## **Origination Form** Proposed Revisions to a Standard Plans Index

Originator:	Turley, Joshua	Index Number:	630-010
Date:	5/15/2025	Sheet Number(s):	Sheets 1,2,4
E-mail:	Joshua.Turley@dot.state.fl.us	Index Title:	CONDUIT DETAILS - EMBEDDED

### Summary of the changes:

Sheet 1: Added to note 5 a max height to conduit.

Sheet 2: Added a max elevation for conduit in EJB "B" DETAIL and PARTIAL ELEVATION VIEW ALONG BRIDGE Sheet 4: Added a max elevation for conduit in PARTIAL ELEVATION VIEW ALONG APPROACH

#### Commentary/Background:

Conduit height in the barrier is being limited to avoid conflicts with conduits when drilling holes for anchorage. This aligns with changes to Index 700-012, where the sign mounting plate was raised.

Other Affected Documents/Offices	Person Contacted	Affected (Yes/No)
Other Standard Plans		No
FDOT Design Manual		No
Standard Specifications		No
Basis of Estimates Manual		No
Approved Product List		No
Construction Office		No
Maintenance Office		No

# Implementation ["FY-Standard Plans (Next Release)"]

#### CONDUIT GENERAL NOTES:

- 1. Furnish and install approved Conduits, Fittings and Embedded Junction Boxes (EBJ's) in accordance with Specification Sections 630 and 635, this Standard, the National Electric Code (NEC) and as directed by the Engineer.
- 2. Furnish and install Embedded Junction Boxes (EJB) with weatherproof covers sized in accordance with NEC requirements and the maximum size limits shown. Install EJB adjacent to the Begin and End of Bridges, Begin and End of Retaining Walls, (except omit EJB adjacent to the Bridge unless a precast Traffic Railing with junction slab is used), and at other locations as necessary to maintain 300 foot maximum spacing. See Plans for additional locations and details.
- 3. For Conduit not designated for future use, see Plans for details. For Conduit designated for future use, stub out and cap the Conduit. Drive a 3'-0" $\pm$  long  $\frac{3}{2}$ " (min.) diameter Steel Pipe flush with the ground line adjacent to the end of the Conduit as shown on Sheets 2, 3 or 4. Provide the location of the stub out with Steel Pipe to the Engineer for inclusion on the As-Built Plans.
- 4. Shift vertical Railing reinforcement symmetrically to provide 2" clearance to EJB. Space shifted vertical reinforcement at minimum 3" centers. Cut horizontal Railing reinforcement to provide 2" clearance to EJB and provide supplemental reinforcement as shown. To facilitate placement of Conduit, Expansion Fittings, and Expansion/Deflection Fittings, shift reinforcing a maximum of 1" but do not cut railing reinforcing to facilitate Conduit or Fittings. Do not bundle Couduits or Conduit and horizontal ceinforcement
- 5. Place conduits as indicated in this Standard unless Structures Plans indicate fewer. Max elevation of the top of conduit is 1'-6" above top of coping for traffic barriers and 1'-2" for parapets.

Updated Note



EJB "A" Double or Triple Conduit (Maximum Dimensions)



LAST

\* Reduce to 6" maximum when installed in Pedestrian/ Bicycle Railings.



EJB "B" Single Conduit (Maximum Dimensions)

**GENERAL** 

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DESCRIPTION: LAST REVISION

11/01/25



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EJB "B" Single Conduit (Maximum Dimensions)



