ORIGINATION FORM

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

Contact Information:
Date: May 14, 2021
Originator: Derwood Sheppard
Phone: (850) 414-4334
Email: derwood.sheppard@dot.state.fl.us

Summary of the changes:
All: Renumbered.
Sheet 1: Deleted Note 1 for Pavement Messages; Changed Note 5 (New Note 4) to "All pavement messages must be white except Route Shields and In Pavement Warning Markings"; Deleted Pavement Message Spacing Table; Deleted the General Notes.
Sheet 2: Moved the MARKING FOR MERGE detail from Sheet 8.
Sheet 8: Deleted Right Turn Lane Drop and Island Details and DETAIL "C" from Index. Moved to the FDM, Combined with Signing Details shown in 230-5; Deleted the Traffic Channelization At Gore detail Note ; Moved the Instructions associated with the TWO WAY LEFT TURN LANE details to the SPI.
Sheet 9: Deleted Schemes for Transition details and DETAIL "D" from Index. Moved to FDM, Combined with Signing Details shown in Exhibit 230-05; Changed Detail "E" to "Markings For Merge" and Deleted the NOTE; Moved Details to Sheet 2; Moved the "Markings For Traffic Separation" to Sheet 8; Deleted Sheet 9.
Sheet 11: New Sheet 10: Revert back to FY 2018-19 Index and delete redundant information shown in FDM Exhibit 212-1.

Commentary / Background:
Changes are required to make the Index consistent with the FDM. Duplicate information will be deleted from the Index. Some information deleted from Index will be added to the FDM.

Other Affected Offices / Documents: (Provide name of person contacted)

Yes  No
☐  ☑ Other Standard Plans –
☐  ☐ FDOT Design Manual –
☐  ☐ Basis of Estimates Manual –
☐  ☐ Standard Specifications –
☐  ☐ Approved Product List –
☐  ☐ Construction –
☐  ☐ Maintenance –

Origination Package Includes:
(Email or hand deliver package to Rick Jenkins)

Yes  N/A
☑  ☐ Redline Mark-ups
☐  ☐ Proposed Standard Plan Instruction (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

Email to: Rick Jenkins rick.jenkins@dot.state.fl.us and Darren Martin darren.martin@dot.state.fl.us
**Proposed Revisions to a Standard Plans Index**
(Please provide all information — Incomplete forms will be returned)

**Contact Information:**
Date: July 21, 2021  
Originator: Javier Ponce  
Phone: (850) 410-5417  
Email: Javier.Ponce@dot.state.fl.us

**Summary of the changes:**
Sheet 1: Added In Pavement Warning Marking.

**Commentary / Background:**
Change made to stay consistent with update to the Traffic Engineering Manual

**Other Affected Offices / Documents:** (Provide name of person contacted)

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**Origination Package Includes:**
(Email or hand deliver package to Rick Jenkins)

Yes N/A
  ☑ Redline Mark-ups
  ☐ Proposed Standard Plan Instruction (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
Email to: Rick Jenkins rick.jenkins@dot.state.fl.us and Darren Martin darren.martin@dot.state.fl.us
ORIGINATION FORM

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

Contact Information:
Date: May 14, 2021
Originator: Hollis, Melissa/Awilda Merced
Phone: (850) 414-4182
Email: melissa.hollis@dot.state.fl.us

Summary of the changes:
Sheet 12: (New Sheet 11) Deleted Note 4; Changed reference to "See Note 5" in the UNIVERSAL SYMBOL OF ACCESSIBILITY detail.

Commentary / Background:
Note 4 calls for tinting the blue pavement markings to match color 15180 of Fed Std 595a. This is in conflict with the spec language in 971-1. 6 Color: Materials other than white and yellow shall meet the color requirements as identified in 23 CFR 665 Table 5 Appendix to Part 655, Subpart F.

Other Affected Offices / Documents: (Provide name of person contacted)

Yes No
☐ ✔ Other Standard Plans –
☐ ☐ FDOT Design Manual –
☐ ☐ Basis of Estimates Manual –
☐ ☐ Standard Specifications –
☐ ☐ Approved Product List –
☐ ☐ Construction –
☐ ☐ Maintenance –

Origination Package Includes:
(Email or hand deliver package to Rick Jenkins)

Yes N/A
☑ ☐ Redline Mark-ups
☐ ☐ Proposed Standard Plan Instruction (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
Email to: Rick Jenkins rick.jenkins@dot.state.fl.us and Darren Martin darren.martin@dot.state.fl.us
NOTES FOR PAVEMENT MESSAGES:
1. When an arrow or another pavement message is used with a pavement message, maintain a minimum distance of 5" between items shown, from the base of each item. See the Pavement Message Spacing Table for "S" value.
2. Place all pavement messages 25' back from the stop line.
3. Dimensions are within 1" ±.
4. All grids are 4" x 4".
5. All pavement messages must be white except route shields.

GENERAL NOTE:
1. See Index 569-076 for pavement markings at railroad crossings.

PAVEMENT MESSAGE AND ARROW DETAILS

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<th>Distance &quot;S&quot; (feet)</th>
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<td>15 - 20</td>
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<tr>
<td>50</td>
<td>10 - 15</td>
</tr>
<tr>
<td>60</td>
<td>7 - 10</td>
</tr>
</tbody>
</table>

ADDED: In Pavement Warning Marking

DELETED

CHANGED NOTE:
All pavement messages must be white except Route Shields and In Pavement Warning Markings.

RENUMBERED

11/01/21
YIELD LINES

Yield Lines consist of five 18" X 27" white triangles which face traffic. Equally space triangles within traffic lane. When a bike lane is present, add one additional triangle in the center of the bike lane.

MOVED MARKINGS FOR MERGE FROM SHEET 8

11/01/21

Renumbered

11/01/21

Renumbered
**CURB AND GUTTER**

**FLUSH SHOULDER**

- **X** = LANE WIDTH (FT.)
- **Y** = BUFFERED BIKE LANE WIDTH (FT.)

---

**STRIPPING FOR BUFFERED BIKE LANE**

---

**STRIPPING WITH NO SHOULDER OR BIKE LANE**

---

**STRIPPING WITH SHOULDER OR NON-BUFFERED BIKE LANE**

---

**NOTES:**

1. Lane widths (**X**) may not be same for each lane in the section.
2. For placement of RPMs, see Index 706-001.

---

**PLACEMENT OF LONGITUDINAL PAVEMENT MARKINGS**

**Revised railroad pavement marking details.**

**11/01/21**

**Renumbered**
NOTES:

1. Lane widths (X) may not be same for each lane in the section.

3. For placement of RPMs, see Index 706-001.

4. For placement of Express Lane markers and associated RPMs, see the Plans.

INTERSECTION APPROACH STRIPING WITH TURN
LANES AND BUFFERED BIKE LANE KEY HOLE

PLACEMENT OF LONGITUDINAL PAVEMENT MARKINGS

BUFFERED EXPRESS LANE STRIPING
CURB AND GUTTER SHOWN

PLACEMENT OF LONGITUDINAL PAVEMENT MARKINGS

See Plans

11/01/21

Renumbered

See Plans

See Plans

Additional railroad pavement marking details.

Description:

Added railroad pavement marking details.
FLUSH SHOULDER SHOWN

PLACEMENT OF LONGITUDINAL PAVEMENT MARKINGS

DESCRIPTION:

Added railroad pavement marking details.

LAST REVISION: 11/01/21

REVISION

\[\text{See Plans}\]

\[\text{See Plans}\]

\[\text{See Plans}\]

\[\text{See Plans}\]
**PAVEMENT MARKINGS AND DELINEATORS FOR MEDIAN CROSSOVER**

**NOTE:**
1. Apply yellow reflective paint to the noses of curbed medians, traffic separators, and raised islands. When applying yellow reflective paint in conjunction with Raised Pavement Markers, see Index 706-001.

2. Options for grassed medians:
   A. Option 1: Tubular Marker (Yellow). Attach Tubular Marker according to manufacturer's instructions. Non-Paved Surface Foundation (See Detail "A") is provided as an option if no other suitable surface is provided. Install Non-Paved Surface Foundation flush with the surrounding ground surface.
   B. Option 2: Delineator Post. Use yellow retro-reflective sheeting on both sides of the delineator. Install the post so that the top is 4'-0" above the grade at the edge of the pavement.

3. Extend double yellow centerlines 100' back from intersection on all approaches or 50' for unmarked cross roads.

**PAVEMENT MARKINGS FOR INTERSECTIONS WITH MAJOR AND MINOR ROADS**

**DESCRIPTION:**
Added railroad pavement marking details.

**REVISION:**
Renumbered

**INDEX:**
711-001

**SHEET:**
7 of 7
TWO WAY LEFT TURN LANE
(With Single Lane Left Turn Channelization)

DELETED FROM INDEX
Moved to FDM, Combined with Signing Details shown in 230-5

NOTE:
See Sheet 1 for "S" value.

TRAFFIC CHANNELIZATION AT GORE

NOTE:
See Sheet 1 for "S" value.

DELETED
DELETED FROM INDEX

Moved to FDM, Combined with Signing Details shown in 230-5

MOVED TABLE TO SHEET 8

NOTE:
Make pavement markings yellow for left roadway centered on existing roadway. Right roadway centered on existing roadway is similar with white pavement markings.

15.1 Taper (4:1 Min. Not Less Than 50')

White Delineators Shall Be Used Throughout The Transition Where Design Speeds Are Greater Than 50 mph.

See DETAIL "D"
NOTES:
1. For crosswalk width, exceed width of the adjacent sidewalk, but do not make width less than 6' for intersection crosswalks and 10' for midblock crosswalks. Measure width from the inside of the transverse crosswalk markings.

2. When the Special Emphasis Crosswalk is not perpendicular to the lane lines, make the longitudinal markings parallel to the lane lines.

3. Refer to Index 522-002 when Curb Ramps are present.
NOTES:
1. This Index also applies to right turn lanes.
2. Make pavement marking yellow for left-turn lanes and white for right-turn lanes.
3. See Sheet 1 for "S" value.
4. Space arrows evenly between the first and last arrow with a minimum spacing of "S" between arrows.
5. For turn lanes greater than 225' in length, use a minimum of three arrows. Use additional arrows in accordance with the Plans or as directed by the Engineer. Space arrows evenly throughout the available length with a minimum spacing of "S" between arrows.

Revert Back to previous version, see mark-up of FY 2018-19 Index.
(Next Sheet)
SINGLE LEFT TURNS

** Queue Length is Measured From The Median Nose Radial Point Or When A Stop Bar Is Required, From The Stop Bar.

Delete redundant information shown in FDM Exhibit 212-1.

DOUBLE LEFT TURNS

TURN LANE MARKINGS

ARROW SPACING

1. This Index also applies to right turn lanes.
2. Make pavement marking yellow for left-turn lanes and white for right-turn lanes.

ARROW SPACING AND TURN LANE MARKINGS

NOTES:
**DESCRIPTION:**

- 3-6" White Diagonal Equally Spaced Per Aisle.
- 3-6" White Diagonal Equally Spaced Per Aisle.
- 3-6" White Diagonal Equally Spaced Per Aisle.
- 3-6" White Diagonal Equally Spaced Per Aisle.
- 3-6" White Diagonal Equally Spaced Per Aisle.

**NOTES:**

1. Dimensions are to the centerline of markings.
2. An Access Aisle is required for each accessible space when angle parking is used.
3. Criteria for pavement markings only, not public sidewalk curb ramp locations. For ramp locations refer to plans.
5. Use of the pavement symbol in accessible parking spaces is optional. When pavement symbol is used, the symbol is either 3'-0" or 5'-0" high and white in color.

**DIMENSIONS**

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<th>17'-0&quot;</th>
<th>12'-9&quot;</th>
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<tbody>
<tr>
<td>6&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
NOTES:
1. All grids are 4" x 4".
2. Pavement Marking Should Not Extend Into Opposing Lane.

SCHOOL PAVEMENT MARKING

SCHOOL

MARKINGS FOR SCHOOL ZONES

SINGLE-LANE APPROACH

TWO-LANE APPROACH

MULTI-LANE APPROACH
(Three or More)
NOTE:
Orient Railroad Dynamic Envelope Marking as shown in the Plans.

RAILROAD DYNAMIC ENVELOPE (RDE) PAVEMENT MARKING DETAIL

RAILROAD CROSSING PAVEMENT MESSAGE

NOTE:
Adapted railroad pavement marking details.

FY 2021-22
STANDARD PLANS

PAVEMENT MARKINGS

INDEX
711-001

13 of 13

PAVEMENT MESSAGE AND ARROW DETAILS

**PAVEMENT MESSAGES NOTES:**

1. Place all pavement messages 25 feet back from the stop line.
2. Dimensions are within 1" ±.
3. All grids are 4" x 4".
4. All pavement messages must be white except Route Shields and In Pavement Warning Markings.
5. Increase width of route shield for routes with three digits.

**Diagram Details:**

- Merge Only Lane Turn Left Right
- Speed limit 25 MPH Sun Pass Stop Bus Express
- Various symbols for turn and through lane use, U-turn, roundabout approach, and preferential lane symbols.
- Pavement markings and arrow details with specific dimensions and notes.
PAVEMENT MARKING LINES

- Solid Edge Line or Lane Line
- Solid Channelizing Line
- Two-Lane Passing Prohibited Lines
- Double Solid Lines
- 12" Solid Pedestrian Crosswalk Line
- 24" Solid Stop Line

PAVEMENT MARKING LINES

- 10'-30' Skip Line
- 10'-30' Skip Line with Shadow Markings
- Dotted Line with Alternating Shadow Markings

MARKINGS FOR MERGE

- YIELD LINES
  - Yield Lines consist of five - 18" X 27" white triangles which face traffic. Equally space triangles within traffic lane. When a bike lane is present, add one additional triangle in the center of the bike lane.
CURB AND GUTTER

FLUSH SHOULDER

X = LANE WIDTH (FT.)
Y = BUFFERED BIKE LANE WIDTH (FT.)

STRIPING FOR BUFFERED BIKE LANE

STRIPING WITH NO SHOULDER OR BIKE LANE

NOTES:
1. Lane widths (X) may not be same for each lane in the section.
2. For placement of RPMs, see Index 706-001.
NOTES:
1. Lane widths (X) may not be same for each lane in the section.
3. For placement of RPMs, see Index 706-001.
4. For placement of Express Lane markers and associated RPMs, see the Plans.
DESCRIPTION:

CURB AND GUTTER SHOWN

PLACEMENT OF LONGITUDINAL PAVEMENT MARKINGS

LAST
REV 11/01/21
DESCRIPTION:

FY 2022-23
STANDARD PLANS

PAVEMENT MARKINGS

INDEX 711-001
SHEET 5 of 13
Placement of Longitudinal Pavement Markings

Flush Shoulder Shown

100' Min. 6" White
24" White
6" White
6" White (2'-4')
Edge of Traffic Lane

12" White
6" Yellow
Tubular Marker (Yellow)

6" White
6" White (10'-30')
6" White (10'-30) (Illustration Only)

See Plans

Pavement Markings

FLUSH SHOULDER SHOWN
PAVEMENT MARKINGS AND DELINEATORS FOR MEDIAN CROSSOVER

DETAIL "A"

NOTE:

1. Apply yellow reflective paint to the noses of curbed medians, traffic separators, and raised islands. When applying yellow reflective paint in conjunction with Raised Pavement Markers, see Index 706-001.

3. Options for grassed medians:
   A. Option 1: Tubular Marker (Yellow). Attach Tubular Marker according to manufacturer's instructions. Non-Paved Surface Foundation (See Detail "F") is provided as an option if no other suitable surface is provided. Install Non-Paved Surface Foundation flush with the surrounding ground surface.
   B. Option 2: Delineator Post. Use yellow retro-reflective sheeting on both sides of the delineator. Install the post so that the top is 4'-0" above the grade at the edge of the pavement.

3. Extend double yellow centerlines 100'-0" back from intersection on all approaches or 50'-0" for unmarked cross roads.

PAVEMENT MARKINGS FOR INTERSECTIONS WITH MAJOR AND MINOR ROADS
Two Way Left Turn Lane

(With Single Lane Left Turn Channelization)

Markings for Traffic Separation

Traffic Channelization at Gore

Use stop line at signalized intersection only.

Post Speed Limit

<table>
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<th>MPH</th>
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<td>40</td>
<td>20</td>
</tr>
<tr>
<td>45</td>
<td>30</td>
</tr>
<tr>
<td>50 OR MORE</td>
<td>40</td>
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</table>

For use in congested urban areas where available storage length between intersections is limited and a permanent point of transition from the two-way turning lane to the exclusive turning lane cannot be determined.

300' Max. Intervals Between Double Arrows

For use in rural & suburban areas where an adequate storage lane length can be specifically determined.
NOTES:
1. For crosswalk width, exceed width of the adjacent sidewalk, but do not make width less than 6' for intersection crosswalks and 10' for midblock crosswalks. Measure width from the inside of the transverse crosswalk markings.

2. When the Special Emphasis Crosswalk is not perpendicular to the lane lines, make the longitudinal markings parallel to the lane lines.

3. Refer to Index 522-002 when Curb Ramps are present.
Arrow should be evenly spaced between first and last arrow. Turn lanes longer than 200' add one arrow for each 100' additional length.

### Arrow Spacing

- **6" Edgeline** (See Note 2)
- **12" White (3'-9')**

Through Lane Becomes Exclusive Left Turn

Through Lane Becomes Optional Left Turn (Drop Lane)

### Notes:

1. This Index also applies to right turn lanes.
2. Make Edgeline pavement markings yellow for turn-lanes and white for right-turn lanes.
FORWARD-IN PARKING

REVERSE-IN PARKING

FOR ACCESSIBLE MARKINGS - SEE ABOVE

**DIMENSIONS**

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NOTES:

1. Dimensions are to the centerline of markings.
2. An Access Aisle is required for each accessible space when angle parking is used.
3. Criteria for pavement markings only, not public sidewalk curb ramp locations. For ramp locations refer to plans.
4. Mount FTP-22-06 sign below the FTP-21-06 sign.
5. Use of the pavement symbol in accessible parking spaces is optional. When pavement symbol is used, the symbol is either 3'-0" or 5'-0" high and white in color.
NOTES:
1. All grids are 4" x 4".
2. Pavement Marking Should Not Extend Into Opposing Lane.

MARKINGS FOR SCHOOL ZONES

SCHOOL PAVEMENT MARKING

SCHOOL

SCHOOL

SCHOOL

SCHOOL

SCHOOL

SCHOOL

33 S.F.

Edge Line

Lane Line

Lane Line

Edge Line

Roadway

Roadway

Roadway

Roadway

Roadway

Roadway

24" White

24" White

24" White

24" White

24" White

24" White


SCHOOL PAVEMENT MARKING

SCHOOL

SCHOOL

SCHOOL

SCHOOL

SCHOOL

SCHOOL

33 S.F.

Edge Line

Lane Line

Lane Line

Edge Line

Roadway

Roadway

Roadway

Roadway

Roadway

Roadway

24" White

24" White

24" White

24" White

24" White

24" White


SCHOOL PAVEMENT MARKING

SCHOOL

SCHOOL

SCHOOL

SCHOOL

SCHOOL

SCHOOL

33 S.F.

Edge Line

Lane Line

Lane Line

Edge Line

Roadway

Roadway

Roadway

Roadway

Roadway

Roadway

24" White

24" White

24" White

24" White

24" White

24" White

NOTE:
Orient Railroad Dynamic Envelope Marking as shown in the Plans.

RAILROAD DYNAMIC ENVELOPE (RDE) PAVEMENT MARKING DETAIL

RAILROAD CROSSING PAVEMENT MESSAGE