



ADDENDUM COVER PAGE

The following Addendum has been released for the:

Main Street Phase I Project, Bid #23-063, and is attached to this cover page:

- **Addendum #2 dated August 3, 2023**

Please stay advised for additional Addenda, if any, for this project. This cover sheet will reflect additional Addenda and the attachments to this cover page will include all current Addenda as they are published.

Note: Contractor is required to acknowledge receipt of all Addenda. Acknowledgement of addenda (addendum number and date of receipt) shall be recorded within the submitted bidder's forms within the sealed envelope, easily visible so they may be recognized and recorded at the bid opening. Failure to acknowledge receipt could result in Contractor not being recommended for award of contract.

ADDENDUM # 2

TO THE PLANS AND SPECIFICATIONS FOR:

Main Street Phase I STP-7302(675) Bid #23-063

City of O'Fallon, Missouri
100 North Main Street
O'Fallon, Missouri 63366

August 3, 2023

Ruth Field
City of O'Fallon, Missouri
100 North Main Street
O'Fallon, MO 63366
636-379-5407
E-mail: rfield@ofallon.mo.us

INFORMATION

All addenda and information included in them shall be considered part of the contract documents. Receipt of all addenda for this project shall be shown within the bid submission as described in the specifications. The following are clarifications, revisions of the contract documents and additional information.

I. PLANS:

The following Sheets have been revised to address wiring and associated appurtenances for the Decorative Luminaries and Associated Equipment bid item, see attached;

SHT – 2A

SHT – 2B, 6

SHT – 36

SHT – 37

SHT – 38

SHT – 40

SHT – 41

SHT – 42

SHT - 43

II. SPECIFICATIONS:

Bid Form:

The following Bid Form line items have been revised to show the correct JSP reference:

202-20.10 Removal of Improvements **JSP FF**

640-99.01 Misc. Field Adjustments (Water Meter/Valve, Gas Valve, Manholes Etc) **JSP CC**

901-99.01 Decorative Luminaires and Associated Equipment **JSP Z**

Stamped Concrete Sidewalk, 4" **JSP W**

Decorative Planter **JSP AA**

Please use the attached revised bid form.

JSP Z – Decorative Luminaires and Associated Equipment has been revised, see attached for revision.

III. Q & A:

Question 1- *Will a separate power wire be needed for the receptacles, or will you be alternating legs on the 240v lighting wire?*

Answer: Yes, the plans and schedules have been revised to account for a separate wire to be included in the conduit to serve the outlets.

Question 2- *Will #8 be large enough to account for voltage drop to the outlets if you use #8 for the lighting?*

Answer: The revised wire has been sized to accommodate the voltage drop.

Question 3- *A neutral wire will be needed to accommodate the 120v receptacles. What size wire will this need to be? Should it be included in the cable duct or pulled in separate?*

Answer: A neutral wire is included in the new schedule of wire.

Question 4- *If you don't alternate legs for the receptacles from the lighting wires, where are we landing the wires in the 240v power supply? It only calls for a 4-circuit cabinet and all 4 circuits are assigned.*

Answer: An 8-Circuit Cabinet will be required.

Receipt of all addenda for this project must be shown within the bid submission as described in the specifications.

END OF ADDENDUM

CONTRACTOR NAME: _____

Main Street Phase 1

BID#: 23-063

BID FORM

Line Item No.	Item Description	Unit	Quantity	Unit Price	Extension
1 ROADWAY ITEMS					
202-20.10	REMOVAL OF IMPROVEMENTS (JSP FF)	LS	1		
304-05.04	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	SY	3298		
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BP-1)	TON	41		
401-30.00	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE)	TON	145		
403-01.03	ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP125C MIX) (1.75"), FIBER REINFORCED	TON	848		
403-04.03	10 INCHES, ASPHALTIC CONCRETE PAVEMENT SP125C	SY	1745		
407-10.05	TACK COAT	GAL	49		
604-99.01	MISC., FIELD ADJUSTMENTS (WATER METER/VALVE, GAS VALVE, MANHOLES, ETC.) (JSP CC)	LS	1		
JSP CC	WATER SERVICE LINE REPAIR	LS	1		
608-30.06	6 IN. CONCRETE MEDIAN STRIP	SY	5		
608-50.07	PAVED APPROACH, 7 IN.	SY	858		
609-10.10	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S	LF	257		
609-20.31	CONCRETE CURB LOW PROFILE TYPE E	LF	67		
JSP Z	6" VERTICAL CURB AND GUTTER (1.5' WIDE GUTTER)	LF	689		
JSP Z	8" VERTICAL CURB AND GUTTER (1.5' WIDE GUTTER)	LF	48		
JSP Z	6" VERTICAL CURB AND GUTTER (2.0' WIDE GUTTER)	LF	72		
JSP Z	6" VERTICAL CURB AND GUTTER (2.5' WIDE GUTTER)	LF	186		
613-10.14	SAWCUT, ANY DEPTH	LF	2551		
617-99.01	WORK ZONE TRAFFIC MANAGEMENT PLAN (JSP A)	LS	1		
618-10.00	MOBILIZATION (JSP I)	LS	1		
621-46.00A	FLOWABLE BACKFILL	CY	35		

622-10.01	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS)	SY	8506		
627-40.00	CONTRACTOR FURNISHED SURVEYING AND STAKING (JSP FF)	LS	1		
726-10.15	15 IN. PIPE GROUP A (JSP K)	LF	19		
726-10.30	30 IN. PIPE GROUP A (JSP K)	LF	38		
726-10.42	42 IN. PIPE GROUP A (JSP K)	LF	96		
731-00.48	PRECAST CONCRETE MANHOLE - 48 IN	FT	14		
JSP X 1	STORM SEWER INVESTIGATION	LS	1		
731-99.03	PRECAST CONCRETE MANHOLE-96 IN & PRECAST CONCRETE DOUBLE STREET INLET (JSP K)	FT	10		
806-99.01	EROSION CONTROL (JSP J)	LS	1		

Line Item No.	Item Description	Unit	Quantity	Unit Price	Extension
SIGNALS/SIGNING/STRIPING/LIGHTING ITEMS					
620-00.15	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE	LF	272		
620-00.21	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW	EA	12		
620-00.24	PREFORMED THERMOPLASTIC PAVEMENT MARKING, STRAIGHT ARROW	EA	7		
620-00.27	PREFORMED THERMOPLASTIC PAVEMENT MARKING, COMBINATION STR/LT/RT	EA	7		
620-00.33	PREFORMED THERMOPLASTIC PAVEMENT MARKING, R/R CROSSING MARKER	EA	2		
620-00.36	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN WHITE MIDBLOCK	EA	444		
620-60.00C	4 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	3298		
620-60.01C	4 IN. YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	2741		
901-99.01	DECORATIVE LUMINAIRES AND ASSOCIATED EQUIPMENT (JSP Z) 1	EA	17		
901-30.02	CONDUIT, 2 IN. RIGID, IN TRENCH	LF	94		
901-74.07	CABLE-CONDUIT, 1 IN., 2 CONDUCTORS AND 1 BARE NEUTRAL, 8 AWG	LF	140		
902-99.01	TRAFFIC SIGNALS (JSP N)	LS	1		
903-99.02	SIGNING (JSP R)	EA	9		

BICYCLE/PEDESTRIAN FACILITIES ITEMS					
608-10.10	CONCRETE CURB RAMP	SY	374.0		
608-10.12	TRUNCATED DOMES	SF	144.0		
608-60.04	CONCRETE SIDEWALK, 4 IN.	SY	1067.0		
JSP W 1	STAMPED CONCRETE SIDEWALK, 4 IN.	SY	341.0		
608-99.01	CONCRETE STEPS & HANDRAIL (JSP FF)	EA	2.0		
LANDSCAPING ITEMS					
JSP AA 1	DECORATIVE PLANTER	EA	4.0		
JSP L	SOD	ACRE	0.2		

Total Bid (In Figures) \$ _____

Total Bid (As Written) _____

The above Lump Sum shall include the cost of all labor, equipment, materials, removals, overhead, profit, insurance and other incidental items required to cover the completion of each such item of work in accordance with the Drawings, Specifications, and Contract Documents.

Z. DECORATIVE LUMINAIRES AND ASSOCIATED EQUIPMENT

1.0 Description. The work shall consist all work required to install decorative luminaires, conduit, wiring, bases, controllers, power supply.

2.0 Materials. The contractor shall provide all items to install the new luminaires and controller. Construction requirements shall conform to Sec 901.

1

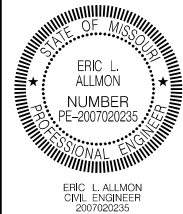
a. GVD3 CHA 17'- Dec 2022 (See Below)

All poles shall include a 240V to 120V converter to connect the 15 Amp electrical outlet to power. The outlets and lights will be wired on separate circuits to allow the receptacles to be energized while the lights are turned off.

3.0 Basis of Payment. Payment for the new luminaires shall be paid at the contracted each price for 901-99.01, "Decorative Luminaires and Associated Equipment". This each price shall constitute full compensation for all labor, tools, material, and equipment necessary to complete the items of work required in this special provisions. The conduit, wiring, controllers and other appurtenances necessary to install and operate the lights and electric outlets shall be considered incidental to the unit price.

ROADWAY ITEMS			
202-20.10	REMOVAL OF IMPROVEMENTS (JSP FF) 	LS	1
304-05.04	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	SY	3298
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BP-1)	TON	41
401-30.00	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE)	TON	145
403-01.03	ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP125C MIX) (1.75"), FIBER REINFORCED	TON	848
403-04.03	10 INCHES, ASPHALTIC CONCRETE PAVEMENT SP125C	SY	1745
407-10.05	TACK COAT	GAL	49
604-99.01	MISC., FIELD ADJUSTMENTS (WATER METER/VALVE, GAS VALVE, MANHOLES, ETC.) (JSP CC) 	LS	1
JSP CC	WATER SERVICE LINE REPAIR	LS	1
608-30.06	6 IN. CONCRETE MEDIAN STRIP	SY	5
608-50.07	PAVED APPROACH, 7 IN.	SY	858
609-10.10	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S	LF	257
609-20.31	CONCRETE CURB LOW PROFILE TYPE E	LF	67
JSP Z	6" VERTICAL CURB AND GUTTER (1.5' WIDE GUTTER)	LF	689
JSP Z	8" VERTICAL CURB AND GUTTER (1.5' WIDE GUTTER)	LF	48
JSP Z	6" VERTICAL CURB AND GUTTER (2.0' WIDE GUTTER)	LF	72
JSP Z	6" VERTICAL CURB AND GUTTER (2.5' WIDE GUTTER)	LF	186
613-10.14	SAWCUT, ANY DEPTH	LF	2551
617-99.01	WORK ZONE TRAFFIC MANAGEMENT PLAN (JSP A)	LS	1
618-10.00	MOBILIZATION (JSP I)	LS	1
621-46.00A	FLOWABLE BACKFILL	CY	35
622-10.01	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS)	SY	8506
627-40.00	CONTRACTOR FURNISHED SURVEYING AND STAKING (JSP FF)	LS	1
726-10.15	15 IN. PIPE GROUP A (JSP K)	LF	19
726-10.30	30 IN. PIPE GROUP A (JSP K)	LF	38
726-10.42	42 IN. PIPE GROUP A (JSP K)	LF	96
731-00.48	PRECAST CONCRETE MANHOLE - 48 IN	FT	14
JSP X 	STORM SEWER INVESTIGATION	LS	1
731-99.03	PRECAST CONCRETE MANHOLE-96 IN & PRECAST CONCRETE DOUBLE STREET INLET (JSP K)	FT	10
806-99.01	EROSION CONTROL (JSP J)	LS	1

SIGNALS/SIGNING/STRIPING/LIGHTING ITEMS			
620-00.15	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE	LF	272
620-00.21	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW	EA	12
620-00.24	PREFORMED THERMOPLASTIC PAVEMENT MARKING, STRAIGHT ARROW	EA	7
620-00.27	PREFORMED THERMOPLASTIC PAVEMENT MARKING, COMBINATION STR/LT/RT	EA	7
620-00.33	PREFORMED THERMOPLASTIC PAVEMENT MARKING, R/R CROSSING MARKER	EA	2
620-00.36	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN WHITE MIDBLOCK	EA	444
620-60.00C	4 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	3298
620-60.01C	4 IN. YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	2741
901-99.01	DECORATIVE LUMINAIRES AND ASSOCIATED EQUIPMENT (JSP Z) 	EA	17
901-30.02	CONDUIT, 2 IN. RIGID, IN TRENCH	LF	94
901-74.07	CABLE-CONDUIT, 1 IN., 2 CONDUCTORS AND 1 BARE NEUTRAL, 8 AWG	LF	140
902-99.01	TRAFFIC SIGNALS (JSP N)	LS	1
903-99.02	SIGNING (JSP R)	EA	9
BICYCLE/PEDESTRIAN FACILITIES ITEMS			
608-10.10	CONCRETE CURB RAMP	SY	374.0
608-10.12	TRUNCATED DOMES	SF	144.0
608-60.04	CONCRETE SIDEWALK, 4 IN.	SY	1067.0
JSP W 	STAMPED CONCRETE SIDEWALK, 4 IN.	SY	341.0
608-99.01	CONCRETE STEPS & HANDRAIL (JSP FF)	EA	2.0
LANDSCAPING ITEMS			
JSP AA 	DECORATIVE PLANTER	EA	4.0
JSP L	SOD	ACRE	0.2



DATE PREPARED 8/3/2023	
ROUTE	STATE MO
DISTRICT SL	SHEET NO. 2A
COUNTY ST. CHARLES	
JOB NO. T29190446	
CONTRACT ID.	
PROJECT NO. STP-7302(675)	
BRIDGE NO.	

DESCRIPTION	DATE
REVISED LIGHTING WIRING	8/3/23

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



SUMMARY OF QUANTITIES
MAIN STREET
SHEET 1 OF 1

POLES AND LUMINAIRES

LIGHTING SHEET NO. X OF 4	LUMIN. POLE NO.	CIRCUIT	STATION	OFFSET	ROADWAY	DECORATIVE POLE (EA)	CIRCUIT
3	A101	A1	208+27.03	21.09' LT	MAIN	1	A1
2	A102	A1	206+85.97	21.79' LT	MAIN	1	A1
2	A103	A1	204+77.04	22.94' LT	MAIN	1	A1
1	A104	A1	203+10.44	23.11' LT	MAIN	1	A1
3	A201	A2	212+23.76	29.67' LT	MAIN	1	A2
4	A202	A2	213+45.65	29.42' LT	MAIN	1	A2
4	A203	A2	214+75.28	28.66' LT	MAIN	1	A2
4	A204	A2	215+75.35	27.95' LT	MAIN	1	A2
3	A301	A3	209+04.56	34.72' RT	MAIN	1	A3
2	A302	A3	207+51.77	27.08' RT	MAIN	1	A3
1	A303	A3	203+96.20	25.72' RT	MAIN	1	A3
3	A401	A4	212+16.09	31.07' RT	MAIN	1	A4
4	A402	A4	213+47.74	31.48' RT	MAIN	1	A4
4	A403	A4	214+88.67	32.72' RT	MAIN	1	A4
4	B101	A2	215+75.35	27.95' LT	MAIN	1	A2
4	B201	A4	215+83.30	33.63' RT	MAIN	1	A4
TOTAL EACH:						16	

CABLE
INCIDENTAL

LIGHTING SHEET NO. X OF 4	CIRCUIT	FROM	TO	1 IN CABLE 2 COND & B.N #8 AWG FEET	1 CONDUCTOR #4 AWG FEET	1 CONDUCTOR #6 AWG FEET	1 CONDUCTOR #8 AWG FEET
3	A1	CONT A	A101	262		786	
3	A1	A101	A102	155		465	
2, 3	A1	A102	A103	227		681	
1, 2	A1	A103	A104	177		531	
3	A2	CONT A	A201	201			603
3, 4	A2	A201	A202	142			426
4	A2	A202	A203	140			420
3	A3	CONT A	A301	257	771		
2, 3	A3	A301	A302	167	501		
1, 2	A3	A302	A303	378	1134		
1	A3	A303	A304	163	489		
3	A4	CONT A	A401	261			783
3, 4	A4	A401	A402	142			426
4	A4	A402	A403	151			453
SUBTOTAL:				2823	2895	2463	3111
SUBTOTAL (+5% FOR SNAKING):				2964	3040	2586	3267
TOTAL:				2970	3040	2590	3270

1 INCH CABLE-CONDUIT 2 COND. & 1 B.N. #8 AWG

LIGHTING SHEET NO. X OF 4	CIRCUIT	FROM	TO	FEET	TRENCHING		
					TYPE		
					I	II	III
3	PVT	PS	PVT SIGN	124			
SUBTOTAL:				124			
SUBTOTAL (+5% FOR SNAKING):				130			
TOTAL:				140			
TRENCHING SUBTOTALS (FEET):					0		
TRENCHING TOTALS (FEET):					0		

LIGHTING PULL BOXES - INCIDENTAL

LIGHTING SHEET NO. X OF 4	PULL BOX	STATION	OFFSET	ROADWAY	PREFORMED		DRAIN TYPE		CIRCUIT
					CL1	CL2	I	II	
3	PBA1	210+55.92	25.81' LT	MAIN	1		1		A1,A2,A3,A4
2	PBA2	205+05.05	23.66' LT	MAIN	1		1		A1
3	PBA3	210+55.68	35.82' RT	MAIN	1		1		A3,A4
3	PBA4	209+49.02	36.12' RT	MAIN	1		1		A3
2	PBA5	206+69.71	27.52' RT	MAIN	1		1		A3
2	PBA6	204+91.21	26.67' RT	MAIN	1		1		A3
TOTAL EACH:					6		6		

LIGHTING RIGID CONDUIT- INCIDENTAL

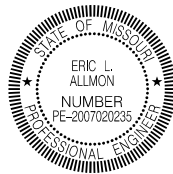
LIGHTING SHEET NO. X OF 4	FROM		TO		ROADWAY	CIRCUIT	TRENCHED				PUSHED				FROM	TO
	STATION	OFFSET	STATION	OFFSET			2"	3"	4"	5"	2"	3"	4"	5"		
3	210+62.39	38.52' LT	210+55.92	25.81' LT	MAIN	A1, A2, A3, A4			14					CONT A	PBA1	
3	210+55.92	25.81' LT	208+27.03	21.09' LT	MAIN	A1						229		PBA1	A101	
2, 3	208+27.03	21.09' LT	206+85.97	21.79' LT	MAIN	A1						145		A101	A102	
2	206+85.97	21.79' LT	205+05.05	23.66' LT	MAIN	A1						182		A102	PBA2	
2	205+05.05	23.66' LT	204+77.04	22.94' LT	MAIN	A1						29		PBA2	A103	
1, 2	204+77.04	22.94' LT	203+10.44	23.11' LT	MAIN	A1						29		A103	A104	
3	210+55.92	25.81' LT	212+23.76	29.67' LT	MAIN	A2						168		PBA1	A201	
3, 4	212+23.76	29.67' LT	213+45.65	29.42' LT	MAIN	A2						122		A201	A202	
4	213+45.65	29.42' LT	214+75.28	28.66' LT	MAIN	A2						130		A202	A203	
3	210+55.92	25.81' LT	210+55.68	35.82' RT	MAIN	A3, A4						62		PBA1	PBA3	
3	210+55.68	35.82' RT	209+49.02	36.12' RT	MAIN	A3						105		PBA3	PBA4	
3	209+49.02	36.12' RT	209+04.56	34.72' RT	MAIN	A3						45		PBA4	A301	
2, 3	209+04.56	34.72' RT	207+51.77	27.08' RT	MAIN	A3						157		A301	A302	
2	207+51.77	27.08' RT	206+69.71	27.52' RT	MAIN	A3						83		A302	PBA5	
2	206+69.71	27.52' RT	204+91.21	26.67' RT	MAIN	A3						177		PBA5	PBA6	
1, 2	204+91.21	26.67' RT	203+96.20	25.72' RT	MAIN	A3						96		PBA6	A303	
1	203+96.20	25.72' RT	202+46.97	26.49 RT	MAIN	A3						153		A303	A304	
3	210+55.68	35.82' RT	212+16.09	31.07' RT	MAIN	A4						160		PBA3	A401	
3, 4	212+16.09	31.07' RT	213+47.74	31.48' RT	MAIN	A4						132		A401	A402	
4	213+47.74	31.48' RT	214+88.67	32.72' RT	MAIN	A4						141		A402	A403	
SUBTOTAL:									14			2345				
TOTAL FEET:									14			2345				

LIGHTING RIGID CONDUIT

LIGHTING SHEET NO. X OF 4	FROM		TO		ROADWAY	CIRCUIT	TRENCHED				PUSHED				FROM	TO
	STATION	OFFSET	STATION	OFFSET			2"	3"	4"	5"	2"	3"	4"	5"		
3	210+63.67	38.63' LT	211+48.74	38.55' LT	MAIN	PVT	94								PS	PVT SIGN
SUBTOTAL:							94						0			
TOTAL FEET:							94						0			

PAD MOUNTED POWER SUPPLIES AND CONTROLLERS - INCIDENTAL

LIGHTING SHEET NO. X OF 4	STATION	OFFSET	ROADWAY	CONTROL LETTER	LOCATION					240 VOLT POWER SUPPLY	120 VOLT (4 CIRCUIT) LIGHTING ONLY (EA)	240 VOLT (4 CIRCUIT) RECEPTACLE ONLY (EA)
					MAIN	1	2	3	4			
3	210+60.77	44.55' LT	MAIN	A						1		
3	210+62.39	38.52' LT	MAIN	A	100	15	15	15	15		1	1
TOTAL EACH:										1	1	1



DATE PREPARED
8/3/2023
ROUTE
STATE
DISTRICT
SL
COUNTY
ST. CHARLES
JOB NO.
T29190446
CONTRACT ID.
PROJECT NO.
STP-7302(675)
BRIDGE NO.

DATE	DESCRIPTION
8/3/23	REVISED LIGHTING WIRING



SCHEDULE OF QUANTITIES
MAIN STREET
SHEET 6 OF 6
REV.

POWER SUPPLY														
LOCATION			POWER SUPPLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL (ON POWER SUPPLY)		SERVICE POLE			
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	CONTROLLER		POWER SUPPLY DISCONNECT		120 VOLT CONTROL	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY	STATION	OFFSET
					AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER							
							SIGNALS	LIGHTING						
MAIN ST.	216+93.04	77.54' RT	TYPE 2	SEE STD	15 Amps	15 Amps	100 Amps	100 Amps	1	15 Amps	CI.	F+.AMEREN	216+88.11	88.30' RT
			TYPE		Amps	Amps	Amps	Amps		Amps	CI.	F+.		

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT																						
LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH		COORDINATION INTERFACE*						TIME* CLOCK	NEMA CABINET TYPE*			170 CABINET TYPE*		170 SOFTWARE*	
APPROACH	STATION	OFFSET					TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
							NEMA	170	NEMA	170		I	II			MASTER	LOCAL	NEMA	170			
MAIN ST.	216+94.26	72.57' RT			1																	

DETECTOR SCHEDULE						
DETECTOR NUMBER	APPROACH	TYPE				VIDEO
		PUSH BUTTON	INDUCTION LOOP (2)			
			STANDARD	DELAY	CALL	
10	WB PITMAN					1
21	EB PITMAN					1
23	WB PITMAN	1				
24	EB PITMAN	1				
30	SB MAIN					1
41	NB MAIN					1
42	NB MAIN					1
45	NB MAIN	1				
46	SB MAIN	1				
50	EB PITMAN					1
61	WB PITMAN					1
70	NB MAIN					1
81	SB MAIN					1
82	SB MAIN					1
84	NB MAIN	1				
85	SB MAIN	1				
TOTAL FEET:		6	0	0	0	

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

- (1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.
- (2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.
- (3) LIGHTING FOR POLES B101 & B201 SHALL BE ON THE SAME CIRCUIT AS LIGHTING ON THE SIGNAL POLES. CONTRACTOR SHALL BE COORDINATE THE ON/OFF TIME TO COINCIDE WITH THE STREET LIGHTING.
- (4) ELECTRICAL RECEPTACLES FOR POLES B101 & B201 SHALL BE ON A SEPARATE 120V 15 AMP CURCUIT FROM THE SIGNALS AND LIGHTING. CONTRACTOR SHALL VERIFY CONTROLLER IS COMPATIBLE TO WORK WITH LIGHTING, SIGNALS, AND ELECTRICAL OUTLETS.

VIDEO DETECTION SYSTEM
PITMAN ST. & MAIN ST. = 1 LUMP SUM

PITMAN ST. & MAIN ST.
INTERSECTION

D-37C

STATE OF MISSOURI

HIS CERTIFICATE

BEFORE ME, the undersigned authority, on this day personally appeared

A MEMBER OF THE PROFESSIONAL ENGINEERING

ERIC L. ALLMON

CIVIL ENGINEER

200700035

DATE PREPARED

8/3/2023

ROUTE

STATE

MO

DISTRICT

SHEET NO.

SL 37

COUNTY

ST. CHARLES

JOB NO.

T29190446

CONTRACT ID.

PROJECT NO.

STP-7302(675)

BRIDGE NO.

DESCRIPTION

REVISED LIGHTING WIRING

DATE

8/3/23

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

TWM

ENGINEERING

GEOSPATIAL SERVICES

400 NORTH FIFTH STREET, SUITE 100

ST. LOUIS, MO 63101

(314) 734-8900

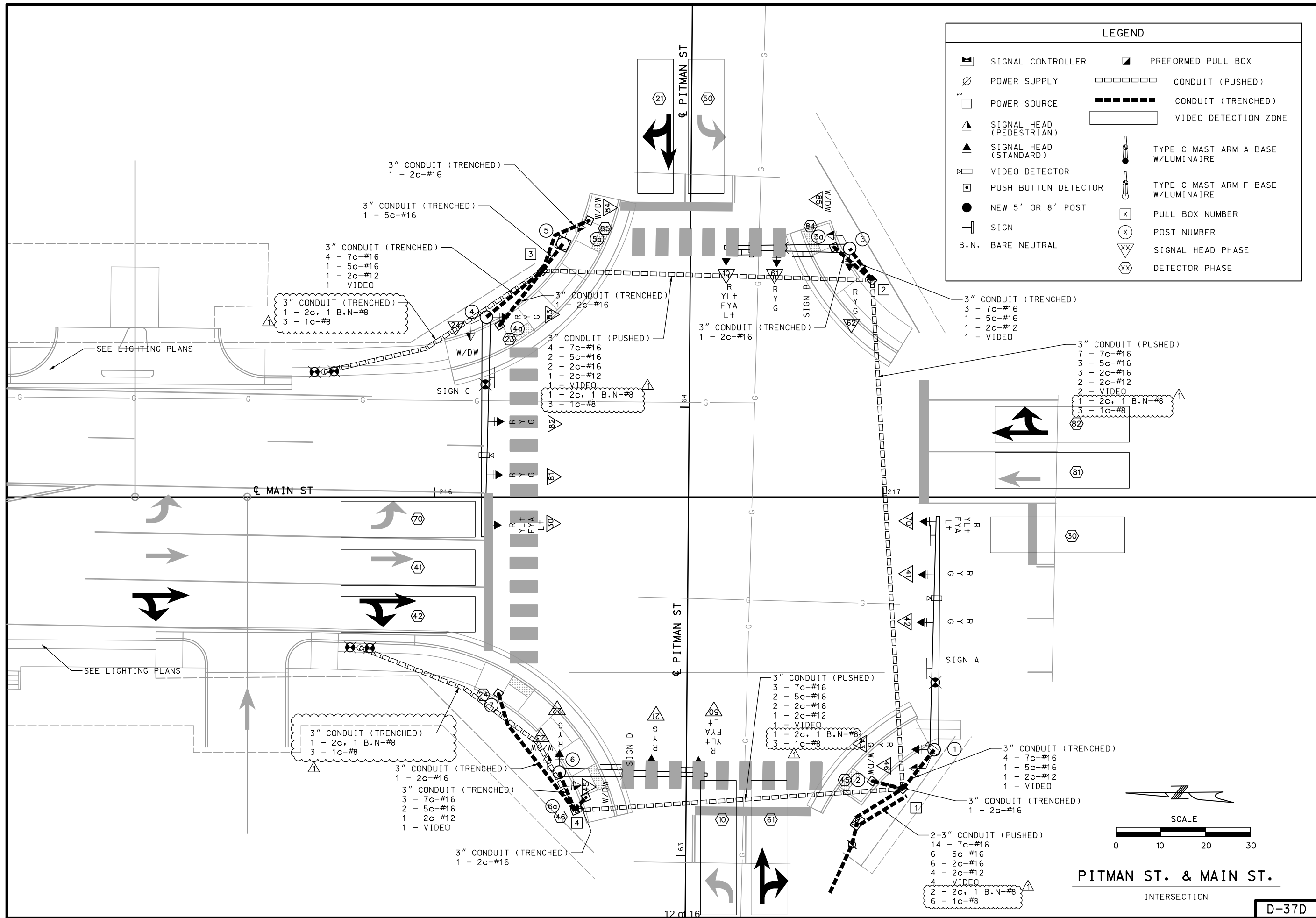
www.twm-inc.com

MISSOURI CERT. OF AUTHORITY: 001528

TRAFFIC - SIGNALS
PITMAN/MAIN
SG SHEET 10 OF 13

11 of 16

P:\2019\190446\4 CADD - DWG\4.7 Tran\Sheets\04_Final\037_SG_010_7302(675)_II_D37C.dgn 10:41:50 AM 8/3/2023



STATE OF MISSOURI

ERIC L. ALLMON

NUMBER

PE-2007020235

PROFESSIONAL ENGINEER

ERIC L. ALLMON

CIVIL ENGINEER

2007020235

DATE PREPARED

8/3/2023

ROUTE

STATE

DISTRICT

MO

SL

SHEET NO.

38

COUNTY

ST. CHARLES

JOB NO.

T29190446

CONTRACT ID.

PROJECT NO.

STP-7302(675)

BRIDGE NO.

DESCRIPTION

REVISED LIGHTING WIRING

DATE

8/3/23

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITAL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

MODOT

TWM

ENGINEERING

GEOSPATIAL SERVICES

400 NORTH FIFTH STREET, SUITE 110

ST. LOUIS, MO 63101

www.twm-inc.com

MISSOURI CERT. OF AUTHORITY: 001528

TRAFFIC - SIGNALS

PITMAN/MAIN

SG SHEET 11 OF 13

D-37D

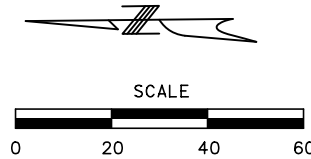
12 of 16

PITMAN ST. & MAIN ST. INTERSECTION

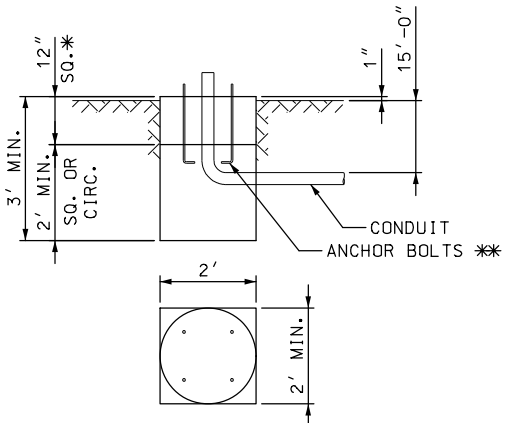
SCALE

0 10 20 30

P:\2019\190446\4 CADD - DWG\4.7 Tran\Sheets\04_Final\038_SG_011_7302(675)_i10_D37D.dgn 10:41:56 AM 8/3/2023



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



NOTE:
STREET LIGHT BASE SHALL BE STANDARD MODOT TYPE C SIGNAL BASE.
* SURFACE OF BASE TO BE CONSTRUCTED SQUARE FOR A DEPTH OF 12".
** ANCHOR BOLT DIMENSIONS ARE SHOWN ON THE MANUFACTURER'S APPROVED DRAWINGS.

STREET LIGHT BASE

LIGHTING LEGEND

	CONTROLLER, LIGHTING		150 W LUMINAIRE
	CONTROLLER, LIGHTING (EXISTING)		250 W LUMINAIRE
	WOOD POST		ATBM LED 250 W LUMINAIRE
	POWER SOURCE		POWER SUPPLY
	JUNCTION BOX		PULL BOX (EXISTING)
	PULL BOX CONCRETE TYPE 1		PULL BOX CONCRETE TYPE 2
	PULL BOX PREFORMED TYPE 1		PULL BOX PREFORMED TYPE 2
	CONDUIT, RIGID (TRENCH)		CONDUIT, RIGID (PUSHED)
	CONDUIT, RIGID (MEDIAN)		CONDUIT, RIGID (BRIDGE)
	CONDUIT, RIGID (EXISTING)		CABLE-CONDUIT (EXISTING)
			CABLE-CONDUIT

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.

POT STA 200+00.00

BEGIN PROJECT STA. 201+50.37

CIVIC PARK DR

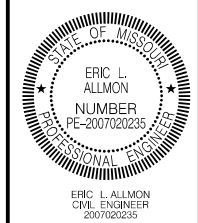
NORFOLK SOUTHERN RAILROAD EXIST. R/W

MAIN ST

10' ELECTRIC LINE ESM DB 453, PG 558

10' UTILITY EASEMENT PB 44, PG 55

MATCHLINE STA. 204+00.00



DATE PREPARED 8/3/2023	
ROUTE	STATE MO
DISTRICT SL	SHEET NO. 40
COUNTY ST. CHARLES	
JOB NO. T29190446	
CONTRACT ID.	
PROJECT NO. STP-7302(675)	
BRIDGE NO.	

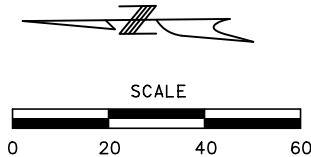
DATE	DESCRIPTION
8/3/23	REVISED LIGHTING WIRING

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

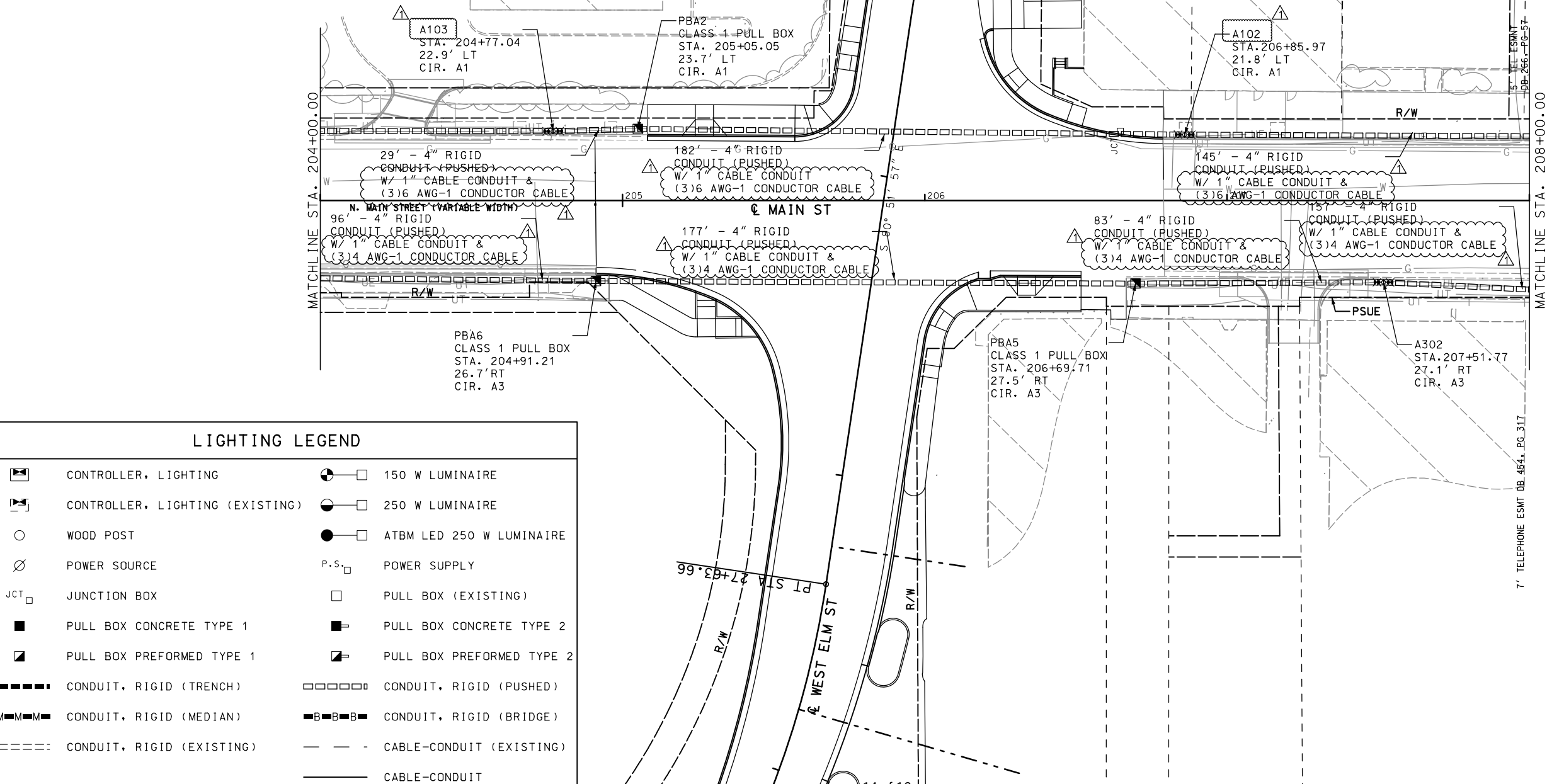
105 WEST CAPITAL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TWM ENGINEERING GEOSPATIAL SERVICES
400 NORTH FIFTH STREET, SUITE 100
ST. LOUIS, MO 63101
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

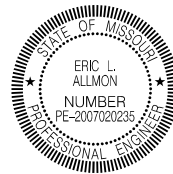
LIGHTING PLAN
MAIN STREET
LP SHEET 1 OF 4



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



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.



DATE PREPARED 8/3/2023	
ROUTE	STATE MO
DISTRICT SL	SHEET NO. 41
COUNTY ST. CHARLES	
JOB NO. T29190446	
CONTRACT ID.	
PROJECT NO. STP-7302(675)	
BRIDGE NO.	

DATE	DESCRIPTION
8/3/23	REVISED LIGHTING WIRING

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

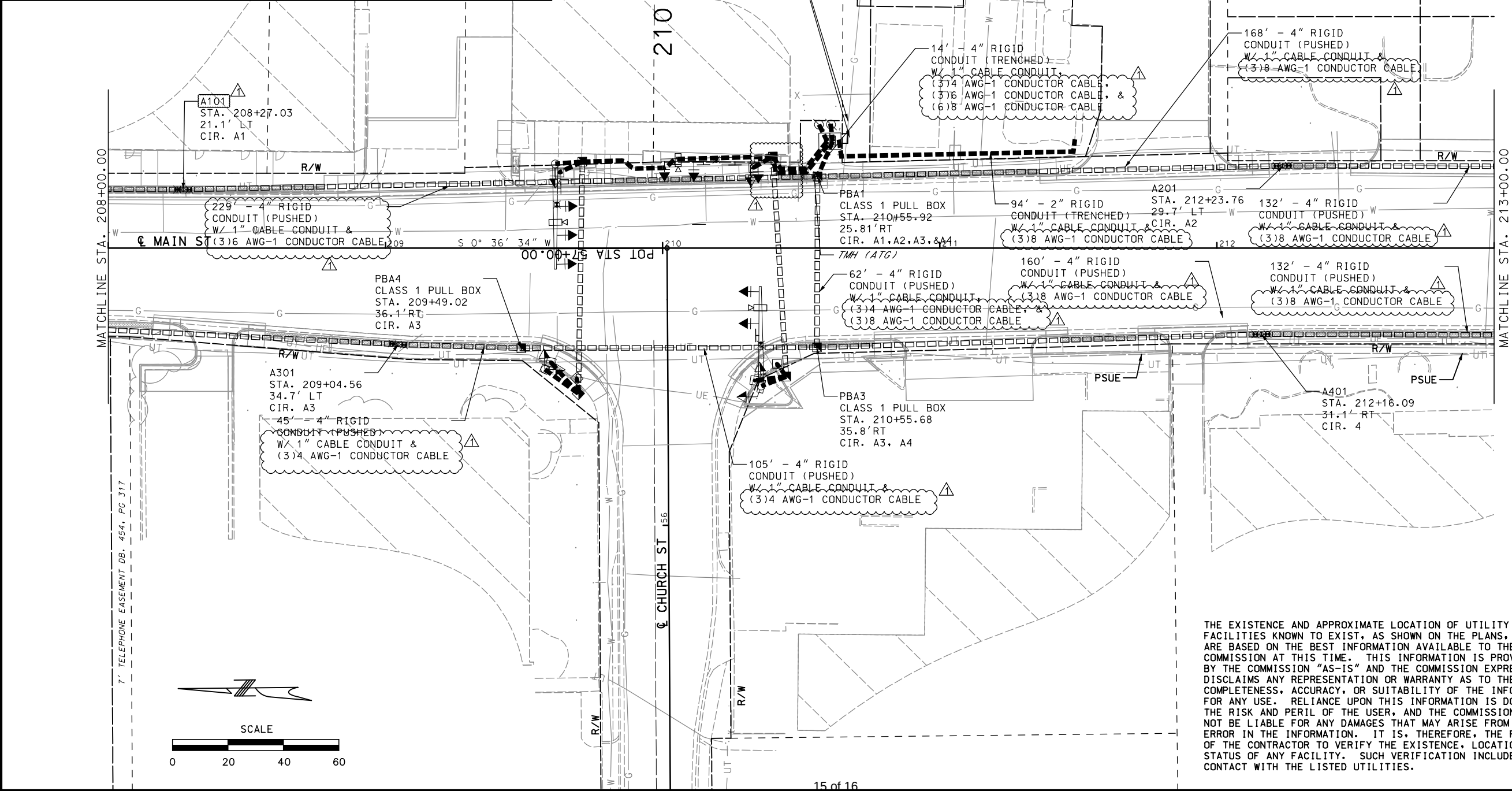
105 WEST CAPITAL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TWM ENGINEERING
GEOSPATIAL SERVICES
400 NORTH FIFTH STREET, SUITE 100
ST. LOUIS, MO 63101
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

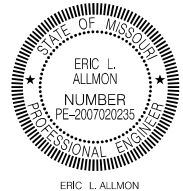
LIGHTING PLAN
MAIN STREET
LT SHEET 2 OF 4

LIGHTING LEGEND			
	CONTROLLER, LIGHTING		150 W LUMINAIRE
	CONTROLLER, LIGHTING (EXISTING)		250 W LUMINAIRE
	WOOD POST		ATBM LED 250 W LUMINAIRE
	POWER SOURCE		POWER SUPPLY
	JUNCTION BOX		PULL BOX (EXISTING)
	PULL BOX CONCRETE TYPE 1		PULL BOX CONCRETE TYPE 2
	PULL BOX PREFORMED TYPE 1		PULL BOX PREFORMED TYPE 2
	CONDUIT, RIGID (TRENCH)		CONDUIT, RIGID (PUSHED)
	CONDUIT, RIGID (MEDIAN)		CONDUIT, RIGID (BRIDGE)
	CONDUIT, RIGID (EXISTING)		CABLE-CONDUIT (EXISTING)
			CABLE-CONDUIT

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



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.



DATE PREPARED 8/3/2023	
ROUTE	STATE MO
DISTRICT SL	SHEET NO. 42
COUNTY ST. CHARLES	
JOB NO. T29190446	
CONTRACT ID.	
PROJECT NO. STP-7302(675)	
BRIDGE NO.	

DATE	DESCRIPTION
8/3/23	REVISED LIGHTING WIRING

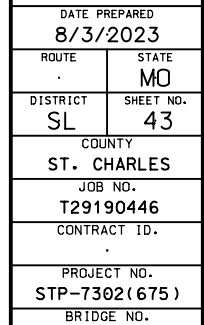
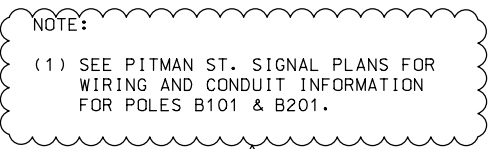
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MODOT

TWM ENGINEERING
GEOSPATIAL SERVICES
400 NORTH FIFTH STREET, SUITE 100
ST. LOUIS, MO 63101
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

LIGHTING PLAN
MAIN STREET
SP SHEET 3 OF 4



DATE	DESCRIPTION
8/8/3/23	REVISED LIGHTING WIRING
	*
*	*
*	*
*	*
*	*
*	*

**MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION**

 **MoDOT**

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



LIGHTING PLAN
MAIN STREET
SP SHEET 4 OF 4

DISCLAIMER

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