TRUSS CONNECTION DETAILS
Bolted connections shown similar to bolted connections shown, number of bolts by design.

WELDED CONNECTION SHOWN

TYPICAL SIGN CONNECTION
See sign plate manual page 14a & 14b for details.

SECTION THRU TRUSS
For sign connection.
Aluminum I-5x3.7 I-beams are to be supplied with the sign panel. Hardware to be supplied by contractor.

SECTION THRU TRUSS
For sign connection.

DMS MOUNTING POST SPACING DETAIL
Post spacing may be adjusted as required to clear any obstructions.

DMS MOUNTING POST SPACING DETAIL

3-D VIEW DMS CONNECTION

DMS WELDED PLATE CONNECTION DETAILS

TYPICAL DMS CONNECTION

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ANCHOR ROD ASSEMBLY DETAILS
8 ANCHOR RODS REQ'D PER ASSEMBLY

ANCHOR PLATE/TOP TEMPLATE

ANCHOR PLATE DATA

NOTES
- Ensure anchor rod assembly and make sure it is plumb and centered above drilled shafts. After casting, anchor rod assembly shall be rigidly secured in position during and after concrete placement. Do not weld the anchor rods.
- Remove after concrete set. Template, 1/4" thick, should be used for top anchor rod. A 3/4" diameter concrete plug should be used to seal each end with a suitable material.
- Place conduits under column adjacent to anchor rod assemblies and extend as shown. Do not extend any conduits beyond 2'-6" from the column centerline on opposite side.

PLAN
SECTION B-B
SECTION A-A
ELEVATION

LEGEND

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
4-CORD TRUSS
CANT, FOUNDATION
DETAILS 1
UPDATED: MARCH 2021
STATE PROJECT NO.
SHEET NO.
BY DRAWN
REVISION
BY CK'D.
PLANS
SCALE = 8
8 ANCHOR ROD DEPTH, DEPTH AND THREADS OF ANCHOR ROD TIPS ARE SHOWN. NUTS AND WASHERS ARE INCLUDED WITH ANCHOR ROD ASSEMBLY.

ANCHOR PLATE/TOP TEMPLATE

ANCHOR PLATE DATA

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PLAN
SECTION B-B
SECTION A-A
ELEVATION

LEGEND

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### Bill of Bars - Standard Design Type I or II

<table>
<thead>
<tr>
<th>BAR MARK</th>
<th>#</th>
<th>LOCATION</th>
<th>( \text{IN} \times \text{IN} )</th>
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</thead>
<tbody>
<tr>
<td>A406</td>
<td>8</td>
<td>DRILLED SMITH - VERTICAL</td>
<td>4'-7&quot; x 4'-7&quot;</td>
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<tr>
<td>A407</td>
<td>8</td>
<td>DRILLED SMITH - HORIZONTAL</td>
<td>3'-11&quot; x 3'-11&quot;</td>
</tr>
<tr>
<td>A408</td>
<td>8</td>
<td>CAP - VERTICAL - TOP &amp; Sides</td>
<td>3'-5&quot; x 3'-5&quot;</td>
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<tr>
<td>A409</td>
<td>8</td>
<td>CAP - VERTICAL - EACH END</td>
<td>3'-3&quot; x 3'-3&quot;</td>
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</tbody>
</table>

### Estimated Quantities - Foundation

<table>
<thead>
<tr>
<th>STANDARD</th>
<th>CONCRETE</th>
<th>STEEL</th>
<th>ANCHOR</th>
<th>FOUNDATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE</td>
<td>(LBS)</td>
<td>TYPE</td>
<td>(LBS)</td>
<td>TYPE</td>
</tr>
<tr>
<td>STD</td>
<td>1,570</td>
<td>HS</td>
<td>1</td>
<td>HS</td>
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</table>

**Note:**

The dimensions are out to out of bars. The first or first two digits of a bar mark signifies the bar size.

**Standard Structure Dimensions:**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>DESIGN</th>
<th>STANDARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>STD</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Bar Bending Diagrams**

**Note:**

The dimensions are out to out of bars. The first or first two digits of a bar mark signifies the bar size.