EFFECTIVE 03-28-2002

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

DATE:	APRIL, 2003
DESIGN BY:	DTS
DRAWN BY:	DTS
PROJECT NO:	9803
SHEET NO.	4
TOTAL SHEETS	6

TRAFFIC SIGNAL MODIFICATION
T.R. HUGHES AND COOL SPRINGS INDUSTRIAL DRIVE
O'FALLON, MISSOURI

REVISED 4/18/2003 AS PER CITY COMMENTS – DTS

CONDUIT

FROM	TO	CTR TO CTR DISTANCE	LOOP DET.	TRENCH					MEDIAN			PUSHED				ON STRUCTURE			REMARKS
			1"	2"	3"	4"	5"		2"	3"		3"	4"	5"		2"	3"	4"	
Tran.	⊗				610±														Schedule 40 PVC w/ pullstring
⊗	☒	11		15															
⊗	1	16		15															
☒	1	16				38													
1	①	16			17														
1	2	111				109													
1	4	71				69													
2	②	12			13														
2	③	13		14															
2	3	83				81													
3	④	16			17														
4	⑤	38			39														
4	⑥	13		14															
TOTALS				58	696	297													

CABLE

FROM	TO	CTR TO CTR DISTANCE	POWER		CONTROL				VIDEO * DETECTION CABLE	POLE & BRACKET	DETECTOR		REMARKS
			1c #8		2c #12	5c #12	7c #12	12c #12	MVP CABLE	1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	
☒	10	32					114						SIGNAL HEADS
☒	81	32					102						
☒	82	32					90						
☒	83	32					59						
☒	30	139					214						
☒	81	139					204						
☒	82	139					172						
☒	50	226					317						
☒	21	226					305						
☒	22	226					293						
☒	23	226					265						
☒	70	125					200						
☒	41	125					190						
☒	42	125					158						
☒	①	32			110	112							PEDESTRIAN HEADS
☒	③	140			338	340							AND PUSH BUTTONS
☒	④	125			522	524							
☒	⑥	100			258	260							
⊘	①	32			48					80			LUMINAIRES
⊘	②	139			161					80			
⊘	④	226			254					80			
⊘	⑤	125			147					80			
☒	V-1	32							72				VIDEO DETECTION
☒	V-2	139							185				
☒	V-3	226							278				
☒	V-4	125							171				
TOTALS			90		1838	1236	2683		706	320			

* 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