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

STRUCTURAL STEEL:

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

DISTRIBUTION BEAMS:

Distribution beam keeper channels restraining the distribution beams may be lengthened or shortened to center the distributing beam bearing on the cap beam. The ends of the keeper channels are to bear 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 2" expansion joint opening at 70 degrees F, (Expansion joint depends on span/bridge length and configuration).

STORAGE FACILITY:

Contact

FDOT Statewide Aluminum Shop 2590 Camp Rd. Oviedo, Fl. 407-278-2727

For shipping weights and dimensions of Temporary Bridge elements. Contractor to coordinate with Storage Facility and Acrow to obtain required parts list. Shipping weights and dimensions of other bridge components can be referenced in "Acrow Panel Bridging, Series 700XS, Technical Handbook".

APPROACH 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)

THRIE-BEAM PANEL: Steel Thrie-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. Do not drill Temporary Bridge components to attach Guardrail. Guardrail Bolts shall be placed between Truss members as shown in Index 102-240.

COATINGS: All Nuts, Bolts, Anchors, Washers and Backer Plates shall be hot-dip galvanized in accordance with the 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 $(\pm 1/4")$.

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 Guardrail work and Transition Block will be made under Pay Item Temporary Guardrail, LF.

Furnish and install Bridge Thrie-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 Thrie-Beam Panels and all associated hardware to the Department with the Detour Bridge components per DESCRIPTION:

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TEMPORARY ACROW 700XS SERIES DETOUR BRIDGE

INDEX 102-201

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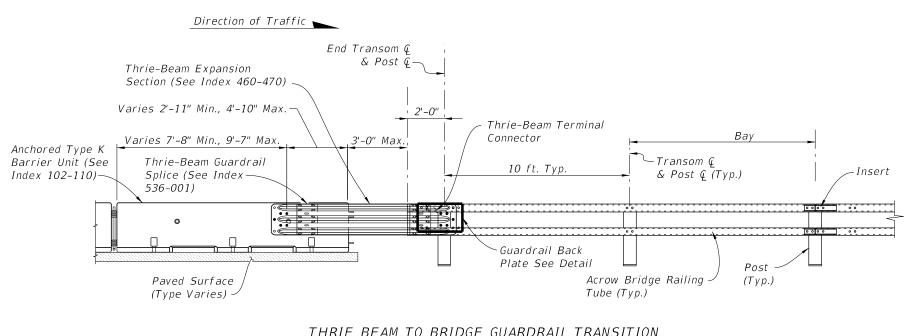
Optional Double High only at the End Reinforcing Chords Truss Configuration Chord Bolt (Truss configuration Top, Bottom (typ.) ·Top of Curb depends on design Live load, Span, and -Top of Deck width of bridge) Raker Brace Panel Raker Raker Brace Raker Brace Top of Steel Deck (Asphalt not Included) Transom Bearing Block Transom TYPICAL ELEVATION VIEW Brace with Bearing **ABUTMENT** Reinforcing Diagonal Brace Chord End Use Bolts (Top & Bottom) Raker Bearing (Top Chord Brace Brace Transom Braces (typ.) Transom Curb Unit, Curb Unit Curb Unit Bolt Deck, Unit Deck Únit Dečķ "Unit Swaybrace (See Table 1 Sheet 5 for Types) Deck Unit Ďeck Unit Ďeck Uniţ Transom Bolster Strut (by others) - Strut - Strut (at Top) (at Top) Deck Unit Deck Unit `Strut Deck Unit `Brace (at Top) Deck Unjt Deck Unji Deck Unit Deck \Unit Deck Unit Deck Unit Transom Braces (typ.) Curb Curb Unit Curb Unit 10'-0" Bay Bearing ⊈ (typ.)NOTE: See Acrow Technical Handbook and Deck Bolt TYPICAL PLAN VIEW Parts List for Item Part Details T-Bolt (4 per Deck Unit)

Reinforcing Chord 20'-0" Top & Bottom (typ.)

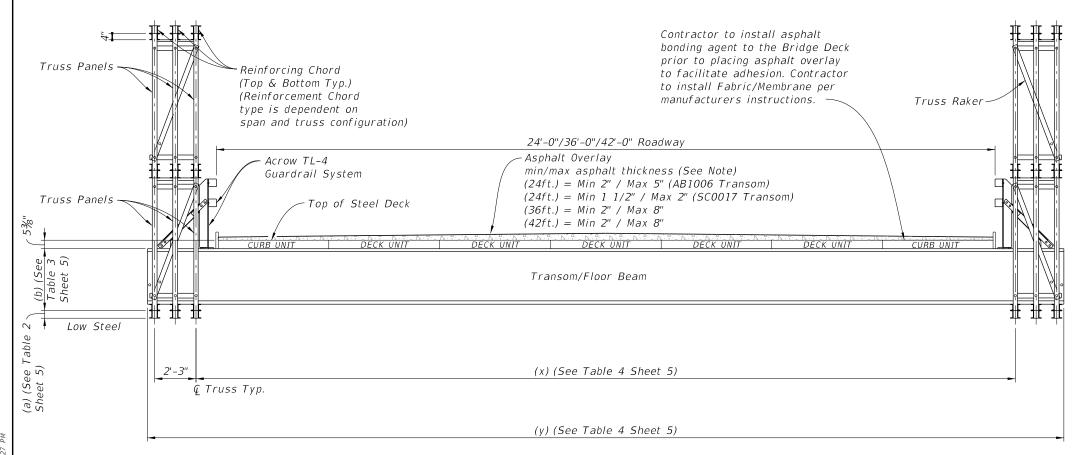
Use Chord Bolts

Pins @

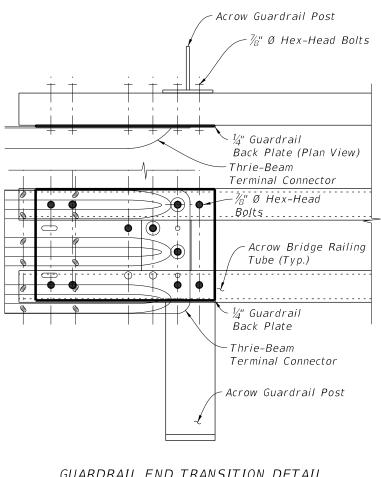
Raker Brace



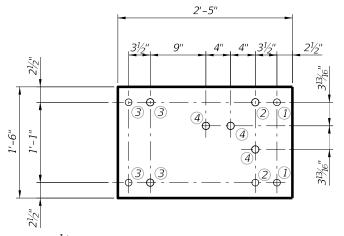
THRIE BEAM TO BRIDGE GUARDRAIL TRANSITION



SECTION A-A (Double High Truss shown, Single High Truss Similar) NOTES: See Acrow Technical Handbook and parts list for item number details. Asphalt overlay thickness shown is for when using plain steel deck.



GUARDRAIL END TRANSITION DETAIL



1/4" GUARDRAIL BACK PLATE DETAIL

CONNECTION NOTES:

At the numbered locations, align bolt holes and thru-bolt the following:

- 1 Post Tube Plate
- ② Post Tube Plate Thrie-Beam
- ③ Tube Plate
- 4 Plate Thrie-Beam

Back Plate is ASTM A36. Use plate washers for all Thrie-Beam to plate connections. Use ¾" Ø Hex Head Bolts. Drill, ream, or slot holes in Thrie-Beam connector as required for fit up.

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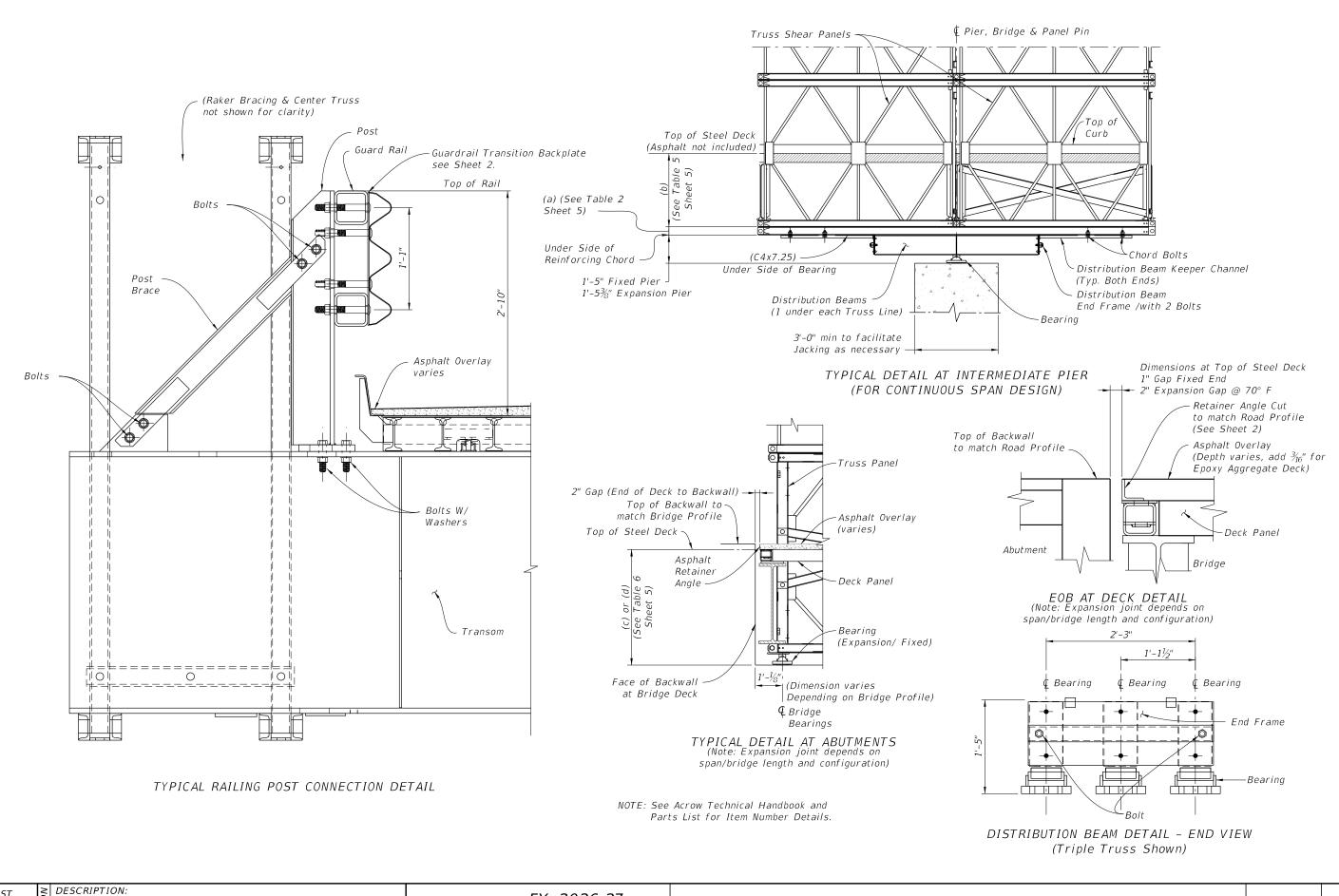
SHEET 2 of 5

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DESCRIPTION:

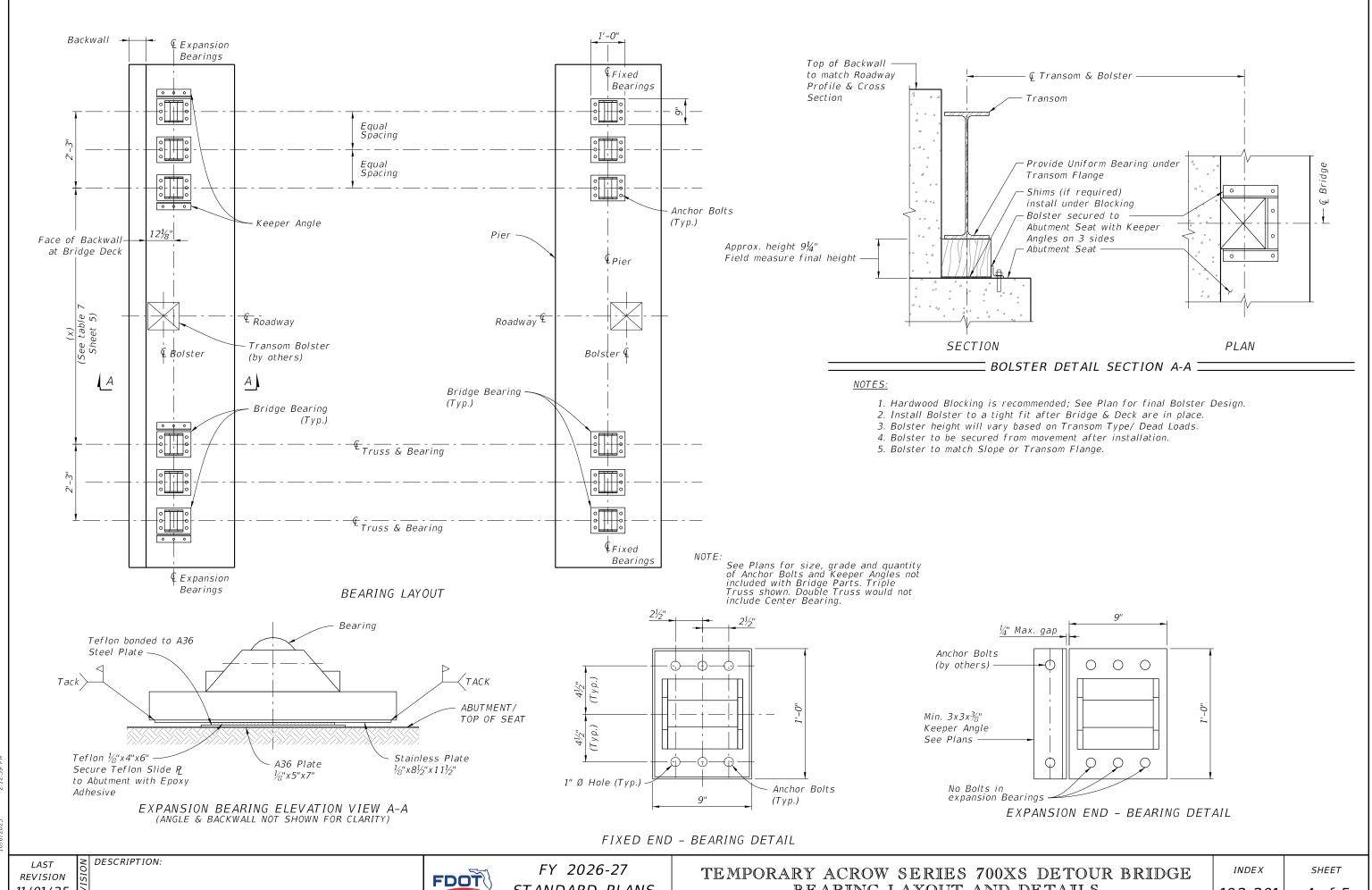
TEMPORARY ACROW SERIES 700XS DETOUR BRIDGE BEAM AND GUARDRAIL DETAILS



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TABLE 1				
Swaybrace / Transom Brace				
Bridge Roadway width (ft)	Transom	Swaybrace Part # (Light)	Swaybrace Part # (Heavy)	Transom Brace Part #
24	SC0017	AB590	AB515	AB519
24	AB1006	AB1012	AB1012	AB519
36	AB957	AB891	AB891	AB519
42	AB978	AB979	AB979	AB519

	TABLE 2	
(a) Reinforcing Chord Thickness		
Regular Reinforcing Chord Thickness	Heavy Reinforcing Chord Thickness	Super Heavy Reinforcing Chord Thickness
4"	5"	6"

TABLE 3		
Bridge Roadway width (ft)	Transom Part #	(b) Height Bottom of Truss Chord to top of Transom
24	SC0017	285⁄ ₁₆ "
24	AB1006	34"
36	AB957	40¾ ₁₆ "
42	AB978	43"

	TABLE 4			
Bridge Roadway width (ft)	Transom Part #	(x) • to inner truss to • truss	(y) Transom Beam Length	
24	SC0017	26'-1"	31'-4"	
24	AB1006	26'-1"	31'-4"	
36	AB957	38'-4 ¹³ / ₁₆ "	43'-7 ¹³ / ₁₆ "	
42	AB978	44'-43%''	49'-7 % "	

TABLE 5		
Bridge Roadway width (ft)	Transom Part #	(b) Height Bottom of Truss Chord to top of Deck
24	SC0017	33 ¹¹ / ₁₆ "
24	AB1006	39¾"
36	AB957	45% ₁₆ "
42	AB978	48 % "

NOTE: Add ¾6" for Epoxy Aggregate Deck

TABLE 6			
Bridge Roadway width (ft)	Transom Part #	(c) Height Bottom of fixed bearing to top of Deck	(d) Height Bottom of expansion bearing to top of Deck
24	SC0017	39½"	39½"
24	AB1006	443/4"	45½"
36	AB957	50 ¹⁵ / ₁₆ "	51 ⁵ / ₁₆ "
42	AB978	53¾"	54½"

NOTE: Add $rac{3}{16}$ " for Epoxy Aggregate Deck

Bridge Roadway width (ft)	Transom Part #	(x) Q to inner truss to Q inner truss
24	SC0017	26'-1"
24	AB1006	26'-1"
36	AB957	38'-4 ¹³ / ₁₆ "
42	AB978	44'-4 ³ ⁄8''