



Diameter of footing is determined by the Anchor Bolt Circle required for the diameter of the pole being installed. Where dimensional requirements indicated cannot be met with normal footings, it shall be enlarged as necessary to accommodate the required diameter at the Contractor's expense.

- R-1 Radius of the outside of the footing shall be 1'-1 1/2" minimum unless anchor bolt circle requires a larger radius.
- R-2 Radius of the reinforcing hoop shall be a maximum of 2" less than R-1 and a minimum of 1" greater than R-3.
- R-3 Radius of the anchor bolt circle

A rodent guard shall be placed between the concrete footing and the anchor plate, see Materials IM 443.01  
 All excavations shall be disposed in the area adjacent to the footing and shaped to the natural ground contour unless otherwise directed by the Engineer.

Open ends of conduit shall be appropriately capped during construction to prevent infiltration of foreign material. After the cable is installed, the upper end of the ducts shall be sealed against entry of moisture by a method approved by the Engineer.

No Welding of the anchor bolts is permitted. The contractor shall obtain a template from the light pole manufacturer for placement of anchor bolts.

- ① Horizontal reinforcing hoops shall be #4 bars lapped a minimum of 1'-0" as indicated. Hoops may be welded to vertical bars.
- ② Either type of bolt shown may be used at the option of the Contractor.
- ③ This bar is to be a #7 when the mounting height is greater than 44'.
- ④ 2" Nominal Outside Diameter.
- ⑤ For details of Slip-Base see Standard Road Plan RM-46.

HARDWARE CLASSIFICATION				
Bolt Size	Bolt Grade	Nuts	Washers	Galvanizing
1" Anchor Bolts Zinc Coated	ASTM F-1554 Grade 105 Zinc Coated	ASTM A-563-DH Zinc Coated	ASTM F-436 Zinc Coated	ASTM A-153 Class C

 Iowa Department of Transportation	REVISION
	4 04-17-07
<b>STANDARD ROAD PLAN</b>	<b>RM-47</b>
SHEET 1 of 1	
REVISIONS: Added note to disallow welding on the anchors and requiring a template per specs. Renamed standard.	
<i>Deanna Mayfield</i> APPROVED BY DESIGN METHODS ENGINEER	

**FOOTING FOR SLIP-BASE LIGHT POLES**