**Temporary Detour Bridge**

**Thrie-Beam Guardrail**

- **Grade Beam**
- **Steel Grid Deck**
- **Bent**
- **Backwall Bent**
- **End Bent**
- **Approach Roadway**
- **Traffic Railing - Class B**
- **Type K Barrier Units**
- **Terminal Connector (Typ.)**
- **Stakes (Typ.)**

**Limitations of Payment**

- **Three-Beam Panels on Bridge**
  - End Span: 2'-6" ±
  - Ramp Span: 5'-0"
  - Approach Span: 5'-0"

- **Approach Transition using Staked Type K Barrier Units**
  - See Index 102-110

**Key:**

- Staked
- Not Staked

**Partial Plan - Approach Transition Shown**

**Partial Elevation - Approach Transition Shown**

(Trailing End Similar)

**Reference:**

- See Index 102-110 for details
**DESCRIPTION:**

TEMPORARY DETOUR BRIDGE
THRIE-BEAM GUARDRAIL

**INDEX 536-001**

**INDEX 102-110**

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**STEEL POST PLATE DETAIL**

*Rotate 001 to clear Bracing Frame to bear on Truss and End Post.*

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**BACKER PLATE 002 DETAIL**

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**VIEW G-G**

(Adjacent Post and Offset Blocks not shown for clarity)

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**SECTIONS AND DETAILS**

**SECTION A-A**

**SECTION B-B**

**SECTION C-C**

**SECTION D-D**

**SECTION E-E**

**SECTION F-F**

**SECTION H-H**

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**BRIDGE THRIE-BEAM PANEL SECTION**

(10 GAUGE)

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**OFFSET BLOCKS**

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**STEEL POST PLATE DETAIL**

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**REV IS IO N**

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**F Y 2019-20**

STANDARD PLANS

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**SECTIONS AND DETAILS**

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**INDEX 102-240**

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

- Grade Beam
- Shoulder Line
- Transition Block
- Front face of Curb
- Existing Approach Span or Bridge Deck

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

- Match curb height and slope at traffic face
- Transition Block
- Top of Curb
- Top of Approach Span or Bridge Deck
- Grade Beam
- Top of Existing Curb
- 1"Ø Anchor Rods 3'-0" long driven into ground prior to casting concrete

**ESTIMATED QUANTITIES**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>UNIT</th>
<th>QUANTITY</th>
</tr>
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<tbody>
<tr>
<td>Concrete Class NS</td>
<td>CUB</td>
<td>34</td>
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<tr>
<td>Reinforcing Steel</td>
<td>LB</td>
<td>61</td>
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<tr>
<td>Guardrail (Reset)</td>
<td>LF</td>
<td>12.5</td>
</tr>
</tbody>
</table>

**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.