
ORIGINATION FORM

Proposed Revisions to a Standard Plans Index
(Please provide all information — Incomplete forms will be returned)

Contact Information:

Date:
Originator:
Phone:
Email:

Standard Plans:

Index Number:
Sheet Number (s):
Index Title:

Summary of the changes:

Commentary / Background:

Other Affected Offices / Documents: (Provide name of person contacted)

Yes No

Other Standard Plans –
FDOT Design Manual –
Basis of Estimates Manual –
Standard Specifications –
Approved Product List –
Construction –
Maintenance –

Origination Package Includes:

(Email or hand deliver package to Rick Jenkins)

Yes N/A

Redline Mark-ups
Proposed Standard Plan Instruction (SPI)
Revised SPI
Other Support Documents

Implementation:

Design Bulletin (Interim)
DCE Memo
Program Mgmt. Bulletin
FY-Standard Plans (Next Release)

Contact the Roadway Design Office for assistance in completing this form

GENERAL NOTES:

This Index is only applicable to the current FDOT inventory of temporary bridge components which are manufactured in accordance with Acrow Series 700XS three Lane 36' and 42' widths.

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.

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 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 1" expansion joint opening at 70 degrees F.

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".

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.

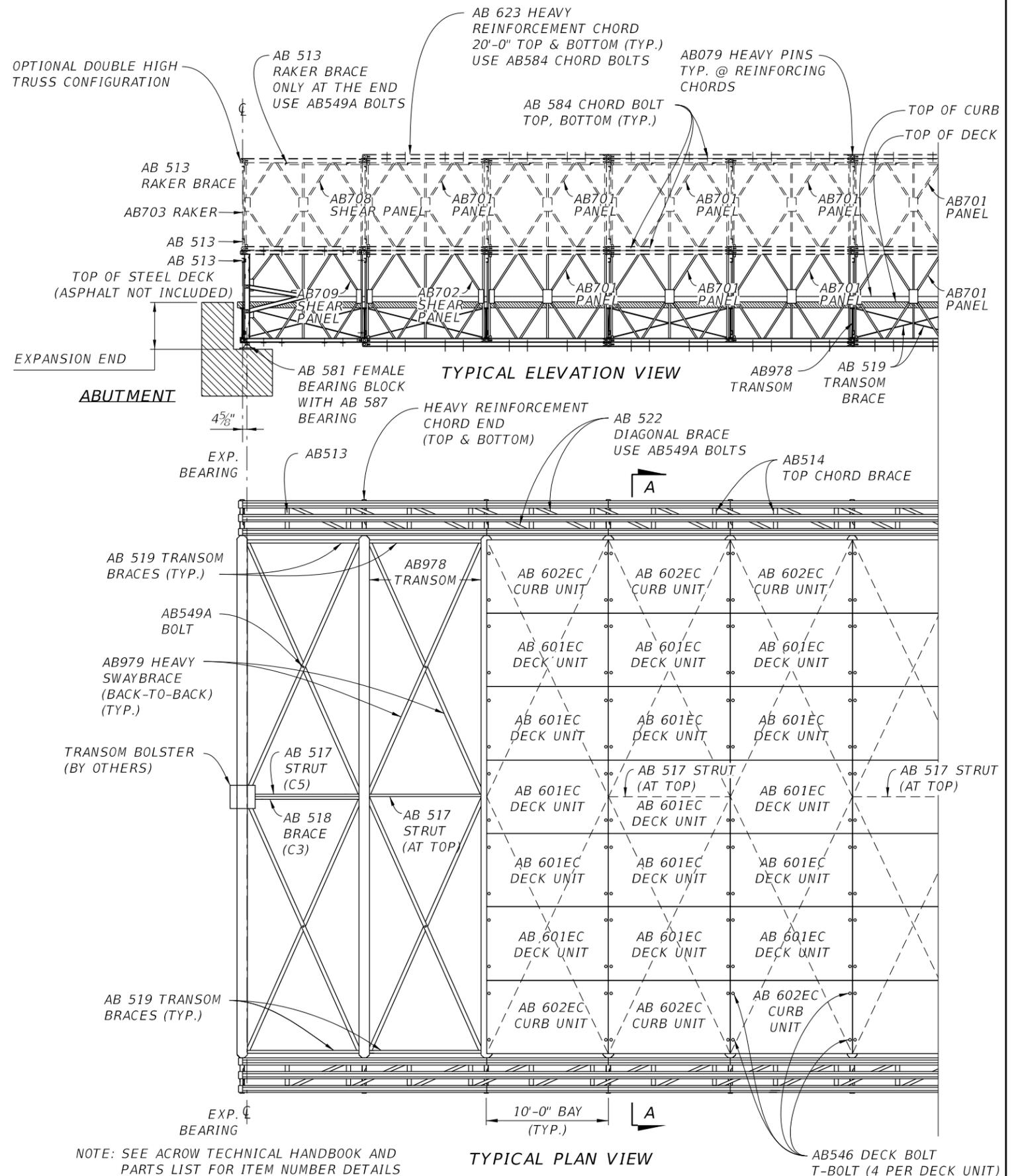
COATINGS: All Nuts, Bolts, Anchors, Washers and Backer Plates shall be hot-dip galvanized in accordance with the Specifications.

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.

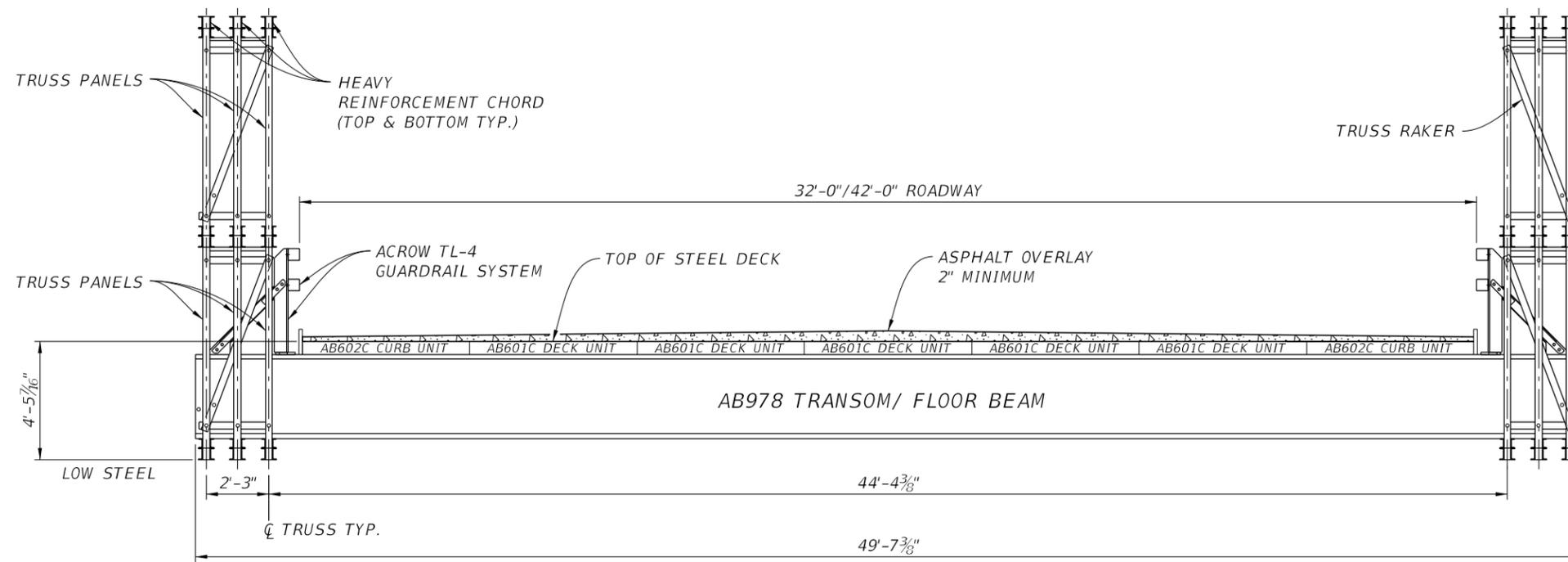
Furnish and install Bridge Thrie-Beam Panels and all associated hardware as shown. Payment will be made with the Temporary Detour Bridge under the Pay Item Special Detour, LS. Turn over Bridge Thrie-Beam Panels and all associated hardware to the Department with the Detour Bridge components per Specifications Section 102-6.



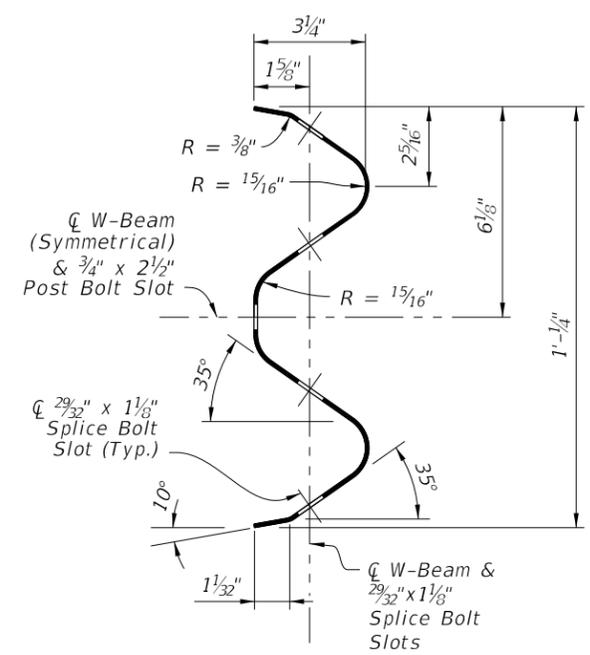
NOTE: SEE ACROW TECHNICAL HANDBOOK AND PARTS LIST FOR ITEM NUMBER DETAILS

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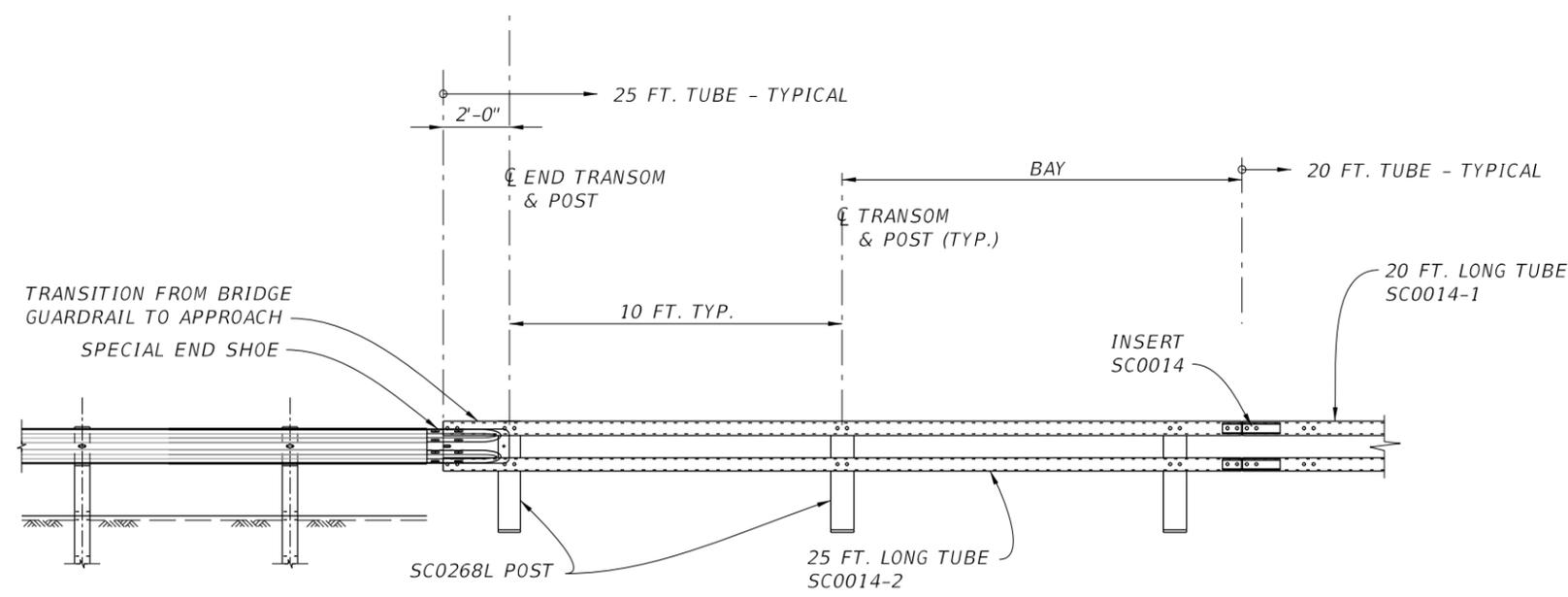
LAST REVISION 11/01/20	REVISION	DESCRIPTION:	 FY 2020-21 STANDARD PLANS	TEMPORARY ACROW 700XS SERIES DETOUR BRIDGE GENERAL NOTE AND DETAILS	INDEX 102-201	SHEET 1 of 4
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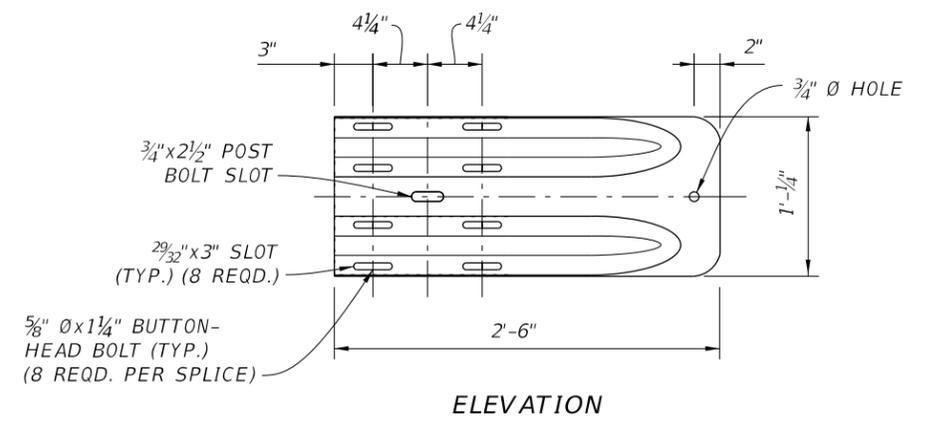
SECTION A-A



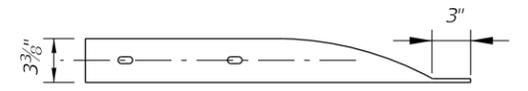
W-BEAM PANEL SECTION



GUARDRAIL LAYOUT - ELEVATION



ELEVATION



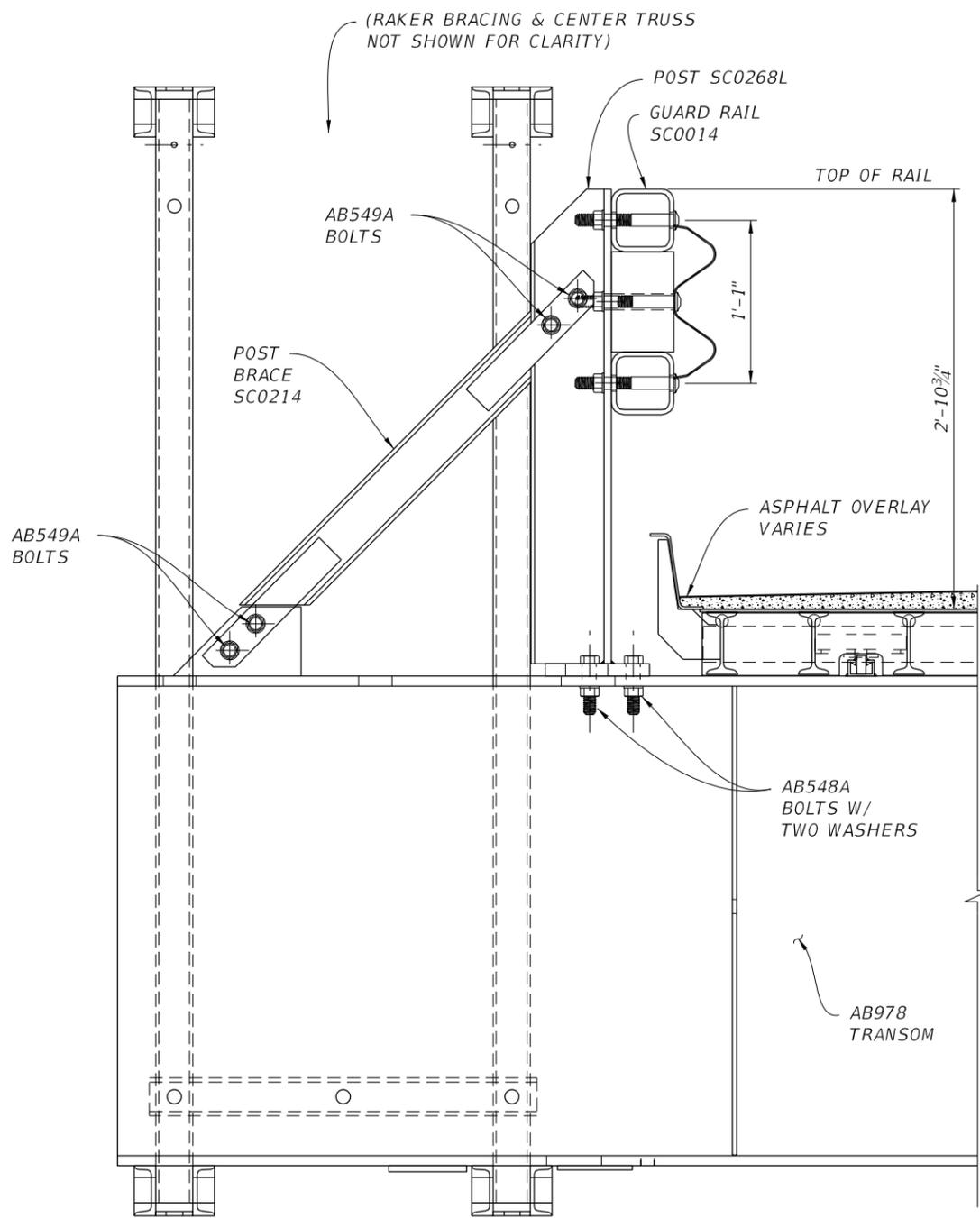
PLAN

SPECIAL END SHOE

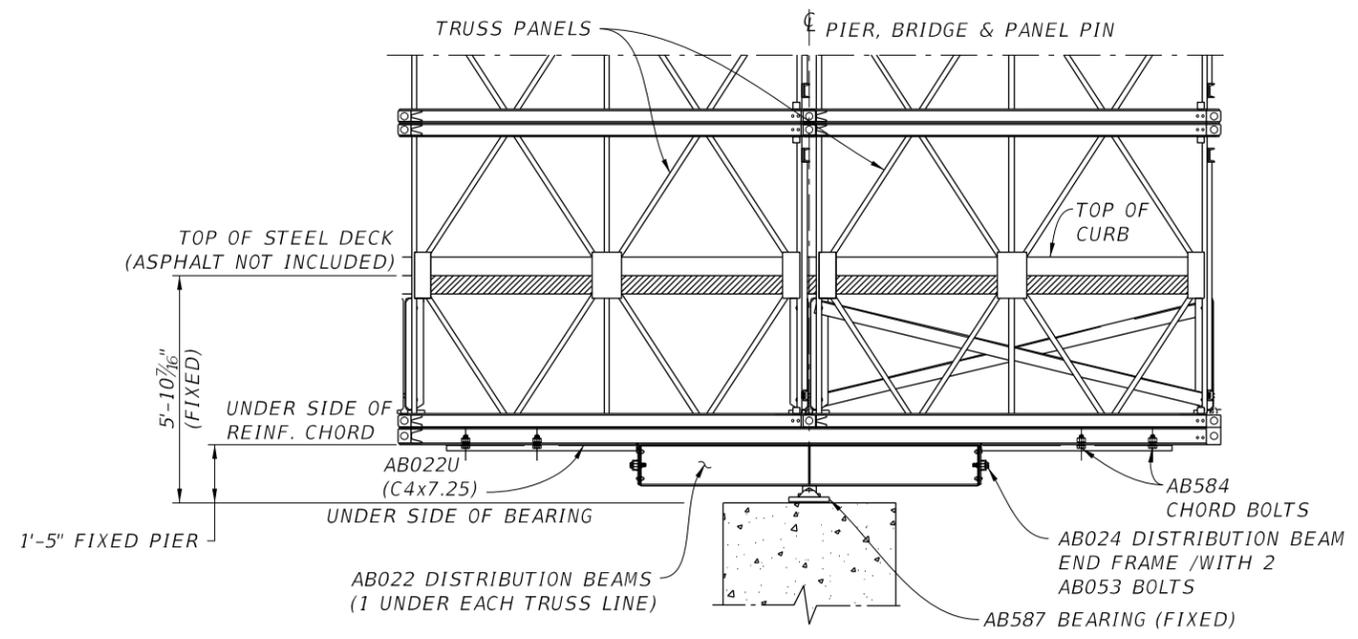
NOTE: SEE ACROW TECHNICAL HANDBOOK AND PARTS LIST FOR ITEM NUMBER DETAILS.

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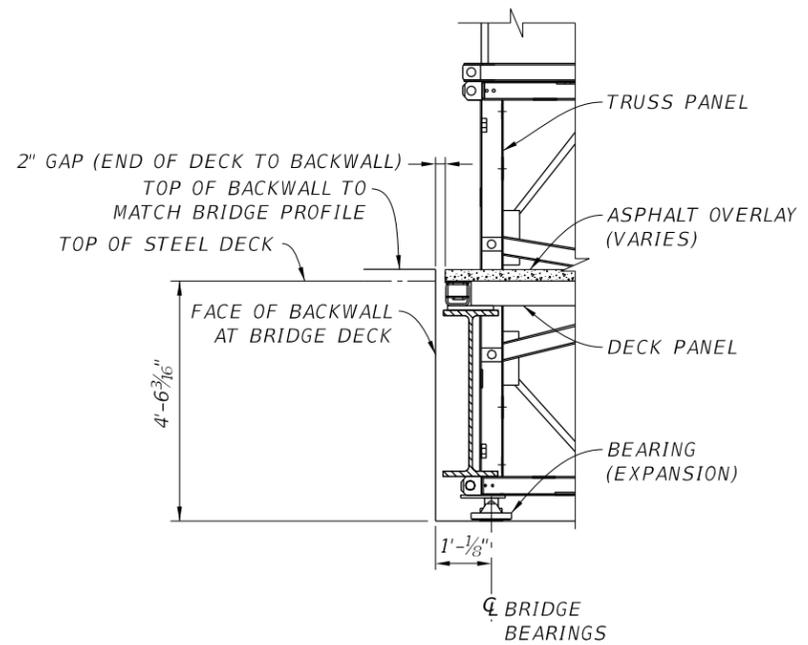
LAST REVISION	11/01/20	DESCRIPTION:		FY 2020-21 STANDARD PLANS	TEMPORARY ACROW SERIES 700XS DETOUR BRIDGE BEAM AND GUARDRAIL DETAILS	INDEX 102-201	SHEET 2 of 4
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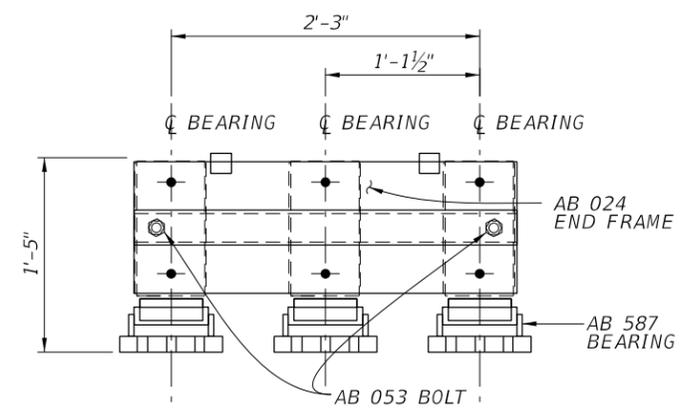
TYPICAL RAILING POST CONNECTION DETAIL



TYPICAL DETAIL AT



TYPICAL DETAIL AT ABUTMENTS

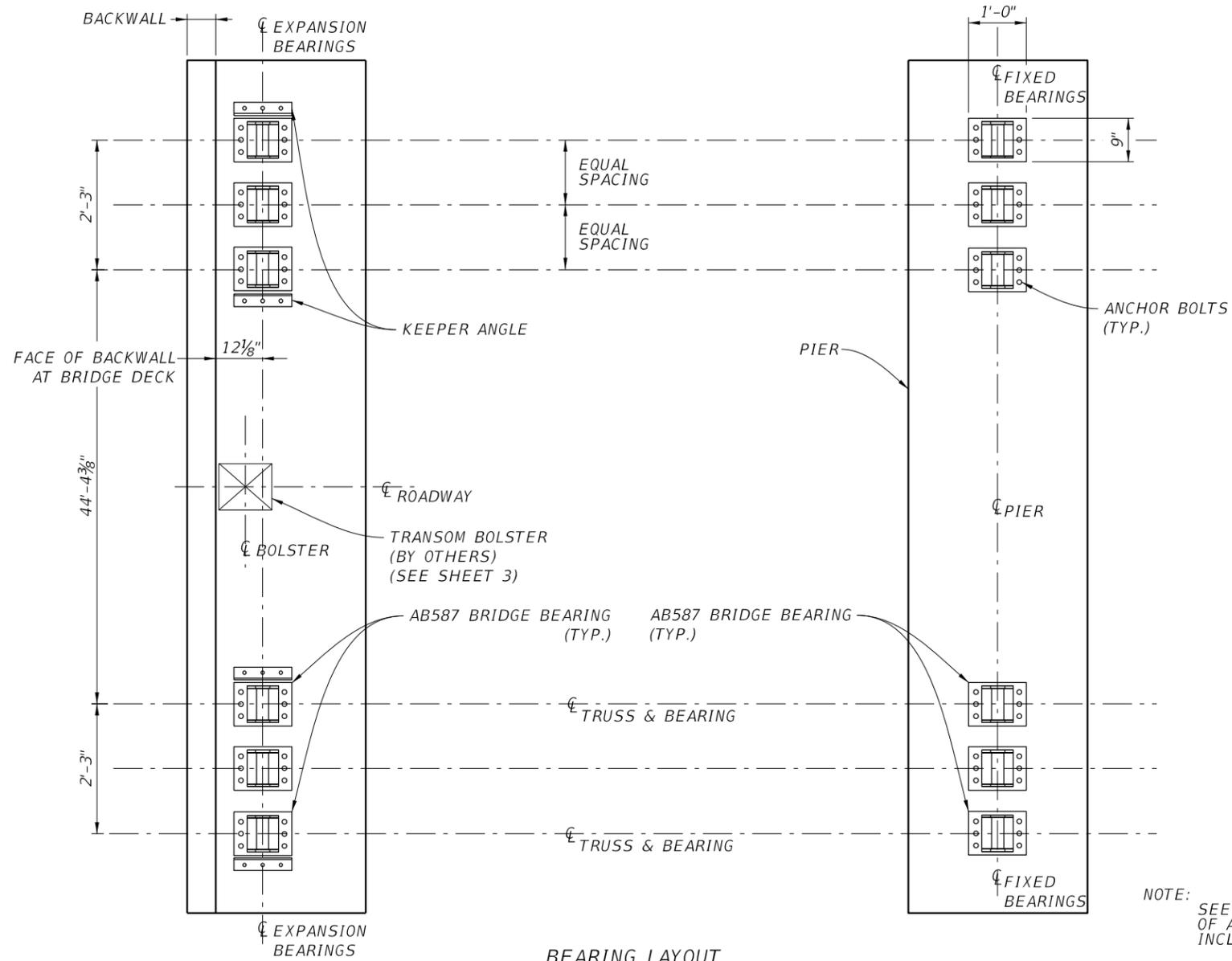


DISTRIBUTION BEAM DETAIL - SIDE VIEW

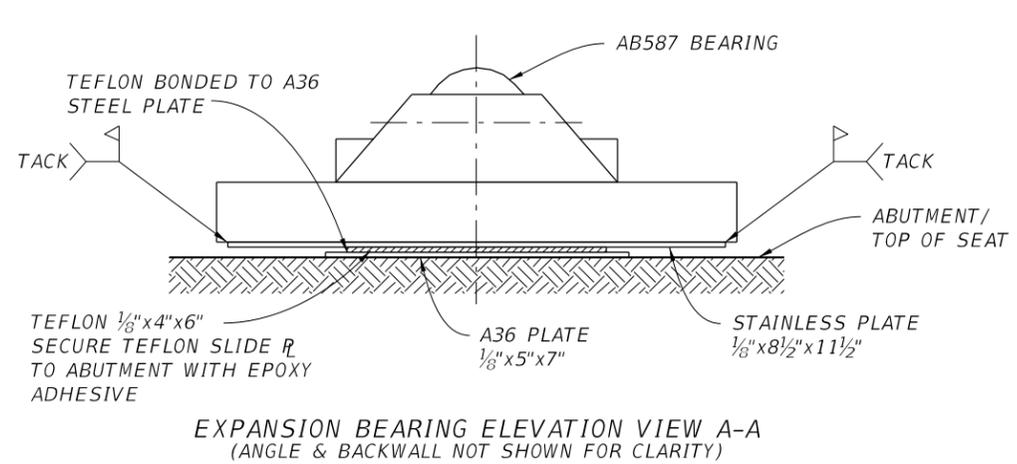
NOTE: SEE ACROW TECHNICAL HANDBOOK AND PARTS LIST FOR ITEM NUMBER DETAILS.

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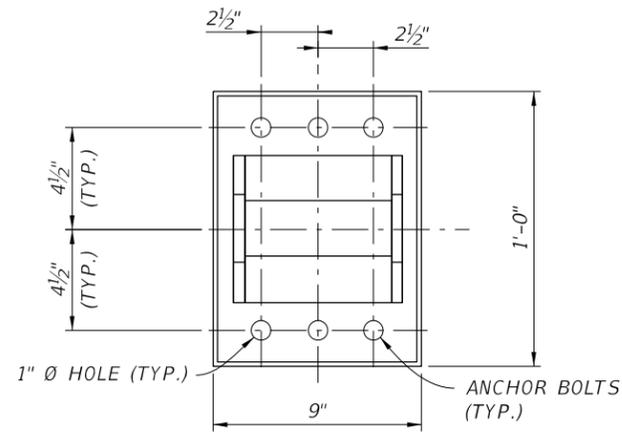
LAST REVISION 11/01/20	REVISION	DESCRIPTION:	 FY 2020-21 STANDARD PLANS	TEMPORARY ACROW SERIES 700XS DETOUR BRIDGE TYPICAL DETAILS	INDEX 102-201	SHEET 3 of 4
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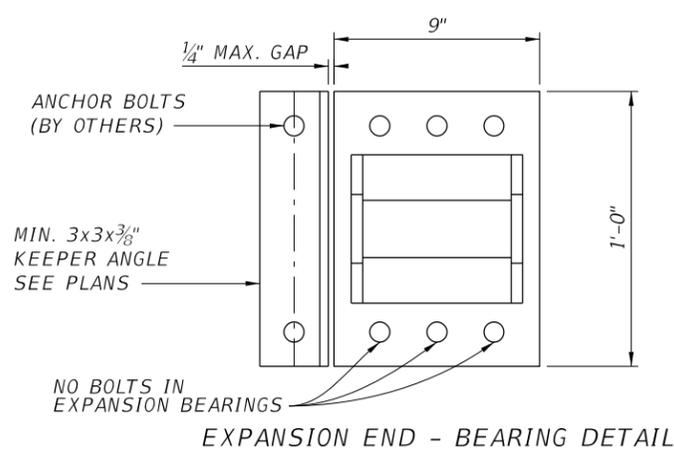
BEARING LAYOUT



EXPANSION BEARING ELEVATION VIEW A-A
(ANGLE & BACKWALL NOT SHOWN FOR CLARITY)



FIXED END - BEARING DETAIL



EXPANSION END - BEARING DETAIL

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LAST REVISION 11/01/20	REVISION	DESCRIPTION:	 FY 2020-21 STANDARD PLANS	TEMPORARY ACROW SERIES 700XS DETOUR BRIDGE BEARING LAYOUT AND DETAILS	INDEX 102-201	SHEET 4 of 4
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