Mast arm length as specified on the plans

This signal head only for arms 36' 110.97 m and longer.

20 sq. ft. (1.86 sq. m) max. sign panel or blankout sign 100 lb (45 kg) max.

4x8 (100x200) Handhole
with frame and cover
located opposite of
oncoming traffic

Thread bottom of
anchor rod 2 (50)
and provide matching
hex head nut fully
seated, typ.

GENERAL NOTES

Signal heads, sign panels, and other attachments are shown for minimum design loading purposes only. Each signal head shall weigh 80 lb (36 kg) and have a projected area of 14.7 sq. ft. (1.37 sq. m).

All dimensions are in inches (millimeters) unless otherwise shown.

**STEEL MAST ARM ASSEMBLY AND POLE
16' THROUGH 55'**

### MAST ARM LENGTH

<table>
<thead>
<tr>
<th>MAST ARM LENGTH</th>
<th>ANCHOR ROD CIRCLE</th>
<th>ANCHOR ROD SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 thru 40 (4.87 m thru 12.20 m)</td>
<td>18 (460)</td>
<td>1/4 x 7 (44 x 2.10 m)</td>
</tr>
<tr>
<td>42 thru 55 (12.80 m thru 16.80 m)</td>
<td>21 (535)</td>
<td>1/4 x 7 (44 x 2.10 m)</td>
</tr>
</tbody>
</table>

**DATE**

- **1-1-20** Revised mast arm length
- **1-1-18** Revised GEN. NOTES for sign location. Replaced rest hooks with nuts.
- **1-1-15** Revised rod hooks

**APPROVED**

January 1, 2020

**PASSED**

January 1, 2020

**ENGINEER OF DESIGN AND ENVIRONMENT**

**ISSUED**

1-1-02

**ENGINEER OF OPERATIONS**

**DATE**

1-1-02

**REVISIONS**

- **1-1-18 Revised table for LRFD reqs.**

**STANDARD 877001-08**

**Illinois Department of Transportation**

January 1, 2020