

POLE SELECTION TABLE - SINGLE ARM - WITH & WITHOUT LUMINAIRE				
Arm Length	A1	A2	A3	A4
Pole Type	P1 & P2 Lum	P2 & P22 Lum	P3 & P23 Lum	P4 & P24 Lum

POLE SELECTION TABLE - DOUBLE ARM - WITHOUT LUMINAIRE										
Arm Lengths *	A1 - A1	A2 - A1	A3 - A1	A4 - A1	A2 - A2	A3 - A2	A4 - A2	A3 - A3	A4 - A3	A4 - A4
Pole Type	P1	P2	P3	P5	P3	P4	P5	P5	P6	P7

\* Arm 1 is listed first

ARM DESIGN TABLE - ALL CASES											
ARM TYPE	ARM LENGTH	MAST ARM				ARM EXTENSION				ARM CONNECTION & WELDS	
		FA(ft)	FB(In)	FC(In)	FD(In)	FE(ft)	FF(In)	FG(In)	FH(In)	FM/SM(In)	FQ/SQ(In)
A1	36'-0"	36	7.5	12.5	0.793	0	0	0	0	0.25	0.313
A2	46'-0"	36	7.9	13	0.793	12	12.38	14	0.2391	0.88	0.438
A3	60'-0"	36	9.75	14.75	0.793	26	14.2	17.75	0.25	0.88	0.438
A4	70'-6"	39.5	9.25	14.88	0.793	33	14.25	18.75	0.313	0.313	0.438

Arm Camber Angle = 2 degrees.

POLE, CONNECTION AND SHAFT DESIGN TABLE - SINGLE & DOUBLE ARM																										
POLE TYPE	UA(ft)	UC(In)	UD(In)	UE(In)	UG(ft)	UPRIGHT BASE CONNECTION										CONNECTION PLATE DATA						DRILLED SHAFT DATA				
						No. Bolts	BA (In)	BB (In)	BC (In)	BD (In)	BE (In)	BF (In)	HT (In)	FJ/SJ (In)	FK/SK (In)	FL/SL (In)	FN/SN (In)	FO/SO (In)	FP/SP (In)	FR/SR (In)	FS/SS (In)	FT/ST (In)	DA(ft)	DB(ft)	RA	RB
P1	24	13.75	17	0.2391	-	6	29	2.25	1.5	0.313	0.88	36	17.5	22	1.5	0.375	0.25	13.00	0.75	1.25	7.25	0.313	13	4	9	19
P2	24	15.75	19	0.2391	-	6	33	2.375	1.75	0.25	0.88	36	23.5	26	2.25	0.438	0.313	15.25	1	1.625	9.75	0.313	13	4	9	19
P3	24	17.75	21	0.313	-	6	35	2.25	1.75	0.375	0.313	36	26	30	2.375	0.563	0.375	17.00	1.25	1.625	10.5	0.375	16	4	9	19
P4	24	19.75	23	0.313	-	8	37	2.375	1.75	0.375	0.313	36	30	32	2.5	0.563	0.438	18.25	1.25	1.75	12.5	0.438	19	4	9	19
P5	24	20.75	24	0.313	-	8	38	2.25	1.75	0.375	0.313	36	30	33	2.75	0.563	0.438	18.75	1.25	1.75	12.5	0.438	17	4.5	9	23
P6	24	21.75	25	0.313	-	8	39	2.25	1.75	0.375	0.313	36	30	34	2.375	0.625	0.375	19.25	1.25	1.75	12.5	0.375	18	4.5	9	23
P7	24	23.75	27	0.313	-	8	41	2.25	1.75	0.375	0.313	36	30	36	2.5	0.625	0.375	20.75	1.25	1.75	12.5	0.375	19	4.5	9	23
P21 Lum	39	11.625	17	0.2391	37.5	6	29	2.25	1.5	0.313	0.88	36	17.5	22	1.5	0.375	0.25	13.00	0.75	1.25	7.25	0.313	13	4	9	19
P22 Lum	39	13.625	19	0.2391	37.5	6	33	2.375	1.75	0.25	0.88	36	23.5	26	2.25	0.438	0.313	15.25	1	1.625	9.75	0.313	13	4	9	19
P23 Lum	39	15.625	21	0.313	37.5	6	35	2.25	1.75	0.375	0.375	36	26	30	2.375	0.563	0.375	17.00	1.25	1.625	10.5	0.375	16	4	9	19
P24 Lum	39	17.625	23	0.313	37.5	8	37	2.375	1.75	0.375	0.313	36	30	32	2.5	0.563	0.438	18.25	1.25	1.75	12.5	0.438	19	4	9	19

LUMINAIRE AND LUMINAIRE CONNECTION										
LA(ft)	LB(ft)	LC(In)	LD(In)	LE	LF(ft)	LG(In)	LH(In)	LJ(In)	LK(In)	UG(ft)
40.0	10.0	3.0	0.25	0.50	8.0	0.375	0.625	0.250	0.88	37.5

GENERAL NOTE

1. Work this Index with Index No. 17744.

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
<b>COMPONENT DATA FOR STANDARD MAST ARM ASSEMBLIES</b>		
INTERIM STANDARD	APPROVED BY	<i>[Signature]</i> State Structures Design Engineer
WHEN INCLUDED IN THE PLANS THIS SHEET IS A SUPPLEMENT TO THE ROADWAY AND TRAFFIC DESIGN STANDARDS, BOOKLET DATED JANUARY 2000.	REVISION NO.	SHEET NO.
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