POLE DATA SCHEDULE

POLE HEIGHT (E.M.H.)	POLE SHAFT (INCHES)						ALTERNATE POLE SHAFT DESIGN	BASE PLATE			ANCHOR BOLT		
	SEC.	BASE DIAMETER	TOP DIAMETER	WALL THK.	SECTION LENGTH	MIN. SLIP REQUIRED	MAXIMUM NUMBER OF SECTIONS	LG x NO. OR SQUARE	BOLT CIRCLE	THICKNESS	NUMBER REQUIRED	DIAMETER	LENGTH
100'-0	A	20.875	14.62	0.25	48.00		3	36" x 33"	31.5"	2"	6	2.25"	90"
	B	15.4	8.25	0.188	55.00	22.52							
	C												
	D												
105'-0	A	21.85	14.95	0.25	53.00		3	36" x 33"	31.5"	2"	6	2.25"	90"
	B	15.73	8.57	0.188	55.00	23.03							
	C												
	D												
110'-0	A	21.675	19.88	0.281	13.80		3	36" x 33"	31.5"	2"	6	2.25"	90"
	B	20.87	14.62	0.25	48.00	30.56							
	C	15.4	8.25	0.188	55.00	22.54							
	D												
115'-0	A	22.325	19.69	0.281	20.3		4	36" x 33"	31.5"	2"	6	2.25"	90"
	B	20.67	14.69	0.25	46.5	30.26							
	C	15.4	8.25	0.188	55.0	22.54							
	D												
120'-0	A	23.56	20.13	0.281	26.4		4	36" x 33"	31.5"	2"	6	2.25"	90"
	B	21.12	15.21	0.25	45.5	30.93							
	C	15.99	8.84	0.188	55.0	23.42							
	D												
125'-0	A	23.56	20.59	0.313	22.86		4	36" x 33"	31.5"	2"	6	2.25"	90"
	B	21.65	14.5	0.281	55.0	31.63							
	C	15.27	8.25	0.188	54.0	22.34							
	D												
130'-0	A	24.21	20.59	0.13	27.87		4	36" x 33"	31.5"	2"	6	2.25"	90"
	B	21.65	14.5	0.281	55.0	31.63							
	C	15.27	8.25	0.188	54.0	22.34							
	D												
135'-0	A	24.86	20.53	0.313	33.1		4	36" x 33"	31.5"	2"	6	2.25"	90"
	B	21.59	14.43	0.281	55.0	31.54							
	C	15.21	8.25	0.188	53.5	22.24							
	D												
140'-0	A	25.51	20.09	0.344	41.71		4	36" x 33"	31.5"	2"	6	2.25"	90"
	B	21.14	13.99	0.281	55.0	30.87							
	C	14.75	8.25	0.188	50.0	21.56							
	D												
145'-0	A	26.16	20.09	0.344	47.16		4	36" x 36"	33.5	2"	8	2.25"	90"
	B	21.08	13.99	0.281	55.0	30.78							
	C	14.69	8.25	0.188	49.5	21.47							
	D												
150'-0	A	26.81	20.03	0.344	52.7		4	36" x 36"	33.5"	2"	8	2.25"	90"
	B	21.08	13.93	0.281	55.0	30.67							
	C	14.62	8.25	0.188	49.0	21.37							
	D												
155'-0	A	26.84	21.75	0.375	39.17		4	36" x 36"	33.5"	2"	8	2.25"	90"
	B	22.89	19.77	0.313	23.98	33.4							
	C	20.82	13.73	0.281	54.5	30.39							
	D	14.49	8.25	0.188	48.0	21.17							
160'-0	A	27.5	21.13	0.375	49.0		4	36" x 36"	33.5"	2"	8	2.25"	90"
	B	22.26	19.47	0.313	21.5	32.45							
	C	20.51	13.36	0.281	55.0	29.92							
	D	14.11	8.26	0.188	45.0	20.60							

GENERAL NOTES

1. High Mast pole shall meet the design requirements shown on the pole data schedule.
2. If alternative pole shaft design is chosen, the pole shaft dimensions, thickness and maximum deflection calculations shall be submitted for review and approval. The base plate thickness, anchor bolt number, diameter and length shall remain the same as shown.

INDIANA DEPARTMENT OF TRANSPORTATION

HIGH MAST POLES

MARCH 2003

STANDARD DRAWING NO. E 807-LTPD-01

RICHARD L. VanCLEAVE REGISTERED No. 9750 STATE OF INDIANA PROFESSIONAL ENGINEER

DESIGN STANDARDS ENGINEER

/s/ Richard L. VanCleave 3-03-03
DESIGN STANDARDS ENGINEER DATE

/s/ Richard K. Smutzer 3-03-03
CHIEF HIGHWAY ENGINEER DATE