EFFECTIVE 03-28-2002

GBA GEORGE BUTLER ASSOCIATES, INC. Engineers • Architects Kansas • Missouri • Illinois

DATE: APRIL, 2003
DESIGN BY: DTS
DRAWN BY: TMW
PROJECT NO.: 10081

TRAFFIC SIGNAL MODIFICATION
T.R. HUGHES AND WIDEL LANE
O'FALLON, MISSOURI

SHEET NO. 5 | TOTAL SHEETS 7

CONDUIT

FROM	TO	CTR TO CTR DISTANCE	LOOP DET. 1"	TRENCH 2"	TRENCH 3"	TRENCH 4"	MEDIAN 2"	MEDIAN 3"	PUSHED 2"	PUSHED 4"	ON STRUCTURE 2"	ON STRUCTURE 3"	ON STRUCTURE 4"	REMARKS
☒	1	11				14								
1	①	32			35									
1	2	67								65				
1	4	6		4										
2	②	14			17									
2	3	113								111				
3	④	20			23									
3	10	75								73				
10	③	7			10									
2	6	166		164										INTERCONNECT(TO EAST TERRA LN.)
6	7	148		146										INTERCONNECT
7	8	80							78					INTERCONNECT
8	☒	14		17										INTERCONNECT
☒	4	10		13										POWER SUPPLY
4	5	55							106					POWER SUPPLY
5	9	63		122										POWER SUPPLY
9	⊗	84		166										POWER SUPPLY
TOTALS				632	85	14			184	249				

CABLE

FROM	TO	CTR TO CTR DISTANCE	POWER 1c #6	CONTROL 2c #12	CONTROL 5c #12	CONTROL 7c #12	CONTROL 12c #12	24 MODE FIBER OPTIC INTERCONNECT CABLE (18 SINGLE/ 6 MULT.)	POLE & BRACKET 1c #10	VIDEO DETECTION CABLE * MVP CABLE	REMARKS
⊗	☒	212	740								POWER SUPPLY
☒	10	43				123					SIGNAL HEADS
☒	61	43				123					
☒	41	92				172					
☒	50	211				306					
☒	21	211				306					
☒	22	211				294					
☒	81	273				367					
⊗	①	240		274					80		LUMINAIRES
⊗	②	289		329					80		
⊗	③	470		522					80		
⊗	④	408		454					80		
☒	V-1	43								83	VIDEO DETECTION
☒	V-2	92								138	
☒	V-3	273								331	
☒	V-4	211								263	
☒	☒	486						616			INTERCONNECT
TOTALS			740	1579		1691		616	320	815	

* VIDEO DETECTION CABLE SHALL BE CONSIDERED SUBSIDIARY TO "VIDEO DETECTION" BID ITEM.

STATE OF MISSOURI DANIEL T. SHANE NUMBER E-29833 REGISTERED PROFESSIONAL ENGINEER 4/18/03

T.R. HUGHES BOULEVARD AND WIDEL LANE
INTERSECTION

D-37B