CONTROL STATION & POWER SUPPLY

SHEET NO.	CONTROL STATION NO.	STATION	OFFSET FT	LOCATION	BASE MOUNTED CONTROL STATION 240 VOLT - 4 CIRCUIT EA	POWER SUPPLY ASSEMBLY, TYPE 2, 240/120 VOLT, LIGHTING ONLY EA	REMARK
258	PS1	205+56.57	79.06' RT	ROUTE 13		1	
258	CS1	205+75.04	73.24' RT	ROUTE 13	1		
259	CS2	259+91.71	67.86' LT	ROUTE 13	1		
259	PS2	260+00.40	80.17' LT	ROUTE 13		1	
				PAY TOTAL	2	2	

LIGHTING CONDUIT AND CABLE

SHEET NO.	FROM	TO	CENTER TO CENTER LF	ADD 5% FOR SNAKING LF	ADD 8 FT PER POWER SUPPLY LF	ADD 8 FT PER CONTROLLER LF	ADD 6 FT PER PULL BOX LF	ADD 5 FT PER POLE CONNECTION LF	TRENCHING TYPE 1 LF	CONDUIT, 3 IN. RIGID, IN TRENCH LF	CONDUIT, 4 IN. RIGID, PUSHED LF	CABLE, 2 AWG 1 CONDUCTOR POWER LF	CABLE, 10 AWG 1 CONDUCTOR, POLE & BRACKET LF	CABLE- CONDUIT, 1 IN., 8 AWG 2 CON. & 1 NEUTRAL LF	REMARK
258	PS1	CS1	19.4	1	8	8				23.4		109.2			3 X 2 AWG CABLE
258	CS1	PB1	28.7	1.4		8	3			63.4				41.1	2 x 3" CONDUIT
258	PB1	L1	90.3	4.5			3	5	90.3				90	102.8	
259	PS2	CS2	15.1	0.8	8	8				19.1		95.7			3 X 2 AWG CABLE
259	CS2	PB2	17.7	0.9		8	3			41.4				29.6	2 x 3" CONDUIT
259	PB2	PB3	75.8	3.8			6		75.8					85.6	
259	PB3	L2	10.7	0.5			3	5	10.7				84	19.2	
259	CS2	PB2	17.7	0.9		8	3							29.6	
259	PB2	PB4	153.9	7.7			6				151.9			167.6	
259	PB4	L3	32	1.6			3	5	32				90	41.6	
								SUBTOTAL	208.8	147.3	151.9	204.9	264	517.1	
								PAY TOTAL	209	147	152	200	260	520	

1 REVISED

PULL BOX, PREFORMED CLASS 2

SHEET NO.	PULL BOX NO.	STATION	OFFSET	LOCATION	PULL BOX EA	DRAIN TYPE 2 * EA	REMARK
258	PB1	205+75.48	44.53' RT	ROUTE 13 AND ROUTE H	1	1	
259	PB2	259+77.00	57.76' LT	ROUTE 13 AND CRD 700	1	1	
259	PB3	259+13.18	38.25' LT	ROUTE 13 AND CRD 701	1	1	
259	PB4	260+99.50	35.66' RT	ROUTE 13 AND CRD 700	1	1	
				PAY TOTAL	4	*	

* NO DIRECT PAY FOR PULL BOX DRAIN

LIGHTING POLES & APPURTENANCES

SHEET NO.	POLE NO.	STATION	OFFSET FT	LOCATION	LIGHTING POLE, 30 FT, TYPE AT EA	BRACKET ARM, 12 FT EA	BRACKET ARM, 15 FT EA	LUMINAIRE LED-A EA	POLE FOUNDATION 30 FT. MOUNTING HEIGHT EA	REMARK
258	L1	206+60.87	61.30' RT	ROUTE 13 AND ROUTE H	1		1	1	1	
259	L2	259+01.83	40.95' LT	ROUTE 13 AND CRD 700	1	1		1	1	
259	L3	261+29.63	32.83' RT	ROUTE 13 AND CRD 700	1		1	1	1	
				PAY TOTAL	3	1	2	3	3	

1 REVISED

SUMMARY OF QUANTITIES
SHEET 27 OF 32

STATE OF MISSOURI
JODIE LYNN PUHR
NUMBER PE-2014000073
PROFESSIONAL ENGINEER
12/12/2026 9:37:12 PM
JODIE LYNN PUHR - CIVIL
MO-PE-2014000073

DATE PREPARED
11/12/2026

ROUTE	STATE
13	MO
DISTRICT	SHEET NO.
KC	3

COUNTY
LAFAYETTE / JOHNSON

JOB NO.
J4P2333

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)

REV.

LIGHTING LEGEND

CONTROLLER, LIGHTING		LED-A LUMINAIRE	
WOOD POST		POWER SOURCE	P.S.
POWER SUPPLY		PULL BOX PREFORMED TYPE 2	
CONDUIT, RIGID (TRENCH)		CONDUIT, RIGID (PUSHED)	
		CABLE-CONDUIT	

205

210

215

800TH RD (PRIVATE)

P.E.

EXIST. R/W

EOP

S.L.

BOC

1 15 FT.

TEMP. ESM'T

NEW R/W

CONS'T ℄ RTE 13

LIGHTING POLE, 30 FT.
BRACKET ARM, 12 FT.
LUMINAIRE, LED-A

PB1

L1

PULL BOX, PREFORMED CLASS 2

PS1 POWER SUPPLY ASSEMBLY, TYPE 2, 240 / 120 VOLT, LIGHTING ONLY (PEDESTAL)

1" CABLE CONDUIT

2" TRENCHED CONDUIT

1 2 X 3" TRECHED CONDUIT

1 3" TRENCHED CONDUIT (POWER SOURCE TO POWER SUPPLY)

1 3" → 4" TRENCHED CONDUIT (POWER SUPPLY TO CONTROL STATION)

CS1 BASE MOUNTED CONTROL STATION 240 VOLT - 4 CIRCUIT

P1 STA 2+45.55

POT STA 0+00.00

CONS'T ℄ RTE H

SCALE

0 50 100 150

1 REVISED

LIGHTING SHEET
SHEET 1 OF 2

STATE OF MISSOURI
JODIE LYNN PUHR
NUMBER PE-2014000073
PROFESSIONAL ENGINEER
11/12/2026 9:38:47 PM
JODIE LYNN PUHR - CIVIL
MO-PE-2014000073

DATE PREPARED
11/12/2026

ROUTE	STATE
13	MO
DISTRICT	SHEET NO.
KC	258

COUNTY
LAFAYETTE / JOHNSON

JOB NO.
J4P2333

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)

LIGHTING LEGEND

CONTROLLER, LIGHTING		LED-A LUMINAIRE	
WOOD POST		POWER SOURCE	P.S.
POWER SUPPLY		PULL BOX PREFORMED TYPE 2	
CONDUIT, RIGID (TRENCH)		CONDUIT, RIGID (PUSHED)	
		CABLE-CONDUIT	

PS2 POWER SUPPLY ASSEMBLY, TYPE 2, 240 / 120 VOLT, LIGHTING ONLY (PEDESTAL)

1 3" TRENCHED CONDUIT (POWER SOURCE TO POWER SUPPLY)

1 3" TRENCHED CONDUIT (POWER SUPPLY TO CONTROL STATION)

CS2 BASE MOUNTED CONTROL STATION 240 VOLT - 4 CIRCUIT

1 2 X 3" TRENCHED CONDUIT

PULL BOX, PREFORMED CLASS 2

1" CABLE-CONDUIT

PULL BOX, PREFORMED CLASS 2

1" CABLE-CONDUIT

LIGHTING POLE, 30 FT.
BRACKET ARM, 12 FT.
LUMINAIRE, LED-A

255

260

265

E 700TH RD

W 700TH RD

CONS'T ℄ RTE 13

TEMP. ESM'T

S.L.

EOP

P.S.

L2

PB2

PB3

1

NEW R/W

TEMP. ESM'T

EXIST. R/W

S.L.

EOP

4" PUSHED CONDUIT

1

POT STA 265+80.87

EOP

S.L.

EXIST. R/W

EOP

L3

PB4

LIGHTING POLE, 30 FT.
BRACKET ARM, 12 FT.
LUMINAIRE, LED-A

1" CABLE CONDUIT

PULL BOX, PREFORMED CLASS 2

15 FT.

1

S.L.

NEW R/W

TEMP. ESM'T

NEW R/W

TEMP. ESM'T

SCALE

0 50 100 150

1 REVISED

LIGHTING SHEET
SHEET 2 OF 2

STATE OF MISSOURI
JODIE LYNN PUHR
NUMBER PE-2014000073
PROFESSIONAL ENGINEER
11/12/2026 9:39:22 PM
JODIE LYNN PUHR - CIVIL
MO-PE-2014000073

DATE PREPARED
11/12/2026

ROUTE	STATE
13	MO
DISTRICT	SHEET NO.
KC	259

COUNTY
LAFAYETTE / JOHNSON

JOB NO.
J4P2333

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)