

POWER SUPPLY													
LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY) (3)		SERVICE POLE		
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	CONTROLLER		POWER SUPPLY DISCONNECT		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY	
					AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER	LIGHTING					
HIGHWAY K	83+00	59' R	Type 2		15 Amps	40 Amps	50 Amps	50 Amps			CL	FL	
			Type		Amps	Amps	Amps	Amps			CL	FL	

EFFECTIVE 04-01-2002

- \* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.
- (1) EXISTING TRAFFIC CONTROLLER TO BE USED IN PLACE.
  - (2) THE CONTRACTOR SHALL PROVIDE AND INSTALL A TRAFICON VIP 3D.2 VIDEO DETECTION SYSTEM, 4 COLOR CAMERAS WITH ENCLOSURES, MOUNTING BRACKETS, CABLE, PROGRAMMING, TERMINATION PANELS AND ALL MISCELLANEOUS HARDWARE NECESSARY FOR A FULLY OPERATIONAL VIDEO DETECTION SYSTEM CAPABLE OF PROVIDING VIDEO DETECTION FOR 4 SEPARATE VEHICULAR APPROACHES. CONTRACTOR SHALL ALSO PROVIDE THE LATEST SOFTWARE NEEDED TO INTERFACE WITH SYSTEM VIA A PC. THIS WILL BE A COMPLETE UNIT WITH ALL COSTS INCLUDED.
  - (3) CABINET TO HAVE 4-CARD DETECTOR RACK WITH POWER SUPPLY INSTALLED AS SHOWN WITH DUAL CARD WIRING FOR POSITIONS 2 AND 4(4 CHANNEL OPERATION). POSITION 5 THRU 8 TO REMAIN 2-CHANNEL.
  - (4) FOR FIBER OPTIC INTERCONNECT. (18sm + 6mm)
  - (5) EXISTING CONTROLLER IS A EAGLE EPAC M40 WITH AN INTERNAL FIBER OPTIC MODEM.
  - (6) CABINET AND CONTROLLER SHALL BE CONFIGURED TO PROVIDE FOR A CONTINUOUS CLOSED LOOP SIGNAL SYSTEM OPERATION WITH THE SYSTEMS TO THE NORTH AND SOUTH ON HIGHWAY K.

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT																					
LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF SWITCH		COORDINATION INTERFACE *				NEMA CABINET TYPE *		170 CABINET TYPE *		170 SOFTWARE *				
APPROACH	STATION	OFFSET	NEMA		NEMA		TYPE		12C/7C (1)	HARDWIRE (1)	TIME BASE	CLOSED LOOP		FIBER	TIME CLOCK	E		EV		BITRAN	WAPITI
			170	170	I	II	NEMA	170				E	EV								
HIGHWAY K	83+15	55.6' R			UIP(1)							UIP (5)		UIP (6)							

DETECTOR SCHEDULE						
DETECTOR NUMBER	VIDEO DETECTION SYSTEM (APPROACH)	PUSH BUTTON	TYPE			VIDEO
			STANDARD	DELAY/EXTEND *	CALL UNIT *	
	1 (2)					
61	(SBL ROUTE K)		UIP			
62	(SBL ROUTE K)		UIP			
63	(SBL ROUTE K)		UIP			
64	(SBL ROUTE K)		UIP			
21	(NBL ROUTE K)		UIP			
22	(NBL ROUTE K)		UIP			
23	(NBL ROUTE K)		UIP			
24	(NBL ROUTE K)		UIP			
23	(NBL ROUTE K)	1				
24	(NBL ROUTE K)	1				
84	(NBL ROUTE K)	1				
63	(SBL ROUTE K)	1				
64	(SBL ROUTE K)	1				
83	(SBL ROUTE K)	1				
TOTAL		6				

NEMA DETECTOR ASSIGNMENT								
CARD POSITION								
	1	2	3	4	5	6	7	8
CHANNEL	ø1	ø2	ø3	ø4	21	23	61	63
	ø5	ø6	ø7	ø8	22	24	62	64

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = 4 (3)

170 INPUT FILE ASSIGNMENTS															
CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
"I"	U														
"L"															
"J"	U														
"L"															

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		ø4	ø5	ø6	OLA	ø8	OLB	ø2	ø6	ø8
SBLT	NB		EB	NBLT	SB	WB		PED	PED	PED	

HIGHWAY K & COMMERCIAL ENTRANCE INTERSECTION

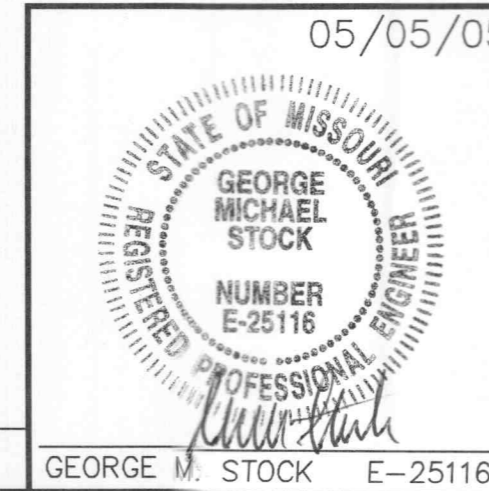
170 OUTPUT FILE ASSIGNMENTS						
FR1						MONITOR
FR2						
FR3						
FR4						

170 AUXILIARY OUTPUT FILE						
FR5						X
FR6						

- △ REVISED FOR MoDOT COMMENTS 03/17/05
- △ REVISED FOR MoDOT COMMENTS AND VALUE ENGINEERING 03/10/05

TERRA RETAIL DEVELOPMENT/ASHLEY FURNITURE  
D-37C SUMMARY SHEET

P&Z NOS: 98-126.03  
98-126.04  
05/05/05



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CHECKED BY: G.M.S. DATE: 11/23/04  
JOB NUMBER: 204-3381  
SHEET: C20 of 23

D-37C