

ORIGINATION FORM

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

Contact Information:

Date: September 18, 2017
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Standard Plans:

Index Number: **00518**
Sheet Number (s): 1 of 2
Index Title: Shoulder Rumble Strips



Summary of the changes:

Revised entire Index. New name of Index is Ground-In Rumble Strips.
Sheet 1: Deleted Shoulder Ground-In Rumble Strip Placement Detail. Revised General Notes. Changed Shoulder Ground-In Rumble Strips Detail and Arrays Detail.
Sheet 2: Deleted Sheet.

Commentary / Background:



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

- | Yes | No | |
|--------------------------|--------------------------|-----------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | Other Standard Plans – |
| <input type="checkbox"/> | <input type="checkbox"/> | FDOT Design Manual – |
| <input type="checkbox"/> | <input type="checkbox"/> | Basis of Estimates Manual – |
| <input type="checkbox"/> | <input type="checkbox"/> | Standard Specifications – |
| <input type="checkbox"/> | <input type="checkbox"/> | Approved Product List – |
| <input type="checkbox"/> | <input type="checkbox"/> | Construction – |
| <input type="checkbox"/> | <input type="checkbox"/> | Maintenance – |

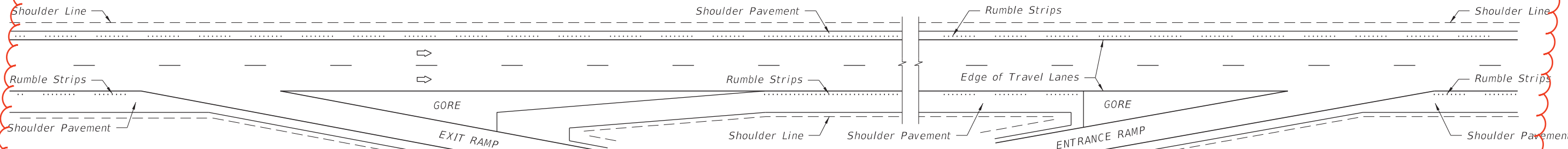
Origination Package Includes: (Email or hand deliver package to Derwood Sheppard)

- | Yes | N/A | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Redline Mark-ups |
| <input type="checkbox"/> | <input type="checkbox"/> | Proposed Standard Plan Instructions (SPI) |
| <input type="checkbox"/> | <input type="checkbox"/> | Revised SPI |
| <input type="checkbox"/> | <input type="checkbox"/> | 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

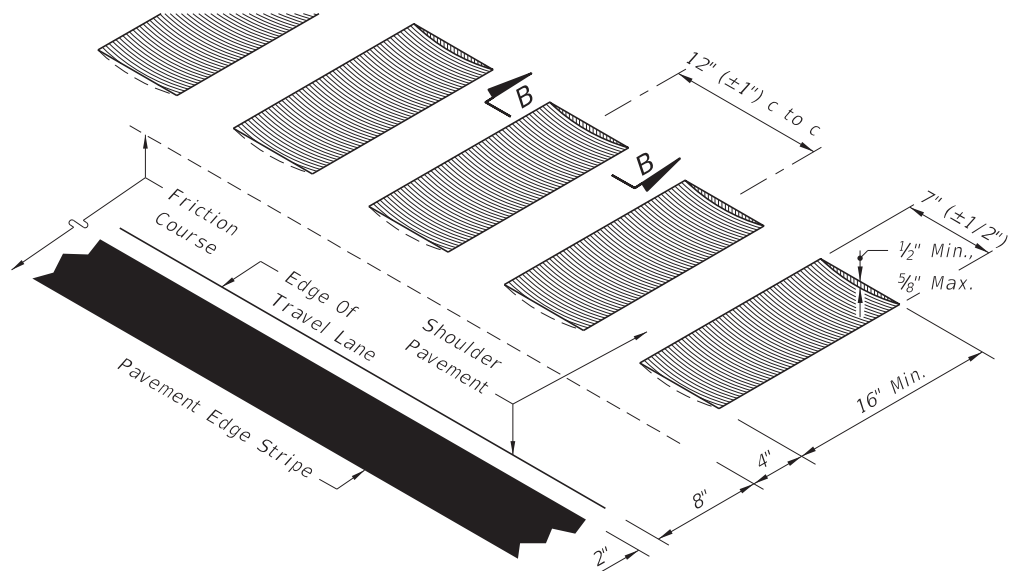


Note:
 (⇒) Arrows indicate direction of travel
 and not the number of lanes nor width
 of median shoulder pavement.

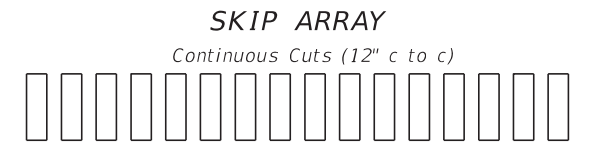
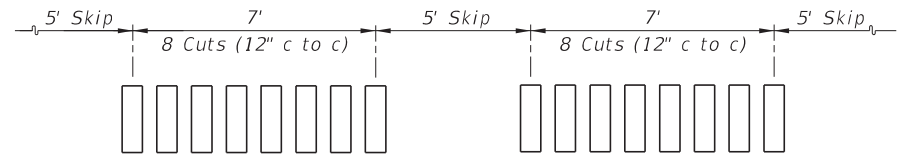
HALF PLAN
 LIMITED ACCESS FACILITIES

Moved to FDM

SHOULDER GROUND-IN RUMBLE STRIP PLACEMENT



ISOMETRIC - LONGITUDINAL CUT

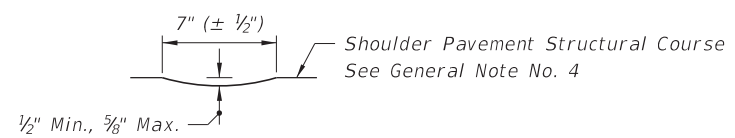


SKIP ARRAY
 Continuous Cuts (12" c to c)
 CONTINUOUS ARRAY
 ARRAYS

UPDATED INDEX

GENERAL NOTES FOR
 SHOULDER GROUND-IN RUMBLE STRIPS

1. Shoulder ground-in rumble strips shall be constructed on limited access facilities.
2. The skip array is the standard array. The continuous array shall be constructed in advance of bridge ends for a distance of 1000', or back to the gore recovery area for mainline interchange bridges; and constructed at other specific locations as called for in the plans.
3. Ground-in rumble strips are to be constructed in accordance with Section 546 of the Specifications.
4. When friction course extends more than 8" beyond the edge of the travel lane, the extended friction course shall be bladed off back to the 8" line, prior to rumble strip grinding.



SECTION BB
 LONGITUDINAL CUT

LOCATION ALONG SHOULDER (FLEXIBLE PAVEMENT)

SHOULDER GROUND-IN RUMBLE STRIPS

GROUND-IN RUMBLE STRIPS

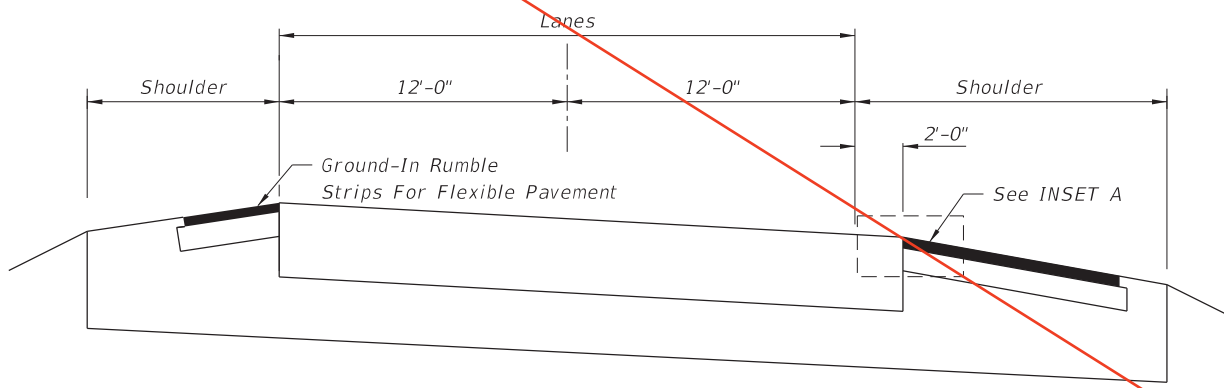
546-010

11/01/17

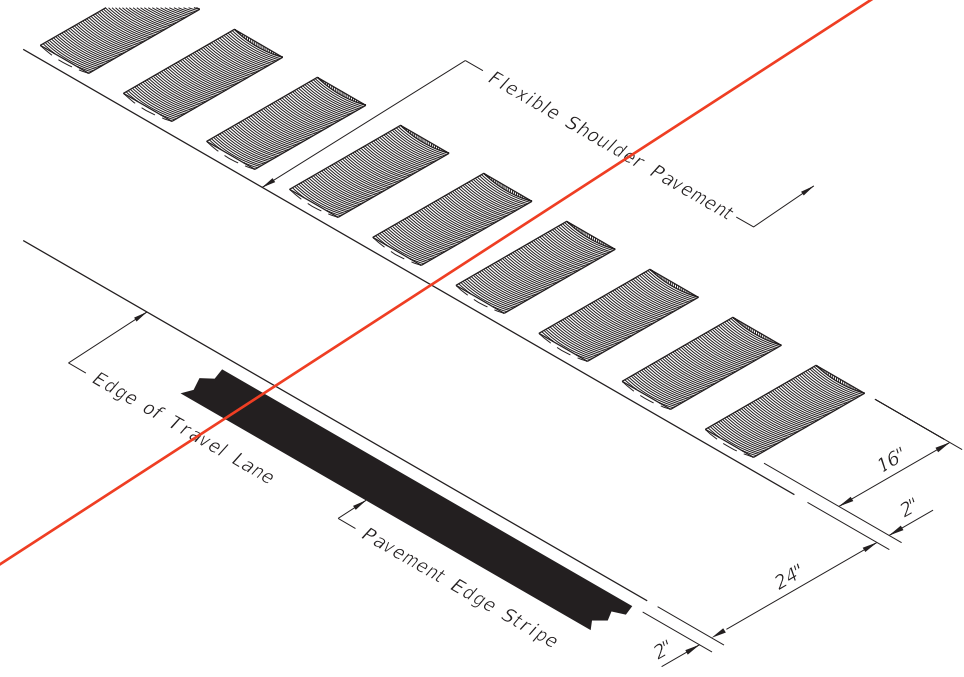
10/12/2016 10:58:29 AM

| | | | | | | |
|---------------------------|----------|--------------|--|-----------------------------------|------------------|---------------------|
| LAST REVISION 07/01/14 | REVISION | DESCRIPTION: | FDOT FY 2017-18 DESIGN STANDARDS | SHOULDER RUMBLE STRIPS | INDEX NO. 518 | SHEET NO. 1 of 2 |
|---------------------------|----------|--------------|--|-----------------------------------|------------------|---------------------|

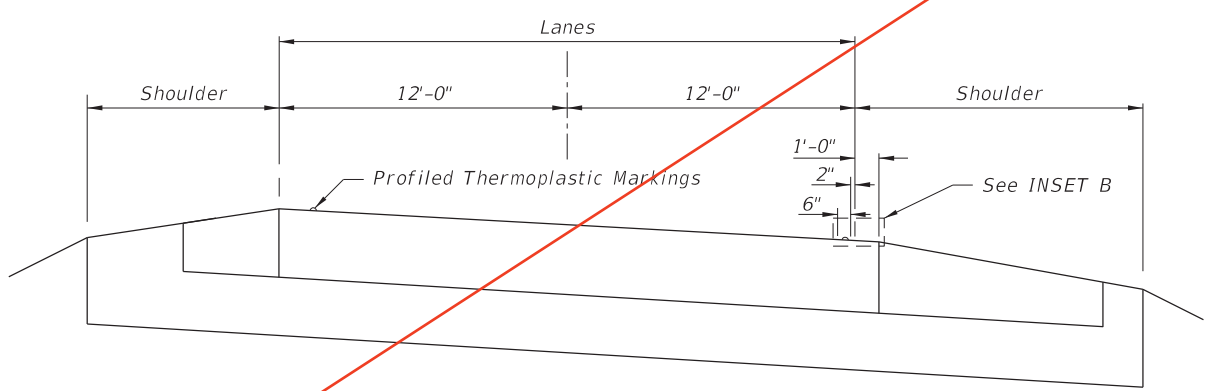
DELETED SHEET



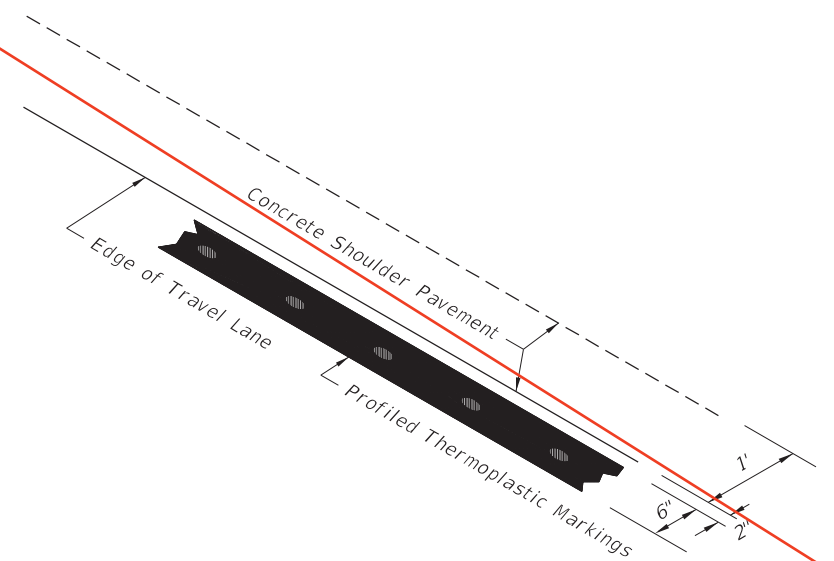
NTS
RIGID PAVEMENT WITH FLEXIBLE PAVEMENT SHOULDER



ISOMETRIC - LONGITUDINAL CUT
INSET A



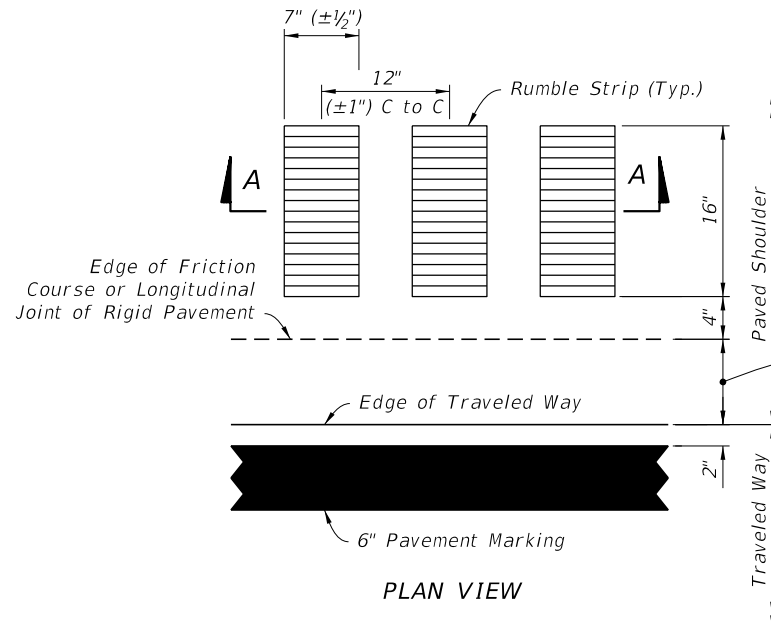
NTS
RIGID PAVEMENT WITH RIGID PAVEMENT SHOULDER



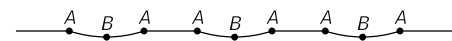
ISOMETRIC - LONGITUDINAL CUT (RIGID PAVEMENT)
INSET B

10/12/2016 10:58:32 AM

| | | | | | |
|---------------------------|--------------|--|------------------------|------------------|---------------------|
| LAST REVISION 07/01/15 | DESCRIPTION: |  FY 2017-18 DESIGN STANDARDS | SHOULDER RUMBLE STRIPS | INDEX NO. 518 | SHEET NO. 2 of 2 |
|---------------------------|--------------|--|------------------------|------------------|---------------------|



PLAN VIEW



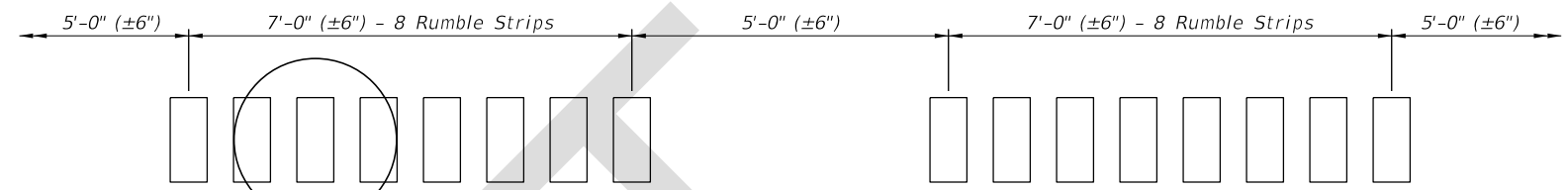
| LOCATION | DEPTH FROM SURFACE (IN.) |
|----------|--------------------------------------|
| A | 0 |
| B | $\frac{9}{16}$ ($\pm\frac{1}{16}$) |

PROFILE VIEW (SECTION A-A)

RUMBLE STRIP DETAILS

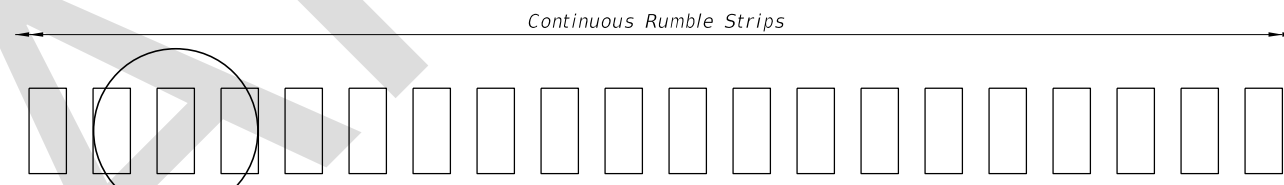
DETAIL "A"

8" for Flexible Pavement;
12" for Rigid Pavement
with Rigid Pavement Shoulder;
24" for Rigid Pavement with
Flexible Pavement Shoulder



See DETAIL "A"

SKIP ARRAY



See DETAIL "A"

CONTINUOUS ARRAY

GROUND-IN RUMBLE STRIPS FOR LIMITED ACCESS ROADWAYS

GENERAL NOTES

1. For Limited Access roadways, when friction course extends more than 8" beyond the edge of the traveled way, blade off the extended friction course to the 8" line prior to rumble strip grinding.
2. For rigid pavement shoulders, do not grind within 3" of any transverse joints.

9/19/2017 1:37:14 PM