EFFECTIVE: 09/08/2009

POST NUMBER	PULL BOX NUMBER	LOCATION: APPROACH	LOCATION: STATION	LOCATION: OFFSET	BASE A: 9	BASE A: 9.5	BASE A: 10	BASE A: 10.5	BASE A: 11	BASE A: 12	BASE F: 9	BASE F: 9.5	BASE F: 10	BASE F: 10.5	BASE F: 11	BASE F: 12	BASE C	CONCRETE** (CU. YDS.)
			CONTROLLER	(AS REQ'D)														
SUBTOTAL																		
TOTAL																		

	PULL BOX: PREFORMED CLASS 1	PREFORMED CLASS 2	PREFORMED CLASS 3	PREFORMED CLASS 5	CONCRETE STANDARD	CONCRETE DOUBLE, TYPE A	CONCRETE DOUBLE, TYPE B	DRAIN TYPE* I	DRAIN TYPE* II A	DRAIN TYPE* II B	DRAIN TYPE* II C
SUBTOTAL											
TOTAL											

	POST: TOP MOUNT POST 8 FT.	TOP MOUNT POST 15 FT.	TYPE C & CL: ARM LENGTH A	A	A	A	SIGNAL SPACING B	C	D	D'	SIGN SPACING B	C	D	D'
SUBTOTAL														
TOTAL														

	TYPE B & BL: ARM LENGTH E	K	E	K	E	K	LEFT ARM E: SIGNAL SPACING F	G	H	H'	SIGN SPACING F	G	H	H'
SUBTOTAL														
TOTAL														

	RIGHT ARM K: SIGNAL SPACING L	M	N	N'	SIGN SPACING L	M	N	N'	INCLUDED ANGLE	LUMINAIRE BRACKET ARM* 4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.
SUBTOTAL															
TOTAL															

SIGNAL HEADS

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE 150W SODIUM	INDICATIONS * 12" LENS CONVENTIONAL: R	Y	YL	YR†	FYL	FYR	G	S	L	R†	(ped symbol)	12" LENS OPTICAL LIMITING: R	Y	YL	YR†	YL	YR†	G	S	L	R†	VISORS * 12" LENS	VISORS * PED.
SUBTOTAL																										
TOTAL																										

	LOUVERS * A	B	C	D	E	F	BACKPLATE* LENSES 1	2	3	4	5	BRACKET* TYPE I	II	III

	ONE-FACE SECTION 1- T	S	C	B	3- T	S	C	B	4- T	S	C	B	5- T	S	C	B
SUBTOTAL OPTICALLY LIMITED																
SUBTOTAL CONVENTIONAL																
SUBTOTAL COMBINATION OL & CONV																
TOTAL OPTICALLY LIMITED																
TOTAL CONVENTIONAL																
TOTAL COMBINATION OL & CONV																

	TWO-FACE SECTIONS 11- T	S	B	33- T	S	C	B	34- S	B	35- S	B	44- S	B	45- S	B
SUBTOTAL OPTICALLY LIMITED															
SUBTOTAL CONVENTIONAL															
SUBTOTAL COMBINATION OL & CONV															
TOTAL OPTICALLY LIMITED															
TOTAL CONVENTIONAL															
TOTAL COMBINATION OL & CONV															

SPAN WIRE POLES

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

SPAN WIRE CABLE SPANS

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

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	
	R10-5	24 X 30	5.0	
	R10-12	24 X 30	5.0	
	D3-16***	VAR. X 16		
	D3-18***	VAR. X 18		
	R10-3B	9 X 12	0.75	
	R10-11A	24 X 30	5.0	
	R10-13	60 X 30	12.5	
SUBTOTAL AREA ITEM NO. 903-50.66				
TOTAL AREA ITEM NO. 903-50.66				

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.

SIGNAL STRUCTURES WHICH WILL EXCEED THE DIMENSION LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY I FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT A SET OF SHOP DETAIL DRAWINGS INCLUDING WELD PROCEDURE SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MODOT RECORDS AND REFERENCE. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO ARCHITECTS AND PROFESSIONAL ENGINEERS (CHAPTER 327, RSMO.), AND SHALL INCLUDE A TITLE BLOCK OR SUMMARY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA.

INTERSECTION

LEGEND

T - TOP MOUNT
S - SIDE MOUNT
C - SPANWIRE MOUNT
B - MAST ARM MOUNT

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	
5/27/2010	
ROUTE	STATE MO
DISTRICT	SHEET NO.
COUNTY	
JOB NO.	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

D-37A