



Need by: _____

Pole Load Determination Data Sheet

Contact Name: _____ Phone: _____ Date: _____

Job Name: _____ Job Location: _____

***Select Appropriate Unit of Measure**

1. Luminaire Mounting Height: _____ m ft
2. Height of Pole: _____ m ft
3. Outside Diameter of Pole Top: _____ cm in
4. Outside Diameter of Pole Bottom: _____ cm in
5. Arm Length: _____ m ft
6. Arm Tip Outside Diameter: _____ cm in
7. Arm Bottom outside Diameter: _____ cm in
8. Luminaire Weight: _____ kg lb
9. Luminaire EPA (Projected Area x C_d): _____ m² ft²
10. Basic Wind Speed: _____ kph mph
11. Minimum Design Life (Select Choice): 10 25 50
Design life default is 25 years. See Table 3-3, below
12. Number of Arms: _____
13. Number of Luminaires: _____
14. Pole Shape (Select choice from list below)

<input type="checkbox"/> Cylinder	<input type="checkbox"/> Hecdecagonal (16 Sides)	<input type="checkbox"/> Octagonal (8 Sides)
<input type="checkbox"/> Flat	<input type="checkbox"/> Dodecagonal (12 Sides)	<input type="checkbox"/> Square (4 Side) <input type="checkbox"/> Diamond
15. Arm Shape (Select choice from list below)

<input type="checkbox"/> Cylinder	<input type="checkbox"/> Hecdecagonal (16 Sides)	<input type="checkbox"/> Octagonal (8 Sides)
<input type="checkbox"/> Flat	<input type="checkbox"/> Dodecagonal (12 Sides)	<input type="checkbox"/> Square (4 Side) <input type="checkbox"/> Diamond
16. Anchor Bolt Diameter: _____ cm in
17. Number of Bolts (in base plate): _____
18. Bolt Circle Diameter: _____ cm in
19. Special Cableway Requirements: _____
20. Site Soil Conditions (if available): _____
21. CHANCE Precast Concrete Collar: No Yes - height: 12" H 24" H Other: _____
22. Solar Panel/Banner: Qty _____ Dimension ____"H x ____"W Distance from ground? _____
Location on Pole (one side or both) _____

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