ORIGINATION FORM

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

Contact Information:

Standard Plans:

Date: September 5, 2017 Originator: **Richard Stepp** Phone: (850) 414-4313 Email: richard.stepp@dot.state.fl.us Index Number: **218** Sheet Number (s): 1,2 Index Title: Barrier Wall Inlet

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Summary of the changes:

1. Update concrete sections for new Single-Slope Barrier.

2. Change Index name to "Shoulder Barrier Inlet" to more clearly describe application with regards to the new Single-Slope Concrete Barrier Index.

Commentary / Background:

This is part of the Index redevelopment project for Single-Slope Concrete Barrier and Pier Protection Barrier.

Other Affected Offices / Documents: (Provide name of responsible personnel)

- 🔽 🔲 Other Standard Plans Richard Stepp
- 🔲 🗹 FDOT Design Manual –

Yes

No

- 🔲 🗹 Basis of Estimates Manual –
- 🔲 🔽 Standard Specifications –
- Approved Product List –
- Construction –
- Maintenance –

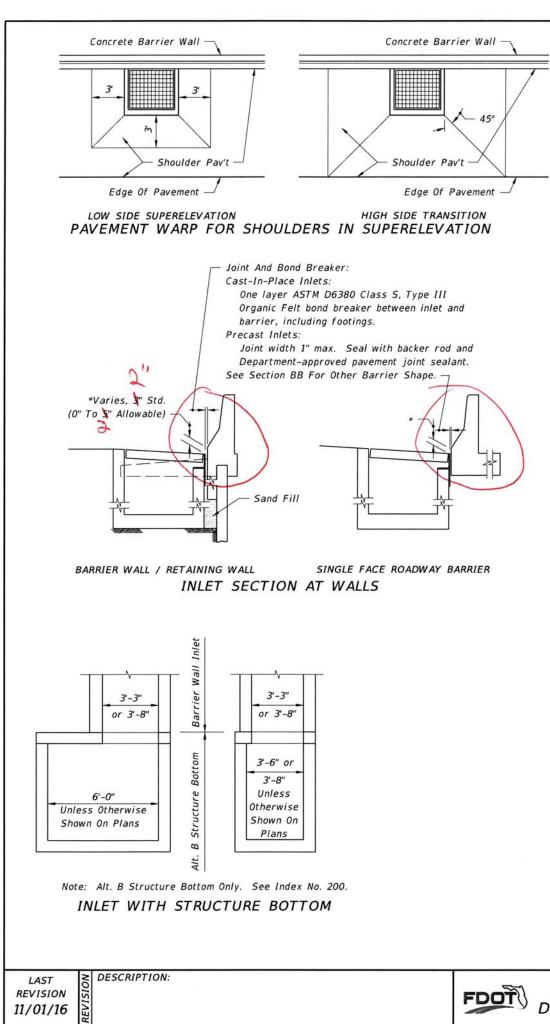
Origination Package Includes: (Email or hand deliver package to Derwood Sheppard)

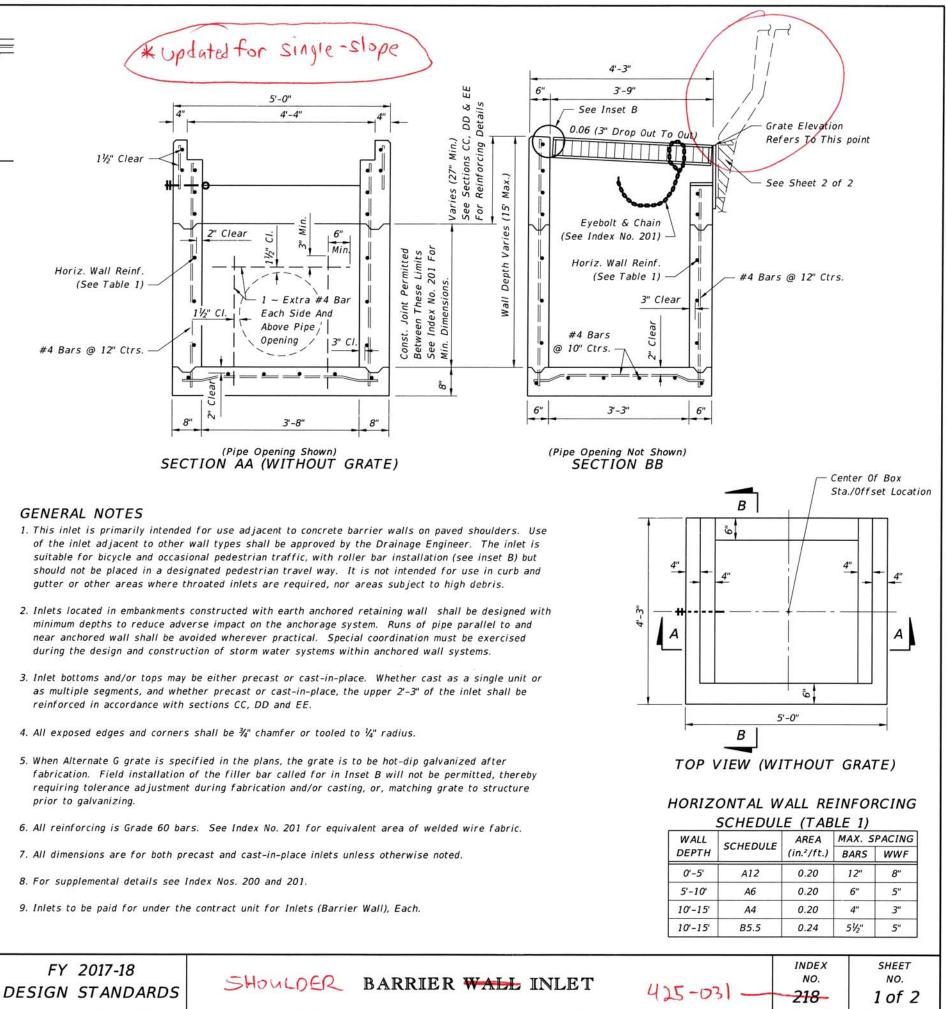
- Yes N/A

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- Proposed Standard Plan Instructions (SPI)
- 🔲 🗹 Revised SPI
- Other Support Documents

Implementation:

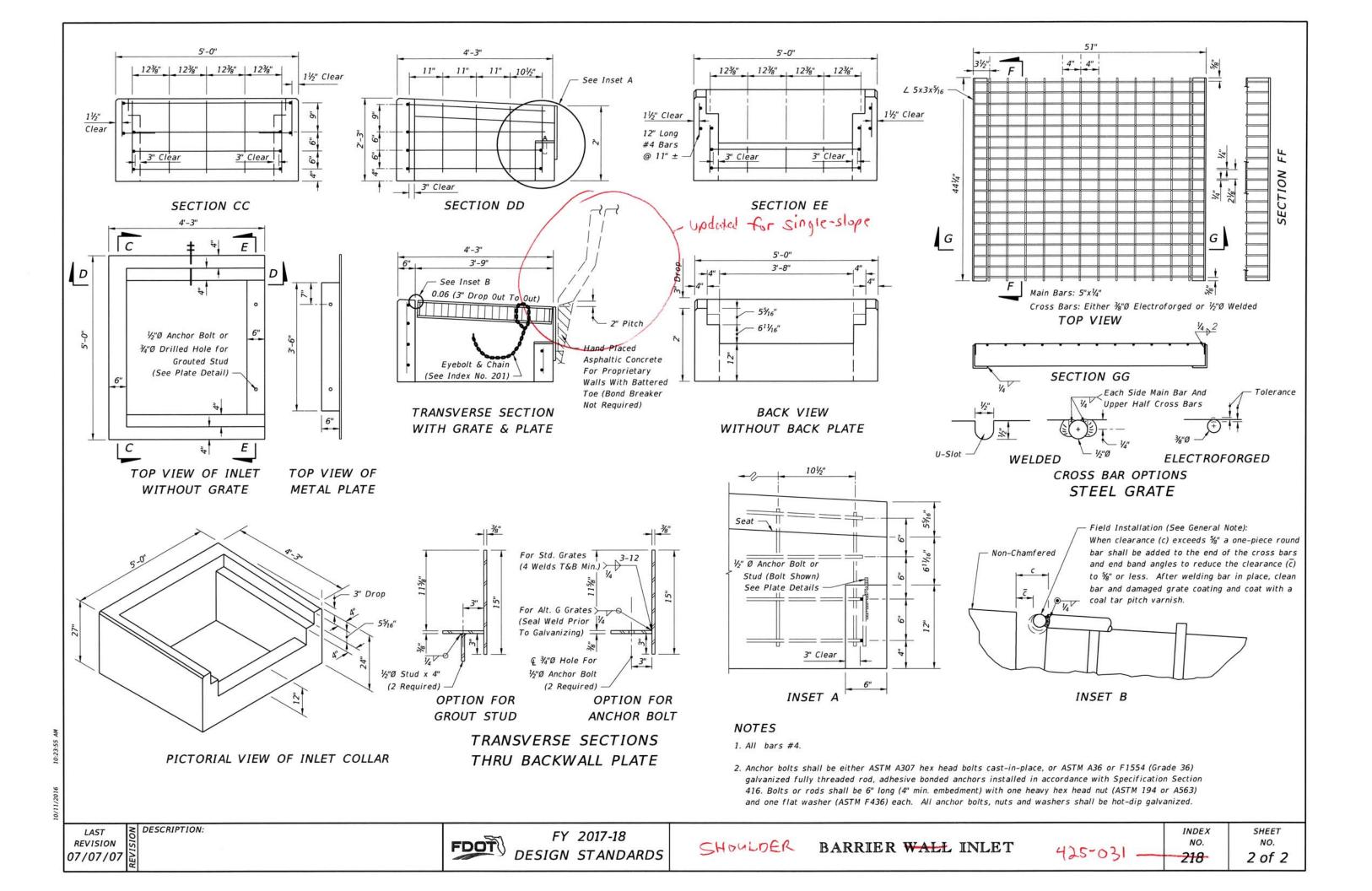
Design Bulletin (Interim)	DCE Memo	Program Mgmt. Bulletin	FY-Standard Plans (Next Release)
Contact the Roadway Design Office for assistance in completing this form			

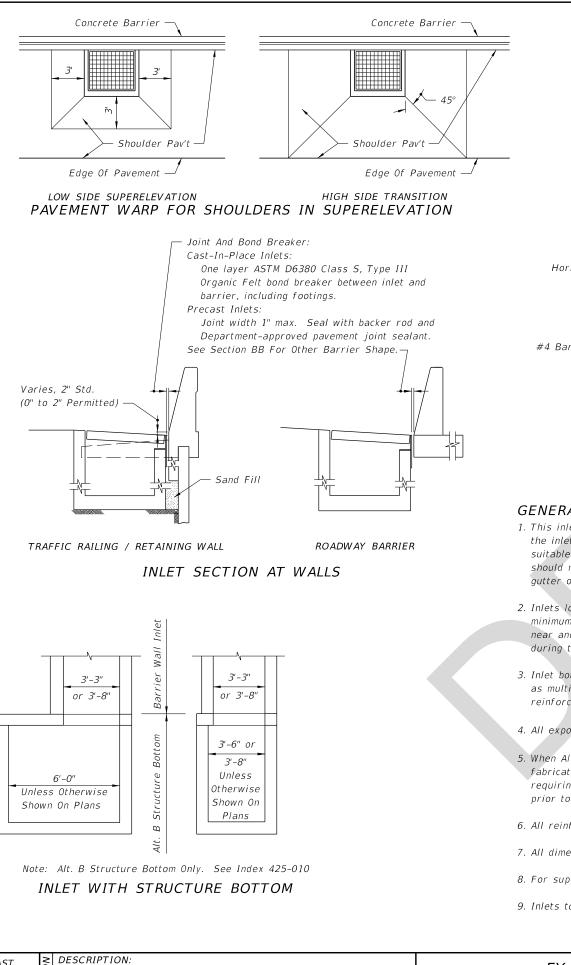


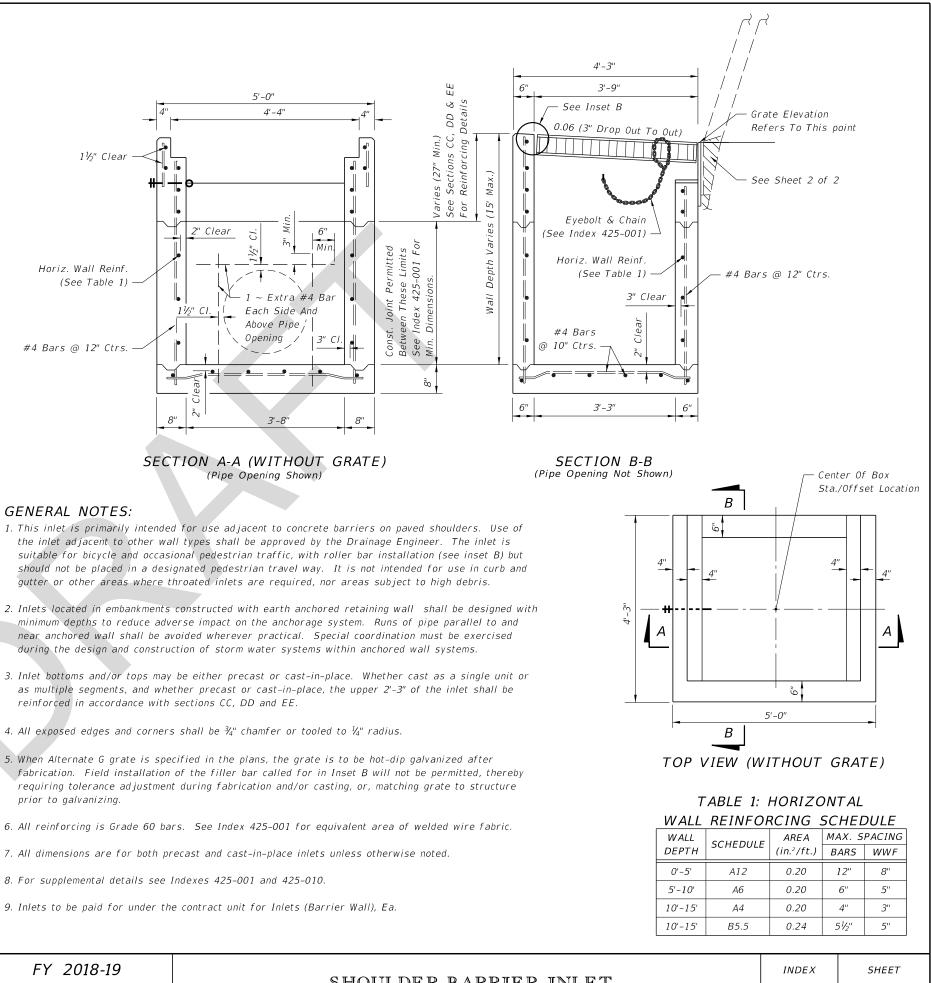


GENERAL NOTES

- 1. This inlet is primarily intended for use adjacent to concrete barrier walls on paved shoulders. Use of the inlet adjacent to other wall types shall be approved by the Drainage Engineer. The inlet is suitable for bicycle and occasional pedestrian traffic, with roller bar installation (see inset B) but should not be placed in a designated pedestrian travel way. It is not intended for use in curb and gutter or other areas where throated inlets are required, nor areas subject to high debris.
- minimum depths to reduce adverse impact on the anchorage system. Runs of pipe parallel to and near anchored wall shall be avoided wherever practical. Special coordination must be exercised during the design and construction of storm water systems within anchored wall systems.
- 3. Inlet bottoms and/or tops may be either precast or cast-in-place. Whether cast as a single unit or as multiple segments, and whether precast or cast-in-place, the upper 2'-3" of the inlet shall be reinforced in accordance with sections CC, DD and EE.
- 4. All exposed edges and corners shall be 3/4" chamfer or tooled to 1/4" radius.
- 5. When Alternate G grate is specified in the plans, the grate is to be hot-dip galvanized after fabrication. Field installation of the filler bar called for in Inset B will not be permitted, thereby requiring tolerance adjustment during fabrication and/or casting, or, matching grate to structure prior to galvanizing.
- 6. All reinforcing is Grade 60 bars. See Index No. 201 for equivalent area of welded wire fabric.
- 7. All dimensions are for both precast and cast-in-place inlets unless otherwise noted.
- 8. For supplemental details see Index Nos. 200 and 201.
- 9. Inlets to be paid for under the contract unit for Inlets (Barrier Wall), Each.







GENERAL NOTES:

- the inlet adjacent to other wall types shall be approved by the Drainage Engineer. The inlet is suitable for bicycle and occasional pedestrian traffic, with roller bar installation (see inset B) but should not be placed in a designated pedestrian travel way. It is not intended for use in curb and gutter or other areas where throated inlets are required, nor areas subject to high debris.
- 2. Inlets located in embankments constructed with earth anchored retaining wall shall be designed with minimum depths to reduce adverse impact on the anchorage system. Runs of pipe parallel to and near anchored wall shall be avoided wherever practical. Special coordination must be exercised during the design and construction of storm water systems within anchored wall systems.
- 3. Inlet bottoms and/or tops may be either precast or cast-in-place. Whether cast as a single unit or as multiple segments, and whether precast or cast-in-place, the upper 2'-3" of the inlet shall be reinforced in accordance with sections CC, DD and EE.
- 4. All exposed edges and corners shall be $\frac{3}{4}$ " chamfer or tooled to $\frac{1}{4}$ " radius.
- 5. When Alternate G grate is specified in the plans, the grate is to be hot-dip galvanized after fabrication. Field installation of the filler bar called for in Inset B will not be permitted, thereby requiring tolerance adjustment during fabrication and/or casting, or, matching grate to structure prior to galvanizing.
- 6. All reinforcing is Grade 60 bars. See Index 425-001 for equivalent area of welded wire fabric.
- 7. All dimensions are for both precast and cast-in-place inlets unless otherwise noted.
- 8. For supplemental details see Indexes 425-001 and 425-010.
- 9. Inlets to be paid for under the contract unit for Inlets (Barrier Wall), Ea.

LAST REVISION 11/01/17





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SHOULDER BARRIER INLET

425-031

1 of 2

