**STANDARD 877012-07**

**STEEL COMB. MAST ARM ASSEMBLY AND POLE**

56' THROUGH 75'

**GENERAL NOTES**

1. Signal heads, sign panels, and other attachments are shown for minimum design loading purposes only.
2. Each signal head shall weigh 80 lb (36 kg) and have a projected area of 14.7 sq. ft. (1.37 sq. m).
3. See Standard 720016 for location of sign panel or blankout sign closest to pole.
4. See standard 821001 for luminaire wiring diagram.
5. All dimensions are in inches (millimeters) unless otherwise shown.

**DATE**

1-1-18

**REVISIONS**

1-1-19

- Replaced rod hooks with nuts.
- Rev. luminaire arm info.
- Rev. second luminair info.
- Gen. Notes for sign location.

**Steel Comb. Mast Arm**

**Anchor Rod Circle**

4 bolts (100x200) Handhole with frame and cover

Ground lug opposite handhole

Distance from top of pole base to bottom of hand hole shall match the inside diameter of the pole at the midpoint of the hand hole.

**Anchor Rod Size**

<table>
<thead>
<tr>
<th>Mast Arm Length</th>
<th>Anchor Rod Circle</th>
<th>Anchor Rod Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>56 thru 64'</td>
<td>24 (66)</td>
<td>1/2 x 7</td>
</tr>
<tr>
<td>(17.07 m thru 19.51 m)</td>
<td></td>
<td>(64 x 2.10 m)</td>
</tr>
<tr>
<td>65 thru 78'</td>
<td>22 (685)</td>
<td>3 x 7-1/2</td>
</tr>
<tr>
<td>(19.81 m thru 22.86 m)</td>
<td></td>
<td>(53 x 2.29 m)</td>
</tr>
</tbody>
</table>

** mast arm length as specified on the plans**

- Texas type arm required for luminaire mast arm up to 15° (4.6 m).
- Tapered one-piece arm required for arms longer than 15' (4.6 m).
- One-piece shown. See plans for length to be provided.

- This signal head only for arms 65' (19.8 m) and longer.

- This signal head only for oncoming traffic located opposite of opposite handhole.

- Distance from top of pole base to bottom of hand hole shall match the inside diameter of the pole at the midpoint of the hand hole.