



KEYNOTES:

1. (2) #4 TIES IN TOP 6" AND AT 9" O.C. (Fy = 60 KSI)
2. (9) #6 VERTS DISTRIBUTED EVENLY AROUND PERIMETER. (Fy = 60 KSI)
3. LIGHT POLE AND ANCHORAGE BY OTHERS
4. 4500 PSI MIN CONCRETE CAISSON

NOTES:

- A. LUMINAIRE EFFECTIVE PROJECTED AREA (E.P.A) = 1.9 FT²
 - B. ALL LOADS DETERMINED USING AASHTO STD SPECS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS (2009 ED. W/ 2011 INTERIM REVISIONS)
 - C. ALL POLE BANNER AREAS HAVE BEEN OMITTED FROM THE ANALYSIS.
- FOR THE ATTACHMENT OF THE BANNER TO THE POLE.

LIGHT POLE CAISSON DEPTH (AASHTO METHOD)						
AMERON LIGHT POLE	BASE SHEAR (KIPS)	BASE MOMENT (K-FT)	SOIL TYPE			
			SAND/GRAVEL Φ _{MIN} = 30° γ = 110 PCF	STIFF CLAY (COHESION, C = 1.0 KSF)	MEDIUM CLAY (COHESION, C = 0.600 KSF)	SOFT CLAY (COHESION, C = 0.250 KSF)
6B1-21 DUAL 10' ARM	0.67	11.06	4'-8"	6'-6"	7'-4"	9'-6"
6B1-26 SINGLE 12' MAX ARM	0.72	13.23	5'-0"	6'-9"	7'-8"	10'-0"
6B1-26 DUAL 12' MAX ARM	0.88	18.30	5'-6"	7'-3"	8'-4"	11'-0"

NOTES:

- A. TABLE VALUES REFLECT A 3.0 FACTOR OF SAFETY USED IN THE BROHM'S DRILLED SHAFT DESIGN EQUATIONS.
- B. SOIL TYPE SHALL BE DETERMINED BY TAKING UNDISTURBED SAMPLES. PROJECT ENGINEER SHALL DETERMINE NUMBER OF REQUIRED SAMPLES.

LIGHT POLE CAISSON DETAIL

NTS

DEPARTMENT OF PUBLIC WORKS



STANDARD DETAIL

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DRAWN BY: LJPC

SHEET: 1 OF 1

PROWAG AND
DOWNTOWN PROJECTS

LIGHT POLE CAISSON
DETAIL