POLES, ARMS AND LUMINAIRES

LIGHTING SHEET NO.	LUMIN. POLE NO.	STATION	OFFSET	LOCATION	30' POLE AT	30' POLE B	45' POLE TYPE AT D1	45' POLE TYPE AT D2	45' POLE TYPE AT D3	45' POLE TYPE AT D4	45' POLE TYPE AT D5	45' POLE TYPE B D3	45' POLE TYPE MB D3	RELOC. POLE	LUMINAIRE LED-A	LUMINAIRE LED-B	LUMINAIRE LED-C	LUMINAIRE 150W HP SODIUM (UNDERPASS)	BRACKET ARM 4'	BRACKET ARM 6'	BRACKET ARM 8'	BRACKET ARM 10'	BRACKET ARM 12'	BRACKET ARM 15'	CABLE, 10 AWG 1 CONDUCTOR POLE AND BRACKET	POLE FOUNDATION 30' POLE	POLE FOUNDATION 45' POLE
1	A1-1	7+00	20.8' LT	℄ CRUSHER ROAD				1								1						1			110		1
1	A2-1	23+60	51.6' RT	℄ WELDON SPRINGS RD				1								1						1			110		1
1	A2-2	25+25	21.1' LT	℄ WELDON SPRINGS RD				1								1						1			110		1
1	A2-3	23+75	37.6' LT	℄ WELDON SPRINGS RD				1								1						1			110		1
1	A3-1	22+65	30.2' RT	℄ WELDON SPRINGS RD				1								1						1			110		1
1	A3-2	21+27	17.0' RT	℄ WELDON SPRINGS RD				1								1						1			110		1
1	A3-3	22+87	55.8' LT	℄ WELDON SPRINGS RD				1								1						1			110		1
1	A3-4	3+40	25.3' RT	℄ CRUSHER ROAD				1								1						1			110		1
1	A4-1	28+61	18.8' LT	℄ WELDON SPRINGS RD				1								1						1			110		1
			SUBTOTALS:					9								9						9			990		9

PULL BOXES

LIGHTING SHEET	STATION	OFFSET	LOCATION	P.B. NO.	CONCRETE DOUBLE TYPE A	CONCRETE DOUBLE TYPE B	CONCRETE STANDARD	PREFORM CL 1	PREFORM CL 2	PREFORM CL 3	DRAIN TYPE
1	23+44	72.7' RT	℄ WELDON SPRINGS RD	1	1						I
1	25+31	24.9' RT	℄ WELDON SPRINGS RD	2			1				I
1	25+31	21.7' LT	℄ WELDON SPRINGS RD	3			1				I
1	23+36	94.3' RT	℄ WELDON SPRINGS RD	4			1				I
1	22+89	85.7' RT	℄ WELDON SPRINGS RD	5			1				I
1	21+21	18.7' RT	℄ WELDON SPRINGS RD	6			1				I
1	21+20	22.2' LT	℄ WELDON SPRINGS RD	7			1				I
		SUBTOTALS:			1		6				
		PAY TOTALS:			1		6				

RIGID CONDUIT

LIGHTING SHEET	FROM	TO	LOCATION	CENTER TO CENTER	CIR	TRENCHED ("Ø") 2"	TRENCHED ("Ø") 3"	TRENCHED ("Ø") 4"	TRENCHED ("Ø") 5"	PUSHED ("Ø") 3"	PUSHED ("Ø") 4"	PUSHED ("Ø") 5"	MEDIAN 2"	MEDIAN 3"	2"	3"	EXTERNAL ON STRUC. 4"
1	2	3	℄ WELDON SPRINGS RD							45							
1	4	5	℄ WELDON SPRINGS RD							47							
1	6	7	℄ WELDON SPRINGS RD							38							
1	1	CONT.	℄ WELDON SPRINGS RD				7										
1	CONT	PS	℄ WELDON SPRINGS RD			9											
1	PS	EX PS	℄ WELDON SPRINGS RD			141											
			SUBTOTALS:			150	7			130							
			PAY TOTALS:			150	7			130							

1" CABLE CONDUIT 2 CONDUCTORS & 1 BARE NEUTRAL / CABLE / TRENCHING

LIGHTING SHEET	CONT.	CIRCUIT	FROM	TO	#8 AWG FEET	CABLE #2 AWG 1 COND. FEET	TRENCHING TYPE I	TRENCHING TYPE II	TRENCHING TYPE III
1	CONT.	1	CONT	A1-1	267		128		
1	CONT.	2	CONT	A2-1	166		27		
1	CONT.	2	A2-1	A2-2	366		183		
1	CONT.	2	A2-2	A2-3	275		155		
1	CONT.	3	CONT	A3-1	284		133		
1	CONT.	3	A3-1	A3-2	264		144		
1	CONT.	3	A3-2	A3-3	351		181		
1	CONT.	3	A3-3	A3-4	227		107		
1	CONT.	4	CONT	A4-1	750		554		
1	CONT.		CONT	PS		87			
1	CONT.		PS	EX. PS		471			
			SUBTOTALS:		2950	558			
			5% FOR SNAKING		148	28			
			PAY TOTALS:		3100	590			
			TRENCHING SUBTOTALS:				1612		
			TRENCHING PAY TOTALS:				1612		

CONTROL STATIONS AND POWER SUPPLY

LIGHTING SHEET	STATION	OFFSET	LOCATION	TYPE 2 (PED) LT ONLY 240 V	TYPE 2 (PED) LT+ SIG 240/120V	TYPE 2 (PED) LT ONLY 480V	TYPE 2 (PED) LT+ SIG 480/120V	LIGHTING SHEET	STATION	OFFSET	LOCATION	CONTROL LETTER	BREAKERS (AMPS) MAIN	CIRCUIT 1	CIRCUIT 2	CIRCUIT 3	CIRCUIT 4	BASE MOUNT 4 CIR. 240V	BASE MOUNT 4 CIR. 480 V
1	5+73	47.5' LT	℄ CRUSHER ROAD	1				1	5+78	36.3' LT	℄ CRUSHER ROAD	A		15	15	15	15	1	
			TOTALS, EACH:	1													TOTALS, EACH:	1	

STATE OF MISSOURI
PAUL JOSEPH KRONLAGE
NUMBER EN 023328
REGISTERED PROFESSIONAL ENGINEER

Paul J. Kronlage
08/10/2024 11:33:05 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED 8/8/2024
DISTRICT SL | STATE MO
SHEET NO. 40
ROUTE WELDON SPRING
OA JOB NO. 221150
EW GATEWAY ID. 7209-22
PROJECT NO. CMAQ-7302(691)
BRIDGE NO. N/A

DESCRIPTION
DATE

EFK•Moen
Civil Engineering Design
13523 Barrett Parkway Dr., Suite 250
St. Louis, MO 63021
Phone: 314-394-3100
Missouri Certificate of Authority: 001578

CITY OF O'FALLON
ENGINEERING DEPARTMENT
100 NORTH MAIN STREET
O'FALLON, MO 63366
tel 636.379.5596

LIGHTING PLAN
SHEET 2 OF 2

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

REV.