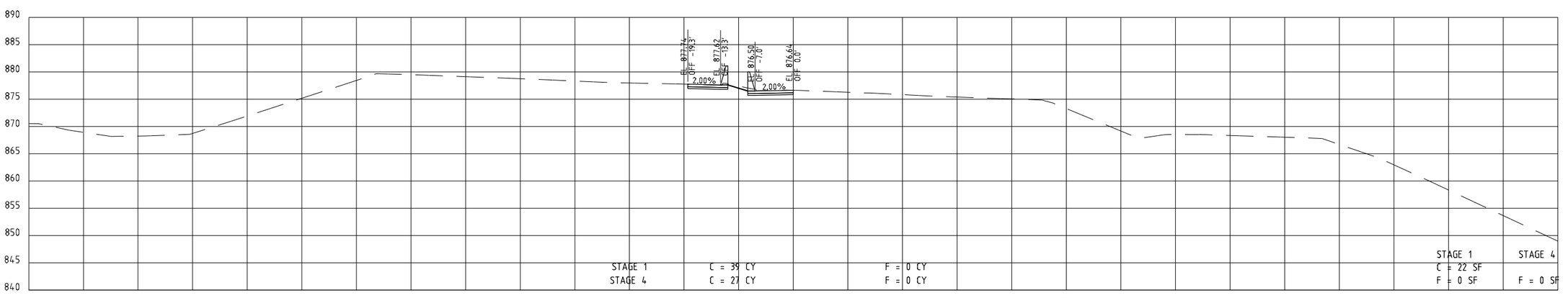

Sta. 907+00.00 R1

I-29 SB STA. 907+0.00 TO 907+75.00

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	7/19/2020
ROUTE	I-29
STATE	MO
DISTRICT	K-C
SHEET NO.	1-3
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.

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Kansas City, Missouri 64114
816-333-9400

Certificate of Authority
No. : 000165

BMcD Project No. 109387

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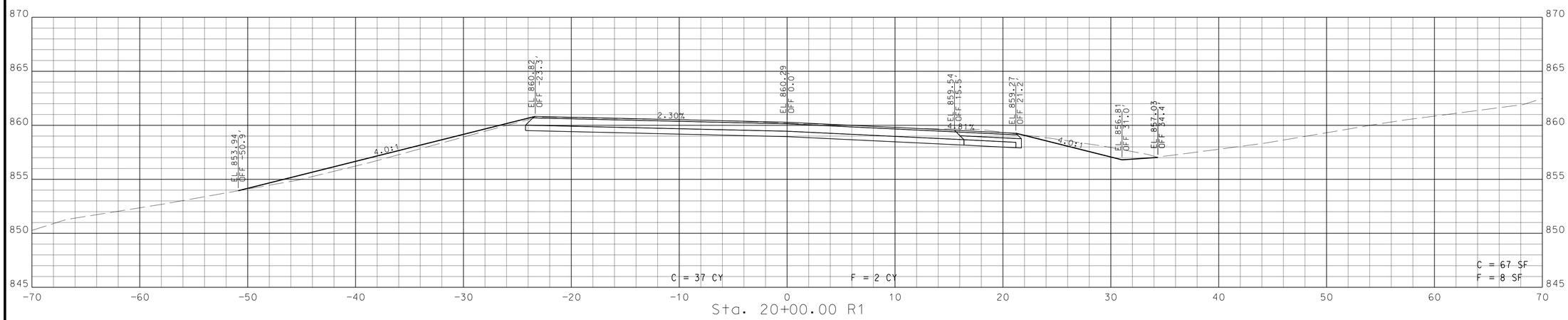

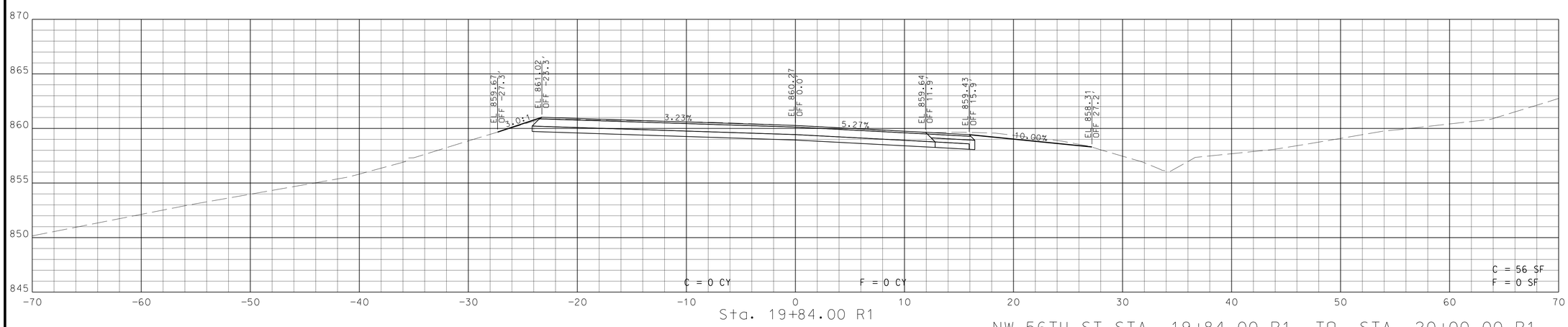

NW 56TH ST STA. 19+84.00 R1 TO STA. 20+00.00 R1

DATE PREPARED
6/26/2020

ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
KC	14

COUNTY
PLATTE

JOB NO.
J4I3291

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

1411 East 104th St.
Kansas City, MO 64131
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Fax (816) 874-4675
www.trekkdesigngroup.com

Missouri Cert. of Authority 2002010300

TREKK DESIGN GROUP, LLC

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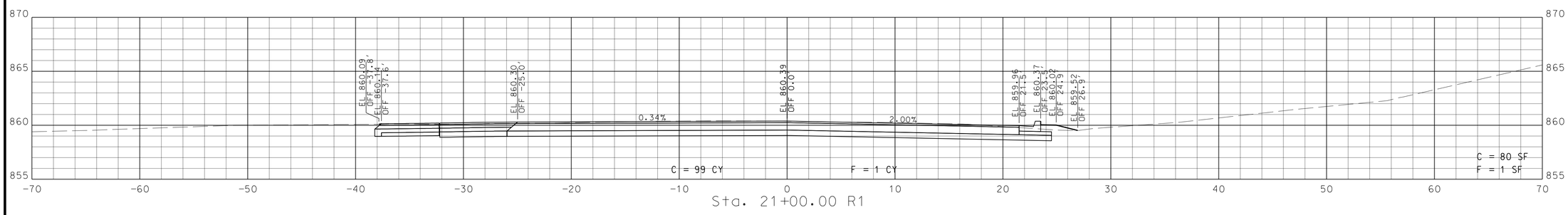
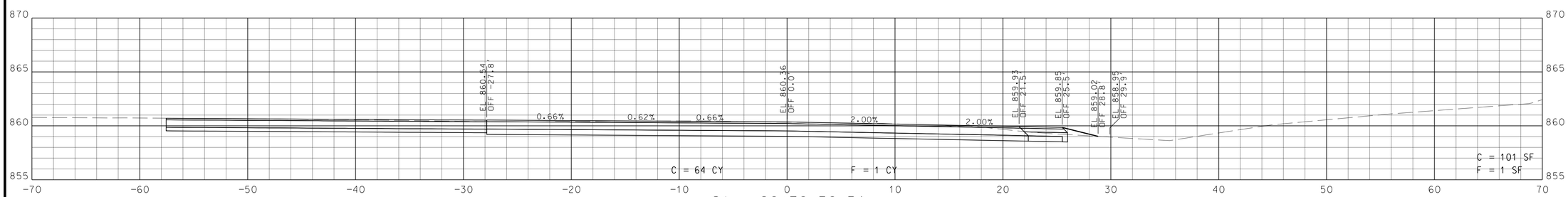
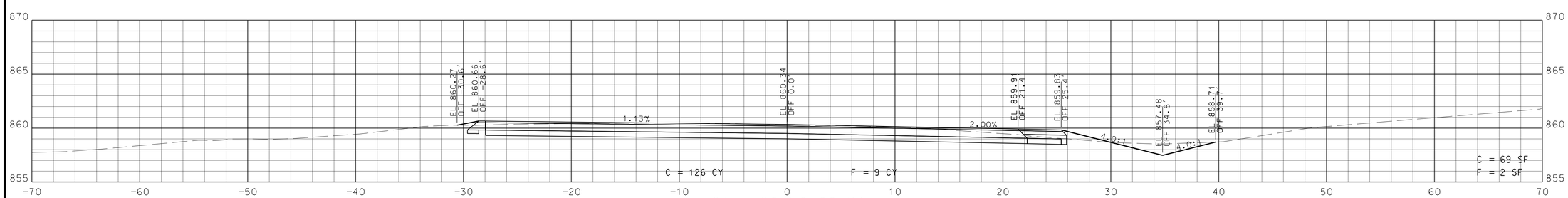


Sta. 21+00.00 R1



Sta. 20+70.30 R1



Sta. 20+50.00 R1

NW 56TH ST STA. 20+50.00 R1 TO STA. 21+00.00 R1

DATE PREPARED
6/26/2020

ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
KC	15

COUNTY
PLATTE

JOB NO.
J4I3291

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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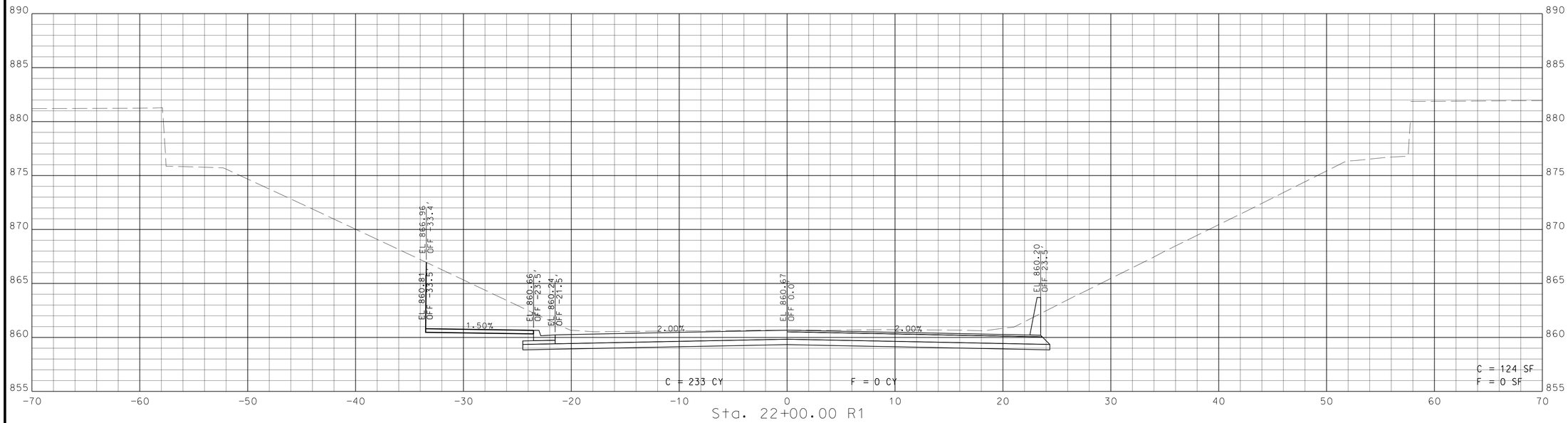
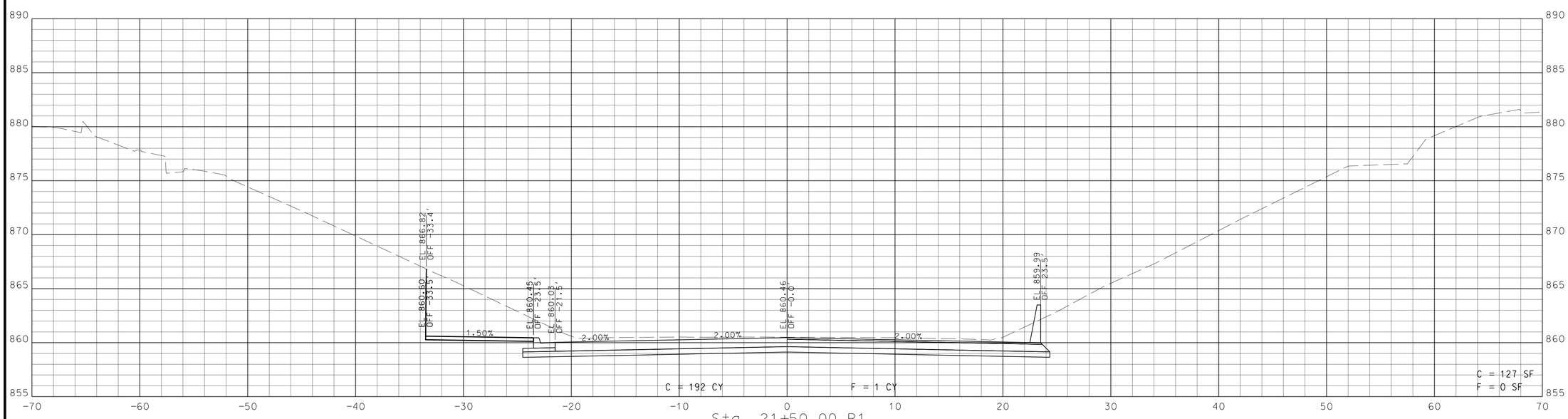


Sta. 22+00.00 R1



Sta. 21+50.00 R1

NW 56TH ST STA. 21+50.00 R1 TO STA. 22+00.00 R1

DATE PREPARED
6/26/2020

ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
KC	16

COUNTY
PLATTE

JOB NO.
J4I3291

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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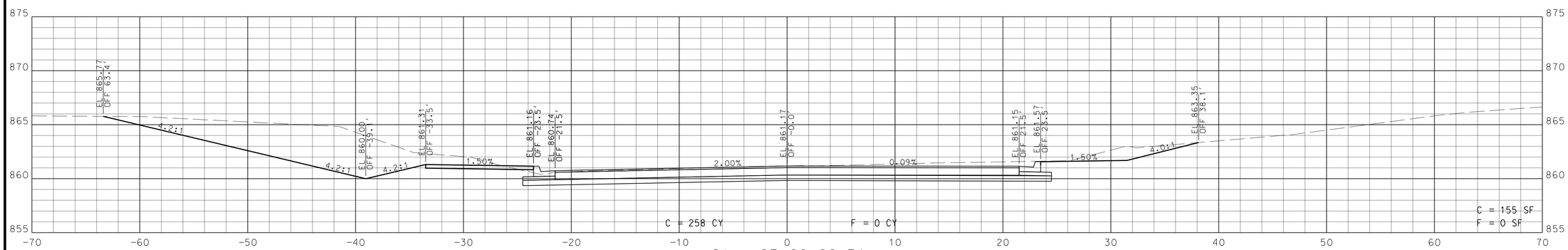
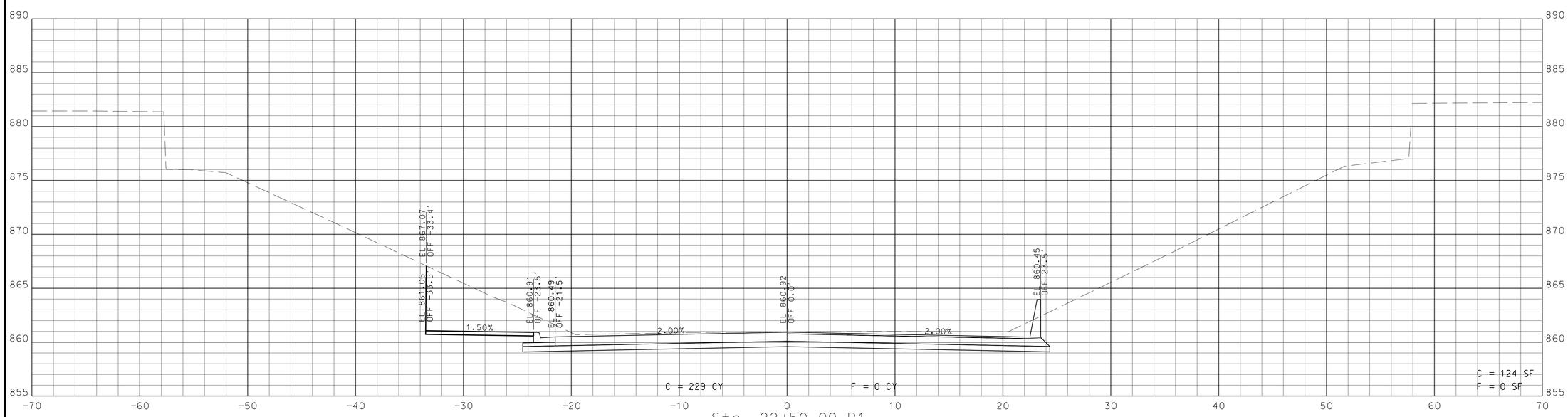


Sta. 23+00.00 R1



Sta. 22+50.00 R1

NW 56TH ST STA. 22+50.00 R1 TO STA. 23+00.00 R1

DATE PREPARED	6/26/2020
ROUTE	I-29
STATE	MO
DISTRICT	KC
SHEET NO.	17
COUNTY	PLATTE
JOB NO.	J4I3291
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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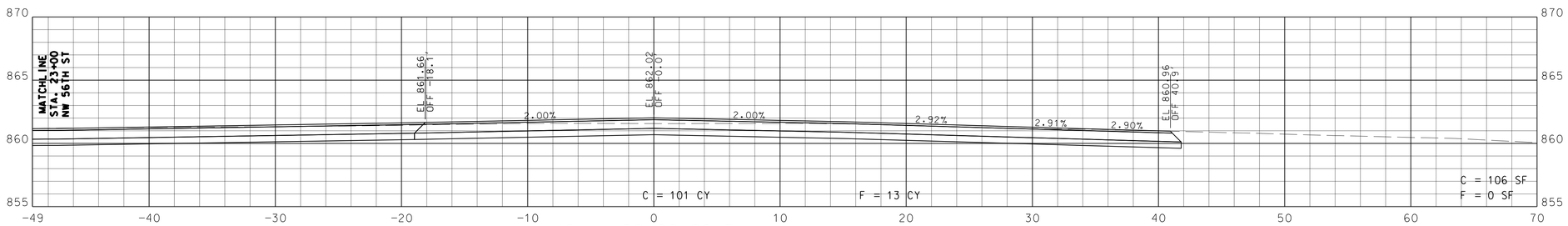
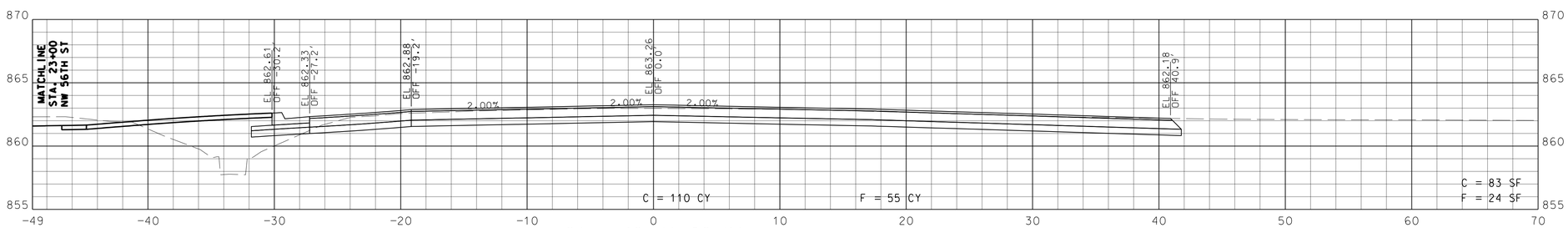
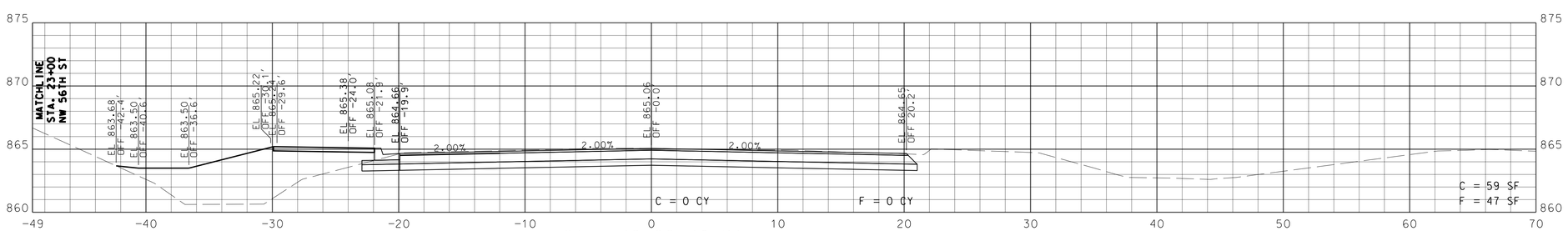


Sta. 50+00.00 R1



Sta. 49+71.08 R1



Sta. 49+29.40 R1

NW PRAIRIE VIEW RD STA. 49+29.40 R1 TO STA. 50+00.00 R1

DATE PREPARED
6/26/2020

ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
KC	18

COUNTY
PLATTE

JOB NO.
J4I3291

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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JEFFERSON CITY, MO 65102
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TREKK DESIGN GROUP, LLC

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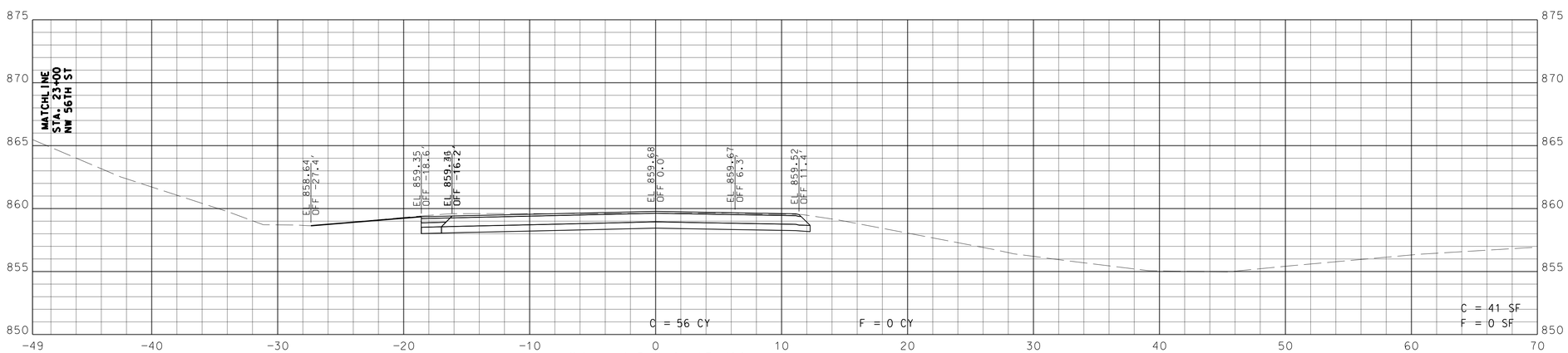
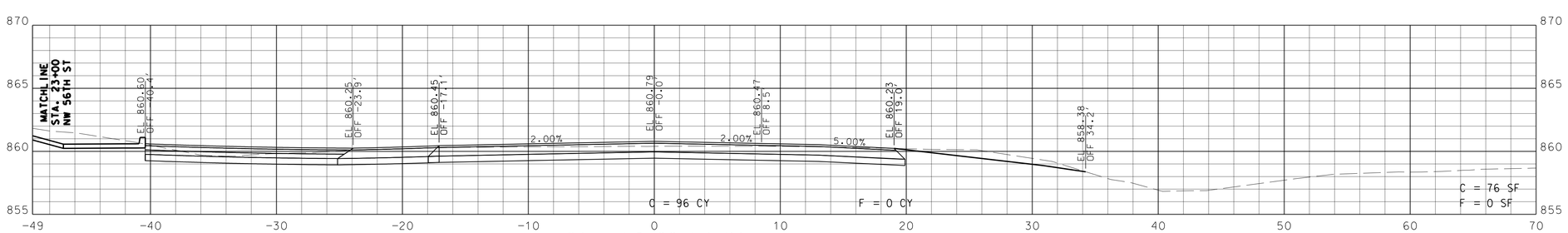


Sta. 50+54.30 R1



Sta. 50+28.54 R1

NW PRAIRIE VIEW RD STA. 50+28.54 R1 TO STA. 50+54.30 R1

DATE PREPARED
6/26/2020

ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
KC	19

COUNTY
PLATTE

JOB NO.
J4I3291

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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