POST / PULL BOX

LOCATION / BASE

POST NUMBER	PULL BOX NUMBER	APPROACH	STATION	OFFSET	BASE A 9	A 9.5	A 10	A 10.5	A 11	A 12	BASE F 9	F 9.5	F 10	F 10.5	F 11	F 12	C	CONCRETE** (CU. YDS.)
		CONTROLLER (AS REQ'D)																2.00
1		MEXICO ROAD	29+82	43.0' L												1		3.14
2		MEXICO ROAD	30+32	43.5' R													1	0.44
3		MEXICO ROAD	30+36	40.5' R										1				2.75
4		MEXICO ROAD	29+77	40.0' R							1							2.36
	1	MEXICO ROAD	29+84	54.0' L														
	2	MEXICO ROAD	30+40	42.0' L														
	3	MEXICO ROAD	30+40	41.5' R														
	4	MEXICO ROAD	29+82	42.5' R														
	5	MEXICO ROAD	29+43	58.5' L														
	6	MEXICO ROAD	U.I.P.	U.I.P.														
																	SUBTOTAL	10.69
																	TOTAL	10.70

PULL BOX / TOP MOUNT POST

POST NUMBER	PULL BOX NUMBER	PREFORMED CLASS 1	CLASS 2	CLASS 3	CLASS 5	CONCRETE STANDARD	DOUBLE, TYPE A	DOUBLE, TYPE B	DRAIN TYPE* I	II A	II B	II C	TOP MOUNT POST 8 FT.	15 FT.
2													1	
	1			1					1					
	2		1						1					
	3		1						1					
	4		1						1					
	5			1					1					
	6					U.I.P.			1					
SUBTOTAL			3	2									1	
TOTAL			3	2									1	

POST – TYPE C & CL

POST NUMBER	ARM LENGTH A	A	A	A	SIGNAL SPACING B	C	D	D'	SIGN SPACING B	C	D	D'
3	45				22.0	12.0	10.5		6	38.5		
4		25			14.5	10.0			4	20.5		
SUBTOTAL	1	1										
TOTAL	1	1										

POST – TYPE B & BL / LUMINAIRE BRACKET ARM*

POST NUMBER	ARM LENGTH E	K	E	K	E	K	LEFT ARM E SIGNAL SPACING F	G	H	H'	LEFT ARM E SIGN SPACING F	G	H	H'	RIGHT ARM K SIGNAL SPACING L	M	N	N'	RIGHT ARM K SIGN SPACING L	M	N	N'	INCLUDED ANGLE	LUMINAIRE 4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.
1	35	35					13.0	11.0	10.5		6	28.5			22.5	12.0			4.0	21.0			90°						2
3																													1
4																													1
SUBTOTAL	1	1																											4
TOTAL	1	1																											4

SIGNAL HEADS (ALL L.E.D.)

INDICATIONS* / VISORS*

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE (3)	12" LENS CONVENTIONAL R	Y	G	S	L	Rt	YL	YRt	(1) PED	12" LENS OPTICAL LIMITING R	Y	G	S	L	Rt	YL	YRt	VISORS* 12" LENS	PED.
	1	50	2	1	1	1		1		1											5	
		21		1	1	1															3	
		22		1	1	1															3	
		P2										1										1
		P3										1										1
		30		1	1	1		1		1											5	
		81		1	1	1															3	
	2	P1										1										1
		P8										1										1
	3	10	1	1	1	1		1		1											5	
		61		1	1	1															3	
		62		1	1	1															3	
		P6										1										1
		P7										1										1
	4	70	1	1	1	1		1		1											5	
		41		1	1	1															3	
		P4										1										1
		P5										1										1
TOTAL			4																			

LOUVERS* / BACKPLATE* / BRACKET* / ONE-FACE SECTION / TWO-FACE SECTIONS

FACE NUMBER	LOUVERS* A	B	C	D	E	F	BACKPLATE* LENSES 1	2	3	4	5	BRACKET* TYPE I	II	III	1– T	1– S	1– C	1– B	3– T	3– S	3– C	3– B	4– T	4– S	4– C	4– B	5– T	5– S	5– C	5– B	11– T	11– S	11– B	33– T	33– S	33– C	33– B	34– S	34– B	35– S	35– B	44– S	44– B	45– S	45– B
50											1			1																1															
21									1			1										1																							
22									1			1										1																							
P2												1				1																													
P3												1				1																													
30											1			1																1															
81									1			1										1																							
P1												1				1																													
P8												1				1																													
10											1			1																1															
61									1			1										1																							
62									1			1										1																							
P6												1				1																													
P7												1				1																													
70											1			1																1															
41									1			1										1																							
P4												1				1																													
P5												1				1																													
TOTAL OPTICALLY LIMITED																																													
TOTAL CONVENTIONAL																8						6								4															
TOTAL COMBINATION OL & CONV																																													

LEGEND
T – TOP MOUNT
S – SIDE MOUNT
C – SPANWIRE MOUNT
B – MAST ARM MOUNT

SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE (INCHES)	AREA (SQ. FT.)	TOTAL AREA EACH SIGN (SQ. FT.)
	R10–10L	24 X 30	5.0	
	R10–10R	24 X 30	5.0	
	R3–5L	30 X 36	7.5	
	R3–5R	30 X 36	7.5	
	R3–5S	30 X 36	7.5	
	R3–6L	30 X 36	7.5	
	R3–6R	30 X 36	7.5	
	R3–2	24 X 24	4.0	
	R3–1	24 X 24	4.0	
	R3–3	24 X 24	4.0	
	R10–11	24 X 30	5.0	
4	R10–12	24 X 30	5.0	20
(1)	STREET NAME	VAR X 18		
(1)	STREET NAME	VAR X 30		
3	R10–3EL	9 X 12	.75	2.25
5	R10–3ER	9 X 12	.75	3.75
	R10–13C	9 X 6	.38	
	R10–11A	24 X 30	5.0	
TOTAL AREA ITEM NO. 903–50.66				VARIES

(1) SEE SHEET TS7 FOR STREET NAME SIGN DETAILS.

SPAN WIRE POLES

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

SPAN WIRE CABLE SPANS

SPAN NUMBER	FROM POST	TO POST	SINGLE MESSENGER ASSEMBLY (LIN. FT.)	MESSENGER ASSEMBLY WITH TETHER (LIN. FT.)
		SUBTOTAL		
		TOTAL		

REMARKS

ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.
** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.
*** USE D3–16 FOR ONE LINE. USE D3–18 FOR TWO LINE.

(1) ALL PEDESTRIAN HEADS SHALL HAVE A "COUNTDOWN" DISPLAY WITH A WALKING–PERSON SYMBOL AND AN UPRAISED HAND SYMBOL. THE PEDESTRIAN PUSHBUTTONS SHALL BE POLARA BULLDOG (ADA COMPLIANT), AND SHALL BE MOUNTED 42" ABOVE THE PEDESTRIAN PATH.

(2) ALL NEW TRAFFIC SIGNAL POLES, RELATED HARDWARE, PEDESTRIAN PUSHBUTTON HOUSINGS, LUMINAIRES, BANDING AND SIGNAL HEAD BRACKETS SHALL BE POWDER COATED (VALMONT EBONY BLACK #334 OR APPROVED EQUAL). TRAFFIC SIGNAL CONTROLLER AND POWER SUPPLY SHALL NOT BE POWDER COATED.

(3) ALL LUMINAIRES SHALL BE LED LUMECON STREET LIGHTS.

MEXICO ROAD AND BRAMBLETT
ROAD/MEXICO LOOP ROAD EAST
INTERSECTION

D–37A

7/17/09
DATE PREPARED
ROUTE | STATE MO
DISTRICT | SHEET NO. TS2
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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