Pole Load Determination Data Sheet

Needed by: _____

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): _____ ☐ m^2 ☐ ft^2
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)
    ☐ Cylinder ☐ Hecdecagonal (16 Sides) ☐ Octagonal (8 Sides)
    ☐ Flat ☐ Dodecagonal (12 Sides) ☐ Square (4 Side) ☐ Diamond
15. Arm Shape (Select choice from list below)
    ☐ Cylinder ☐ Hecdecagonal (16 Sides) ☐ Octagonal (8 Sides)
    ☐ Flat ☐ Dodecagonal (12 Sides) ☐ Square (4 Side) ☐ 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 (indicate UOM)
    Distance from ground? _____ (indicate UOM)
    Location on Pole (one side or both):
    _____

Send additional pages or drawings as needed. Email to CivilConstruction@hubbell.com

Table 3-3. Recommended Minimum Design Life
Reproduced from AASHTO Specification, 4th Edition, 2001

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