TAPERED END SECTION REINFORCING DETAILS

SECTION A-A
SECTION B-B
SECTION C-C
SECTION D-D
SECTION E-E
SECTION F-F
SECTION G-G
SECTION H-H

TRANSITION SECTIONS

LOWER JOINT CONNECTION
UPPER JOINT CONNECTION

ELEVATION

END VIEW
OPTIONAL BATTERED BOTTOM CORNER DETAIL

JOINT CONNECTION TUBE

NOTE:
1. TEMPORARY CONCRETE BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS PRECEDING CONCRETE BARRIERS.
2. STEEL PLATE SHALL BE ASTM A36 GRADE 345, TUBE STEEL SHALL BE ASTM A500 GRADE B OR C, AND REINFORCEMENT STEEL SHALL BE A615 GRADE 420.
3. ALL WELDING SHALL BE PERFORMED BY A QUALIFIED WELDER IN ACCORDANCE WITH ARTICLE 8 OF THE NYS STEEL CONSTRUCTION MANUAL.
4. SURFACES TO BE WELDED SHALL BE FREE OF SLAG, RUST, MOISTURE, GREASE OR ANY OTHER MATERIAL THAT WILL PREVENT PROPER WELDING OR PRODUCE OBJECTIONABLE FUMES.
5. WELDING ELECTRODES CONFORMING TO THE REQUIREMENTS OF ARTICLE 6 OF THE NYS STEEL CONSTRUCTION MANUAL.
6. CONCRETE CLEAR COVERS FOR REINFORCING BARS SHALL BE 5" MINIMUM EXCEPT WHERE OTHERWISE SPECIFIED.
7. A MINIMUM OF (2) TWO RECESSED LIFTING DEVICES WITH THE CAPACITY TO LIFT A MASS OF 5 TONS MINIMUM SHALL BE INSTALLED IN EACH SEGMENT.
8. "NEW CONCRETE WELDING PINS SHALL BE PLACED IN FOUR RECESSES OF EACH SEGMENT TO BE PINNED.
9. CONNECTION KEY COVER PLATE SHALL BE INSTALLED FLUSH WITH THE BARRIER TOP.
10. THE DETAILS SHOWN FOR THE JOINTS ON THIS SHEET ARE FOR APPROACH ENDS WHERE NO JOINTS ARE TO BE INSTALLED. OR ELSE OF THE TRANSITION TO A 6" END SECTION TO BE INSTALLED.
11. END VIEW SHALL BE CONSTRUCTED SO THAT IT IS OPPOSITE-HAND (REVERSED IN ALL DIRECTIONS) AN APPROACH END IS TO BE LOCATED TO THE RIGHT OF THE TRAFFIC FLOW, THE END SEGMENT SHALL HAVE A SMOOTH TRANSITION TO A 6" END SECTION, ALL END SEGMENTS SHALL BE PINNED UNLESS OTHERWISE SPECIFIED.

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
U.S. CUSTOMARY STANDARD SHEET
TEMPORARY CONCRETE BARRIER
(SHEET 2 OF 3)

ELEVATION

TAPERED END SECTION BAR LIST

<table>
<thead>
<tr>
<th>MARK</th>
<th>NUMBER</th>
<th>SECTION LENGTH</th>
<th>TYPE A</th>
<th>B</th>
<th>C</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>4B1</td>
<td>1</td>
<td>2'</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
<td>TRANSIENT</td>
</tr>
<tr>
<td>4B2</td>
<td>1</td>
<td>2'</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
<td>TRANSIENT</td>
</tr>
<tr>
<td>4B3</td>
<td>1</td>
<td>2'</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
<td>TRANSIENT</td>
</tr>
<tr>
<td>4B4</td>
<td>1</td>
<td>2'</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
<td>TRANSIENT</td>
</tr>
<tr>
<td>4B5</td>
<td>1</td>
<td>2'</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
<td>TRANSIENT</td>
</tr>
<tr>
<td>4B6</td>
<td>1</td>
<td>2'</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
<td>TRANSIENT</td>
</tr>
</tbody>
</table>

SECTIONS SHALL BE PINNED UNLESS OTHERWISE NOTED.

OPTIONAL BATTERED BOTTOM CONFIGURATIONS, ANCHOR HOLE LOCATIONS AND REINFORCEMENT.)

CORNER DETAIL

WELDING SHALL BE SHIELDED METAL ARC WELDING USING PROPERLY DRIED ELECTRODES...

SURFACES TO BE WELDED SHALL BE FREE OF SLAG, RUST, MOISTURE, GREASE OR ANY OTHER MATERIAL THAT WILL PREVENT PROPER WELDING OR PRODUCE OBJECTIONABLE FUMES.
8" X 8" X §" THICK PLATE

FENDER WASHERS

'M IN.

TRAFFIC SIDE

TRAFFIC SIDE

" NUT TYPICAL
EACH END

"d CONTINUOUS
THREADED ROD
18" INITIAL LENGTH

INSIDE CONNECTION
OUTSIDE CONNECTION

12'-0" CONTINUOUS

INSIDE CONNECTION
OUTSIDE CONNECTION

6" X 6" X §" BOX BEAM

FENDER WASHERS

90"nu SECTION WITHOUT SHIMMING
90"nu SECTION WITH SHIMMING

SHIM OUTSIDE
CONNECTIONS
WITH WASHERS

SHIM INSIDE
CONNECTIONS
WITH WASHERS

NOTE:

1. TEMPORARY CONCRETE BARRIER (TCB) SHALL BE PRECAST IN ACCORDANCE WITH THE REQUIREMENTS OF 710-21-18, BOX BEAM RAILING AND MEDIAN BARRIER, RAILS.
2. BOX BEAM NEED NOT BE NEW.
3. THE GALVANIZING REMAINING ON THE OLD PIECES SHALL BE SUFFICIENT TO ENSURE THE STEEL IS STRUCTURALLY INTACT.
4. TEMPORARY CONCRETE BARRIER WITH BOX BEAM STIFFENER SHALL BEGIN AT LEAST 50'-0" PRIOR TO, BE CONTINUOUS THROUGH AND EXTEND TO THE END OF THE AREA REQUIRING LIMITED DEFLECTIONS.

NOTE:

4'-3" 1'-3"
4'-3" 1'-3"
12'-0" CONTINUOUS
(SPLICES NOT PERMITTED)

6" X 6" X §" BOX BEAM

FENDER WASHERS

90"nu SECTION WITHOUT SHIMMING
90"nu SECTION WITH SHIMMING

SHIM OUTSIDE
CONNECTIONS
WITH WASHERS

SHIM INSIDE
CONNECTIONS
WITH WASHERS

NOTE:

1. TEMPORARY CONCRETE BARRIER (TCB) SHALL BE PRECAST IN ACCORDANCE WITH THE REQUIREMENTS OF 710-21-18, BOX BEAM RAILING AND MEDIAN BARRIER, RAILS.
2. BOX BEAM NEED NOT BE NEW.
3. THE GALVANIZING REMAINING ON THE OLD PIECES SHALL BE SUFFICIENT TO ENSURE THE STEEL IS STRUCTURALLY INTACT.
4. TEMPORARY CONCRETE BARRIER WITH BOX BEAM STIFFENER SHALL BEGIN AT LEAST 50'-0" PRIOR TO, BE CONTINUOUS THROUGH AND EXTEND TO THE END OF THE AREA REQUIRING LIMITED DEFLECTIONS.

NOTE:

4'-3" 1'-3"
4'-3" 1'-3"
12'-0" CONTINUOUS
(SPLICES NOT PERMITTED)

6" X 6" X §" BOX BEAM

FENDER WASHERS

90"nu SECTION WITHOUT SHIMMING
90"nu SECTION WITH SHIMMING

SHIM OUTSIDE
CONNECTIONS
WITH WASHERS

SHIM INSIDE
CONNECTIONS
WITH WASHERS

NOTE:

1. TEMPORARY CONCRETE BARRIER (TCB) SHALL BE PRECAST IN ACCORDANCE WITH THE REQUIREMENTS OF 710-21-18, BOX BEAM RAILING AND MEDIAN BARRIER, RAILS.
2. BOX BEAM NEED NOT BE NEW.
3. THE GALVANIZING REMAINING ON THE OLD PIECES SHALL BE SUFFICIENT TO ENSURE THE STEEL IS STRUCTURALLY INTACT.
4. TEMPORARY CONCRETE BARRIER WITH BOX BEAM STIFFENER SHALL BEGIN AT LEAST 50'-0" PRIOR TO, BE CONTINUOUS THROUGH AND EXTEND TO THE END OF THE AREA REQUIRING LIMITED DEFLECTIONS.

NOTE:

4'-3" 1'-3"
4'-3" 1'-3"
12'-0" CONTINUOUS
(SPLICES NOT PERMITTED)

6" X 6" X §" BOX BEAM

FENDER WASHERS

90"nu SECTION WITHOUT SHIMMING
90"nu SECTION WITH SHIMMING

SHIM OUTSIDE
CONNECTIONS
WITH WASHERS

SHIM INSIDE
CONNECTIONS
WITH WASHERS

NOTE:

1. TEMPORARY CONCRETE BARRIER (TCB) SHALL BE PRECAST IN ACCORDANCE WITH THE REQUIREMENTS OF 710-21-18, BOX BEAM RAILING AND MEDIAN BARRIER, RAILS.
2. BOX BEAM NEED NOT BE NEW.
3. THE GALVANIZING REMAINING ON THE OLD PIECES SHALL BE SUFFICIENT TO ENSURE THE STEEL IS STRUCTURALLY INTACT.
4. TEMPORARY CONCRETE BARRIER WITH BOX BEAM STIFFENER SHALL BEGIN AT LEAST 50'-0" PRIOR TO, BE CONTINUOUS THROUGH AND EXTEND TO THE END OF THE AREA REQUIRING LIMITED DEFLECTIONS.

NOTE:

4'-3" 1'-3"
4'-3" 1'-3"
12'-0" CONTINUOUS
(SPLICES NOT PERMITTED)

6" X 6" X §" BOX BEAM

FENDER WASHERS

90"nu SECTION WITHOUT SHIMMING
90"nu SECTION WITH SHIMMING

SHIM OUTSIDE
CONNECTIONS
WITH WASHERS

SHIM INSIDE
CONNECTIONS
WITH WASHERS

NOTE:

1. TEMPORARY CONCRETE BARRIER (TCB) SHALL BE PRECAST IN ACCORDANCE WITH THE REQUIREMENTS OF 710-21-18, BOX BEAM RAILING AND MEDIAN BARRIER, RAILS.
2. BOX BEAM NEED NOT BE NEW.
3. THE GALVANIZING REMAINING ON THE OLD PIECES SHALL BE SUFFICIENT TO ENSURE THE STEEL IS STRUCTURALLY INTACT.
4. TEMPORARY CONCRETE BARRIER WITH BOX BEAM STIFFENER SHALL BEGIN AT LEAST 50'-0" PRIOR TO, BE CONTINUOUS THROUGH AND EXTEND TO THE END OF THE AREA REQUIRING LIMITED DEFLECTIONS.