

CHANCE

Civil Construction

A.B. CHANCE | A DIVISION OF HUBBELL POWER SYSTEMS

POLE LOAD DETERMINATION DATA SHEET

Based on 2001 AASHTO Specifications

Circle Appropriate Units of Measure

Your Name: _____ Phone: _____ Date: _____

Job Name: _____ Town,St: _____

- 1 Luminaire Mounting Height -----: _____ (m or ft)
 - 2 Height of Pole -----: _____ (m or ft)
 - 3 Outside Diameter of Pole Top -----: _____ (cm or in)
 - 4 Outside Diameter of Pole Bottom -----: _____ (cm or in)
 - 5 Arm Length -----: _____ (m or ft)
 - 6 Arm Tip Outside Diameter -----: _____ (cm or in)
 - 7 Arm Bottom outside Diameter -----: _____ (cm or in)
 - 8 Luminaire Weight -----: _____ (kg or lb)
 - 9 Luminaire EPA (projected area x Cd) -----: _____ (sq m or sq ft)
 - 10 Basic Wind Speed -----: _____ (km/hr or mph)
 - 11 Minimum Design Life (Circle choice) -----: 10 25 50 (yrs)
- Design life default is 25 yrs, see Table 3-3 AASHTO Spec 4th Edition, 2001, below.
- 12 Number of Arms -----: _____
 - 13 Number of Luminaires -----: _____
 - 14 Pole Shape (Enter choice from list below) -----: _____
 - 15 Arm Shape (Enter choice from list below) -----: _____
 - 16 Is this Pole in Alaska? -----: _____ (yes or no)

- 1 = Cylinder 3 = Hexdecagonal (16 sides) 5 = Octagonal (8 sides)
 2 = Flat 4 = Dodecagonal (12 sides) 6 = Square (4 sides) 7 = Diamond

- 16 Anchor Bolt Diameter -----: _____ (cm or in)
- 17 Bolt Circle Diameter -----: _____ (cm or in)
- 18 Soil Conditions---: _____

Please provide any soil data available.

Table 3-3. Recommended Minimum Design Life	
Reproduced from AASHTO Specification, 4th Edition, 2001	
<u>Design Life</u>	<u>Structure Type</u>
50 years	-Luminaire support structures exceeding 15m (49.2 ft.) in height -Overhead sign structures
25 years	-Luminaire support structures less than 15m (49.2 ft.) in height -Traffic signal structures
10 years	-Roadside sign structures

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