
ORINATION FORM

Proposed Revisions to a Standard Plans Index

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

Contact Information:

Date: April 17, 2023

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Standard Plans:

Index Number: 425-031

Sheet Number (s): 1

Index Title: Adjacent Barrier Inlet

Summary of the changes:

Sheet 1: General Note 5 changed to "Do not field install roller bars when Alt. G grates are specified in the Plans in accordance with Specification 425."

Commentary / Background:

The general notes were updated on a previous year and this information was deleted in the revision process. Adding back clarification that the bar installation is only limited with the galvanized grate.

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 type="checkbox"/> | <input checked="" type="checkbox"/> | Basis of Estimates Manual – |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Standard Specifications – |
| <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 type="checkbox"/> | Revised or Proposed Standard Plan Instruction (SPI) |
| <input type="checkbox"/> | <input 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) |

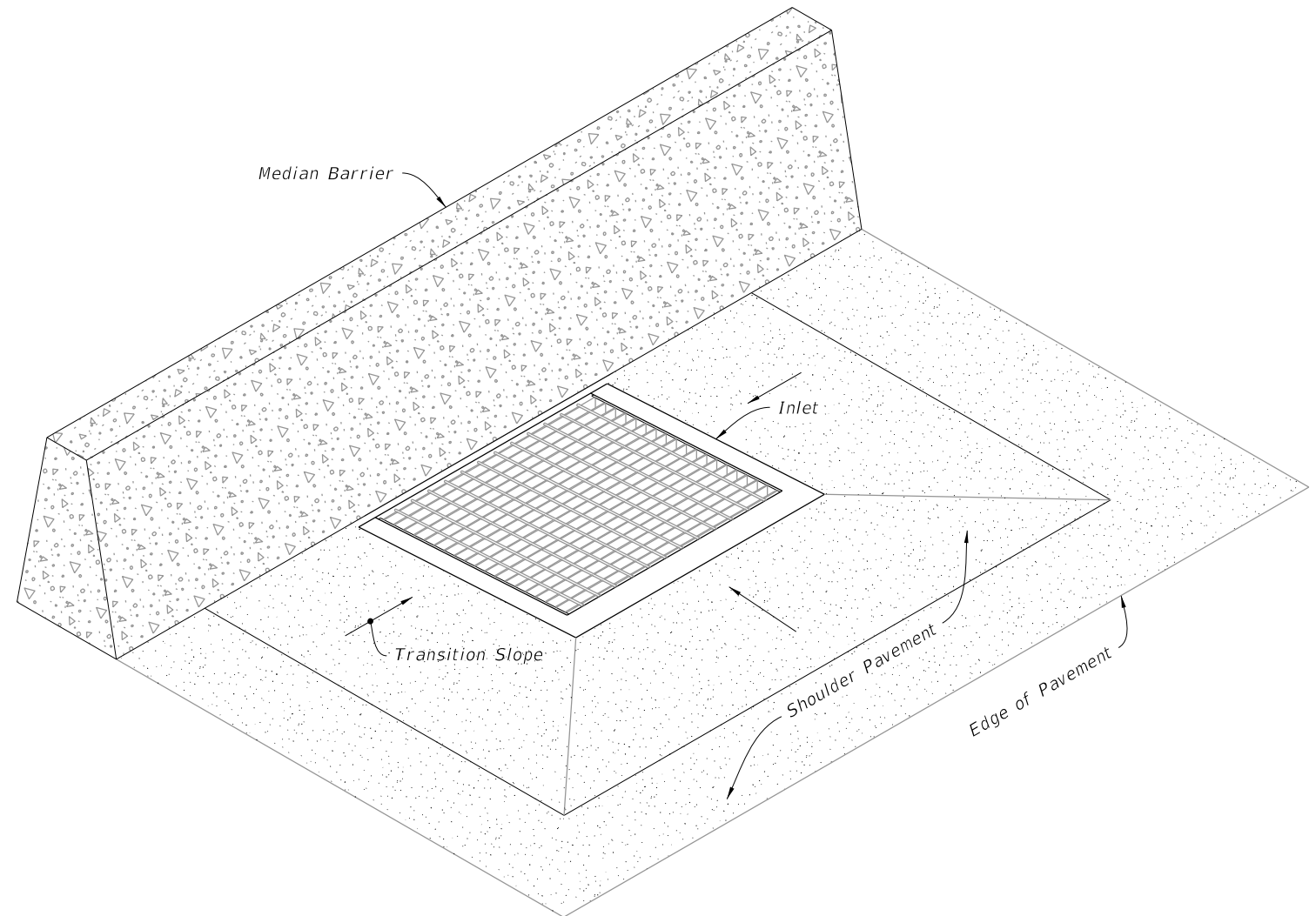
Contact the Roadway Design Office for assistance in completing this form

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

GENERAL NOTES:

1. Work this Index with Index 425-001 and Index 425-010.
2. When 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.
3. Reinforce the upper 2'-3" of the inlet in accordance with sections CC, DD, and EE regardless of construction method.
4. Chamfer exposed edges and corners to $\frac{3}{4}$ " or tool to $\frac{1}{4}$ " radius.
5. ~~Field installation of a roller bar will not be permitted.~~ Adjust tolerance during fabrication or casting, or, match grate to structure prior to galvanizing.
6. Use Grade 60, #4 bars for reinforcing steel. See Index 425-001 for equivalent area of welded wire fabric.
7. Dimensions are for both precast and cast-in-place inlets unless otherwise noted.
8. Anchor bolts: Use either ASTM A307 hex head bolts cast-in-place, or ASTM A36 or F1554 (Grade 36) galvanized fully threaded rod, adhesive bonded anchors installed in accordance with Specification 416. Rods must be a minimum of 6" long with 4" minimum embedment with one ASTM 194 or A563 heavy hex head nut and one ASTM F436 flat washer each. Hot-dip galvanize anchor bolts, nuts, and washers.
9. Reduce Cross Slope: Use a flatter cross slope as required to match adjacent grading per the Plans. Reduce vertical dimensions and bar spacing as needed to maintain concrete cover as shown.

Do not field install roller bars when Alt. G grates are specified in the Plans in accordance with Specification 425.



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| 2 | Dimensional, Reinforcing, and Steel Grate Details |
| 3 | Inlet Collar Dimensional, Reinforcing, and Backwall Plate Details |
| 4 | Shoulder Pavement Wrap, Barrier Type Examples, and Structure Bottoms |

===== ADJACENT BARRIER INLET =====
(Shoulder Barrier Similar)

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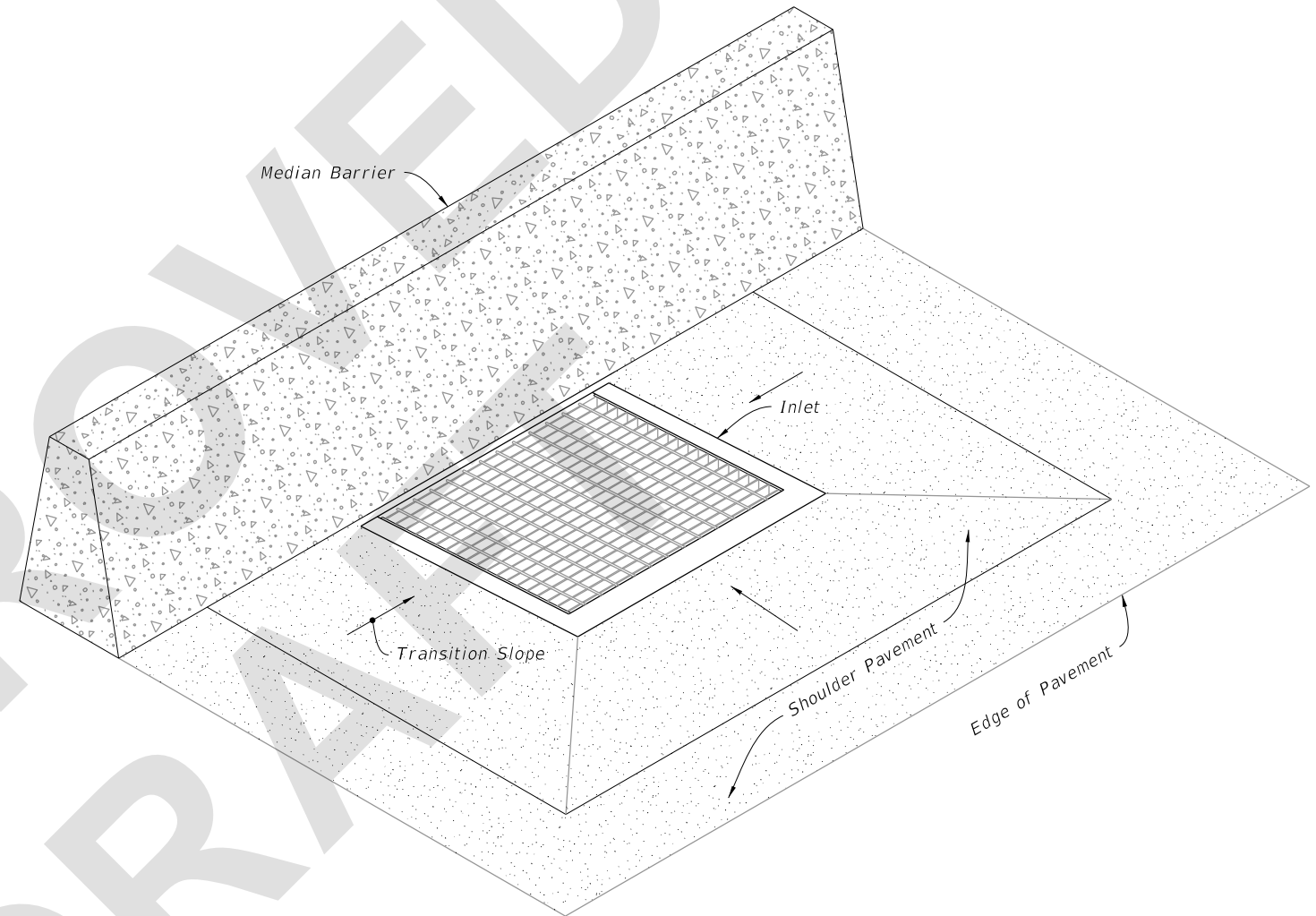


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ADJACENT BARRIER INLET
(Shoulder Barrier Similar)

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|---------------------------|----------|--------------|---|------------------------|------------------|-----------------|
| LAST REVISION 11/01/23 | REVISION | DESCRIPTION: |  FY 2024-25 STANDARD PLANS | ADJACENT BARRIER INLET | INDEX 425-031 | SHEET 1 of 4 |
|---------------------------|----------|--------------|---|------------------------|------------------|-----------------|