© STUB (SEE DETAIL SHEET 2) & FOUNDATION

REMOVE ALL GALVANIZING RUNS OR BEADS IN WASHER AREA

STIFFENER PLATE (SEE DETAIL SHEET 2)

STUB PROJECTION (SEE FOUNDATION TABLE)

1 1/2" BEVEL

3" COVER

3/8" PLAIN SPIRAL @ 6" PITCH WITH 3 FLAT TURNS
TOP & 1 FLAT TURN BOTTOM
OR CIRCULAR TIES #3 BARS
AT 9" SPACING (12" MIN LAP)

DIRECTION OF TRAFFIC

ELEVATION
(W8 X 13, W8 X 18)

SECTION A - A

FOUNDATION TABLE

<table>
<thead>
<tr>
<th>COLUMN SIZE</th>
<th>STUB LENGTH</th>
<th>STUB PROJECTION</th>
<th>BAR SIZES (AW)</th>
<th>STUB WT. (lbs.)</th>
<th>RE-STEEL WT. (lbs.)</th>
<th>CONCRETE (cu. yd.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>W8 X 13</td>
<td>30&quot;</td>
<td>3&quot;</td>
<td>6</td>
<td>38.8</td>
<td>90.2</td>
<td>0.81</td>
</tr>
<tr>
<td>W8 X 18</td>
<td>30&quot;</td>
<td>3&quot;</td>
<td>7</td>
<td>51.3</td>
<td>136.0</td>
<td>0.93</td>
</tr>
</tbody>
</table>

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

FOUNDATION (BREAK-AWAY)
NOT TO SCALE

STIFFENER PLATE DETAIL

PLATE SHOWN IN STUB DETAIL IS FOR INSTALLATION ON RIGHT SHOULDER OR IN CORE AREA. PLATE SLOT BEVELS ARE OPPOSITE HAND FROM THAT SHOWN FOR INSTALLATION ON LEFT SHOULDER.

NOTES:

1. TOP OF FOUNDATION SHALL BE FLUSH WITH GROUND ON FLAT SLOPES. EDGE OF FOUNDATION NEAREST ROADWAY SHALL BE FLUSH WITH GROUND ON FILL SLOPES. EDGE OF FOUNDATION FARDEST FROM ROADWAY SHALL BE FLUSH WITH GROUND ON CUT SLOPES.

2. BOLTS FOR CONNECTION OF COLUMN TO STUB ARE TO BE FURNISHED WITH COLUMN (SEE SIGN-220-SERIES-Eng).

3. CONCRETE SHALL BE USED AND PLACED AGAINST UNDISTURBED SOIL IN AN AUGERED HOLE. THE STEEL STUB SHALL BE HELD IN CORRECT POSITION WITH A TEMPLATE UNTIL THE CONCRETE HAS PROPERLY SET.

4. DEFORMED BARS, SPIRALS AND CONCRETE PER MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION.

NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN

08/17/05 03/01/05 SIGN-230-A SHEET 2 OF 2

NOTE: THE ORIGINAL SIGNED COPY IS KEPT ON FILE AT THE MICHIGAN DEPARTMENT OF TRANSPORTATION.