F-SHAPE TO SINGLE SLOPE TRANSITION

HARDWARE COMPONENTS TABLE

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>COMPONENT DESCRIPTION</th>
<th>QTY</th>
<th>TF-13 NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>THREE-BEAM TERMINAL CONNECTOR</td>
<td>2</td>
<td>RTE02b</td>
</tr>
<tr>
<td>2</td>
<td>2 SPACE NESTED THREE-BEAM GUARDRAIL</td>
<td>2</td>
<td>RTM02b</td>
</tr>
<tr>
<td>3</td>
<td>TRANSITION CAP</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>4</td>
<td>FIELD SIDE STRAP</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>5</td>
<td>8&quot; x 8&quot; x 1½&quot; WOOD SPACER BLOCK</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>6</td>
<td>¾&quot; x 4&quot; CARTRIDGE BOLT AND NUT (NOT SHOWN)</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>7</td>
<td>½&quot; x 6½&quot; ANCHOR BOLT (NOT SHOWN)</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>8</td>
<td>¾&quot; GUARDRAIL SPICE BOLT AND RECESSED NUT</td>
<td>24</td>
<td>FBB01</td>
</tr>
<tr>
<td>9</td>
<td>¾&quot; x 16&quot; STRUCTURAL HEX BOLT &amp; NUT</td>
<td>10</td>
<td>FBX22b</td>
</tr>
<tr>
<td>10</td>
<td>½&quot; HARDENED ROUND WASHER</td>
<td>10</td>
<td>FWC22b</td>
</tr>
<tr>
<td>11</td>
<td>RECTANGULAR GUARDRAIL PLATE WASHER</td>
<td>24</td>
<td>FWR03</td>
</tr>
</tbody>
</table>

ELEVATION (TRAFFIC SIDE)

ELEVATION (FIELD SIDE)

SECTION A-A

PLAN

WOOD SPACER BLOCK DETAIL

WARDRAIL BOLT AND RECESSED NUT

STRUCTURAL HEX BOLT AND NUT

RECTANGULAR GUARDRAIL PLATE WASHER

REVISIONS

STANDARD DRAWING

F-SHAPE TO SINGLE SLOPE TRANSITION

612-25

BOISE, IDAHO

13683

PROFESSIONAL ENGINEER

STATE OF IDAHO

10-2-19
2-SPACE THRIE-BEAM GUARDRAIL

2. TERMINAL CONNECTOR

F-JIELD SIDE STRAP DETAIL

TRANSLATION CAP DETAIL

NOTES

1. USE THE TRANSITION TO CONNECT F-SHAPE PRECAST CONCRETE BARRIER TO 42" SINGLE SLOPE BRIDGE PARAPET. THE F-SHAPE TO SINGLE SLOPE TRANSITION SHOWN IS A MASH TEST LEVEL 3 SYSTEM.

2. ANCHOR PIN THE LAST THREE F-SHAPE PRECAST CONCRETE BARRIER, THE PAVEMENT BENEATH THE PRECAST CONCRETE BARIER CAN BE ASPHALT OR CONCRETE. SEE THE PRECAST CONCRETE BARRIER STANDARD DRAWING.

3. CUT THE ENDS LOOPS OFF OF THE PRECAST CONCRETE BARRIER CLOSET TO THE SINGLE SLOPE BRIDGE PARAPET. BOLT THE PRECAST CONCRETE BARRIER UP AGAINST THE SINGLE SLOPE BRIDGE PARAPET AND ALIGN THE BARRIER FACES AT THE TOP TRAFFIC SIDE CORNER OF THE PRECAST CONCRETE BARRIER.

4. THE TOP AND SIDES OF THE TRANSITION CAP MAY BE MANUFACTURED FROM SEPARATE PLATES AND WELDED TOGETHER AT THE JOINTS. A SINGLE BENT PLATE (BEND RADII 4" MAX.), OR A COMBINATION OF THE TWO.

5. FABRICATE THE TRANSITION CAP AND FIELD SIDE STRAP FROM ASTM A36 STEEL. FABRICATE THE TRANSITION CAP WITH ¾ THICK STEEL. FABRICATE THE FIELD SIDE STRAP WITH 3⁄8 THICK STEEL. GALVANIZED FABRICATED PARTS AFTER ASSEMBLY.

6. CHAMFER THE TOP CORNERS OF RIBS WITH A 45° CHAMFER.

7. INSTALL RECTANGULAR GUARDRAIL PLATE WASHERS UNDER GUARDRAIL NUTS AT THE SPICE BETWEEN THE THRIE-BEAM GUARDRAIL AND THRIE-BEAM TERMINAL CONNECTOR, INSTALL UNDER THE BOLT HEAD ON THE UPSTREAM END AND UNDER NUT ON DOWNSTREAM END.

8. DRAWING NOT TO SCALE.

SINGLE SLOPE TRANSITION