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 A522 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 A48. 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.

BACKWALL BENT PILES:
Timber Piles:
10 Minimum Embedment into compacted backfill or into soil having a blow count greater than 6 (N6).
Ultimate Capacity greater than 18 tons.
Splices are not allowed on any timber piles.

H-Piles:
12 Minimum Embedment into compacted backfill or into soil having a blow count greater than 6 (N6).
Ultimate Capacity greater than 18 tons.
Shims admissible between backwall pile and cap.
Test piles are not required for backwall piles.

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.
Clean Stainless steel plate of all grit and grime prior to installation and finish to a smooth buffed surface.

DISTRIBUTING BEAMS:
Longitudinal stops 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
Orlando, FL
407-977-6980
For shipping weights and dimensions of Temporary Bridge elements.

SHIPPING WEIGHTS AND DIMENSIONS:

<table>
<thead>
<tr>
<th>Type</th>
<th>Length</th>
<th>Width</th>
<th>Weight (lbs.)</th>
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<tr>
<td>Curb</td>
<td>9</td>
<td>6'-9&quot;</td>
<td>800</td>
</tr>
<tr>
<td>Curb</td>
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<tr>
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</table>

Shipping weights and dimensions of other bridge components can be referenced in "Acrow Panel Bridging, Series 300, Technical Handbook".

TRAFFIC RAILING NOTES:
See Index 536:001 for component details, geometric layouts and associated notes not fully detailed herein.

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. Plate Washers shall be in accordance with ASTM A36 or ASTM A709 Grade 36.

BOLTS, NUTS AND WASHERS: Bolts, nuts and round washers shall be in accordance with ASTM A325 Type 1 (Zinc coated).

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. Payment will be made with the Temporary Detour Bridge under the Pay Item Special Detour.

Furnish and install Bridge Three-Beam Panels and all associated hardware as shown.

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

(TIMBER PILES SHOWN, STEEL H PILES AND STEEL PIPE PILES SIMILAR)
(Three Beam Panel not shown for clarity, See Index 102-240)
Timber Bent shown for illustration purposes. See Plans for actual Bent Designs, including Pile sizes and spacing, bent cap and bracing requirements.

Contractor supplied foundation components, including Bearing Saddles, Keepers, and Shims.

F DOT supplied Temporary Bridge Components including Fixed, Expansion Bearings, and associated components not included.

Temporary Detour Bridge Components

102-200
**AB22 Distributing Beam & Bearing Block (Typ.)**

- 1'-0" to 2'-0"

**AB23 Distributing Beam End Frame**

- Bracing Bolts
- Truss Retainer Plates
- (location, number and type vary)

**AB505C Distributing Beam Stop (Typ.)**

- 9" to 9"

**Lateral Alignment Dowels (Typ.)**

- 1'-0" ±
- Distribution Beam End Frame (Typ. both ends)

**Note:**

- ε Bearing may be shifted from ε Truss Pins as shown, ε Intermediate Bent may be shifted from ε Bearing an additional 3" to allow for pile placement tolerances.

**ELEVATION VIEW OF DISTRIBUTING BEAM**

(Fixed Bearing shown, Expansion Bearing similar)

(Timber Intermediate Bent shown, Steel Intermediate Bents similar)

**VIEW B-B**

- Truss Retainer Plates
- Lateral Alignment Dowels (Typ.)
- Bracing Bolts
- AB23 Distributing Beam End Frame

**VIEW A-A**

- AB22 Distributing Beam shown dashed
- AB23 Distributing Beam End Frame (Typ. both ends)
- AR23 Distributing Beam (Typ. both ends)

**END VIEW A-A**

**DISTRIBUTING BEAM END FRAME DETAIL**

- 6'-0" (Typ. both ends)
- 8'-4" (Typ. both ends)
- AB584 Chord Bolts

**GENERAL NOTES AND DETAILS**

(FY 2018-19 Standard Plans)

**DESCRIPTION:**

- Last Revision: 07/01/15
- Revision 102-200
**Temporary Detour Bridge**

**Timber Pile Foundations**

**Plan View**
- **Deck Hold Down Strap (Typ.)**: 3 x 2 x 1'-0" (Typ.)
- **Spacing Deck Hold Down Straps**: 5 sp. @ 5'-4" ± (Center Strap on Pile)
- **Field verify pile locations and adjust straps before welding to Bottom Cap (Typ.)**

**Elevation View**
- **4" x 10" Timber Lagging**
- **Filter Fabric**
- **12" Ø Timber Piles (Typ.)**

**Backwall Bent Details**

**Specifications**
- **Limits of Filter Fabric shown shaded**
- **Top of Berm or Existing Ground**
- **Deck Hold Down Strap (Typ.)**: 3 x 2 x 1'-0" (Typ.)
- **Spacing Deck Hold Down Straps**: 5 sp. @ 5'-4" ± (Center Strap on Pile)

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**Revision History**
- **Last Revision**: 07/01/06
- **Revision Description**: ST-102-210

**FDOT Standard Plans**
- **FY 2018-19**

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**Sheet**: 2 of 3
**Temporary Detour Bridge Details**

**Steel Pipe Pile Foundations**

**Fixed Bearing Details**

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.
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.

PARTIAL PLAN VIEW

PARTIAL ELEVATION VIEW

ABUTMENT AND INTERMEDIATE EXPANSION BEARING DETAILS
PARTIAL PLAN - 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

PARTIAL ELEVATION - APPROACH TRANSITION SHOWN (TRAILING END SIMILAR)

KEY:
- Staked
- Not Staked

TYPE K BARRIER UNIT APPROACH TRANSITION
**Offset Block(s) as required**

**Approach Span Curb**

**Guardrail Post**

**Thrie-Beam Panel**

**Asphalt Pavement**

**Steel Grid Deck**

**Bracing Frame**

**4 - 3/8" x 7" Lag Screws (for Timber Bent Cap)**

**4 - 5/8" ASTM F3125 Grade A325 Bolts Type 1**

(Adjacent Post and Offset Blocks not shown for clarity)

**Galv. Wire Rope**

(As directed by the Engineer in order to limit vibration induced vertical displacement of the Thrie-Beam Panels, provide Contractor supplied, one time use, commercially available 5/16" (Min.) Galvanized Wire Rope w/ Ferrules or other approved wire type) positioned and tensioned as required to secure the Panels.

**BACKER PLATE #01 DETAIL**

**BACKER PLATE #02 DETAIL**

**STEEL POST PLATE DETAIL**

**SECTION A-A**

**SECTION B-B**

**SECTION C-C**

**SECTION D-D**

**SECTION E-E**

**SECTION F-F**

**SECTION H-H**

**VIEW G-G**

**BRIDGE THRIE-BEAM PANEL SECTION (16 GAUGE)**

**SECTION AND DETAILS**

**INDEX**

**FAO**

**REV**
PLAN VIEW OF TRANSITION BLOCK
(GUARDRAIL NOT SHOWN FOR CLARITY)

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

<table>
<thead>
<tr>
<th>Item</th>
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<tr>
<td>Concrete Class NS</td>
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<tr>
<td>Reinforcing Steel</td>
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<tr>
<td>Guardrail (Reset)</td>
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</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.