

POWER SUPPLY														
LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL* (ON POWER SUPPLY)		SERVICE POLE			
APPROACH	STATION	OFFSET	DRAWING	Type	Type	CONTROLLER		POWER SUPPLY DISCONNECT		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH		UTILITY COMPANY
						AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN	LIGHTING			CL	FL	
MEXICO ROAD	29+48	68' L		1(6)		15 Amps	40 Amps	100 Amps	100 Amps		30 Amps	CL	FL	

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	NEMA		170		TYPE		12C/7C HARDWARE (1)		TIME BASE	CLOSED LOOP		FIBER	E			332		336S		BITRAN		WAPITI		
			NEMA	170	I	II	MASTER	LOCAL	NEMA	170		E	EV		DOUBLE											
MEXICO ROAD	29+41	63' L												1												

DETECTOR SCHEDULE						
DETECTOR NUMBER	APPROACH	TYPE				VIDEO
		PUSH BUTTON (3)	INDUCTION LOOP (2)			
			STANDARD	DELAY/EXTEND*	CALL UNIT*	
VIDEO DETECTION						
P1	MEXICO ROAD	1				1(4)
P2	MEXICO ROAD	1				
P3	MEXICO LOOP ROAD EAST	1				
P4	MEXICO LOOP ROAD EAST	1				
P5	MEXICO ROAD	1				
P6	MEXICO ROAD	1				
P7	MEXICO LOOP ROAD EAST	1				
P8	MEXICO LOOP ROAD EAST	1				
TOTAL		8				

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

- MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS.
- PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.
- THE PEDESTRIAN PUSHBUTTONS SHALL BE POLARA BULLDOG (ADA COMPLIANT), AND SHALL BE MOUNTED 42" ABOVE THE PEDESTRIAN PATH.
- THE CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE ITERIS VIDEO DETECTION SYSTEM, 4 CAMERAS W/ENCLOSURES, MOUNTING HARDWARE/BRACKETS, TERMINATION PANELS, POWER AND COMMUNICATION CABLES, PROCESSORS, AND MISCELLANEOUS EQUIPMENT NECESSARY FOR A FULLY OPERATIONAL VIDEO DETECTION SYSTEM. THIS WILL BE A COMPLETE UNIT WITH ALL COSTS INCLUDED.
- SEE SHEETS TS8-TS9 FOR FIBER SPLICING DETAILS.
- CONTRACTOR SHALL PROVIDE AND INSTALL POWER SUPPLY PEDESTAL FOR 120 VOLT SIGNAL AND 120 VOLT, SINGLE CIRCUIT LIGHTING.
- THE CONTROLLER SHALL BE EAGLE EPAC 380BM50.

NEMA DETECTOR ASSIGNMENT										
CARD POSITION										
	1	2	3	4	5	6	7	8		
CHANNEL	1	VIDEO DETECTION (4)								
	2	VIDEO DETECTION (4)								

TOTAL NUMBER OF DETECTOR CARDS (2-CHANNEL) = _____ (2)

NEMA LOAD SWITCH ASSIGNMENTS											
1	2	3	4	5	6	7	8	9	10	11	12
ø1	ø2	ø3	ø4	ø5	ø6	ø7	ø8	2P	4P	6P	8P
EBL	WB	NBL	SB	WBL	EB	SBL	NB	N.SIDE	W.SIDE	S.SIDE	E.SIDE

7/17/09

DATE PREPARED
ROUTE STATE
DISTRICT SHEET NO.
COUNTY
ST. CHARLES
JOB NO.
238-07
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION
4/13/09	50% PRELIMINARY DESIGN
6/5/09	90% DESIGN SUBMITTAL
7/17/09	100% FINAL SUBMITTAL

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