**GENERAL NOTES:**

This Index is only applicable to the current FDOT inventory of temporary bridge components which are manufactured in accordance with Acrow Series 300, Double Wide design.

Work this Index with Index 102-210, 102-220, 102-230 and 102-240.

**STRUCTURAL STEEL:**
Steel Plates and Rolled Sections shall be ASTM A709 Grade 36. Pipe piles shall be ASTM A502 Grade 2, fy = 35 ksi.

**BOLTS, LAG SCREWS AND THREADED BOLT STOCK:**
Furnish high strength bolts in accordance with ASTM F3125 Grade A325 Type 1. Furnish Threaded Stock in accordance with ASTM A193. Furnish Lag Screws in accordance with ASTM A307. Furnish steel washers and nuts compatible with Bolts, Threaded Stock and Lag Screws.

**TIMBER AND LAGGING:**
Timber and Lagging shall be No. 1 Southern Yellow Pine.

**DECKING SIZES:**
- 9' 6" x 4' 1200 lbs
- 10' 6" x 4' 1600 lbs
- 11' 6" x 4' 2000 lbs
- 12' 6" x 4' 2800 lbs

**CONCRETE:** Concrete for Transition Blocks shall be Class II (Bridge Deck).

**WOOD BLOCKS:** All wood blocks, including required wedge shaped blocks shall be Pressure Treated Lumber in accordance with Specifications Section 955. Bolt holes in blocks to be centered (±1/4”).

**COATINGS:** All Nuts, Bolts, Anchors, Washers and Backer Plates shall be hot-dip galvanized in accordance with AASHTO M180. Plate Washers shall be in accordance with ASTM A36 or ASTM A709 Grade 36.

**EXPANSION BEARINGS:**
Inspect the PTFE (Teflon) layer and stainless steel plate prior to installation. Do not use bearings that have a severely damaged or unbonded PTFE layer. Clean PTFE of all grit and grime prior to installation. Do not drill Temporary Bridge components to attach Guardrail. Guardrail Bolts shall be M180, Type II (Zinc coated).

**EXPANSION BEARINGS:**
Inspection of the PTFE (Teflon) layer and stainless steel plate prior to installation. Do not use bearings that have a severely damaged or unbonded PTFE layer. Clean PTFE of all grit and grime prior to installation. Clean Stainless steel plate of all grit and grime prior to installation and finish to a smooth buffered surface.

**DISTRIBUTING BEAMS:**
Distributing beams restraining the distributing beams may be lengthened or shortened to center the distributing beam bearing on the cap beam. The longitudinal stops are to be on the distributing beam end frame.

**EXPANSION JOINT SETTINGS:**
Install the expansion joint considering the total continuous bridge length, location of fixed bearings and ambient temperature at the time of installation, assume a 1' expansion joint opening at 70 degrees F.

**STORAGE FACILITY:**
Contact FDOT Statewide Aluminum Shop
2590 Camp Rd
Oviedo, Fl.
407-296-2137
For shipping weights and dimensions of Temporary Bridge elements.

**SHIPPING WEIGHTS AND DIMENSIONS:**

<table>
<thead>
<tr>
<th>Type</th>
<th>Length (ft)</th>
<th>Width (in)</th>
<th>Weight (lbs)</th>
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<tr>
<td>Curb</td>
<td>10</td>
<td>6-9</td>
<td>1420</td>
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<tr>
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<td>2800</td>
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<td>650</td>
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<td>1000</td>
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<tr>
<td>NoM/Curb</td>
<td>15</td>
<td>5-3</td>
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<tr>
<td>NoM/Curb</td>
<td>20</td>
<td>5-3</td>
<td>2100</td>
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**TRAFFIC RAILING NOTES:**

See Index S36-001 for component details, geometric layouts and associated notes not fully detailed here.

**CONCRETE:** Concrete for Transition Blocks shall be Class II (Bridge Deck)

**THREE-BEAM PANEL:** Steel Three-Beam Elements shall meet the requirements of AASHTO M180 Type II (Zinc coated).

**BOLTS, NUTS AND WASHERS:** Bolts, nuts and round washers shall be in accordance with AASHTO M180. Plate Washers shall be in accordance with ASTM A36 or ASTM A709 Grade 36.

**PLATE WASHERS:** Plate Washers shall be in accordance with Specifications.

**WOOD BLOCKS:** All wood blocks, including required wedge shaped blocks shall be Pressure Treated lumber in accordance with Specifications Section 955. Bolt holes in blocks to be centered (±1/4”).

**PAYMENT:**
Temporary Detour Bridge is to be paid for under Contract Unit Price for Special Detour.

If a temporary bridge system other than that shown herein is used, the Contractor is responsible for renting or purchasing their own system. Payment for Temporary Detour Bridge is to be paid for under Contract Unit Price for Special Detour.

Furnish and install Bridge Three-Beam Panels and all associated hardware as shown. Payment will be made with the Temporary Detour Bridge under the Pay Item Special Detour, LS. Turn over Bridge Three-Beam Panels and all associated hardware to the Department with the Detour Bridge components per Specifications Section 102-6.
TYPICAL PLAN VIEW OF DETOUR BRIDGE
(TIMBER PILES SHOWN, STEEL H PILES AND STEEL PIPE PILES SIMILAR)
(Thrie-Beam Panel not shown for clarity, See Index 102-240)
ELEVATION VIEW

(TIMBER PILES SHOWN, STEEL H PILES AND STEEL PIPE PILES SIMILAR)

(Thrie-Beam Panel not shown for clarity, See Index 102-240)
TYPICAL SECTION THRU DETOUR BRIDGE AT INTERIOR BENTS (TYPICAL SECTION AT END BENTS SIMILAR WITHOUT DISTRIBUTING BEAMS) (TIMBER PILES SHOWN, STEEL H PILES AND STEEL PIPE PILES SIMILAR)
DETAILS FOR FDOT SUPPLIED FIXED BEARINGS

DETAILS FOR FDOT SUPPLIED EXPANSION BEARINGS
Backwall Bent Details
**TEMPORARY DETOUR BRIDGE DETAILS**

**STEEL H PILE FOUNDATIONS**

**FY 2020-21 STANDARD PLANS**

**DESCRIPTION:**

- **FIXED BEARING DETAILS**
- **EXPANSION BEARING DETAILS**

**FIXED BEARING KEEPER BAR DETAIL**

**EXPANSION BEARING KEEPER BAR DETAIL**

**Steel Bent Cap**

**Typ. both legs**

**Typ. bear.**

**Expansion Bearing Assemblies shown dashed**

**AB7 & AB8 Bearings shown dashed**

**Bearing (shift as required within tolerance)**

**Shim Plate when required**

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**REV. DESCRIPTION:**

- TEMPORARY DETOUR BRIDGE DETAILS
- STEEL H PILE FOUNDATIONS

**INDEX SHEET:**

- 102-220

- 1 of 2

**LAST REV.**

- 01/01/16
Note:
Use Shim Plates as required to provide equal bearing seat elevations across the bent. Vary thickness of Shim Plate across the pile cap plate to provide a level bearing area in the transverse direction.
Use Shim Plates as required to provide equal bearing seat elevations across the bent. Vary thickness of Shim Plate across the pile cap plate to provide a level bearing area in the transverse direction.
PARTIAL PLAN - APPROACH TRANSITION

Limits of Payment for Thrie-Beam Panels on Bridge

End Span 2'-6"
Approach Span 5'-0"

Traffic Railing - Class B (10 Gauge)

Three-Beam Panels 4'-6"

Begin or End Detour Bridge 2'-6"

Grade Beam

Transition Block

Bent

Approach Span

PARTIAL ELEVATION - APPROACH TRANSITION

THRIE-BEAM GUARDRAIL APPROACH TRANSITION

Limits of Payment for Temporary Guardrail

End Span 2'-6"
Approach Span 5'-0"

Traffic Railing - Class B (10 Gauge)

Two 12'-6" - Class A (12 Gauge) Thrie-Beam Panel

6'-3" Class A (12 Gauge) W-Beam to W-Beam Guardrail See Index 536-001

Three-Beam Panels 4'-6"

Begin or End Detour Bridge 2'-6"

Grade Beam

Transition Block

THRIE-BEAM GUARDRAIL APPROACH TRANSITION
PARTIAL PLAN - APPROACH TRANSITION SHOWN (TRAILING END SIMILAR)

Limits of Payment for
Three-Beam Panels on Bridge
End Span 2'-6" 5'-0"
Approach Span
Traffic Railing - Class B
Two 12'-6" - Class A (12 Gauge)
(10 Gauge) Three-Beam Panels
Three-Beam Guardrail Panels (Nested)
Bearing
Type K Barrier Unit
Terminal Connector (Typ.)
(See Index 102-110 for details)

PARTIAL ELEVATION - APPROACH TRANSITION SHOWN (TRAILING END SIMILAR)

Limits of Payment for Temporary Barrier Wall
Approach Transition using Staked Type K Barrier Units
Freestanding Type K Barrier Units
See Index 102-110

KEY:

- Staked
- Not Staked
**PLAN VIEW OF TRANSITION BLOCK**

(GLASSRAIL NOT SHOWN FOR CLARITY)

**ELEVATION OF TRANSITION BLOCK**

(GLASSRAIL AND POSTS NOT SHOWN FOR CLARITY)

### ESTIMATED QUANTITIES

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<td>Reinforcing Steel</td>
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<tr>
<td>Guardrail (Reset)</td>
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</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.