
ORIGINATION FORM

Proposed Revisions to a Standard Plans Index

(Please provide all information — Incomplete forms will be returned)

Contact Information:

Date: July 6, 2022
Originator: David Wagner
Phone: (850) 414-4141
Email: david.wagner@dot.state.fl.us

Standard Plans:

Index Number: 630-010
Sheet Number (s): 2, 3, 4
Index Title: Conduit Details - Embedded

Summary of the changes:

Sheet 2: Changed the conduit to extend the run of conduit that exists in the barrier/traffic rail to the longitudinal end of the barrier/traffic rail. Added note indicating end of rail.

Sheet 3: Added note indicating end of rail.

Sheet 4: Changed the conduit to extend the run of conduit that exists in the barrier/traffic rail to the longitudinal end of the barrier/traffic rail. Added note indicating end of rail.

Commentary / Background:

Reason for the change comes from a request from industry. Contractor's weren't getting paid for the amount of conduit embedded in bridge rails after the last embedded junction box and exiting the traffic railing because it was being treated as incidental, but for some bridges was actually a fair percentage of the cost for the conduit payment item. The proposed Standard Plans change goes along with the submitted Spec language change in 630-4 and will present visual representation for clarity.

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

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Standard Plans –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	FDOT Design Manual –
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Basis of Estimates Manual – Ryan Gray
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Standard Specifications – Richard Stepp
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Approved Product List –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Construction –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Maintenance –

Origination Package Includes: (Submit package to Rick Jenkins)

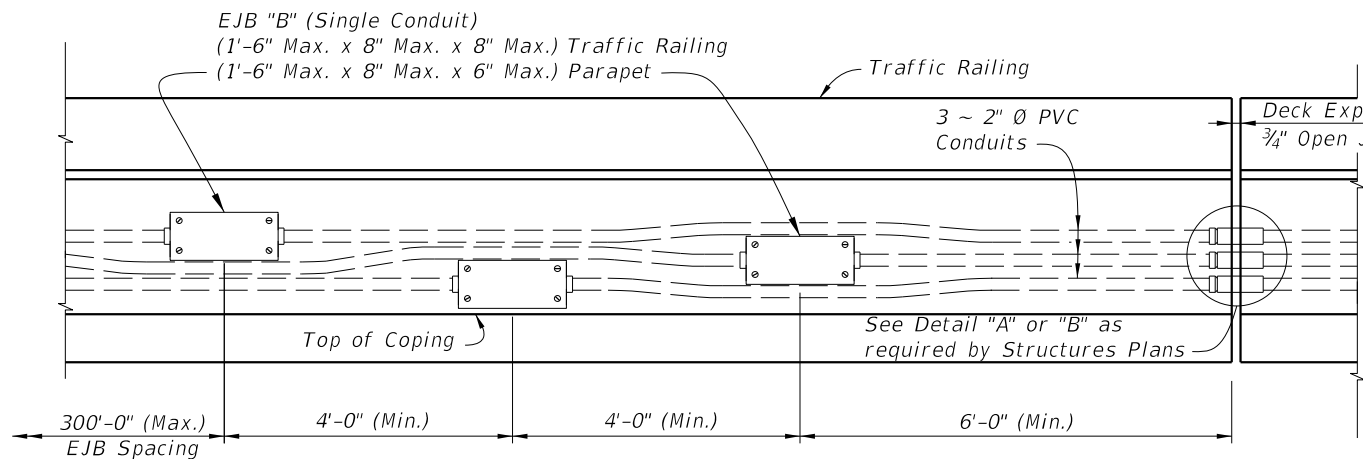
Yes	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Redline Mark-ups
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Revised or Proposed Standard Plan Instruction (SPI)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Support Documents

Implementation:

<input type="checkbox"/>	Design Bulletin (Interim)
<input type="checkbox"/>	DCE Memo
<input type="checkbox"/>	Program Mgmt. Bulletin
<input checked="" type="checkbox"/>	FY-Standard Plans (Next Release)

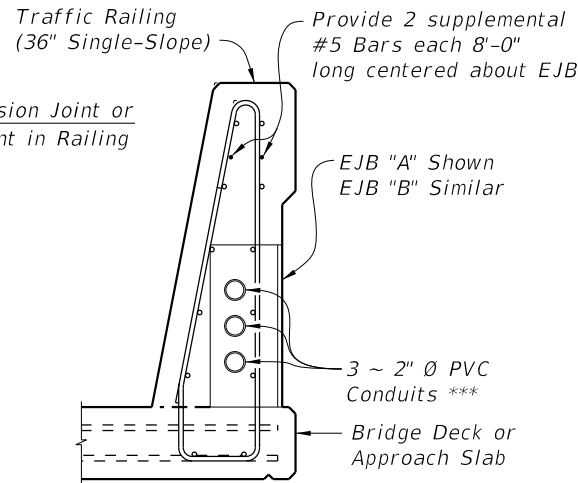
Contact the Roadway Design Office for assistance in completing this form

Email to: Rick Jenkins rick.jenkins@dot.state.fl.us and Darren Martin darren.martin@dot.state.fl.us

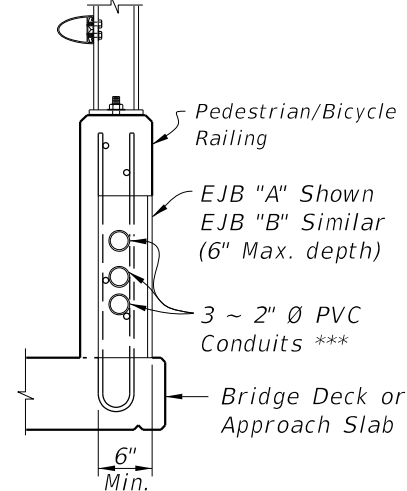


EJB "B" DETAIL

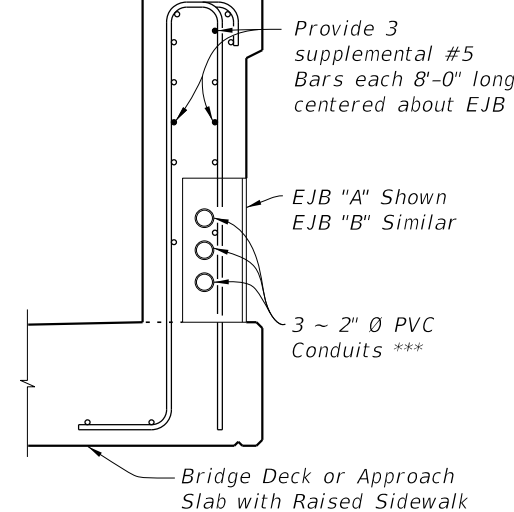
* 36" Single-Slope Traffic Railing shown, other Traffic Railings and Pedestrian/Bicycle Railings similar.
 ** EJB "A" shown, EJB "B" similar. See EJB "B" Detail.
 *** See Sheet 1, Note 5.



SECTION THRU TRAFFIC RAILING AT EJB (36" SINGLE-SLOPE SHOWN, 42" SINGLE-SLOPE SIMILAR)

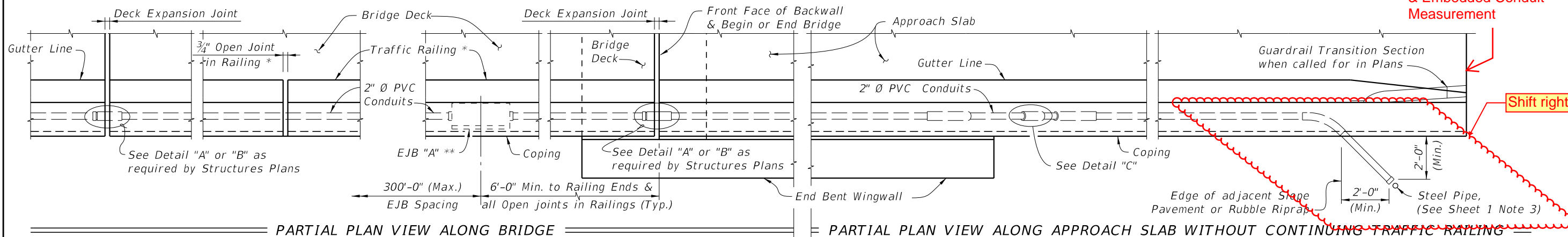


SECTION THRU PEDESTRIAN / BICYCLE RAILING AT EJB



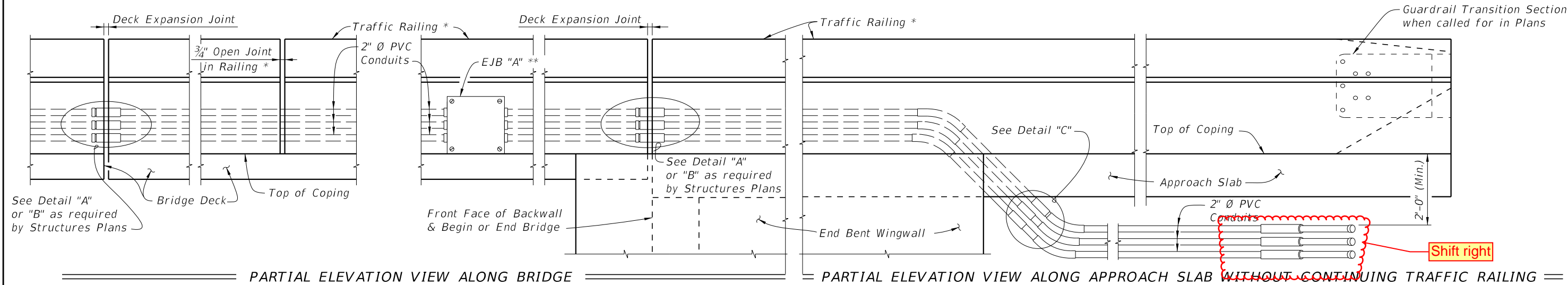
SECTION THRU TRAFFIC RAILING AT EJB (42" VERTICAL SHAPE SHOWN, 32" VERTICAL SHAPE SIMILAR)

Begin/End Traffic Railing & Embedded Conduit Measurement



PARTIAL PLAN VIEW ALONG BRIDGE

PARTIAL PLAN VIEW ALONG APPROACH SLAB WITHOUT CONTINUING TRAFFIC RAILING



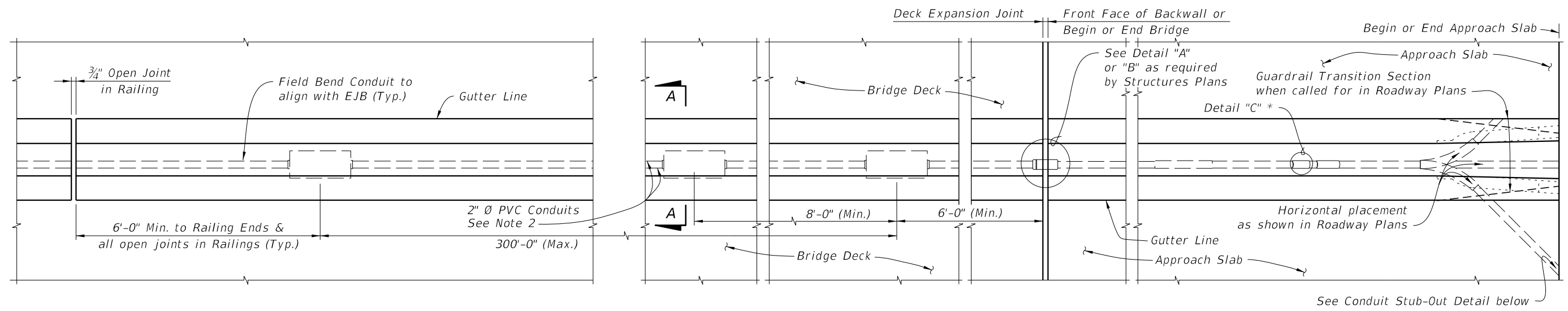
PARTIAL ELEVATION VIEW ALONG BRIDGE

PARTIAL ELEVATION VIEW ALONG APPROACH SLAB WITHOUT CONTINUING TRAFFIC RAILING

BRIDGE AND APPROACH SLAB WITH EDGE RAILING

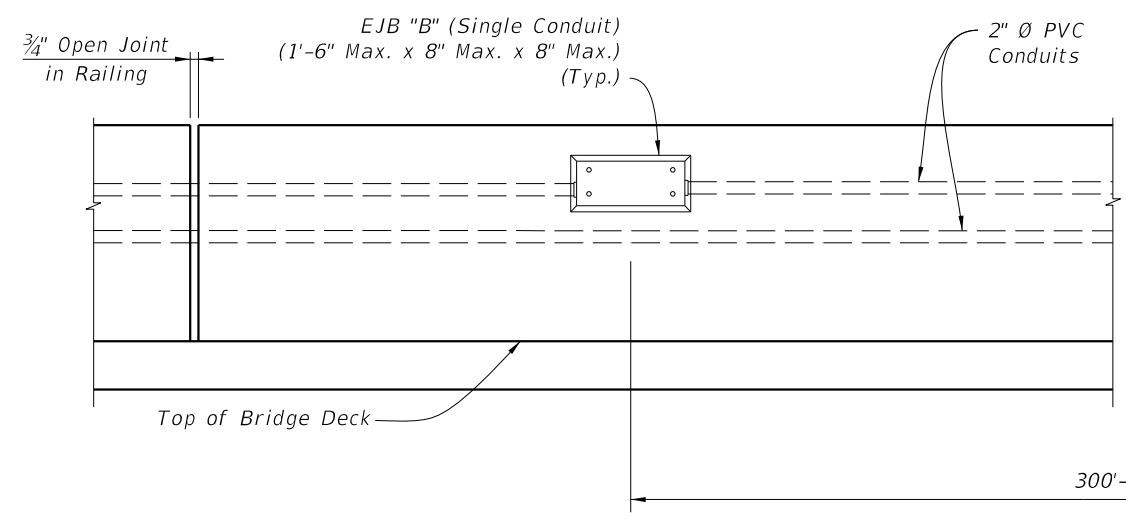
9/23/2021 9:43:42 AM

LAST REVISION 11/01/17	REVISION	DESCRIPTION:		FY 2022-23 STANDARD PLANS	CONDUIT DETAILS - EMBEDDED	INDEX 630-010	SHEET 2 of 4
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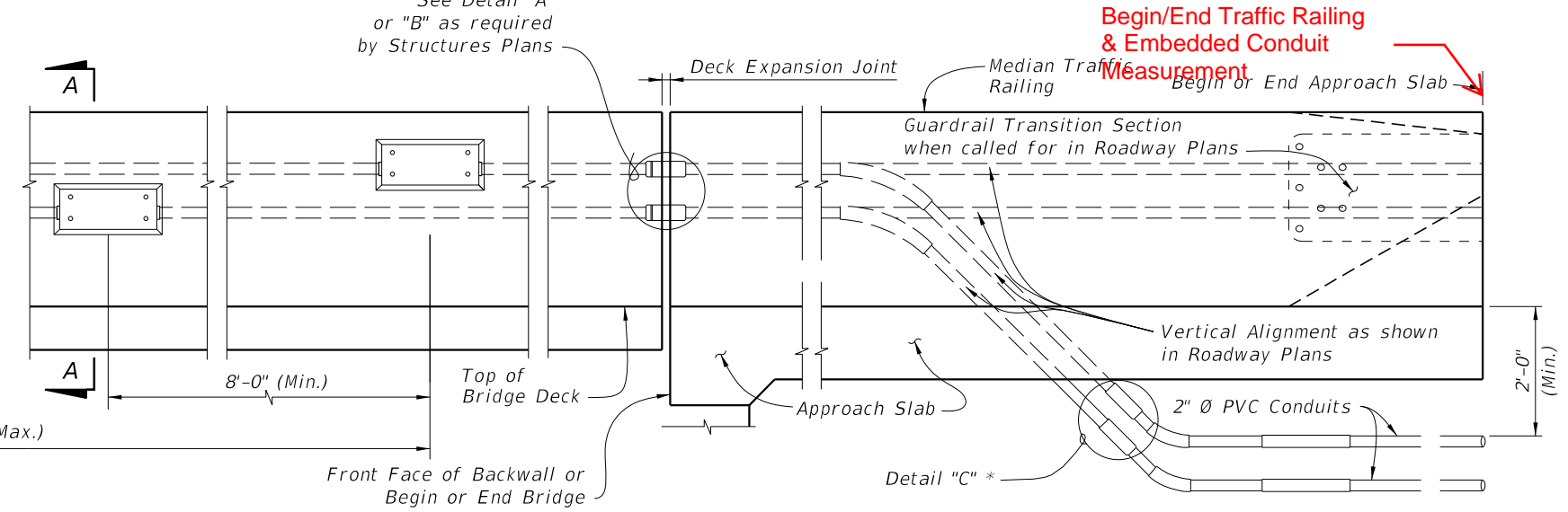


PARTIAL PLAN VIEW OF MEDIAN TRAFFIC RAILING ALONG BRIDGE

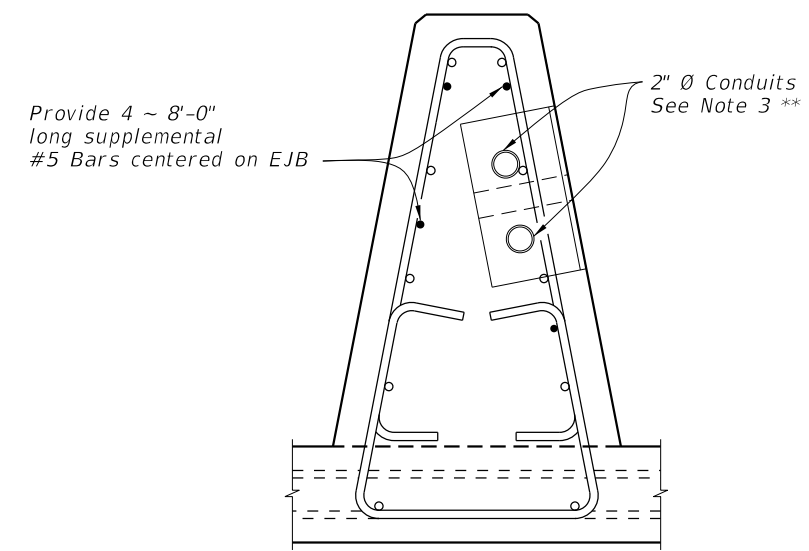
PARTIAL PLAN VIEW OF MEDIAN TRAFFIC RAILING ALONG APPROACH SLAB



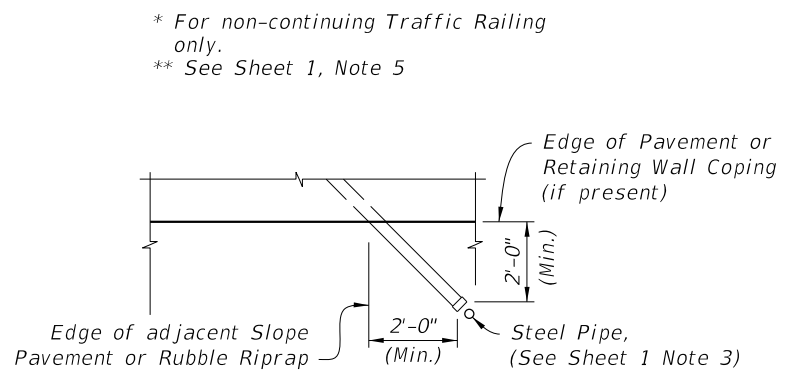
PARTIAL ELEVATION VIEW OF MEDIAN TRAFFIC RAILING ALONG BRIDGE



PARTIAL ELEVATION VIEW OF MEDIAN TRAFFIC RAILING ALONG APPROACH SLAB



SECTION A-A
Median Traffic Railing (See Note 4)



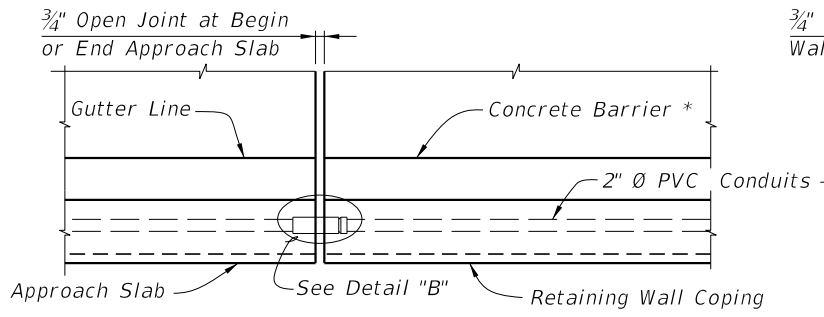
CONDUIT STUB-OUT DETAIL

- NOTES:
1. Work this sheet with Index 521-426.
 2. Adjust Conduit horizontally and vertically as necessary to align with EJB "B".
 3. When installed in traffic face of a railing, use EJB "B" with a minimum 3/8 inch thick galvanized steel cover.
 4. Position EJB such that, with gasket and cover plate secured and in place, cover plate is flush with the railing face. Flush is +1/8 inch to -1/4 inch measured with a horizontal straightedge.

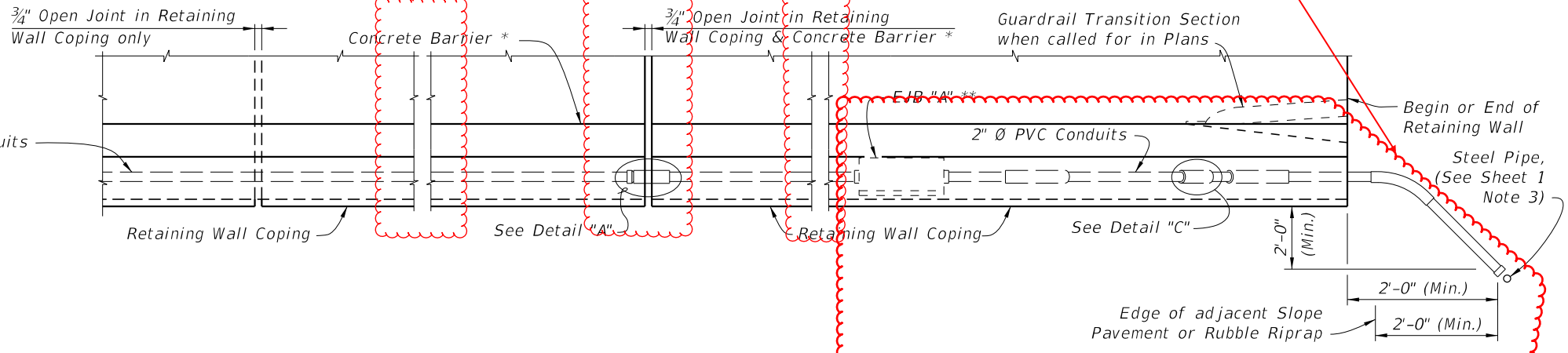
BRIDGE AND APPROACH SLAB WITH MEDIAN TRAFFIC RAILING

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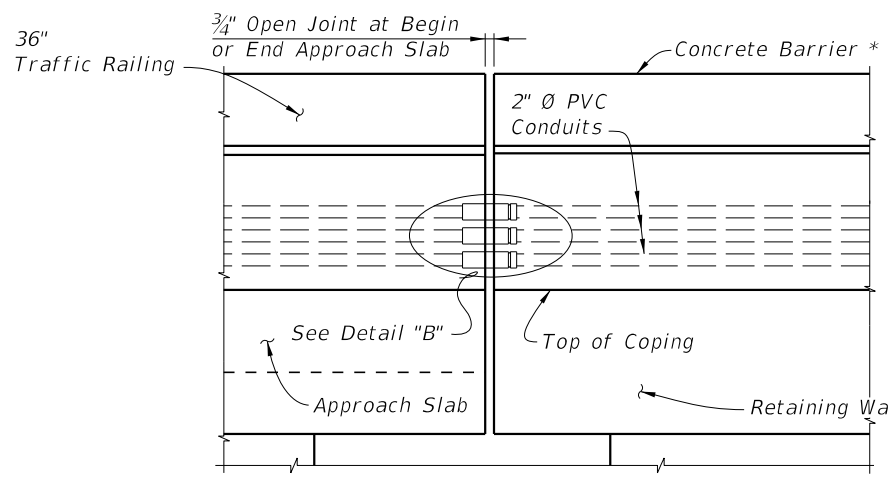
LAST REVISION 11/01/17	REVISION	DESCRIPTION:		FY 2022-23 STANDARD PLANS	CONDUIT DETAILS - EMBEDDED	INDEX 630-010	SHEET 3 of 4
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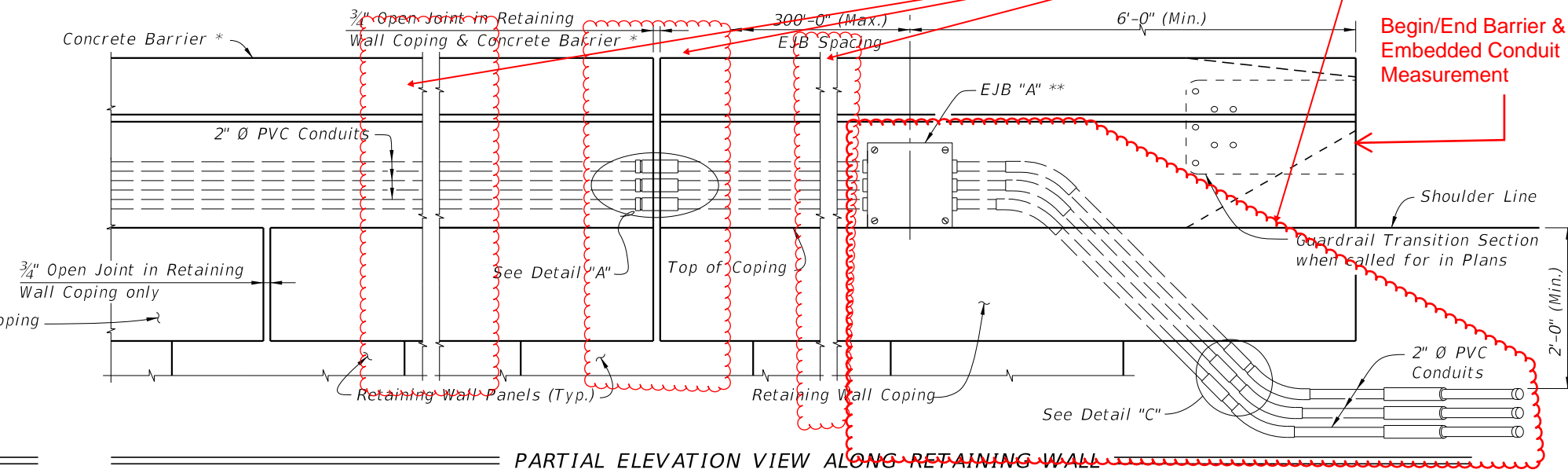
PARTIAL PLAN VIEW ALONG APPROACH SLAB WITH CONTINUING CONCRETE BARRIER



PARTIAL PLAN VIEW ALONG RETAINING WALL



PARTIAL ELEVATION VIEW ALONG APPROACH SLAB WITH CONTINUING Concrete Barrier (Retaining Wall Mounted Concrete Barrier shown, Traffic Railing similar)



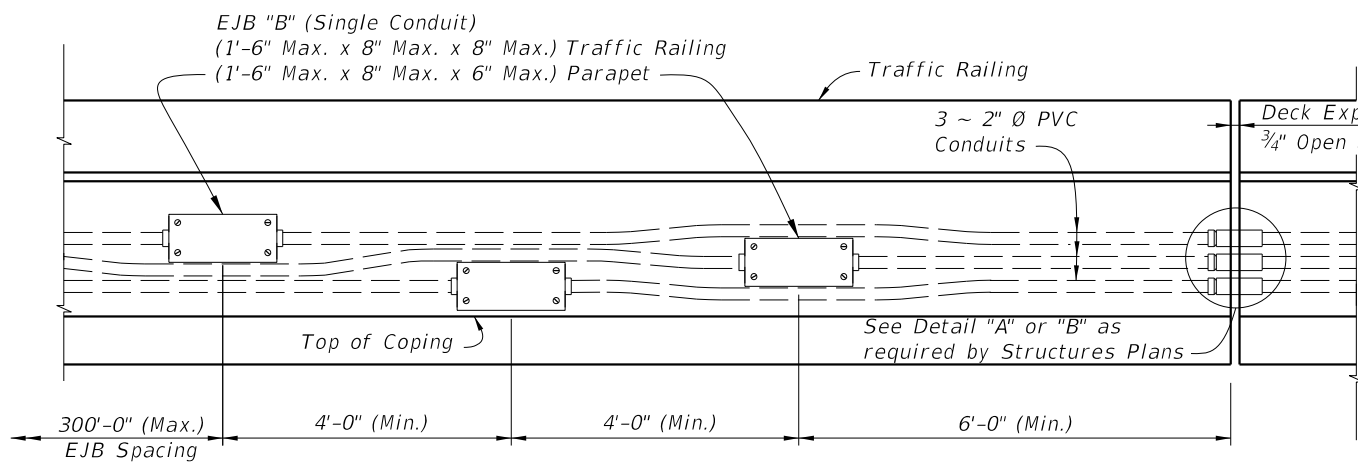
PARTIAL ELEVATION VIEW ALONG RETAINING WALL

* Index 521-610 Concrete Barrier/Junction Slab shown, other railings and parapets similar.
 ** EJB "A" shown EJB "B" similar. See EJB "B" Detail on Sheet 2.

APPROACH SLAB AND RETAINING WALL WITH CONCRETE BARRIER

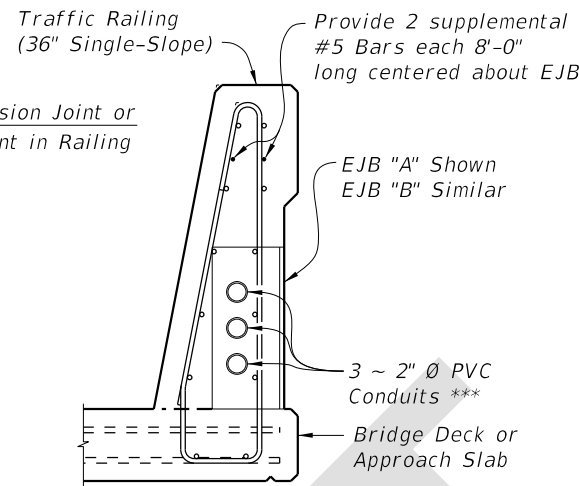
LAST REVISION	REVISION	DESCRIPTION:	 FY 2022-23 STANDARD PLANS	CONDUIT DETAILS - EMBEDDED	INDEX 630-010	SHEET 4 of 4
11/01/18						

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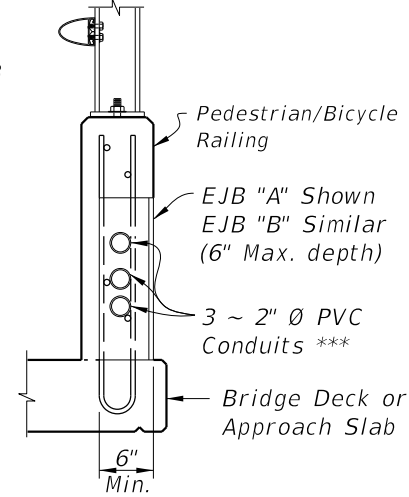


EJB "B" DETAIL

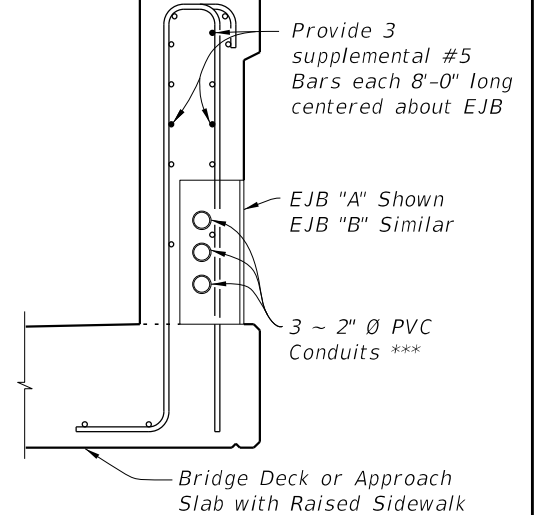
* 36" Single-Slope Traffic Railing shown, other Traffic Railings and Pedestrian/Bicycle Railings similar.
 ** EJB "A" shown, EJB "B" similar. See EJB "B" Detail.
 *** See Sheet 1, Note 5.



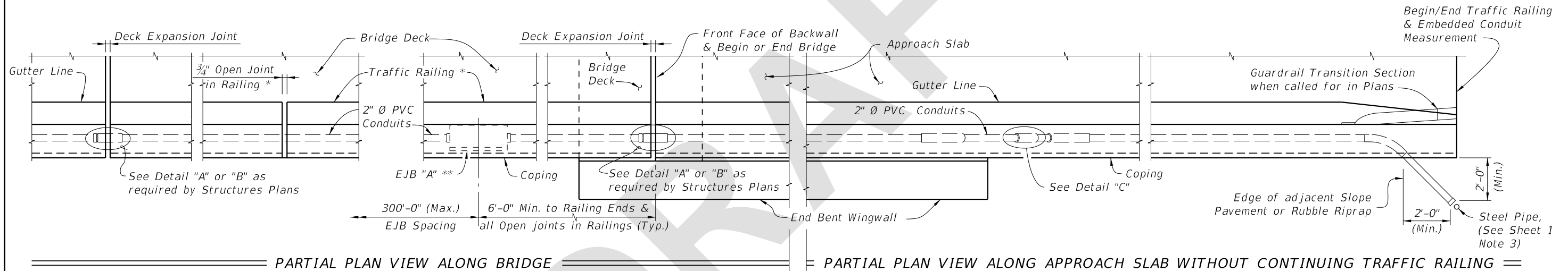
SECTION THRU TRAFFIC RAILING AT EJB (36" SINGLE-SLOPE SHOWN, 42" SINGLE-SLOPE SIMILAR)



SECTION THRU PEDESTRIAN / BICYCLE RAILING AT EJB

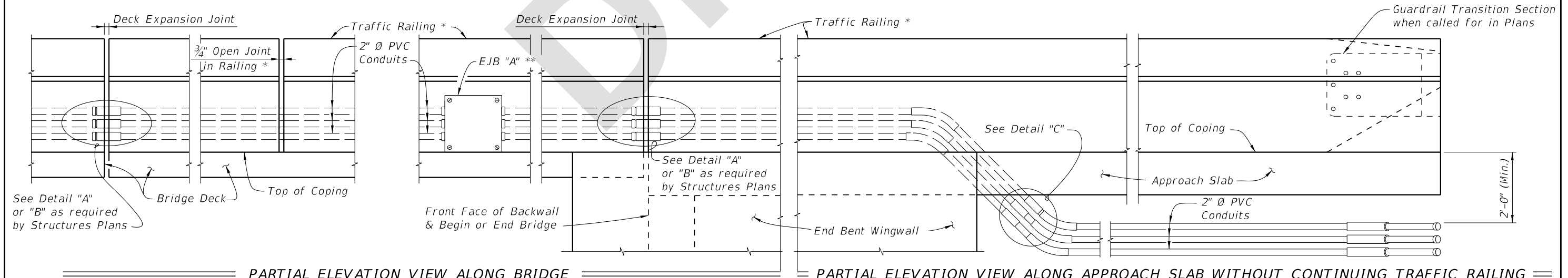


SECTION THRU TRAFFIC RAILING AT EJB (42" VERTICAL SHAPE SHOWN, 32" VERTICAL SHAPE SIMILAR)



PARTIAL PLAN VIEW ALONG BRIDGE

PARTIAL PLAN VIEW ALONG APPROACH SLAB WITHOUT CONTINUING TRAFFIC RAILING




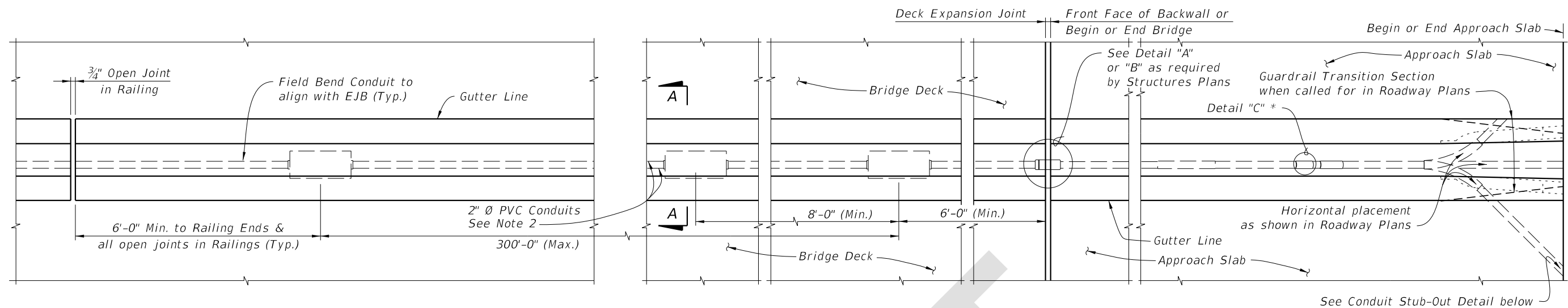
PARTIAL ELEVATION VIEW ALONG BRIDGE

PARTIAL ELEVATION VIEW ALONG APPROACH SLAB WITHOUT CONTINUING TRAFFIC RAILING

BRIDGE AND APPROACH SLAB WITH EDGE RAILING

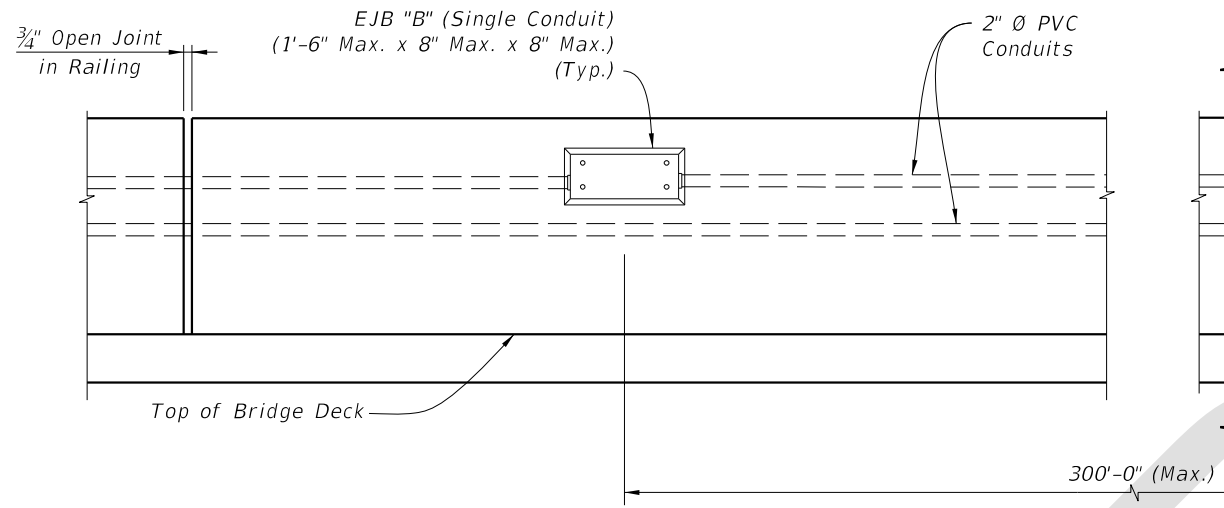
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LAST REVISION 11/01/22	REVISION	DESCRIPTION:	 FY 2023-24 STANDARD PLANS	CONDUIT DETAILS - EMBEDDED	INDEX 630-010	SHEET 2 of 4
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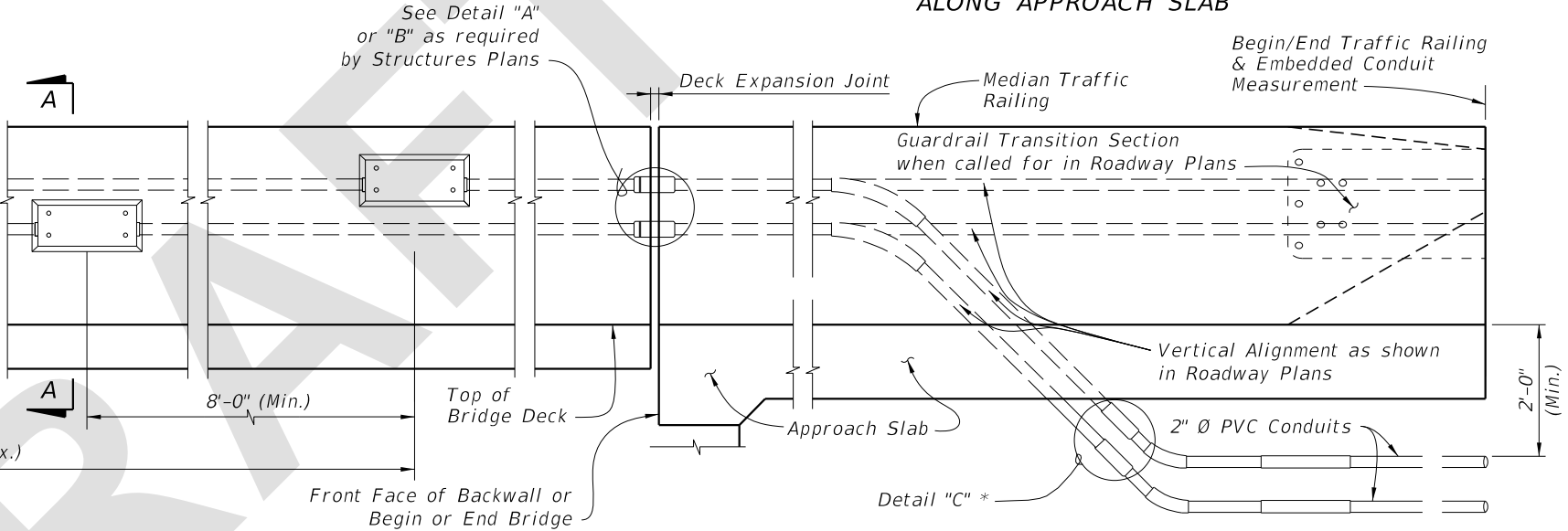


PARTIAL PLAN VIEW OF MEDIAN TRAFFIC RAILING ALONG BRIDGE

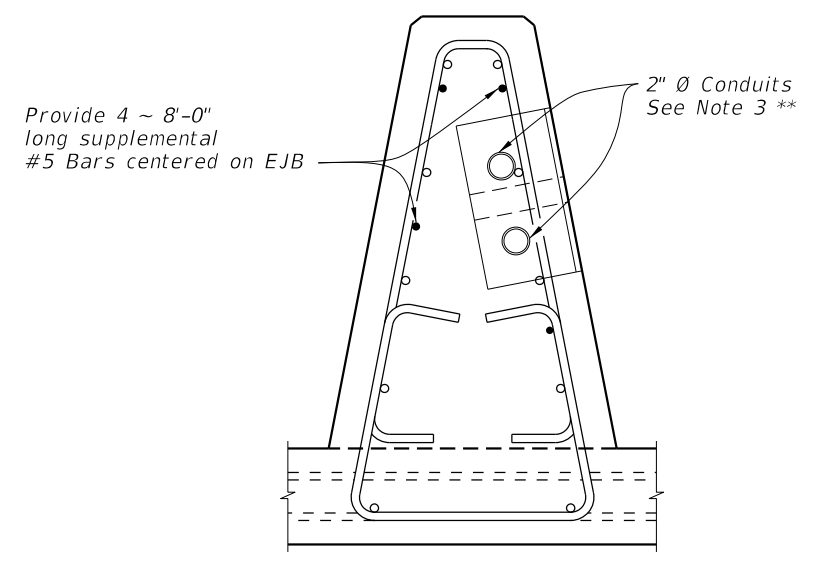
PARTIAL PLAN VIEW OF MEDIAN TRAFFIC RAILING ALONG APPROACH SLAB



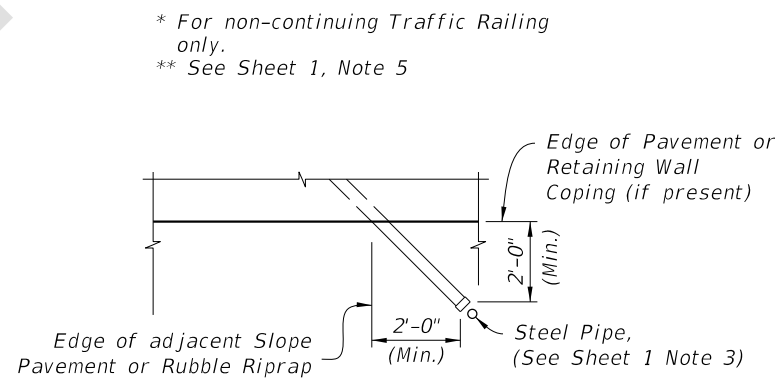
PARTIAL ELEVATION VIEW OF MEDIAN TRAFFIC RAILING ALONG BRIDGE



PARTIAL ELEVATION VIEW OF MEDIAN TRAFFIC RAILING ALONG APPROACH SLAB



SECTION A-A
Median Traffic Railing (See Note 4)



CONDUIT STUB-OUT DETAIL

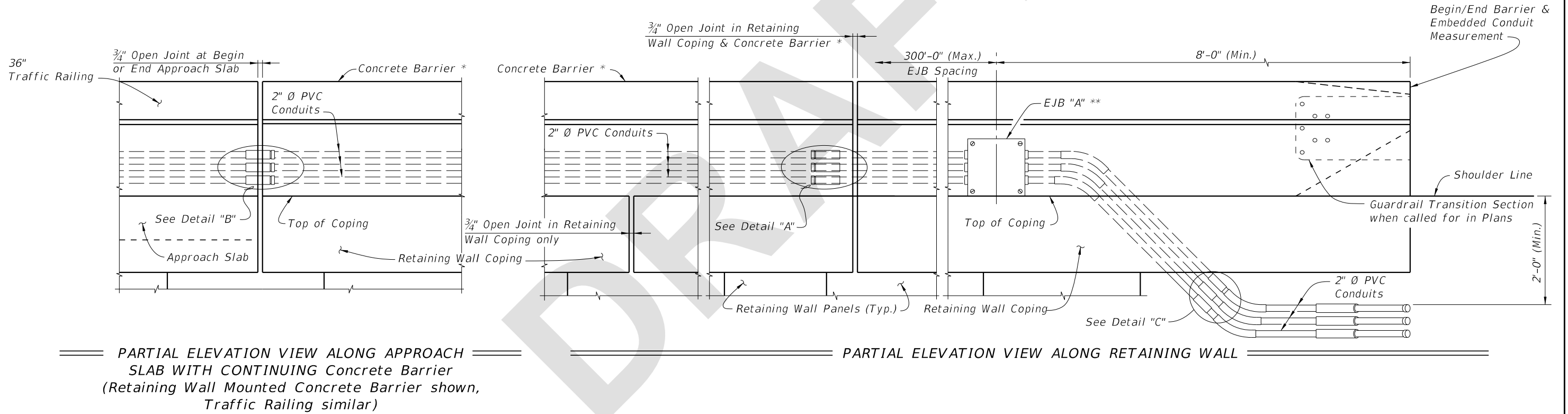
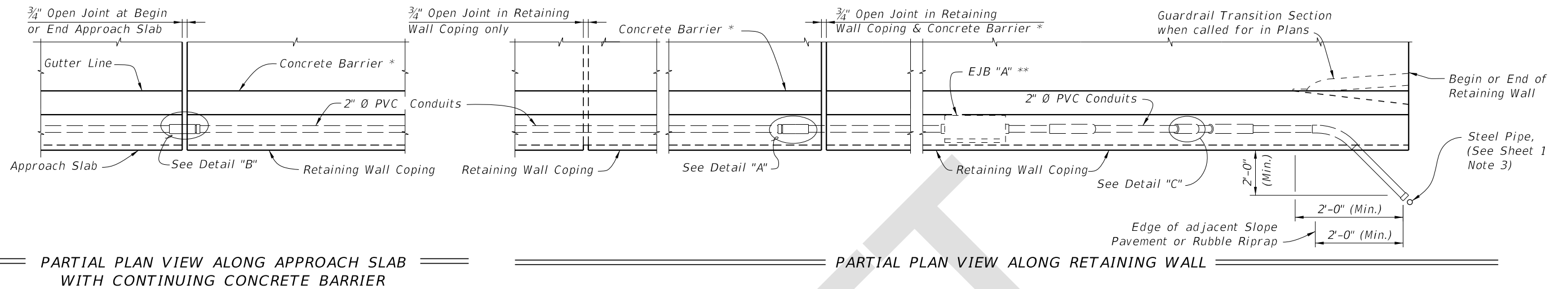
* For non-continuing Traffic Railing only.
** See Sheet 1, Note 5

- NOTES:
1. Work this sheet with Index 521-426.
 2. Adjust Conduit horizontally and vertically as necessary to align with EJB "B".
 3. When installed in traffic face of a railing, use EJB "B" with a minimum 3/8" thick galvanized steel cover.
 4. Position EJB such that, with gasket and cover plate secured and in place, cover plate is flush with the railing face. Flush is +1/8" to -1/4" measured with a horizontal straightedge.

BRIDGE AND APPROACH SLAB WITH MEDIAN TRAFFIC RAILING


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* Index 521-610 Concrete Barrier/Junction Slab shown, other railings and parapets similar.
 ** EJB "A" shown EJB "B" similar. See EJB "B" Detail on Sheet 2.

APPROACH SLAB AND RETAINING WALL WITH CONCRETE BARRIER

LAST REVISION 11/01/22	REVISION	DESCRIPTION:	 FY 2023-24 STANDARD PLANS	CONDUIT DETAILS - EMBEDDED	INDEX 630-010	SHEET 4 of 4
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