EFFECTIVE: 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*						LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT							
							MAIN BREAKER							
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS		LIGHTING		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
BRYAN ROAD	113+10	60' RT	Type 2	.	15 Amps	15 Amps	20 Amps		15 Amps			15 Amps	Cl. Ft.	AMEREN
.	.	.	Type	.	. Amps	Amps	Amps		Amps			Amps	Cl. Ft.	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH TYPE		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE * (3)			170 CABINET TYPE *		170 SOFTWARE *	
									12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
BRYAN ROAD	113+02	54.5' RT	.	.	1	.	.				.	1	.	.		.	1		.	.	.	.
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DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		PUSH BUTTON (AUDIBLE)	INDUCTION LOOP (2)			VIDEO
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
20	BRYAN	.	.	.	.	1
21	BRYAN					1
50	BRYAN					1
.						
30	CORA MARIE					1
31	CORA MARIE					1
80	CORA MARIE					1
.						
60	BRYAN					1
61	BRYAN					1
.						
41	BRYAN	1				
42	BRYAN	1				
.						
62	CORA MARIE	1				
63	CORA MARIE	1				
.						
81	BRYAN	1				
82	BRYAN	1				
.						
.						
.						
.						
.						
.						
.						
	TOTAL	6				

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(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) THE CONTROLLER ASSEMBLY SHALL BE EQUIPT WITH A BATTERY BACKUP SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A BATTERY BACKUP SYSTEM THAT ARE SIZED APPROPRIATELY FOR THE INTERSECTION LOAD. THE CONTRACTOR SHALL SUBMIT THE BATTERY BACKUP SYSTEM PRODUCT SPECIFICATIONS TO THE CITY OF O'FALLON FOR ARROVAL PRIOR TO INSTALLATION.

VIDEO DETECTION CAMERAS

CAMERA NO.	LOCATION
V-1	MAST ARM POLE 1
V-2	MAST ARM POLE 2
V-3	MAST ARM POLE 3

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12
Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	Ø2 PED	Ø4 PED	Ø6 PED	Ø8 PED

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
2	R10-3E LT	9 X 15	0.9	1.8	2
2	R10-3E RT	9 X 15	0.9	1.8	2
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL	3.6	
			TOTAL	4.0	4

BRYAN ROAD & CORA MARIE DRIVE

INTERSECTION

D-37C

STATE OF MISSOURI
DANIEL SCOTT GOFORTH
NUMBER
2010019545
PROFESSIONAL ENGINEER
02/27/24
DANIEL S. GOFORTH
CIVIL ENGINEER
2010019545

DATE PREPARED
02/27/2024

ROUTE	STATE
.	MO
DISTRICT	SHEET NO.
STL	21

COUNTY
ST. CHARLES

JOB NO.
.

CONTRACT ID.
.

PROJECT NO.
1201400

BRIDGE NO.
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DATE	DESCRIPTION
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KALECO, LLC
7 BAXTER LANE
CHESTERFIELD, MO 63017
(217-370-7623)

VOLKERT
CERTIFICATE OF AUTHORITY
NO. F00391502
401 S. 18TH STREET
SUITE 250
ST. LOUIS, MO 63103

BYRAN ROAD & FEISE ROAD IMPROVEMENTS

SIGNAL PLAN (SG)
(4 OF 11)