



To ensure correct alignment, the portion of the anchor bolt assembly to be embedded in the foundation shall be securely braced against distortion. A steel template, minimum 3/8 inch thick, shall also be provided for the portion of the anchor bolt assembly above the foundation. No welding is allowed to attach the bracing and the template to the anchor bolt assembly.

Contract Item:
Lighting Tower

- ① Minimum number of six (6) anchor bolts equally spaced shall be used for all poles.
- ② Tower may be fabricated with circular or polygonal cross-section.
- ③ Wire fabric material to comply with Materials I.M. 443.01: Rodent Guard, Expanded Metal. Wire fabric shall be placed around anchor bolt circle between concrete footing and base plate. The fabric shall fit tight to the bottom surface of the base plate and the top surface of the footing to prevent rodent entry.
- ④ Provide vent holes in doubler plate as needed for galvanizing. Holes shall be filled with caulk after galvanizing.
- ⑤ Provide two handles on cover plate. Cover plate shall project beyond the hole at least 1 inch in all directions.
- ⑥ All anchor bolt material shall comply with the requirement of Iowa DOT Materials I.M. 453.08.

STANDARD ROAD PLAN RM-44	
REVISION: Add doubler and cover plates; remove notes covered in the Specifications Book.	REVISION NO. 3
<i>William J. Allen</i> APPROVED BY DESIGN METHODS ENGINEER	REVISION DATE 10-18-05

LIGHTING TOWER