**Wingwall of Abut Limits**

**Concrete Panel Length**

- Same as Slab
- Joint (See Detail)

**Concrete Panel Length**

- Same as Slab
- Joint (See Detail)

<table>
<thead>
<tr>
<th>ROADWAY ELEVATION OF RAIL</th>
<th>END OF BRIDGE RAIL FOR PAYMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wingwall Length (Yards)</td>
<td>Traffic Side of Rail</td>
</tr>
<tr>
<td>5'-0&quot; Min</td>
<td>Traffic Side of Rail</td>
</tr>
<tr>
<td>6'-0&quot; Min</td>
<td>Traffic Side of Rail</td>
</tr>
<tr>
<td>7'-0&quot; Min</td>
<td>Traffic Side of Rail</td>
</tr>
<tr>
<td>8'-0&quot; Min</td>
<td>Traffic Side of Rail</td>
</tr>
<tr>
<td>9'-0&quot; Min</td>
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</tr>
<tr>
<td>10'-0&quot; Min</td>
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</tr>
<tr>
<td>11'-0&quot; Min</td>
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<tr>
<td>12'-0&quot; Min</td>
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<tr>
<td>13'-0&quot; Min</td>
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<tr>
<td>14'-0&quot; Min</td>
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<tr>
<td>15'-0&quot; Min</td>
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<tr>
<td>16'-0&quot; Min</td>
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<td>17'-0&quot; Min</td>
<td>Traffic Side of Rail</td>
</tr>
<tr>
<td>18'-0&quot; Min</td>
<td>Traffic Side of Rail</td>
</tr>
</tbody>
</table>

**Intermediate Wall Joint**

- Same as Slab
- Joint (See Detail)

**Construction Joint**

- Same as Slab
- Joint (See Detail)

**REVISIONS**

- 0

**FILE**

- 0

**DATE**

- 9/30/2019

**COUNTY**

- 0

**SECT**

- 1

**DIST**

- 0

**REVISIONS**

- 0

**FILE**

- 0

**CONT**

- 1

**SHEET NO.**

- 1

**TxDOT**

- 0

**JTR**

- 0

**HIGHWAY**

- 0

**TRAFFIC RAIL**

- SINGLE SLOPE

**TYPE SSTR**

**ELEVATION SHOWING TYPICAL REINFORCING PLACEMENT**

- Concrete Rail Footprint
- Concrete Rail Expansion Joint
- Slab Expansion Joint
- Rail Footprint and perpendicular to slab outside edge.

**PLAN OF RAIL AT EXPANSION JOINTS**

- Example showing side expansion joints without breakbacks.

**SECTION**

- TERMINAL CONNECTION DETAILS

- Terminal Connectors and associated hardware are to be paid for under the Item "Metal Beam Guard Fence".
- Attach Metal Beam Guard Fence Transitions to the bridge rail and extend along the embankment if otherwise shown in the plans.
- Increase 2' for structures with Overlay.
- Back of rail offset mark with Engineer's approval, be continued to the end of the railing.
- Plan 4 additional Bars R(#4) 7'-0" in length inside Bars S(#4) and centered 2-3" from end of rail when Terminal Connections are required.

**INTERMEDIATE WALL JOINT DETAIL**

- Provide at all interior bents without slab expansion joints.