PARTIAL PLAN - APPROACH TRANSITION SHOWN
(TRAILING END SIMILAR)

Limits of Payment for Temporary Barrier Wall

Three-Beam Panels on Bridge

End Span

2'-6"

Approach Span

5'-0"

Traffic Railing - Class B

Two 12'-6" - Class A (12 Gauge)

(10 Gauge) Three-Beam Panels (Nested)

Type K Barrier Unit

Terminal Connector (Typ.)

Stakes (Typ.)

(See Index 102-110 for details)

PARTIAL ELEVATION - APPROACH TRANSITION SHOWN
(TRAILING END SIMILAR)
**INDEX 102-240**

**TEMPORARY DETOUR BRIDGE**

**THRIE-BEAM GUARDRAIL**

**DESCRIPTION:**

Last Revision: 11/01/16

**SEC. A-A**

- Thrie-Beam Panel (1/0 Gauge)
  - Galv. Wire Rope
  - 1/2 Thrie-Beam Top Bolt
  - 1/2 Post Bolt & recessed nut
  - Offset Block
  - Steel Grid Deck
  - Existing Gussel Plates
  - Steel Grid Deck

- Match offset block to clear pin and channel
- Match offset block to clear pin and channel
- Omit Top Bolt at End Posts Only
- Thrie-Beam Top Bolt

**SEC. B-B**

- Thrie-Beam Panel
  - Galv. Wire Rope
  - 1/2 Thrie-Beam Top Bolt
  - 1/2 Post Bolt & recessed nut
  - Offset Block
  - Steel Grid Deck
  - Existing Gussel Plates
  - Steel Grid Deck

- Match offset block to clear pin and channel
- Match offset block to clear pin and channel
- Omit Top Bolt at End Posts Only
- Thrie-Beam Top Bolt

**SEC. C-C**

- Thrie-Beam Panel
  - Galv. Wire Rope
  - 1/2 Thrie-Beam Top Bolt
  - 1/2 Post Bolt & recessed nut
  - Offset Block
  - Steel Grid Deck
  - Existing Gussel Plates
  - Steel Grid Deck

- Match offset block to clear pin and channel
- Match offset block to clear pin and channel
- Omit Top Bolt at End Posts Only
- Thrie-Beam Top Bolt

**SEC. D-D**

- Thrie-Beam Panel
- Galv. Wire Rope
- 1/2 Thrie-Beam Top Bolt
- 1/2 Post Bolt & recessed nut
- Offset Block
- Steel Grid Deck
- Existing Gussel Plates
- Steel Grid Deck

- Match offset block to clear pin and channel
- Match offset block to clear pin and channel
- Omit Top Bolt at End Posts Only
- Thrie-Beam Top Bolt

**SEC. E-E**

- Thrie-Beam Panel
- Galv. Wire Rope
- 1/2 Thrie-Beam Top Bolt
- 1/2 Post Bolt & recessed nut
- Offset Block
- Steel Grid Deck
- Existing Gussel Plates
- Steel Grid Deck

- Match offset block to clear pin and channel
- Match offset block to clear pin and channel
- Omit Top Bolt at End Posts Only
- Thrie-Beam Top Bolt

**SEC. F-F**

- Thrie-Beam Panel
- Galv. Wire Rope
- 1/2 Thrie-Beam Top Bolt
- 1/2 Post Bolt & recessed nut
- Offset Block
- Steel Grid Deck
- Existing Gussel Plates
- Steel Grid Deck

- Match offset block to clear pin and channel
- Match offset block to clear pin and channel
- Omit Top Bolt at End Posts Only
- Thrie-Beam Top Bolt

**SEC. H-H**

- Thrie-Beam Panel
- Galv. Wire Rope
- 1/2 Thrie-Beam Top Bolt
- 1/2 Post Bolt & recessed nut
- Offset Block
- Steel Grid Deck
- Existing Gussel Plates
- Steel Grid Deck

- Match offset block to clear pin and channel
- Match offset block to clear pin and channel
- Omit Top Bolt at End Posts Only
- Thrie-Beam Top Bolt

**VIEW G-G**

- Thrie-Beam Panel
- Galv. Wire Rope
- 1/2 Thrie-Beam Top Bolt
- 1/2 Post Bolt & recessed nut
- Offset Block
- Steel Grid Deck
- Existing Gussel Plates
- Steel Grid Deck

- Match offset block to clear pin and channel
- Match offset block to clear pin and channel
- Omit Top Bolt at End Posts Only
- Thrie-Beam Top Bolt

**STEEL POST PLATE**

- Steel Post Plate & recessed nut
- Galv. Wire Rope
- Thrie-Beam Panel
- Galv. Wire Rope
- 1/2 Thrie-Beam Top Bolt
- 1/2 Post Bolt & recessed nut
- Offset Block
- Steel Grid Deck
- Existing Gussel Plates
- Steel Grid Deck

- Match offset block to clear pin and channel
- Match offset block to clear pin and channel
- Omit Top Bolt at End Posts Only
- Thrie-Beam Top Bolt

**SECTIONS AND DETAILS**

**BACKER PLATE 001 DETAIL**

**BACKER PLATE 002 DETAIL**

**STANDARD PLANS**

FY 2021-22

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5 of 6
**PLAN VIEW OF TRANSITION BLOCK**
(GUARDRAIL NOT SHOWN FOR CLARITY)

- Match curb height and slope at traffic face
- Transition Block
- #3 Stirrups (Field Bend) (Typ.)
- #4 Bar
- Edge of Approach Span (Location varies)
- Top of Existing Curb or Bridge Deck
- Shoulder Line
- Front face of Curb
- Existing Approach Span or Bridge Deck

**ELEVATION OF TRANSITION BLOCK**
(GUARDRAIL AND POSTS NOT SHOWN FOR CLARITY)

- 1"Ø Anchor Rods 3'-0" long driven into ground prior to casting concrete
- 1"Ø Anchor Rods (Location varies)

**ESTIMATED QUANTITIES**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>UNIT</th>
<th>QUANTITY</th>
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</thead>
<tbody>
<tr>
<td>Concrete Class NS</td>
<td>CY</td>
<td>3.4</td>
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<tr>
<td>Reinforcing Steel</td>
<td>LB</td>
<td>61</td>
</tr>
<tr>
<td>Guardrail (Reset)</td>
<td>LP</td>
<td>12.5</td>
</tr>
</tbody>
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**NOTES:**
- **REINFORCING STEEL:** Reinforcing steel shall be ASTM A615, Grade 60.
- **ANCHOR RODS:** Steel Anchor Rods shall be ASTM A36, ASTM A709 Grade 36 or ASTM A615 Grade 60 hot-dip galvanized in accordance with Specification Section 962.