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. 4 | TOTAL SHEETS 7

SPAN WIRE POLES

POST NUMBER	WOOD CLASS IV	WOOD CONCRETE* EMBEDMENT	STEEL (A10 BASE REQUIRED)
TOTAL			

SPAN WIRE CABLE SPANS

SPAN NUMBER	FROM POST	TO POST	SINGLE MESSENGER ASSEMBLY (LIN. FT.)	DOUBLE MESSENGER ASSEMBLY (LIN. FT.)
TOTAL				

LOCATION / BASES / PULL BOX / POST

POST NUMBER	PULL BOX NUMBER	APPROACH	STATION	OFFSET	BASES A: 8 10 13	BASES A: 8 MOD DOT	BASES A: 10 MOD DOT	BASES A: 13 MOD DOT	BASES B: 8 10 13	BASES C	CONCRETE (CU. YDS.)	PULL BOX PREFORMED CLASS 1	PULL BOX PREFORMED CLASS 2	PULL BOX PREFORMED CLASS 3	PULL BOX CONC. STANDARD	PULL BOX CONC. DOUBLE	DRAIN TYPE* I	DRAIN TYPE* II A	DRAIN TYPE* II B	DRAIN TYPE* II C	TOP MOUNT POST LENGTH (FEET)	TYPE C & CL ARM LENGTH A	TYPE C & CL ARM LENGTH A	TYPE C & CL ARM LENGTH A	TYPE C & CL ARM LENGTH A	TYPE C & CL ARM LENGTH A	TYPE C & CL ARM LENGTH A	TYPE C & CL SIGNAL SPACING B	TYPE C & CL SIGNAL SPACING C	TYPE C & CL SIGNAL SPACING D	TYPE C & CL SIGNAL SPACING D'	TYPE C & CL SIGN SPACING B	TYPE C & CL SIGN SPACING C	TYPE C & CL SIGN SPACING D	TYPE C & CL SIGN SPACING D'
			CONTROLLER	(AS REQ'D)							1.35																								
1		TR HUGHES BOULEVARD	99+79.2	49.8 R				1			3.93														45				20.5	12	12				
2		TR HUGHES BOULEVARD	98+96.2	65.84 R			1				3.14												22						19.5						
3		TR HUGHES BOULEVARD	99+61.5	64.8 R			1				3.14											30							29						
4		TR HUGHES BOULEVARD	98+71.5	48.49 L				1			3.93													50					12	12	12	12			
	1	TR HUGHES BOULEVARD	99+49.4	65.2 R												1	1																	
	2	TR HUGHES BOULEVARD	98+92.6	54.4 R									1				1																	
	3	TR HUGHES BOULEVARD	98+89.9	57.8 L									1				1																	
	4	TR HUGHES BOULEVARD	99+49.2	70.5 R								1					1																	
	5	TR HUGHES BOULEVARD	99+08.3	94.7 R								1					1																	
	6	TR HUGHES BOULEVARD	97+27.8	44.0 R								1					1																	
	7	TR HUGHES BOULEVARD	95+96.3	87.3 R								1					1																	
	8	TR HUGHES BOULEVARD	95+16.5	87.3 R								1					1																	
	9	TR HUGHES BOULEVARD	99+05.2	157.7 R								1					1																	
	10	TR HUGHES BOULEVARD	99+66.7	57.8 L									1				1																	
TOTAL					15.49	6	3					1				1							1	1	1	1								

POST NUMBER	TYPE B & BL ARM LENGTH E	LEFT ARM E SIGNAL F	LEFT ARM E SIGNAL G	LEFT ARM E SIGNAL H	LEFT ARM E SIGNAL H'	LEFT ARM E SIGN F	LEFT ARM E SIGN G	LEFT ARM E SIGN H	LEFT ARM E SIGN H'	RIGHT ARM K SIGNAL L	RIGHT ARM K SIGNAL M	RIGHT ARM K SIGNAL N	RIGHT ARM K SIGNAL N'	RIGHT ARM K SIGN L	RIGHT ARM K SIGN M	RIGHT ARM K SIGN N	RIGHT ARM K SIGN N'	INCLUDED ANGLE	LUMINAIRE BRACKET ARM * (FEET) 4	6	8	10	12	15	CONTRACTOR FURNISHED SIGNS S12	S13	S3
1																											
2																								1	1	1	1
3																								1		1	
4																								1		1	
																								1	1	1	1
1																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
TOTAL																								2	4	2	

SIGNAL HEADS

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE 150W SODIUM	INDICATIONS ** 12" LENS CONVENTIONAL * R	Y	G	S	L	Rt	YL	YRt	W	DW	12" LENS OPTICAL LIMITING R	Y	G	S	L	Rt	YL	YRt	VISORS * 12" LENS STD 9.5	TUN 12	LOUVERS * A	B	C	D	E	F	BACKPLATE * LENSES 1	2	3	4	5	BRACKET * TYPE I	II	III	IV
	1	10	1	1	1	1		1		1													5									1			1	
	1	61		1	1	1																	3								1			1		
	1	62		1	1	1																	3								1			1		
	2	41	1	1	1	1																	3								1			1		
	2	42		1	1	1																	3								1			1		
	3	81	1	1	1	1																	3								1			1		
	3	82		1	1	1																	3								1			1		
	4	50	1	1	1	1		1		1													5									1			1	
	4	21		1	1	1																	3								1			1		
	4	22		1	1	1																	3								1			1		
	4	23		1	1	1																	3								1			1		
TOTAL			4																																		

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