FINANCIAL PROJECT ID	STATE PROJ. NO.	SHEET NO.

POLE SELECTION TABLE - SINGLE ARM - WITH & WITHOUT LUMINAIRE

Arm Length	A1	A2	A3	A4
Pole Type	P1 & P21 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	0.1793	0	0	0	0	0.125	0.313
A2	46'-0"	36	7.9	13	0.1793	12	12.38	14	0.2391	0.188	0.438
A3	60'-0"	36	9.75	14.75	0.1793	26	14.12	17.75	0.25	0.188	0.438
A4	70'-6"	39.5	9.25	14.88	0.1793	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	0.188	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	2.25	1.75	0.313	0.188	36	23.5	26	2.125	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	1.125	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	2.125	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	2.125	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	2.125	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	0.188	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	2.25	1.75	0.313	0.188	36	23.5	26	2.125	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	0.313	36	26	30	2.375	0.563	0.375	17.00	1.125	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	0.125	0.50	8.0	0.375	0.625	0.250	0.188	37.5

THE SEALED RECORD OF THIS STANDARD IS ON FILE IN THE ROADWAY DESIGN OFFICE.

INTERIM STANDARD IN ENGLISH UNITS APPLICABLE TO ROADWAY AND TRAFFIC DESIGN STANDARD BOOKLETS PUBLISHED IN EITHER ENGLISH OR METRIC UNITS.

GENERAL NOTE

1. Work this index with index No. 17744.

Revised: 7-10-01

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

COMPONENT DATA FOR STANDARD MAST ARM ASSEMBLIES

INTERIM STANDARD

THIS INDEX IS A SUPPLEMENT TO THE ROADWAY AND TRAFFIC DESIGN STANDARDS, BOOKLETS DATED JANUARY 2000.

APPROVED BY

State Structures Design Engineer

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