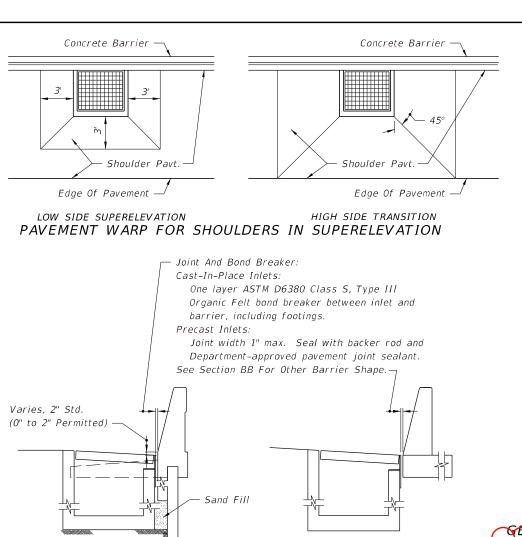
ORIGINATION FORM

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

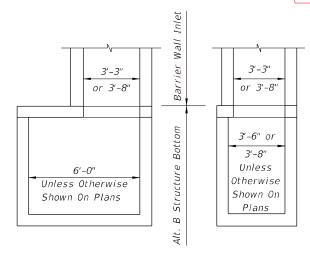
| Contact | Information: | Standard P | lans: | - | | | |
|--|--|-----------------------|----------------|--|---|--|--|
| Date: July | y 1, 2019 | Index Numb | er: 425 | -031 | | | |
| Originator: Richard Stepp | | Sheet Number (s): All | | | | | |
| • | | Index Title: | Old: Sho | oulder Barrier Inlet | | | |
| Email: ric | hard.stepp@dot.state.fl.us | | New: A | djacent Barrier Inlet | + | | |
| Summar | y of the changes: | | | | | | |
| All Sheet | s: Changed Index title to: "Adjacent Barrier In | let" | | | | | |
| Sheet 1: | Changed GENERAL NOTE 1 to include median | barriers. Upd | lated sec | ction labels to include median barriers. | | | |
| Commen | tary / Background: | | | | | | |
| configura | 5-031 can be used for median barriers where ation. To facilitate this, Index 425-031 notes an iously required drainage engineer approval for | nd labels have | e been u | pdated to include median barriers, and | | | |
| Vos. No. | Other Affected Offices / Documents: (| Provide name o | of respon | sible personnel) | | | |
| Yes No | Other Standard Plans – | | | | | | |
| | FDOT Design Manual – | | | | | | |
| | Basis of Estimates Manual – Melissa Hollis | | | | | | |
| | Standard Specifications – | | | | | | |
| | Approved Product List – | | | | | | |
| | Construction – | | | | | | |
| | Maintenance – | | | | | | |
| | Origination Package Includes: (Email or h | nand deliver pa | ckage to | Derwood Sheppard) | | | |
| Yes N/A | Redline Mark-ups | | | | | | |
| | Proposed Standard Plan Instructions (SPI) | | | | | | |
| | Revised SPI | | | | | | |
| | Other Support Documents | | | | | | |
| <u>Impleme</u> | ntation: | | | | | | |
| Design | Bulletin (Interim) DCE Memo Prog | gram Mgmt. E | Bulletin | FY-Standard Plans (Next Release) | | | |
| Contact the Roadway Design Office for assistance in completing this form | | | | | | | |



BARRIER - JUNCTION SLAB AND WALL COPING

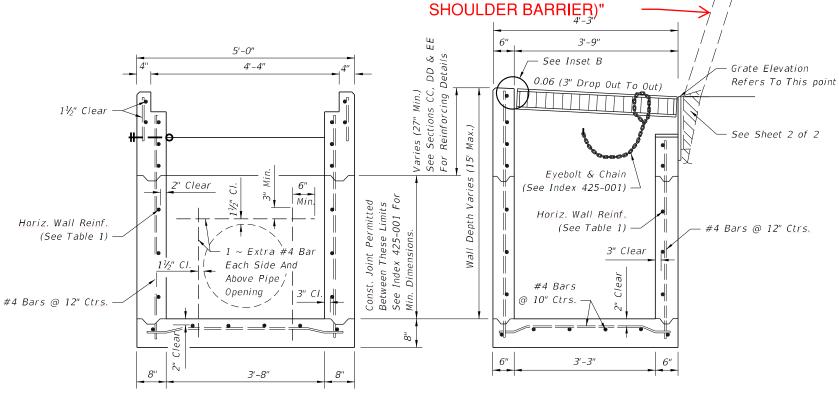
SHOULDER BARRIER - FOOTING

INLET SECTION AT BARRIERS



CHANGED TO " -**EXAMPLE BARRIER** TYPES" (TO NOT **EXCLUDE MEDIAN BARRIER**)

Note: Alt. B Structure Bottom Only. See Index 425-010 INLET WITH STRUCTURE BOTTOM



ADDED LABEL "CONCRETE

BARRIER (MEDIAN OR

SECTION A-A (WITHOUT GRATE)

SECTION B-B (Pipe Opening Shown)

CHANGED NOTE 1 TO INCLUDE OTHER Not Shown)

Where called for in the Plans, use this inlet in conjunction with Shoulder Barrier per Index 521-001 or a Wall Coping with Barrier and Junction Slab per Index 521-610. Use of the inlet adjacent to other Concrete Barrier or Traffic Railing types requires approval of 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.

- 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 (Concrete Barrier), Ea.

Sta./Offset Location В 5'-0" В

TOP VIEW (WITHOUT GRATE)

TABLE 1: HORIZONTAL WALL REINFORCING SCHEDULE

| WALL | SCHEDULE | AREA | MAX. SPACING | |
|---------|----------|------------|--------------|-----|
| DEPTH | | (in.²/ft.) | BARS | WWF |
| 0'-5' | A12 | 0.20 | 12" | 8" |
| 5'-10' | A6 | 0.20 | 6" | 5" |
| 10'-15' | A4 | 0.20 | 4" | 3" |
| 10'-15' | B5.5 | 0.24 | 5½" | 5" |

CHANGED TO: ADJACENT

DESCRIPTION: LAST REVISION - 11/01/19 12/07/17



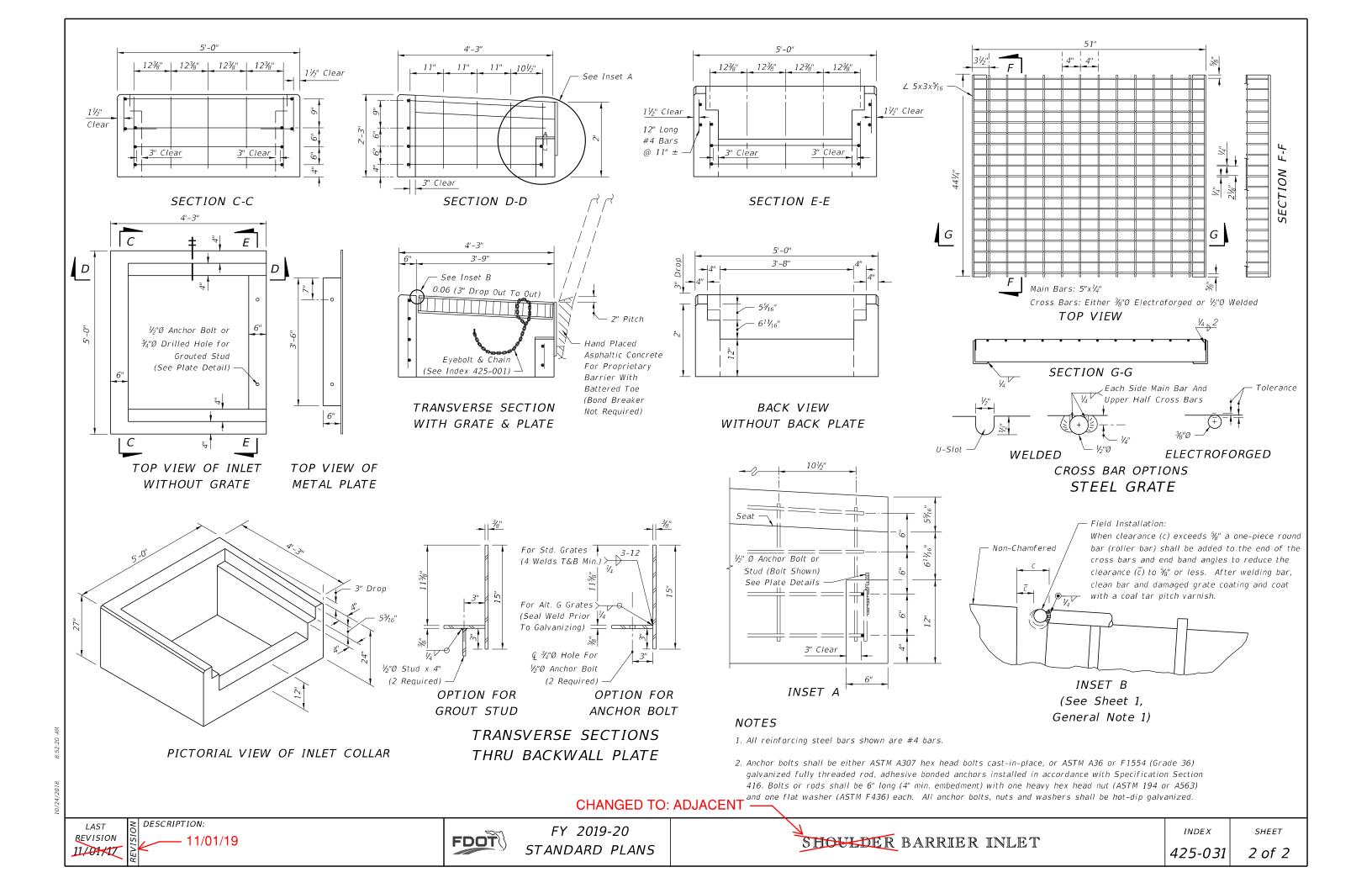
FY 2019-20 STANDARD PLANS

SHOULDER BARRIER INLET

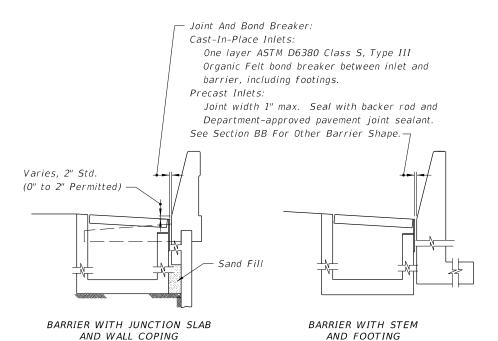
INDEX 425-031

SHEET 1 of 2

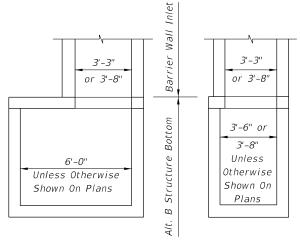
Center Of Box



LOW SIDE SUPERELEVATION HIGH SIDE TRANSITION PAVEMENT WARP FOR SHOULDERS IN SUPERELEVATION



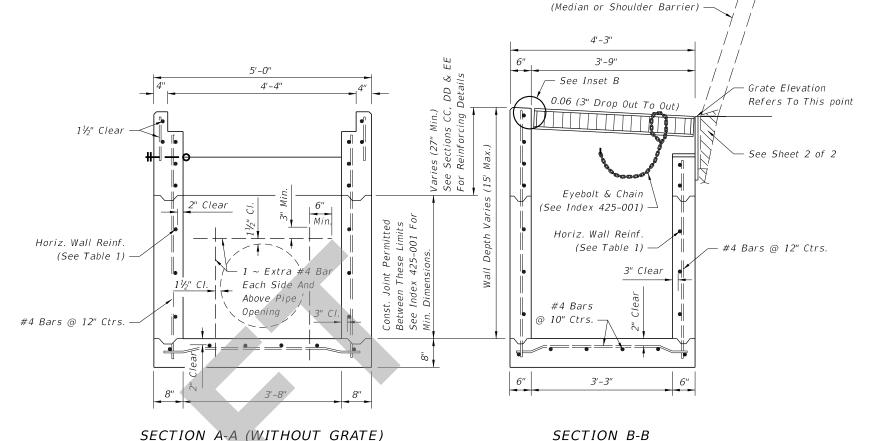
INLET SECTIONS -EXAMPLE BARRIER TYPES



Note: Alt. B Structure Bottom Only. See Index 425-010

INLET WITH STRUCTURE BOTTOM

DESCRIPTION:



SECTION A-A (WITHOUT GRATE) (Pipe Opening Shown)

GENERAL NOTES:

- 1. Where called for in the Plans, use this inlet in conjunction with median or shoulder barrier per Index 521-001 or a barrier with junction slab and wall coping per Index 521-610. 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.
- 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 (Concrete Barrier), Ea.

(Pipe Opening Not Shown) Center Of Box Sta./Offset Location A A A Significant B Significant A A A B Significant B Significant A A A A A A B Significant B Significant B Significant Center Of Box Sta./Offset Location

Concrete Barrier (Typ.)

TOP VIEW (WITHOUT GRATE)

TABLE 1: HORIZONTAL
WALL REINFORCING SCHEDULE

| WALL | SCHEDULE | AREA | MAX. S | PACING |
|---------|-----------|------------|--------|--------|
| DEPTH | JCIILDULL | (in.²/ft.) | BARS | WWR |
| 0'-5' | A12 | 0.20 | 12" | 8" |
| 5'-10' | A6 | 0.20 | 6" | 5" |
| 10'-15' | A4 | 0.20 | 4" | 3" |
| 10'-15' | B5.5 | 0.24 | 5½" | 5" |

LAST REVISION 11/01/19

FDOT

FY 2020-21
STANDARD PLANS

ADJACENT BARRIER INLET

INDEX 425-031

*sнеет*1 of 2

