
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

Standard Plans:

Index Number: 711-001
Sheet Number (s): 1, 8, 9, and 11
Index Title: Pavement Markings

Summary of the changes:

All: Renumbered.
Sheet 1: Deleted Note 1 for Pavement Messages; 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

ORIGINATION FORM

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

Standard Plans:

Index Number: 711-001
Sheet Number (s): 1 OF 13
Index Title: Pavement Markings

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)

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)

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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

Standard Plans:

Index Number: 711-001
Sheet Number (s): 12 OF 13
Index Title: Pavement Markings

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)

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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: July 22, 2021
Originator: Derwood Sheppard
Phone: (850) 414-4334
Email: derwood.sheppard@dot.state.fl.us

Standard Plans:

Index Number: 711-001
Sheet Number (s): 2 and 8
Index Title: Pavement Markings

Summary of the changes:

Sheet 2: Added a 10' width to the Solid Channelizing Line.
Sheet 8: "Traffic channelization at gore" change from 8" to 10".

Commentary / Background:

Updates were needed to make the index consistent with the MUTCD 11th Edition that states "wide lines" must be at least 10" in width if 6" standard line widths are used.

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

When used, purple markings ~~shall supplement lane line or edge line markings for toll plaza approach lanes that are restricted to use only by vehicles with registered electronic toll collection accounts.~~ shall be in accordance with the provisions of Chapters 3F and 3H. Moved part of the Standard to new Chapter 3F, and new Chapter 3H

Option: Standard: Changed from Option to Standard

~~Colors used for~~ When pavement markings that simulate official route shield signs (see Section 2D.11) may be are used (see Section 3B.22), ~~as colors of symbol markings to simulate route shields on the pavement (see Section 3B.20)~~ the colors shall be the same as those that are used for the official route signs (see Section 2D.11). Rewritten as a Standard statement

~~Black may be used in combination with the colors mentioned in the first sentence of Paragraph 1 where a light-colored pavement does not provide sufficient contrast with the markings.~~ Moved to follow Paragraph 1 of this section

Support:

~~When used in combination with other colors, black is not considered a marking color, but only a contrast-enhancing system for the markings.~~ Incorporated into the relocated Paragraph 8 of this section

Provisions regarding colored pavements are contained in Chapter 3H.

Section ~~3A.06~~3A.04 Functions, Widths, and Patterns of Longitudinal Pavement Markings

Standard:

The general functions of longitudinal lines shall be as follows:

- A. A double line indicates maximum or special restrictions.
- B. A solid line discourages or prohibits crossing (depending on the specific application).
- C. A broken line indicates a permissive condition, ~~and~~
- D. A dotted lane line provides ~~guidance or~~ warning of a downstream change in lane function.
- E. A dotted line used as a lane line or edge line extension guides vehicles through an intersection, a taper area, or an interchange ramp area.

The widths and patterns of longitudinal lines shall be as follows:

- A. Normal width line—~~4 to 6 inches wide, 6 inches wide for freeways, expressways, and ramps; 6 inches for all other roadways with speed limits > 40 mph, 4 to 6 inches for all other roadways.~~
- B. Wide line—~~at least twice the width of a normal line~~ at least 8 inches in width if 4 inch or 5 inch normal width lines are used and at least 10 inches in width if 6 inch normal width lines are used.
- C. Double line—two parallel lines separated by a discernible space. The pavement surface shall be visible between the lines in the same way that it is visible outside the lines, except where contrast markings are used in combination with the double line (see Section 3A.03).
- D. Broken line—normal width line segments separated by gaps.
- E. Dotted line—noticeably shorter line segments separated by shorter gaps than used for a broken line. The width of a dotted line extension shall be at least the same as the width of the line it extends.

Guidance:

The discernible space separating the parallel lines of a double line should not exceed that which is necessary to be recognized as a double line rather than two separate, disassociated single lines.

Support:

The width of the line indicates the degree of emphasis.

Wide edge lines have been shown to be beneficial when applied in combination with horizontal alignment warning signs to enhance safety around curves and locations with a history of run off the road crashes (see Section 3B.09).

Guidance:

Broken lines should consist of 10-foot line segments and 30-foot gaps, or dimensions in a similar ratio of line segments to gaps as appropriate for traffic speeds and need for delineation, except within the circulatory roadway of a circular intersection as provided in Section 3D.02.

~~Support:~~

~~Patterns for dotted lines depend on the application (see Sections 3B.04 and 3B.08.)~~ Incorporated into existing Paragraph 6 and edited

~~Guidance:~~

A dotted line used as a lane line (see Section 3B.07) should consist of 3-foot line segments and 9-foot gaps. A dotted line for line extensions within an intersection, ~~or~~ taper area, or interchange ramp area (see Section 3B.11) should consist of 2-foot line segments and 2- to 6-foot gaps. The sequence of these sentences was reversed

~~Section 3A.03~~ 3A.05 **Maintaining Minimum Pavement Marking Retroreflectivity**

(This section reserved for future text based on FHWA rulemaking)

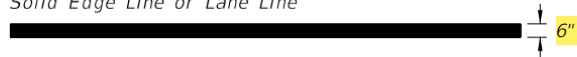
Part 3 NPAs **FDOT agrees/guidance changes needed**

■ Section 3A.04 – Functions, Widths, and Patterns of Longitudinal Pavement Markings (NPA 320)

32 B. Wide line ~~at least twice the width of a normal line~~ at least 8 inches in width if 4 inch or 5
33 inch normal width lines are used and at least 10 inches in width if 6 inch normal width lines are
34 used.

/ Current FDOT standard allows for widths of 8", 12", or 18" for solid channelizing lines. **FDOT to adjust Standard Plans and Basis of Estimates Manual for 10" wide line.**

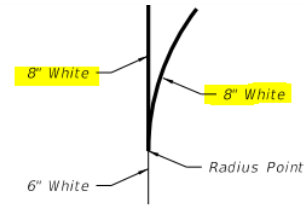
Solid Edge Line or Lane Line



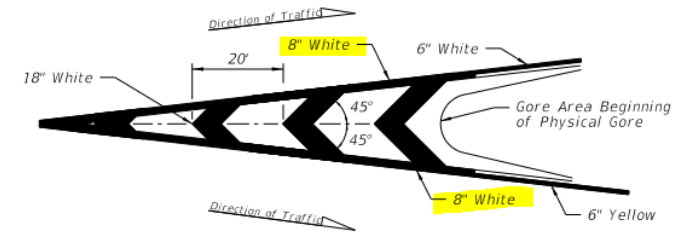
Solid Channelizing Line



FDOT Standard Plans 711-001, Sheet 2



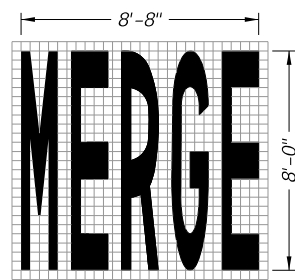
DETAIL "C"



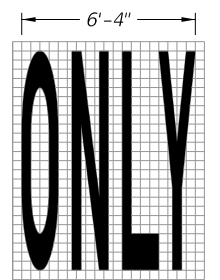
TRAFFIC CHANNELIZATION AT GORE

NOTE:
See Sheet 1 for "S" value.

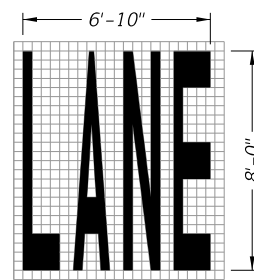
FDOT Standard Plans 711-001, Sheet 8



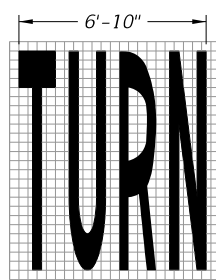
34 S.F.



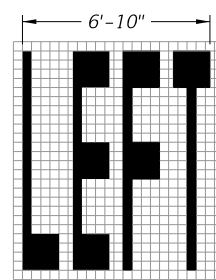
22 S.F.



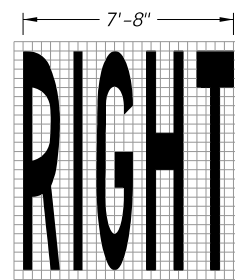
23 S.F.



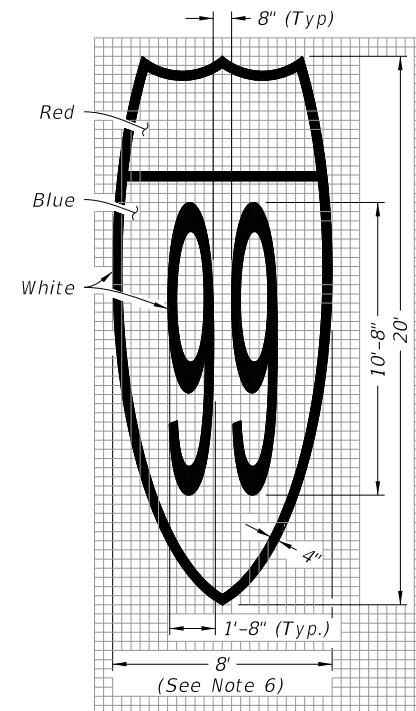
24 S.F.



20 S.F.

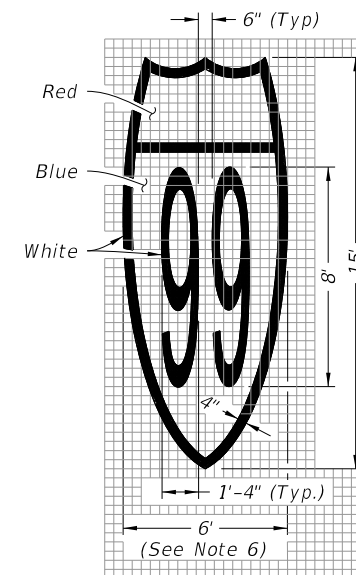


26 S.F.



Route Shield for Limited Access Roadways (Interstate Route Shield Shown; U.S. and State Route Shield Similar)

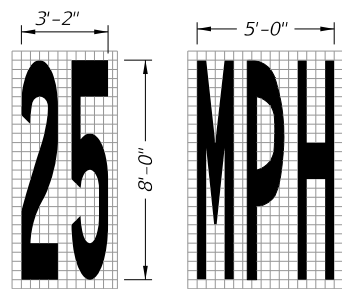
128 S.F.



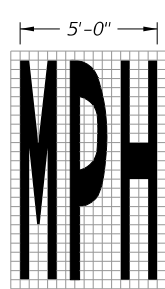
Route Shield for Arterials and Collectors (Interstate Route Shield Shown; U.S. and State Route Shield Similar)

72 S.F.

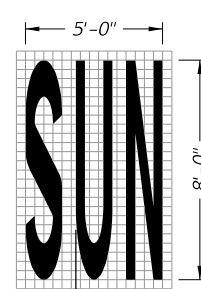
ADDED: In Pavement Warning Marking



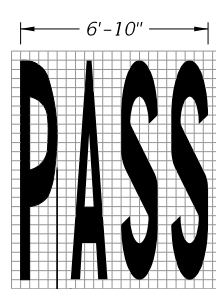
13 S.F.



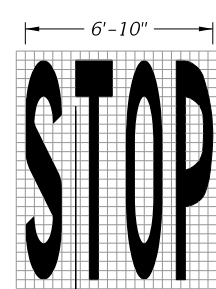
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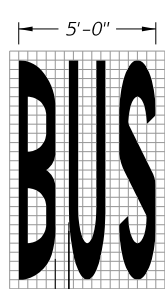
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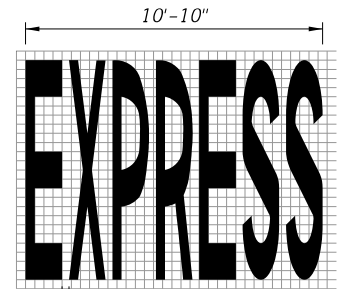
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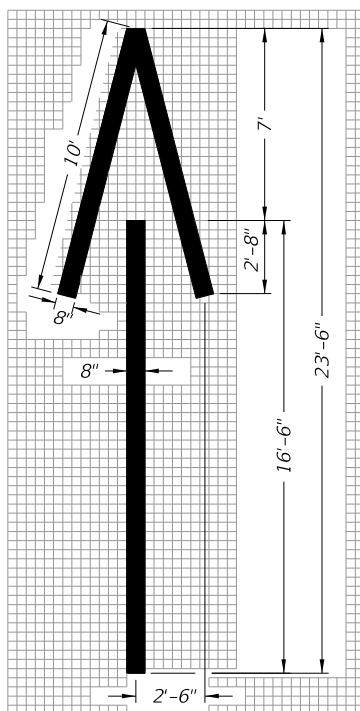
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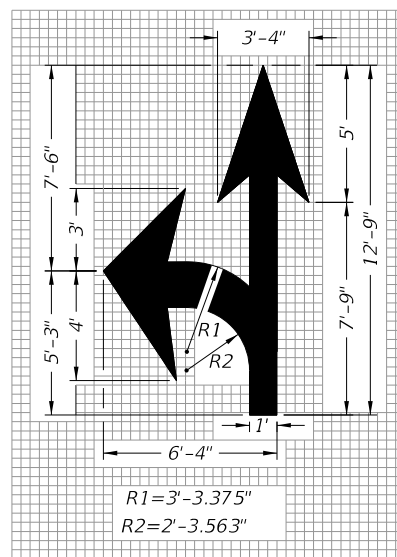
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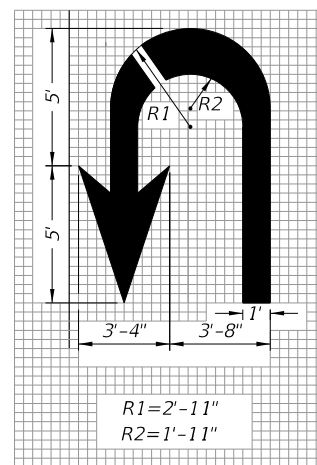
43 S.F.



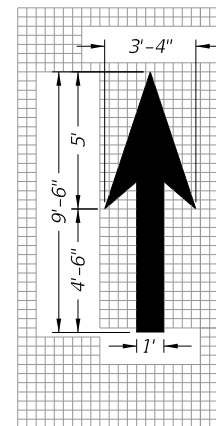
Wrong-Way Arrow
24 S.F.



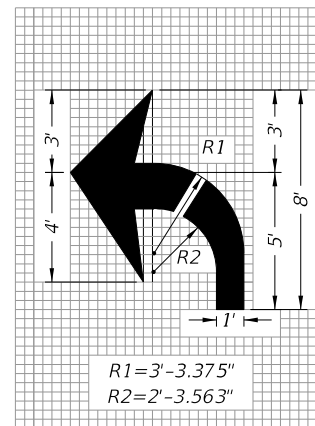
Turn and Through Lane-Use Arrow
29 S.F.



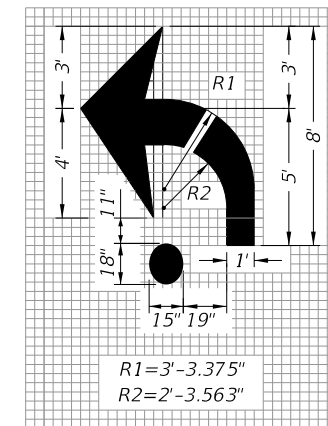
U Turn Lane-Use Arrow
27 S.F.



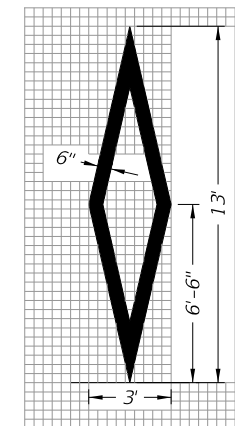
Through Lane-Use Arrow
12 S.F.



Turn Lane-Use Arrow (Left Turn Shown - Right Turn Similar)
17 S.F.



Roundabout Approach Arrow
19 S.F.



Preferential Lane Symbol
11 S.F.

NOTES FOR PAVEMENT MESSAGES:

- When an arrow or another pavement message is used with a pavement message, maintain a minimum distance of "S" between items, measured from the base of each item. See the Pavement Message Spacing Table for "S" value.
- Place all pavement messages 25' back from the stop line.

- Dimensions are within 1" ±.
- All grids are 4" x 4".
- All pavement messages must be white except route shields.
- Increase width of route shield for routes with three digits.

DELETED

PAVEMENT MESSAGE SPACING TABLE	
Posted Speed (mph)	Distance "S" (feet)
≤ 25	40
30 - 35	56
40 - 45	72
≥ 50	88

PAVEMENT MESSAGE AND ARROW DETAILS

GENERAL NOTE:

- See Index 509-070 for pavement markings at railroad crossings.

Renumbered

2/5/2021 11:53:33 AM

LAST REVISION	DESCRIPTION:
02/05/21	Added railroad pavement marking details.



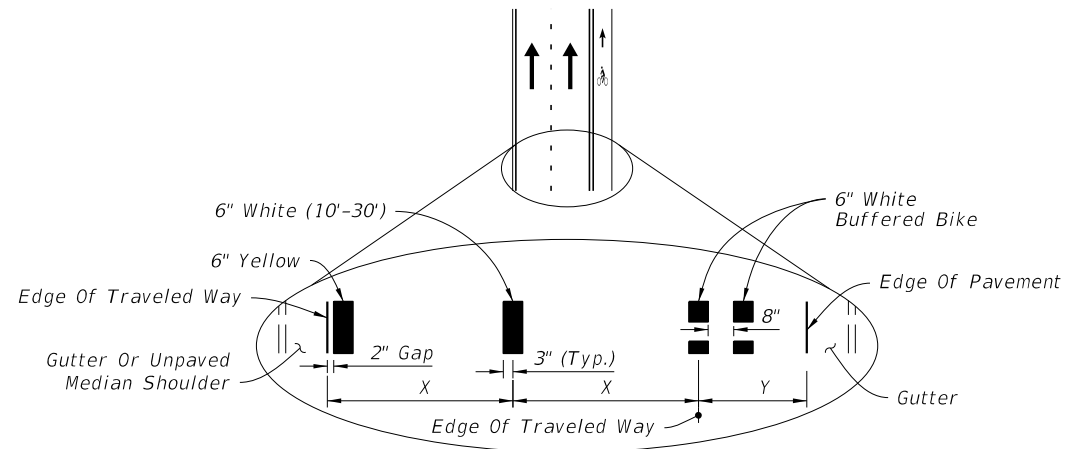
FY 2021-22
STANDARD PLANS

PAVEMENT MARKINGS

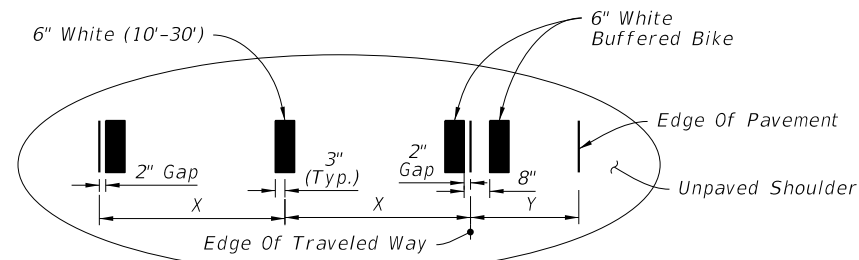
INDEX
711-001

SHEET 13
1 of 14

2/5/2021 11:53:38 AM



CURB AND GUTTER

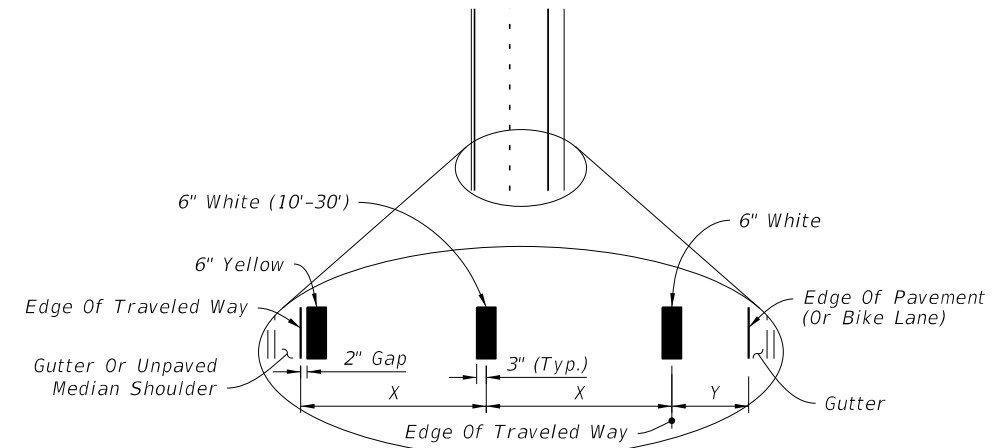


FLUSH SHOULDER

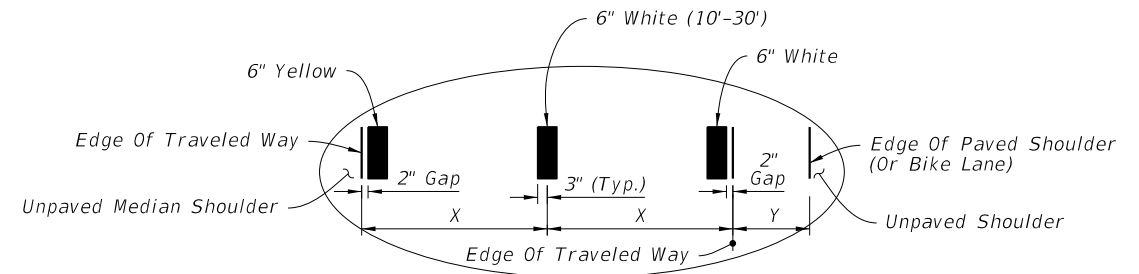
X = LANE WIDTH (FT.)

Y = BUFFERED BIKE LANE WIDTH (FT.)

STRIPING FOR BUFFERED BIKE LANE



CURB AND GUTTER

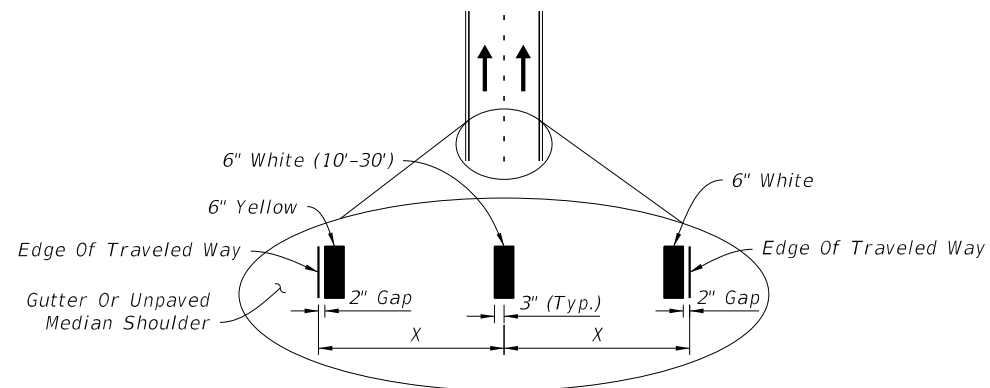


FLUSH SHOULDER

X = LANE WIDTH (FT.)

Y = PAVED SHOULDER / BIKE LANE

STRIPING WITH SHOULDER OR NON-BUFFERED BIKE LANE



X = LANE WIDTH (FT.)

STRIPING WITH NO SHOULDER OR BIKE LANE

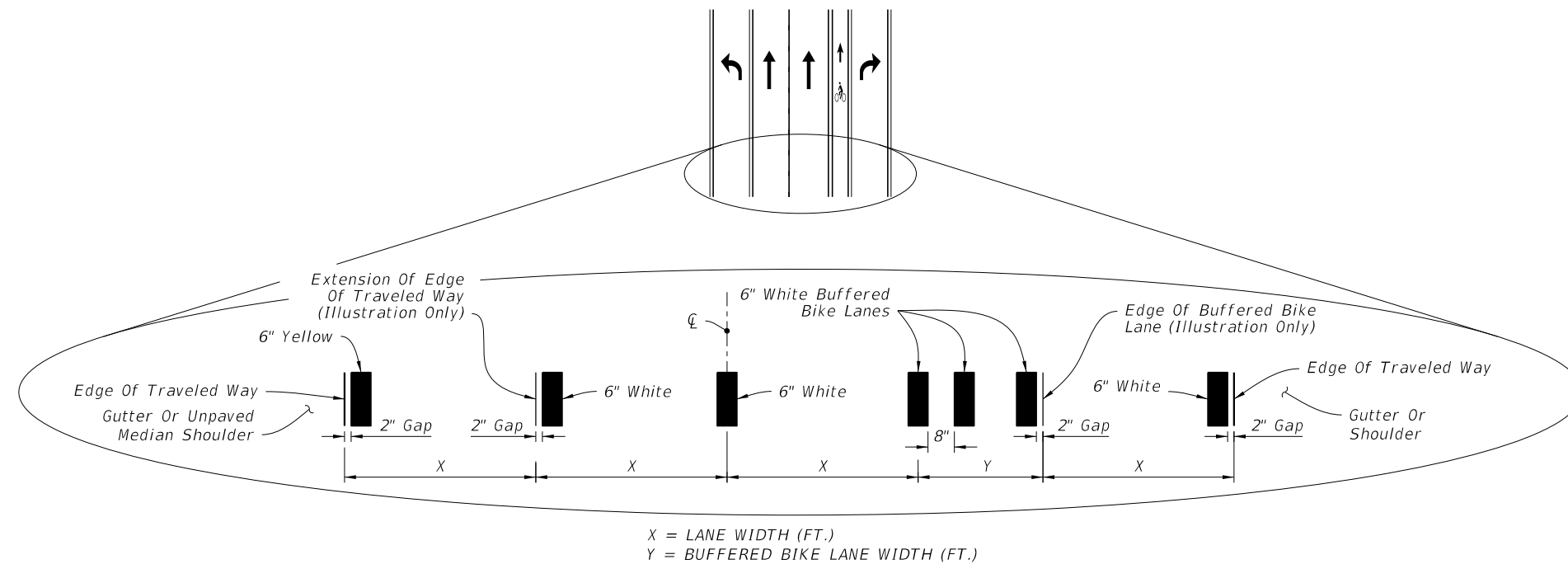
NOTES:

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

Renumbered

PLACEMENT OF LONGITUDINAL PAVEMENT MARKINGS

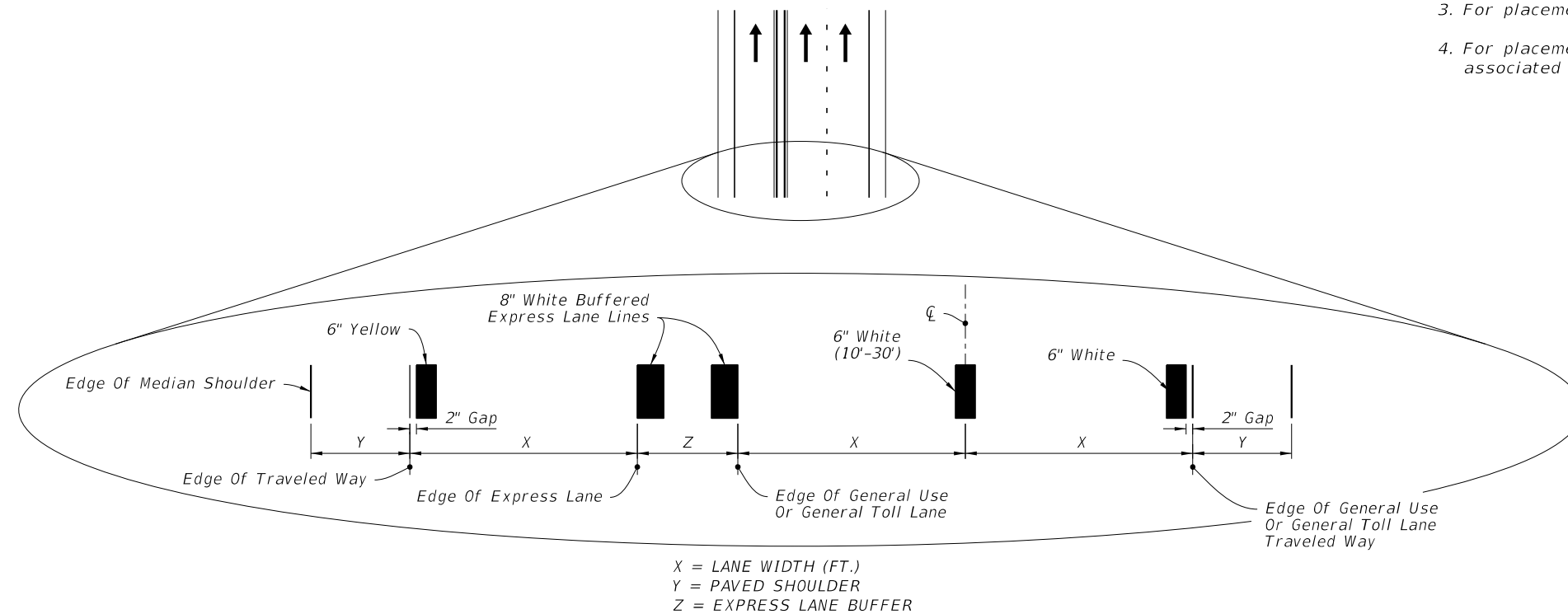
LAST REVISION 02/05/21	REVISION 11/01/21	DESCRIPTION: Added railroad pavement marking details.	FDOT FY 2021-22 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 3 of 14 13
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INTERSECTION APPROACH STRIPING WITH TURN LANES AND BUFFERED BIKE LANE KEY HOLE

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.



BUFFERED EXPRESS LANE STRIPING

PLACEMENT OF LONGITUDINAL PAVEMENT MARKINGS

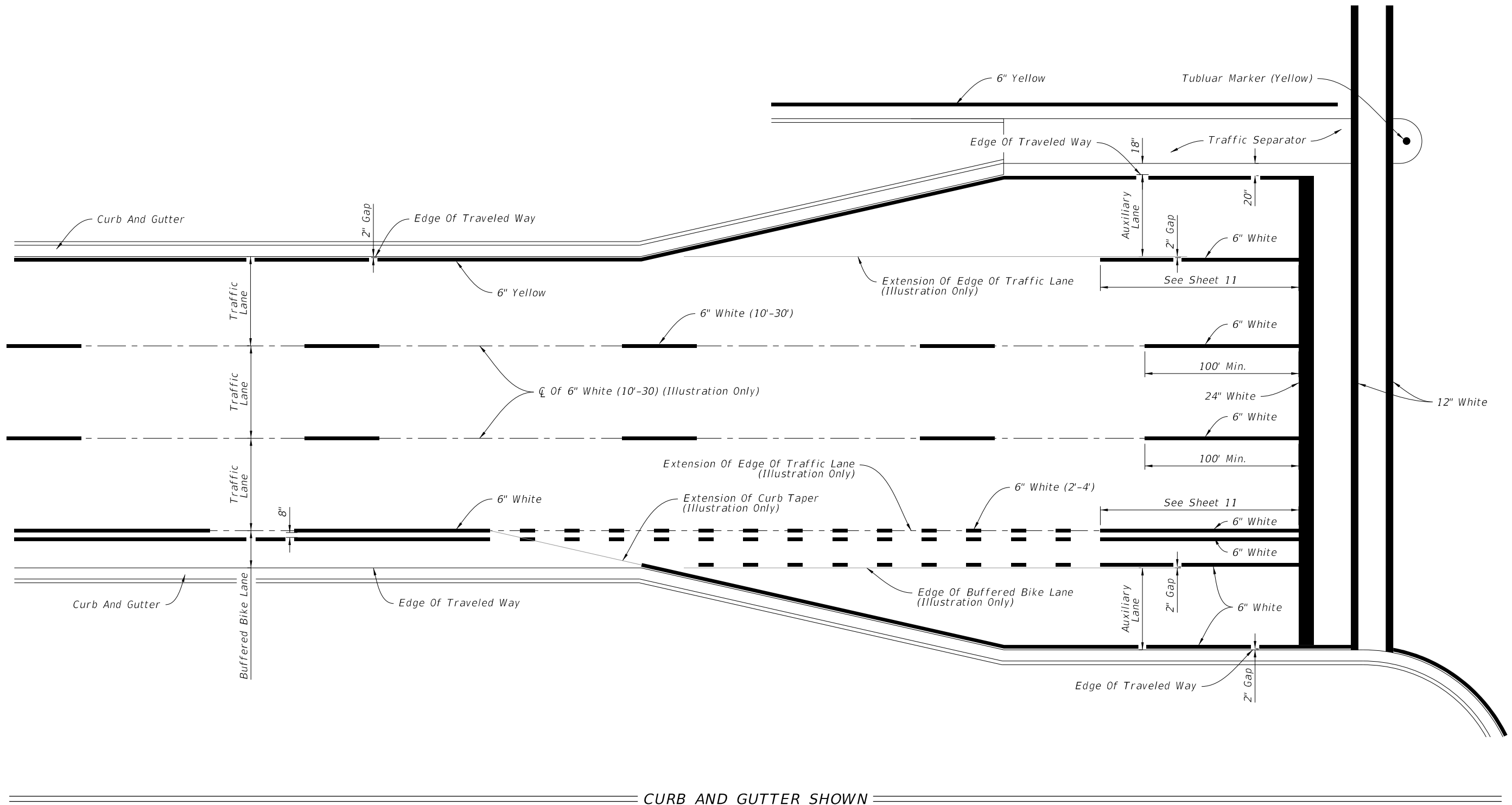
Renumbered

11/01/21

2/5/2021 11:53:40 AM

LAST REVISION	DESCRIPTION:	FDOT	FY 2021-22 STANDARD PLANS	PAVEMENT MARKINGS	INDEX	SHEET
02/05/21	Added railroad pavement marking details.				711-001	13
						4 of 14

2/5/2021 11:53:41 AM



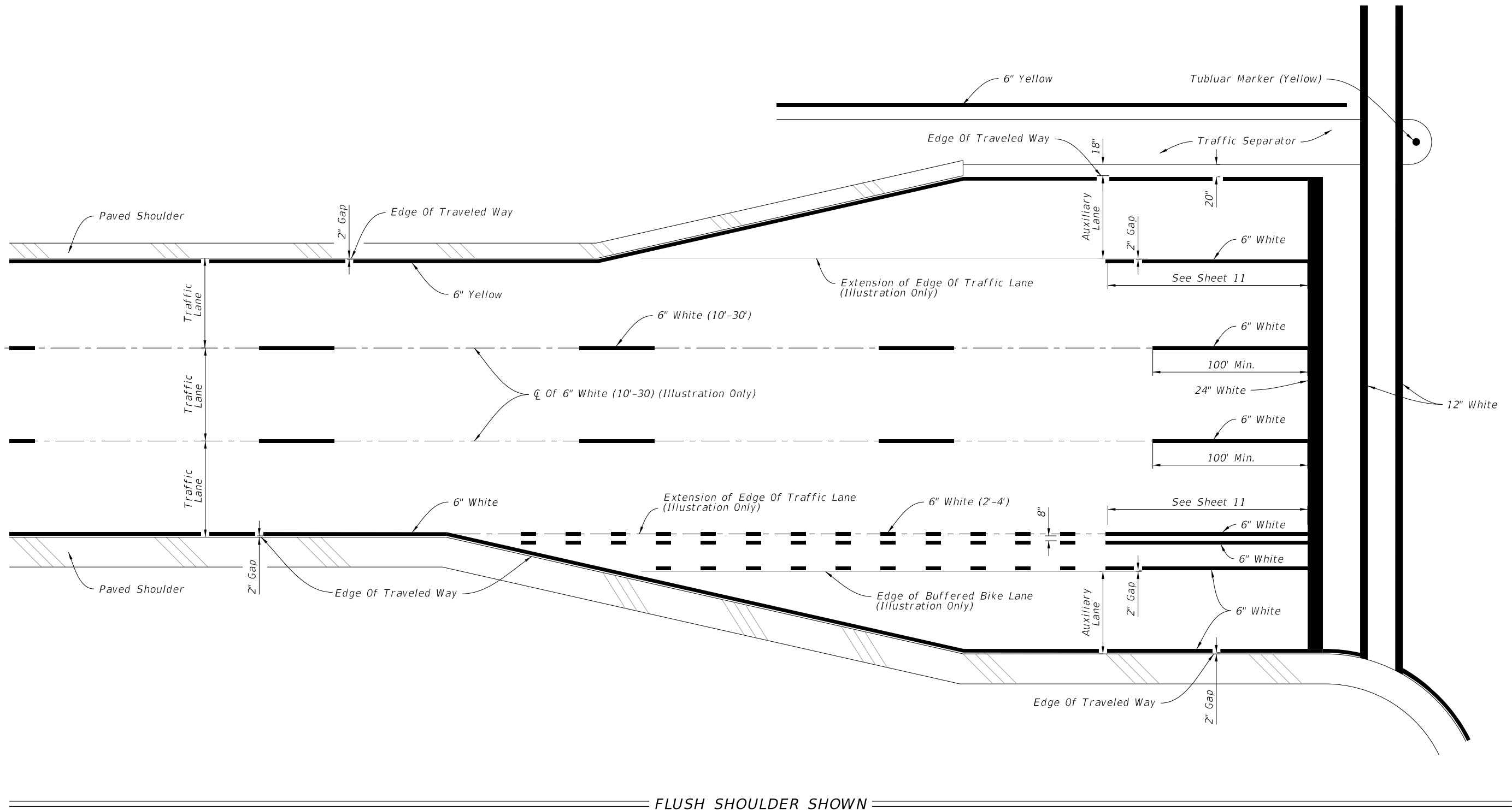
11/01/21

Renumbered

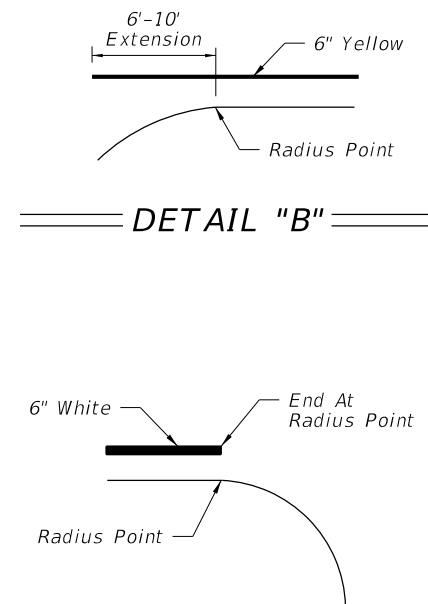
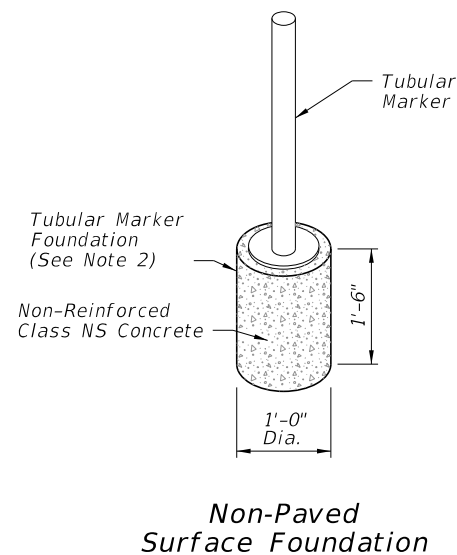
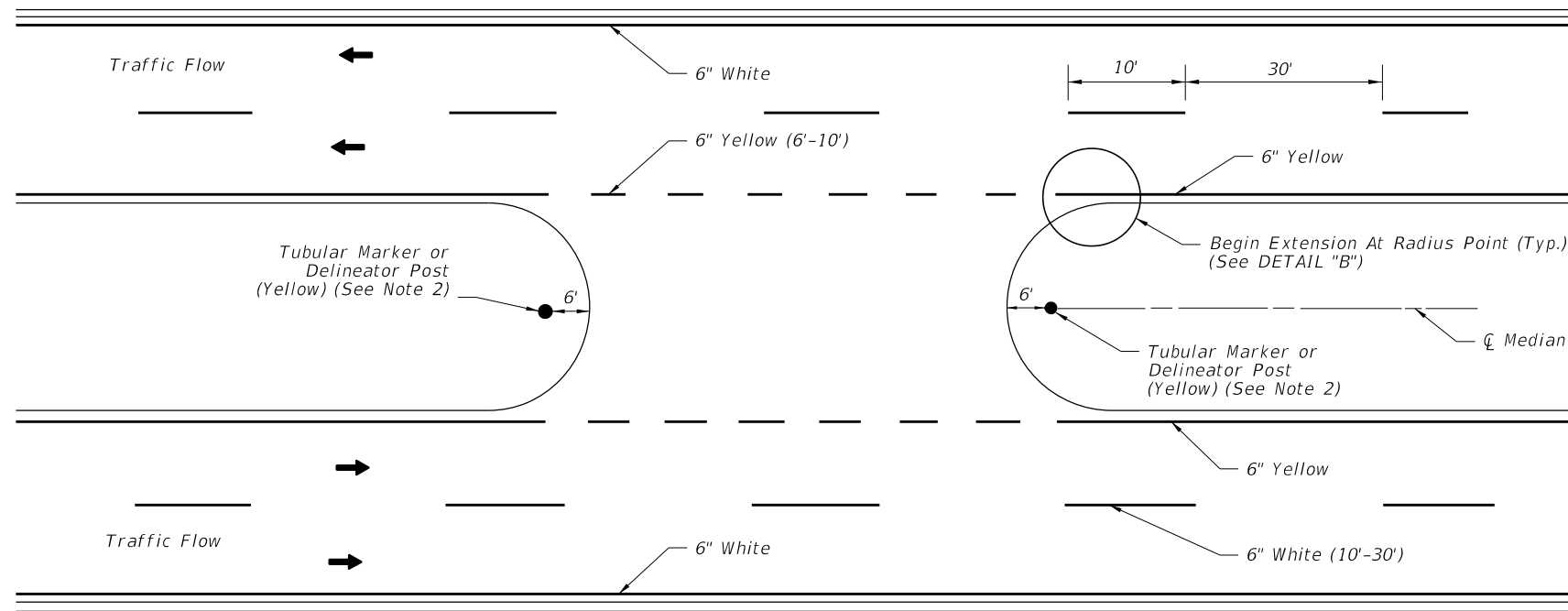
PLACEMENT OF LONGITUDINAL PAVEMENT MARKINGS

LAST REVISION 02/05/21	REVISION Added railroad pavement marking details.	DESCRIPTION: Added railroad pavement marking details.	FDOT FY 2021-22 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 5 of 14 13
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2/5/2021 11:53:42 AM



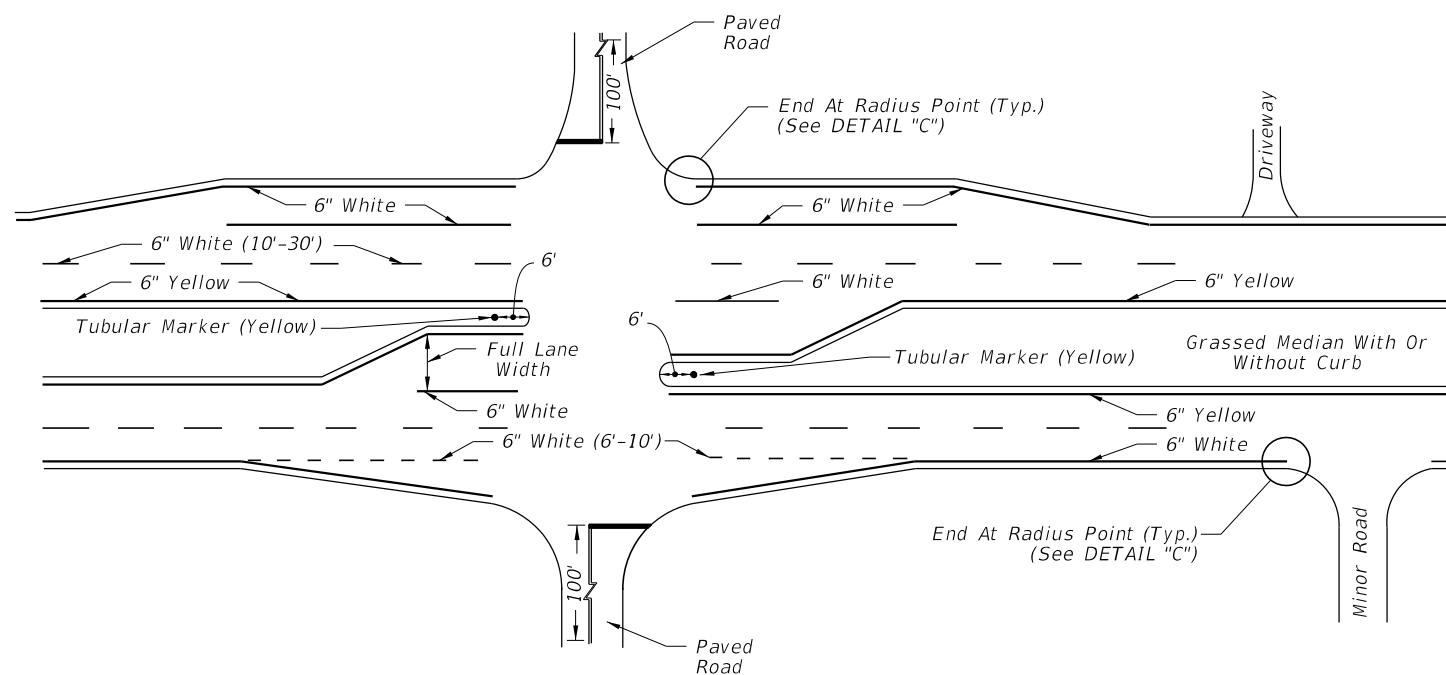
LAST REVISION 02/05/21	REVISION DESCRIPTION: Added railroad pavement marking details.	FDOT FY 2021-22 STANDARD PLANS	PLACEMENT OF LONGITUDINAL PAVEMENT MARKINGS PAVEMENT MARKINGS	INDEX 711-001	SHEET 13 6 of 14
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PAVEMENT MARKINGS AND DELINEATORS FOR MEDIAN CROSSOVER

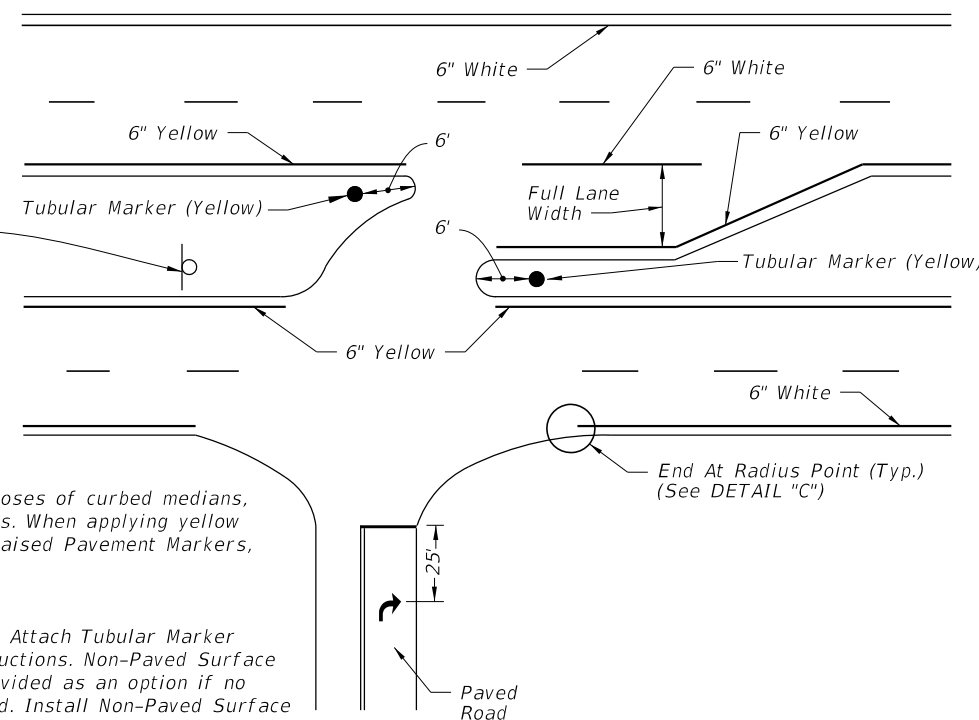
DETAIL "A"

DETAIL "C"



NOTE:

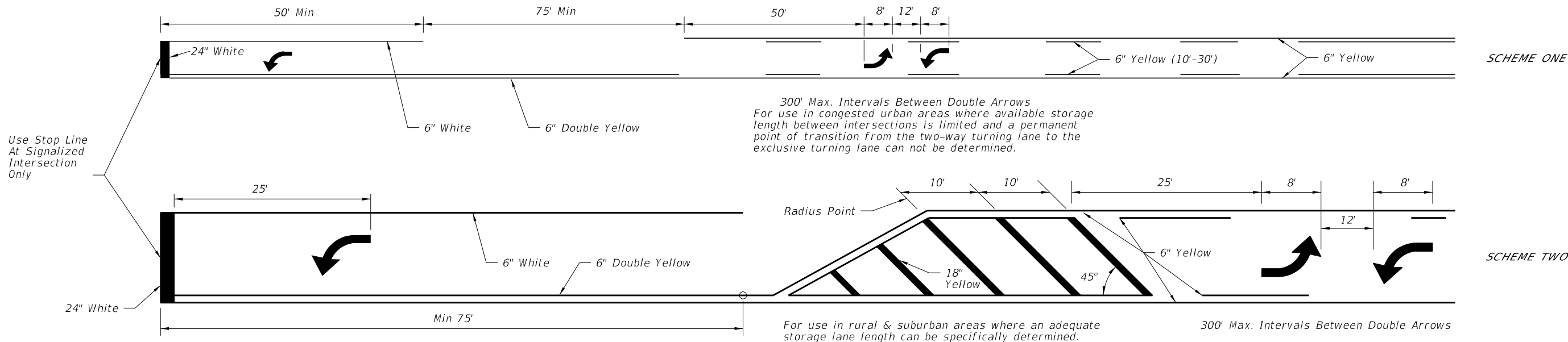
1. Apply yellow reflective paint to the noses of curbed medians, traffic separators, and raised islands. When applying yellow reflective paint in conjunction with Raised Pavement Markers, see Index 706-001.
2. Options for grassed medians:
 - A. Option 1: Tubular Marker (Yellow). Attach Tubular Marker 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.



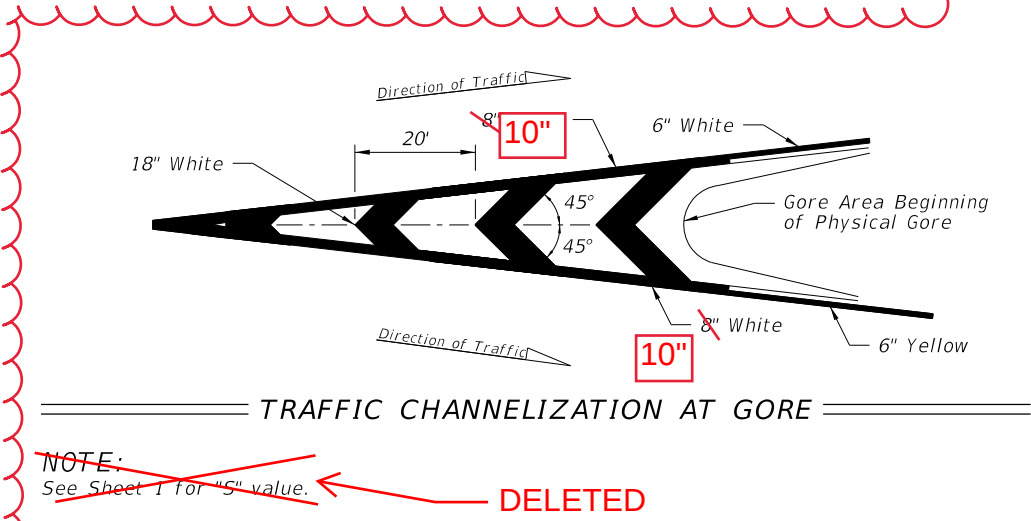
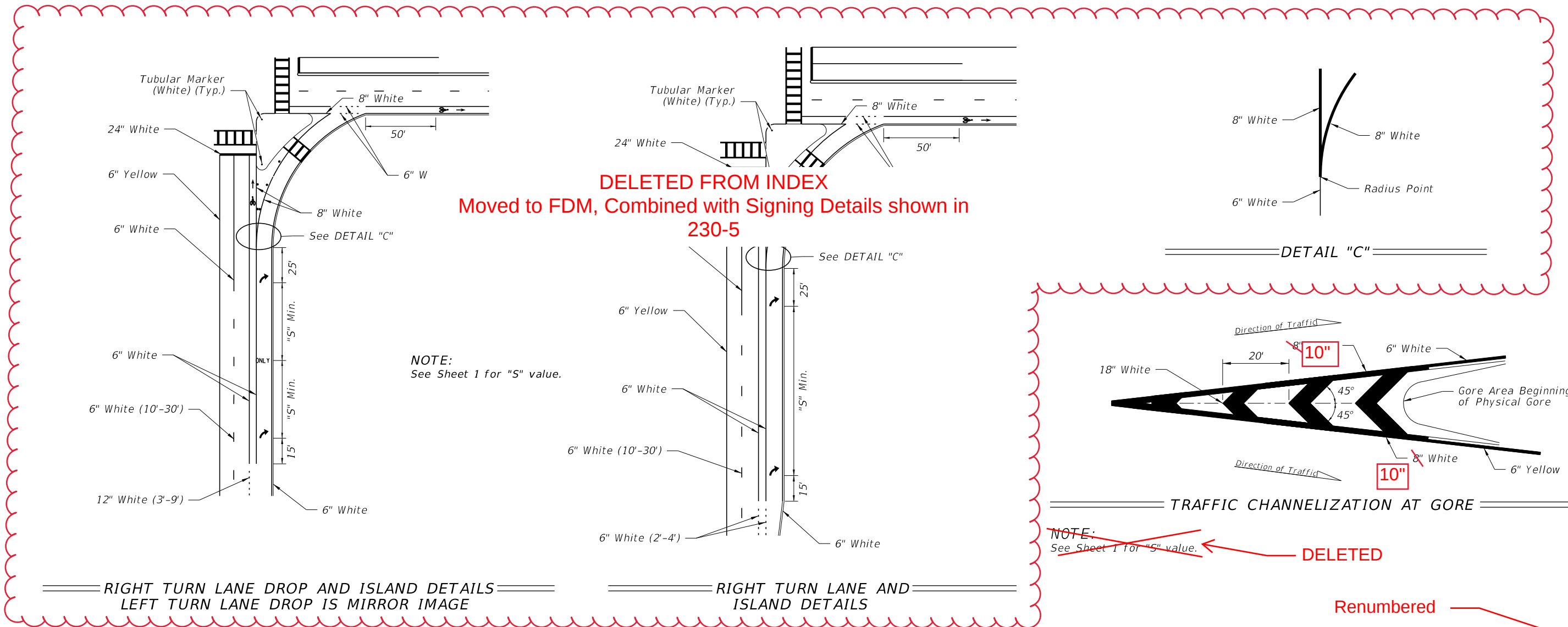
PAVEMENT MARKINGS FOR INTERSECTIONS WITH MAJOR AND MINOR ROADS

Renumbered

LAST REVISION 02/05/21	DESCRIPTION: Added railroad pavement marking details.	FDOT FY 2021-22 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 7 of 14 13
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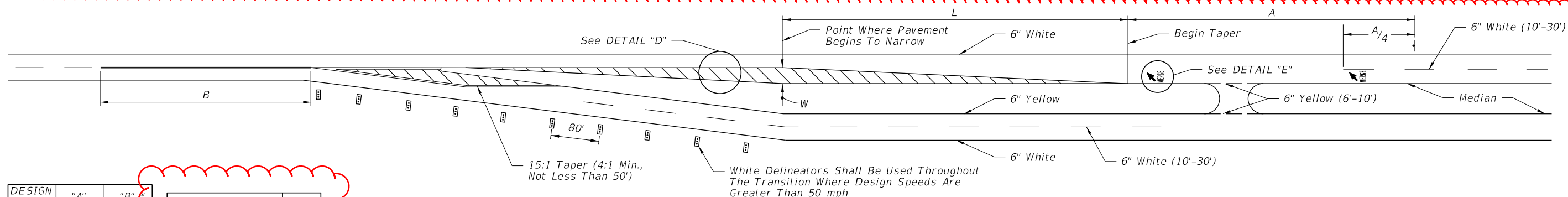


TWO WAY LEFT TURN LANE
(With Single Lane Left Turn Channelization)



2/5/2021 11:53:47 AM

LAST REVISION 02/05/21	DESCRIPTION: Added railroad pavement marking details. 11/01/21	 FY 2021-22 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 14 13 8 of 14
--------------------------------------	---	---	-------------------	------------------	--



DESIGN SPEED (MPH)	"A" (FT.)	"B" (FT.)
60	---	640
55	950	595
50	850	550
45	750	500
40	650	455
30	450	365

* 50' Minimum

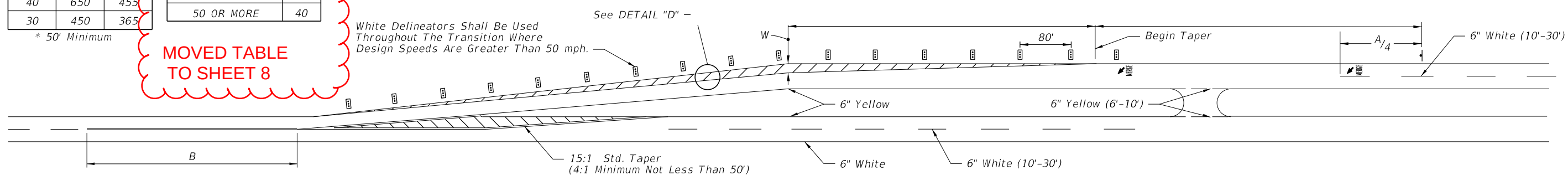
POSTED SPEED LIMIT MPH	"Y" (FT.)
30 OR LESS	10
35	20
40	20
45	30
50 OR MORE	40

DESIGN SPEED 'S' (MPH)	Length 'L' (FT.)
40 or Less	$L = WS^2/60$
45 or Greater	$L = WS$

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

LEFT ROADWAY CENTERED ON EXISTING ROADWAY

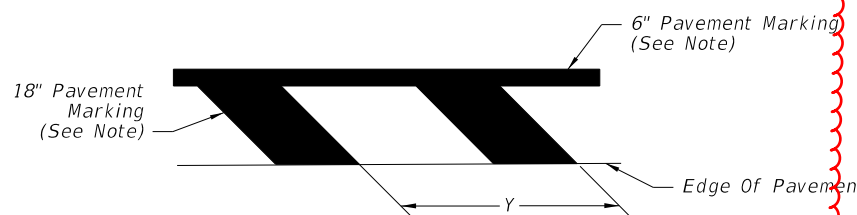
Deleted from Index.
 Moved to FDM, Combine with Signing Details shown on 230-5.



RIGHT ROADWAY CENTERED ON EXISTING ROADWAY

SCHEMES FOR TRANSITION - 2 LANE / 4 LANE ROADWAY

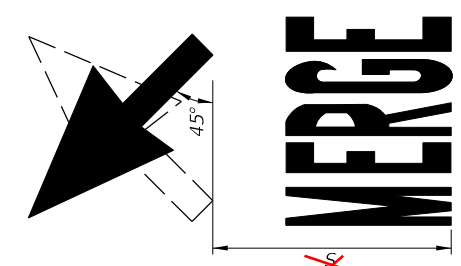
DELETED FROM INDEX
 Moved to FDM, Combined with Signing Details shown in 230-5



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

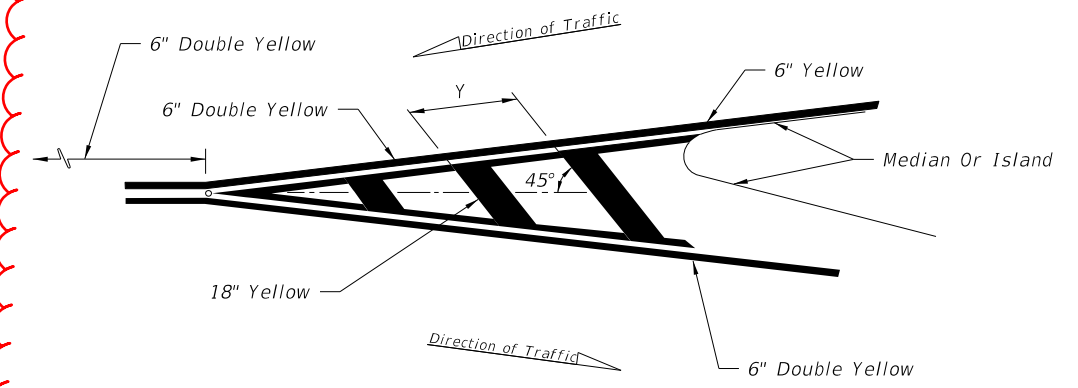
DETAIL "D"

MOVED DETAILS TO SHEET 2



DETAIL "E"

MOVED DETAILS TO SHEET 8



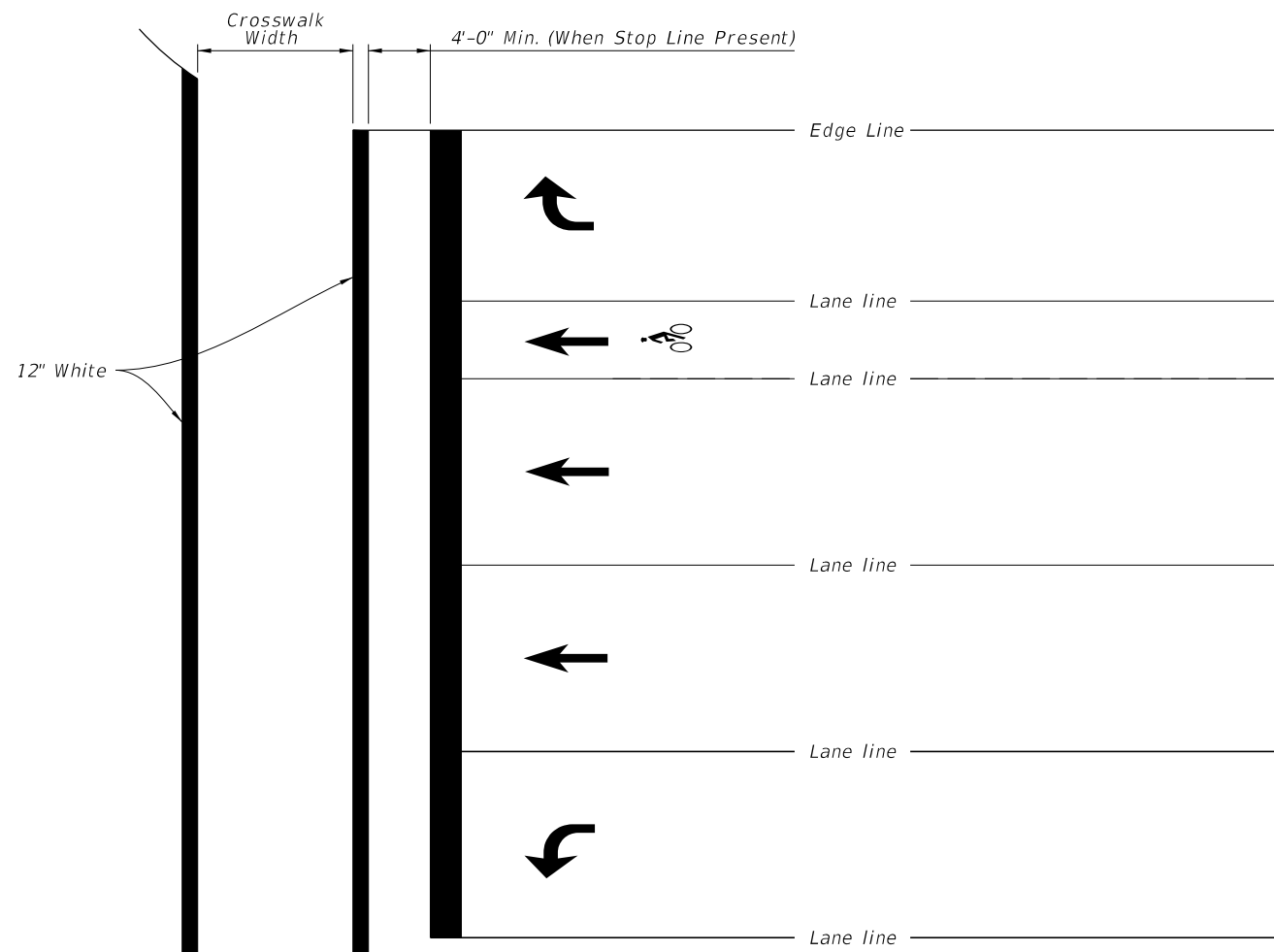
MARKINGS FOR TRAFFIC SEPARATION

CHANGED TO: 25

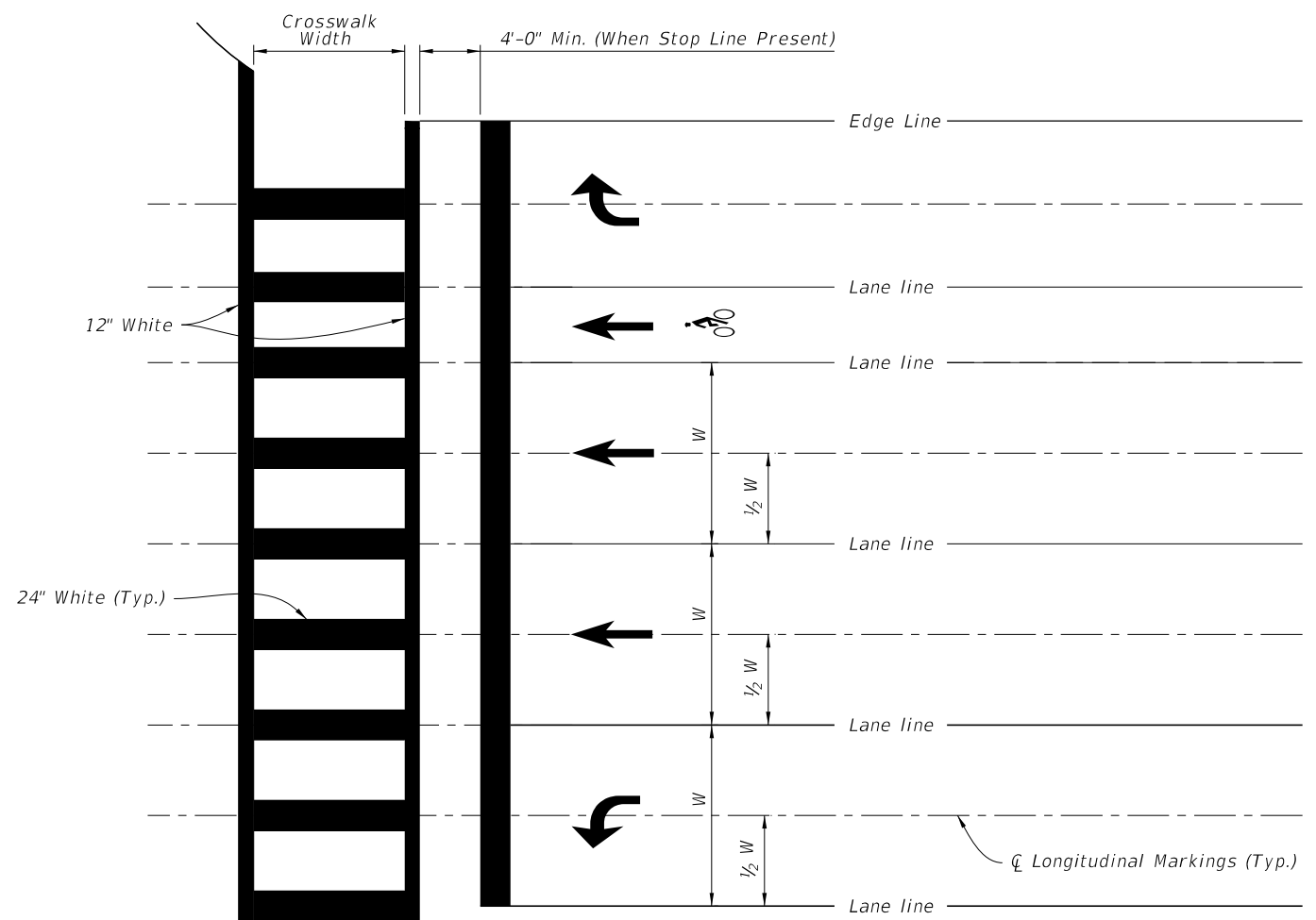
DELETED NOTE

CHANGED TO: Marking for Merge

2/6/2021 11:35:46 AM



STANDARD CROSSWALK DETAILS



SPECIAL EMPHASIS CROSSWALK DETAILS

NOTES:

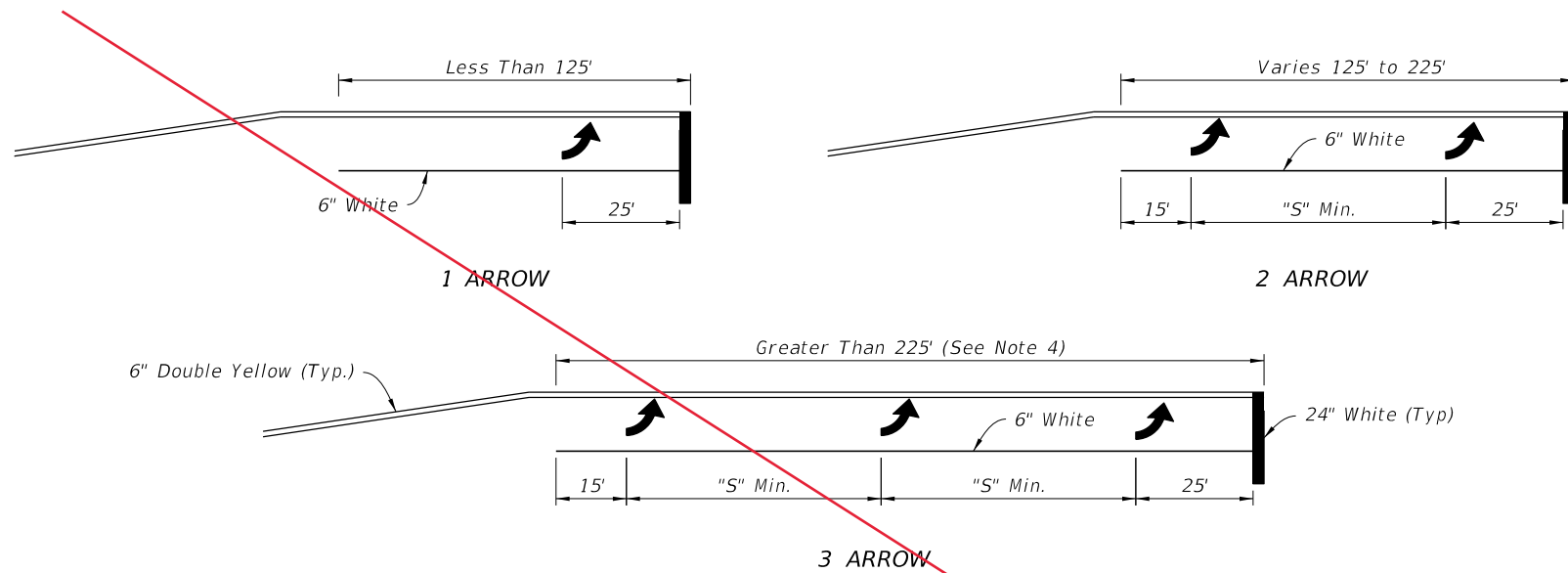
1. For crosswalk width, exceed width of the adjacent sidewalk, but do not make width less than 6' for intersection crosswalks and 10' for midblock crosswalks. Measure width from the inside of the transverse crosswalk markings.
2. When the Special Emphasis Crosswalk is not perpendicular to the lane lines, make the longitudinal markings parallel to the lane lines.
3. Refer to Index 522-002 when Curb Ramps are present.

2/5/2021 11:53:51 AM

11/01/21

9 of 13

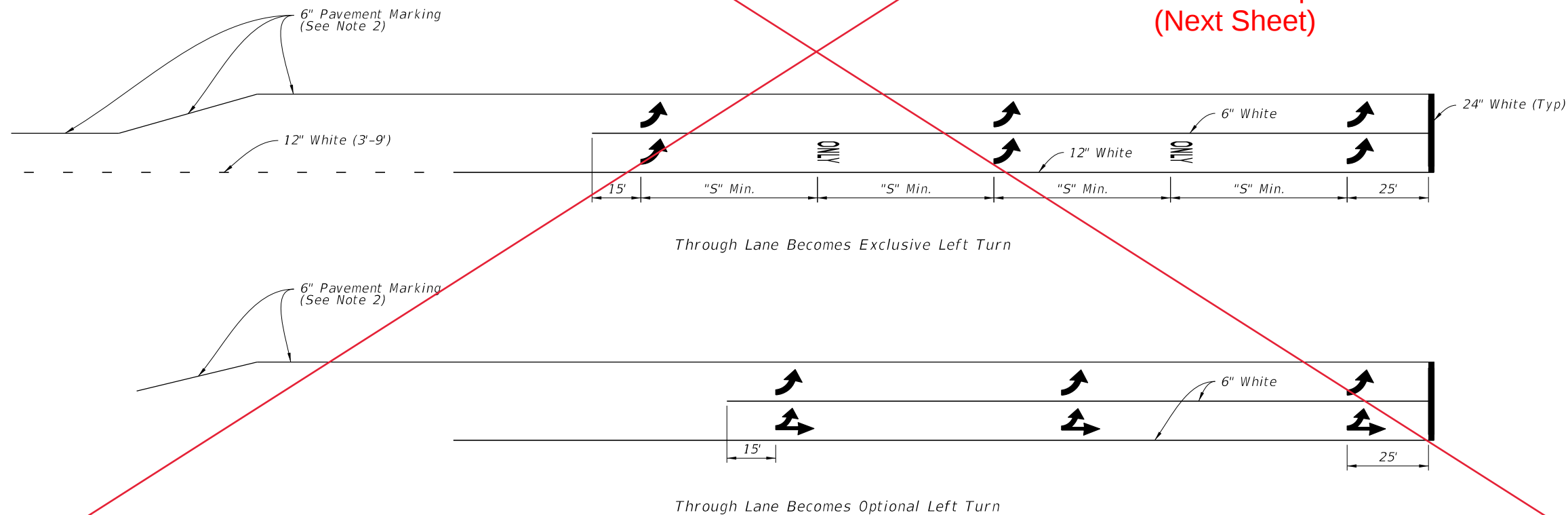
LAST REVISION 02/05/21	DESCRIPTION: Added railroad pavement marking details.	FDOT FY 2021-22 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 10 of 14
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- NOTES:**
1. This Index also applies to right turn lanes.
 2. Make pavement marking yellow for 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.

SINGLE LEFT TURNS

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



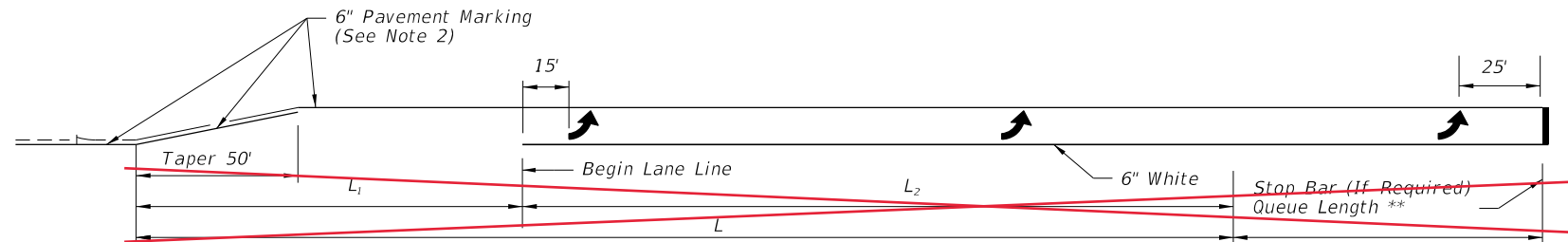
DOUBLE LEFT TURNS

2/5/2021 11:53:52 AM

11/01/21

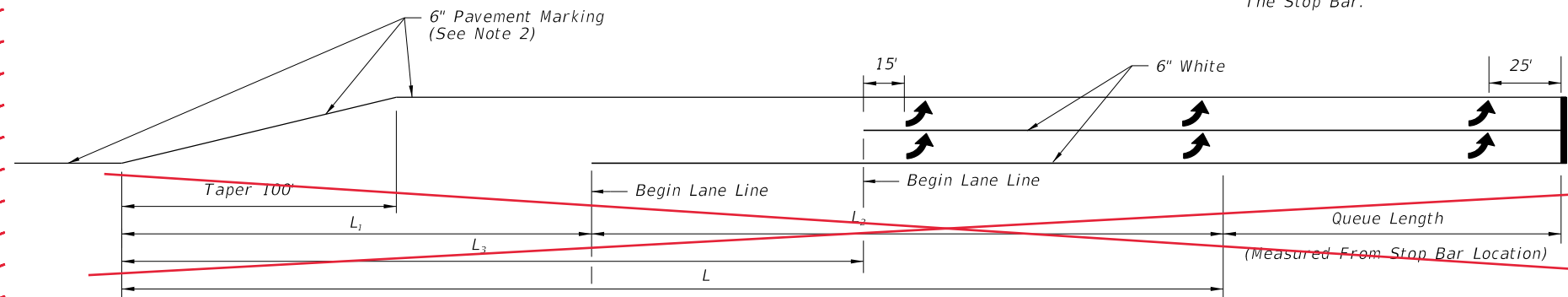
TURN LANE MARKINGS

LAST REVISION 02/05/21	DESCRIPTION: Added railroad pavement marking details.	FDOT FY 2021-22 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 11 of 14
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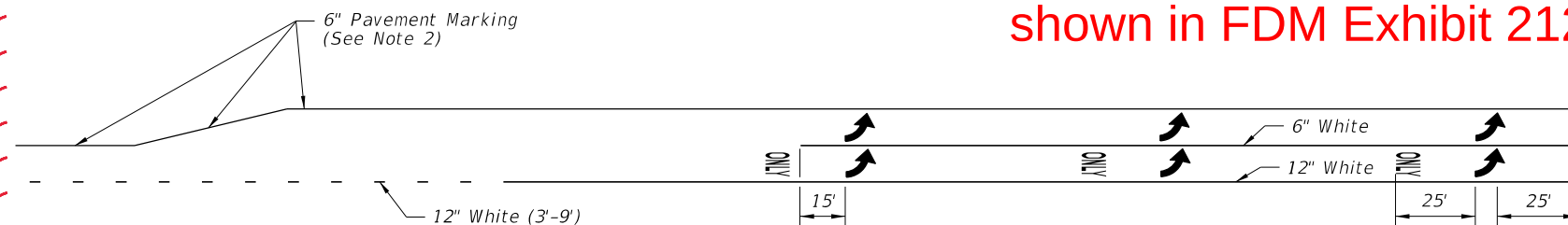


SINGLE LEFT TURNS

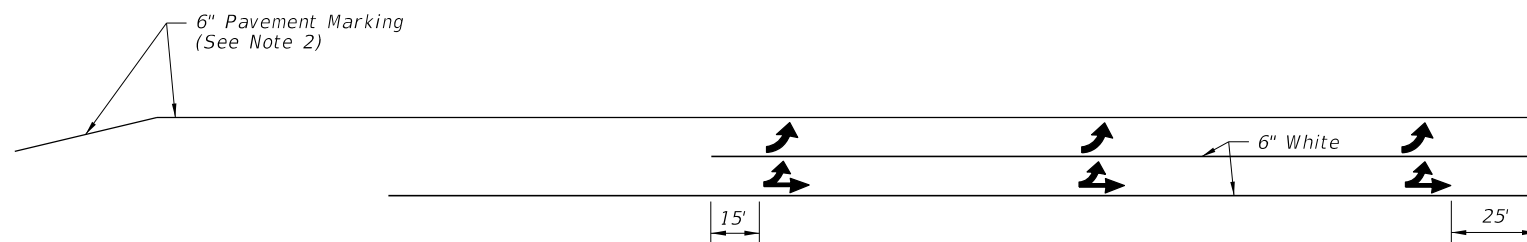
** Queue Length Is Measured From The Median Nose Radial Point Or, When A Stop Bar Is Required, From The Stop Bar.



Delete redundant information shown in FDM Exhibit 212-1.



Through Lane Becomes Exclusive Left Turn

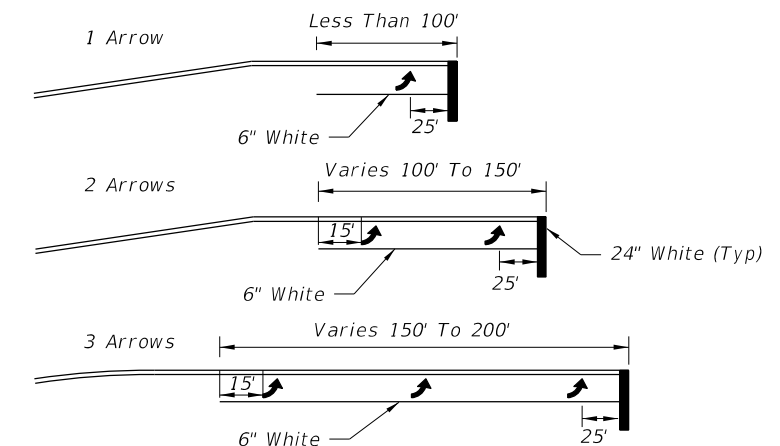


Through Lane Becomes Optional Left Turn

DOUBLE LEFT TURNS

TURN LANE MARKINGS

TURN LANES • CURBED AND UNCURBED MEDIANS							
Design Speed (mph)	Clearance Distance L_1	URBAN CONDITIONS			RURAL CONDITIONS		
		Brake To Stop Distance L_2	Total Decel. Distance L	Clearance Distance L_3	Brake To Stop Distance L_2	Total Decel. Distance L	Clearance Distance L_3
35	70'	75'	145'	110'	—	—	—
40	80'	75'	155'	120'	—	—	—
45	85'	100'	185'	135'	—	—	—
50	105'	135'	240'	160'	185'	290'	160'
55	125'	—	—	—	225'	350'	195'
60	145'	—	—	—	260'	405'	230'
65	170'	—	—	—	290'	460'	270'



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

NOTES:

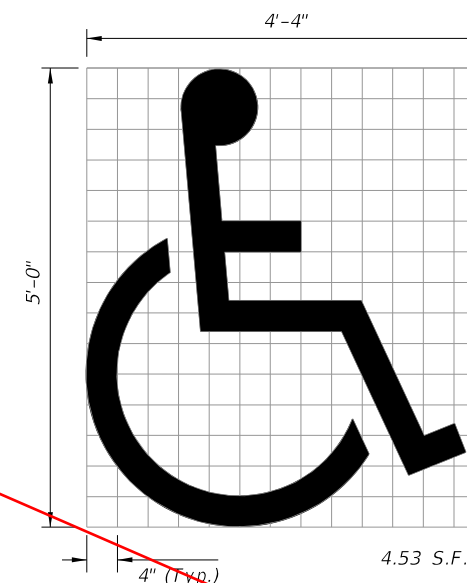
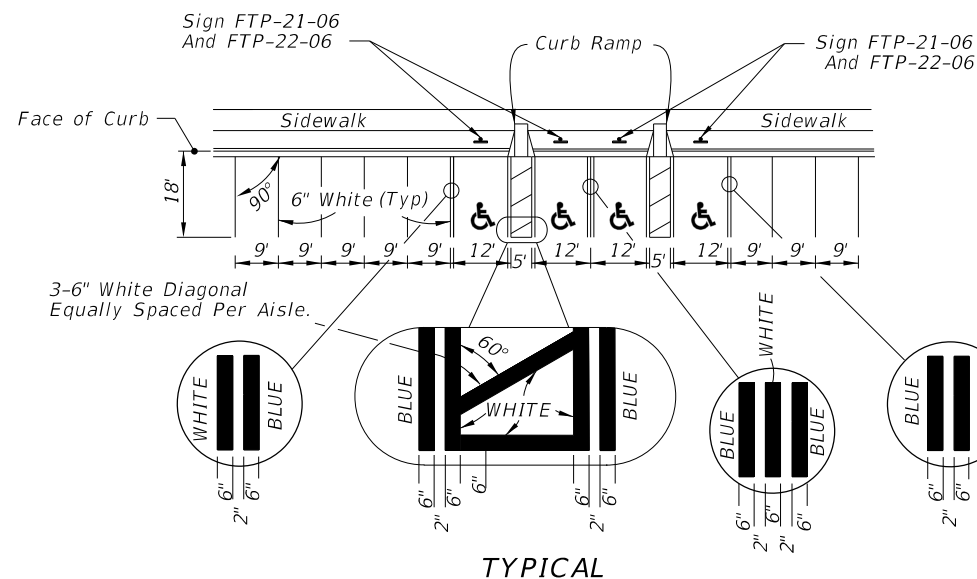
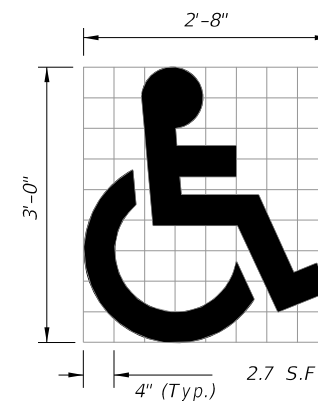
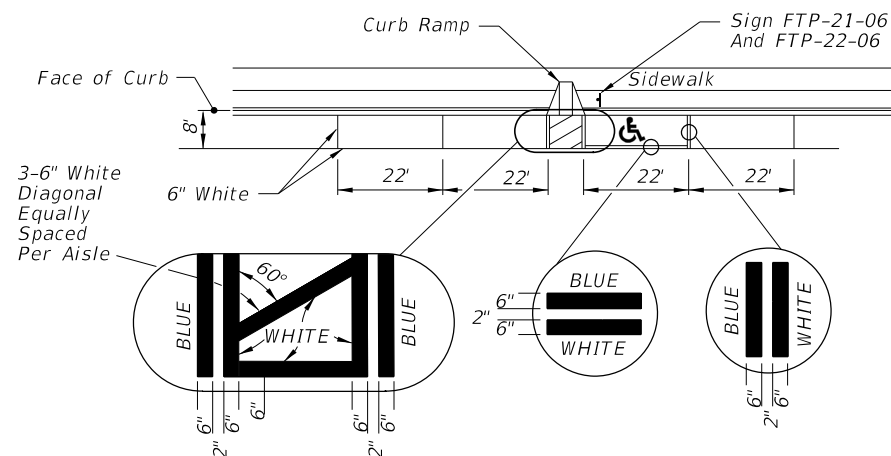
1. This Index also applies to right turn lanes.
2. Make pavement marking yellow for left-turn lanes and white for right-turn lanes.

Added Title

ARROW SPACING AND TURN LANE MARKINGS

Renumbered

11/1/2017 2:33:16 PM



CHANGED REFERENCE TO: Note 5

(See Note 6)

UNIVERSAL SYMBOL OF ACCESSIBILITY

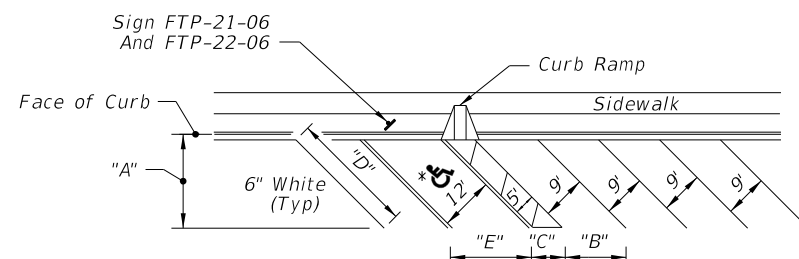
NOTES:

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. Tint blue pavement markings to match color 15180 of Federal Standard 595a.
5. Mount FTP-22-06 sign below the FTP-21-06 sign.
6. 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.

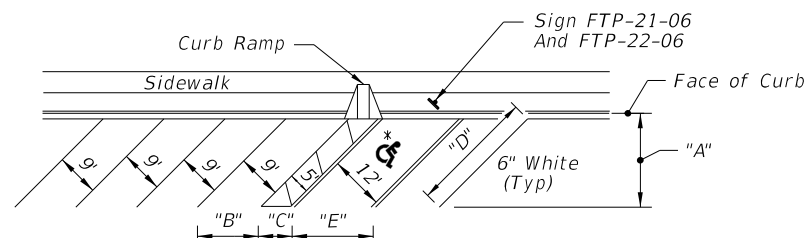
RENUMBERED

4. 5. Mount FTP-22-06 sign below the FTP-21-06 sign.

5. 6. 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.



FORWARD-IN PARKING



REVERSE-IN PARKING

* FOR ACCESSIBLE MARKINGS - SEE ABOVE

DIMENSIONS					
Δ θ	"A"	"B"	"C"	"D"	"E"
45°	17'-0"	12'-9"	7'-0"	24'-0"	17'-0"

PAVEMENT MARKING FOR PARKING

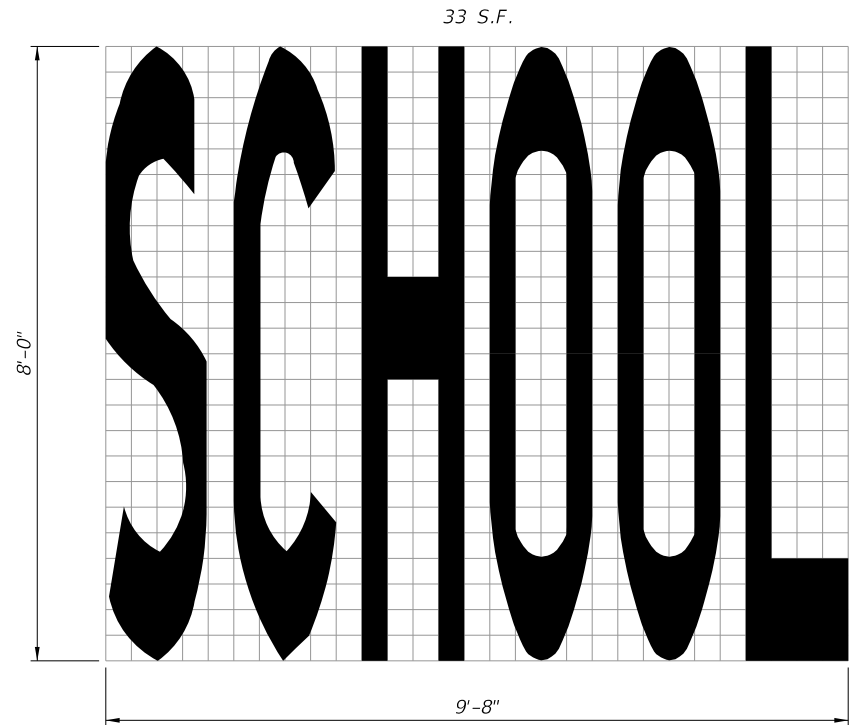
11/01/21

11 of 13

2/5/2021 11:53:53 AM

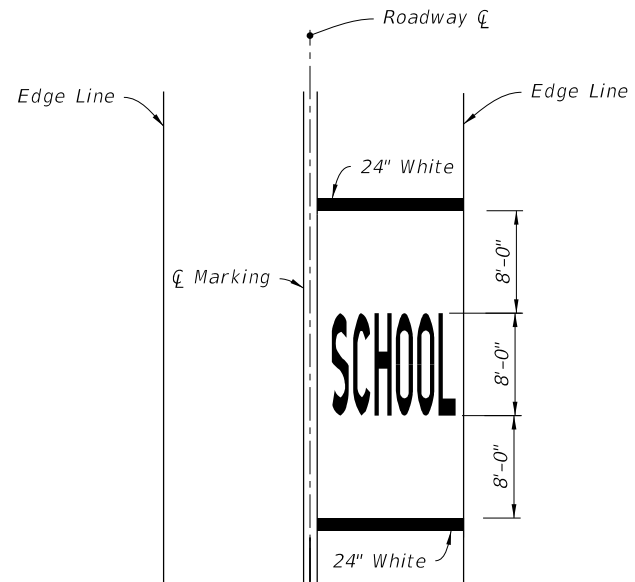
LAST REVISION 02/05/21	DESCRIPTION: Added railroad pavement marking details.	FDOT FY 2021-22 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 12 of 14
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2/5/2021 11:53:57 AM

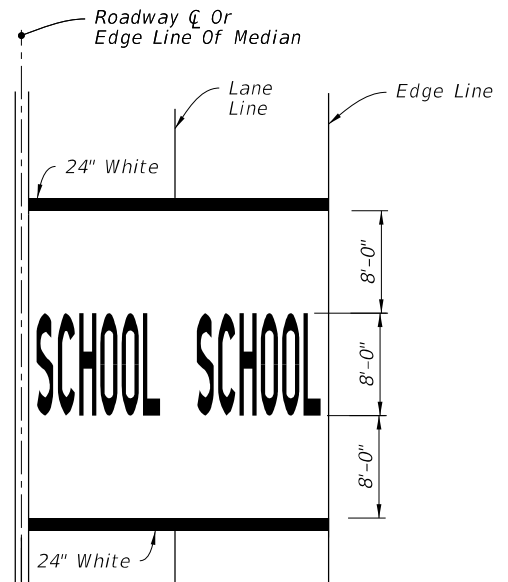


- NOTES:**
- 1. All grids are 4" x 4".
 - 2. Pavement Marking Should Not Extend Into Opposing Lane.
 - 3. Center School Pavement Marking in lane.

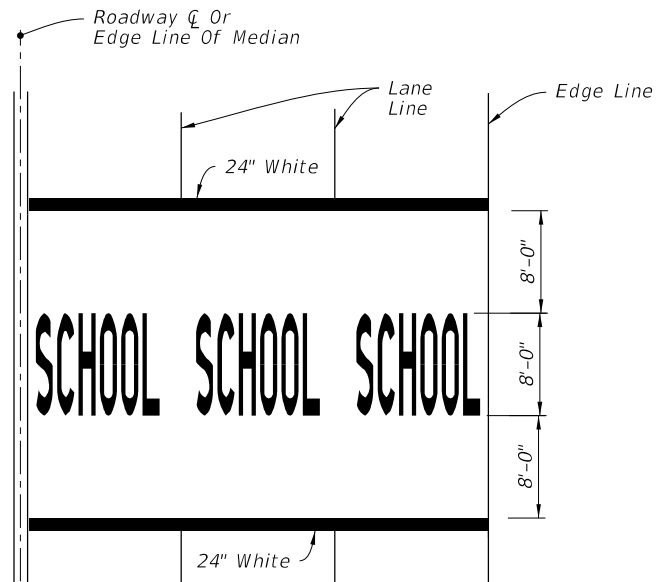
SCHOOL PAVEMENT MARKING



SINGLE-LANE APPROACH



TWO-LANE APPROACH

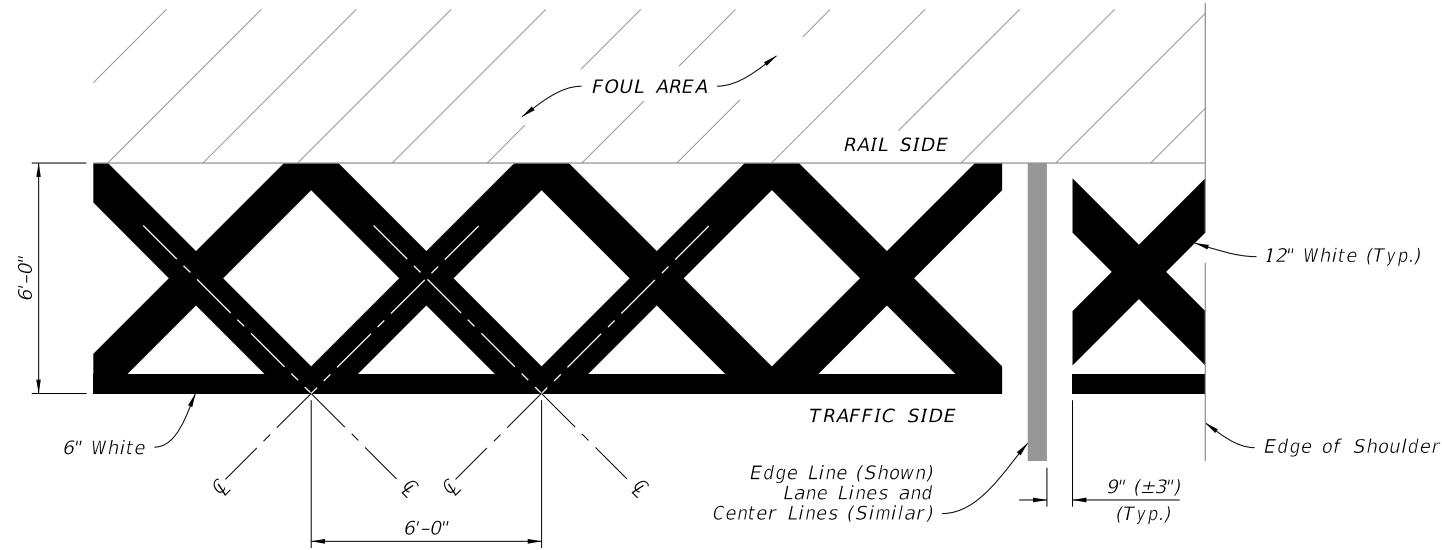


MULTI-LANE APPROACH
(Three or More)

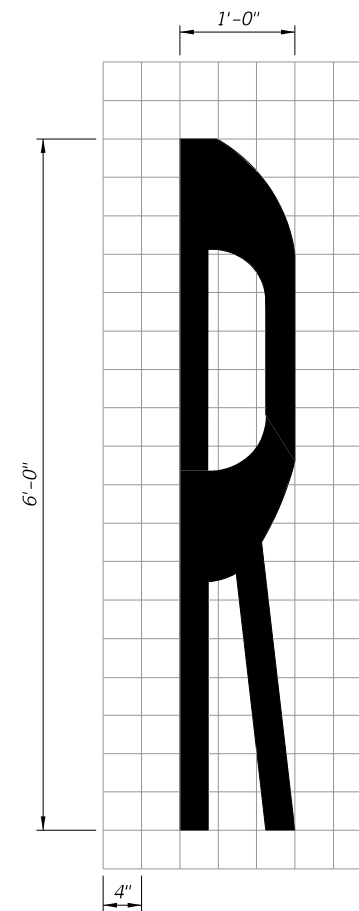
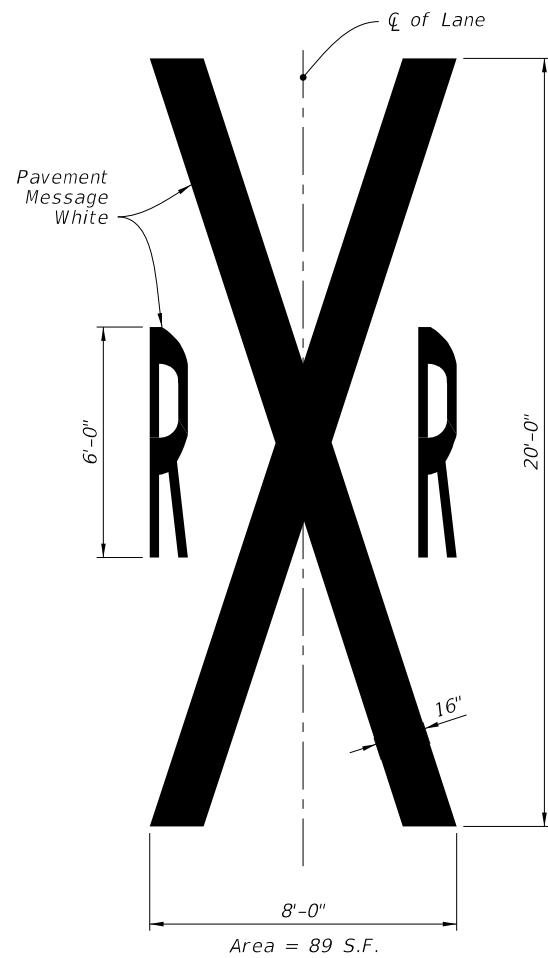
MARKINGS FOR SCHOOL ZONES

LAST REVISION 02/05/21	DESCRIPTION: Added railroad pavement marking details. 11/01/21	FDOT FY 2021-22 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 13 of 14 12 of 13
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NOTE:
Orient Railroad Dynamic Envelope Marking as shown in the Plans.



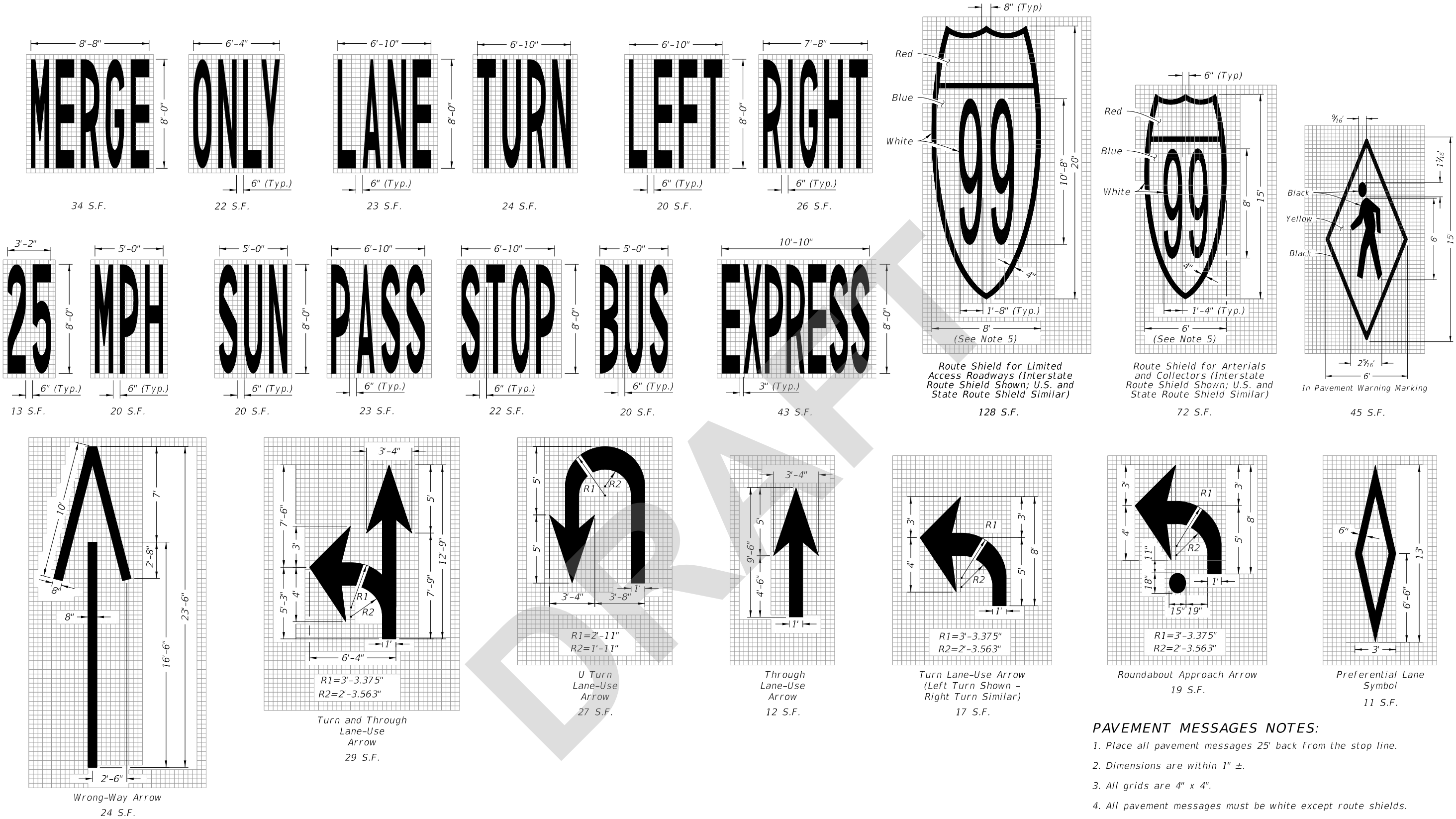
RAILROAD DYNAMIC ENVELOPE (RDE) PAVEMENT MARKING DETAIL



RAILROAD CROSSING PAVEMENT MESSAGE

2/5/2021 11:53:59 AM

LAST REVISION 02/05/21	DESCRIPTION: Added railroad pavement marking details. 11/01/21	FDOT FY 2021-22 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 14 of 14 13 of 13
---	---	--------------------------------------	-------------------	------------------	--



- PAVEMENT MESSAGES NOTES:**
1. Place all pavement messages 25' 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.
 5. Increase width of route shield for routes with three digits.

PAVEMENT MESSAGE AND ARROW DETAILS



FY 2022-23
STANDARD PLANS

PAVEMENT MARKINGS

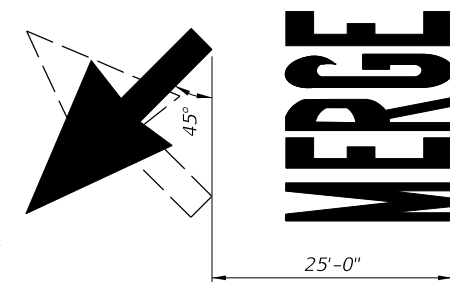
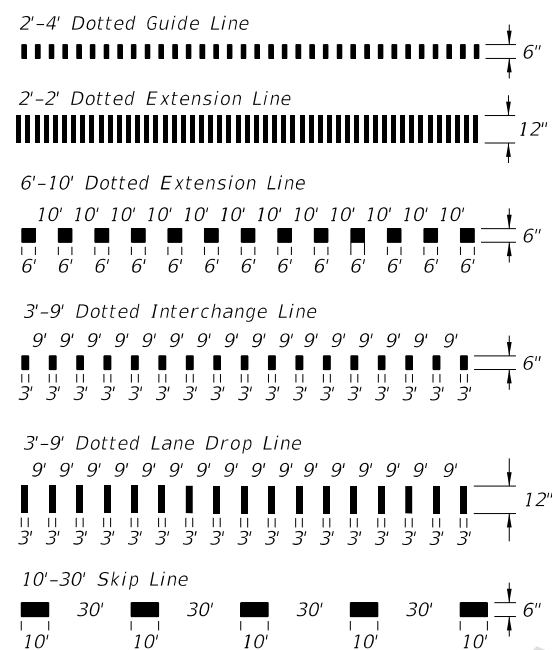
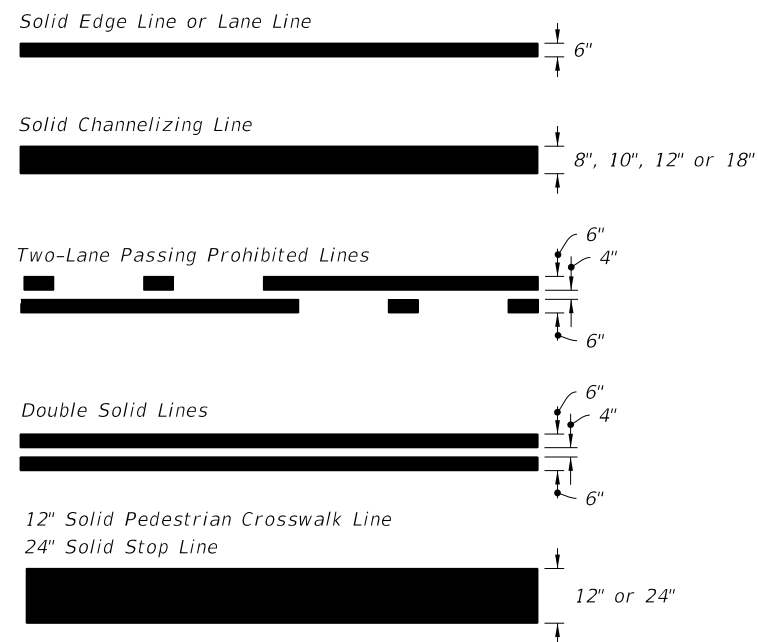
INDEX
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1 of 13

LAST
REVISION
11/01/21

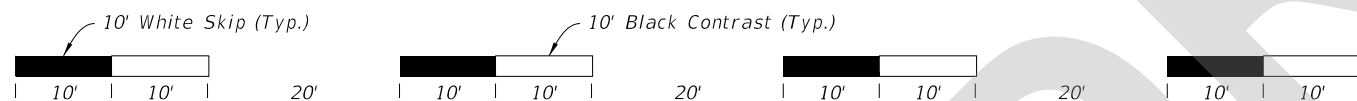
DESCRIPTION:

REVISION

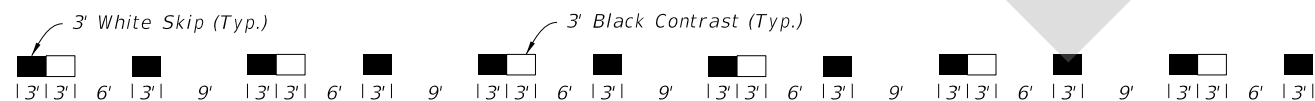


PAVEMENT MARKING LINES

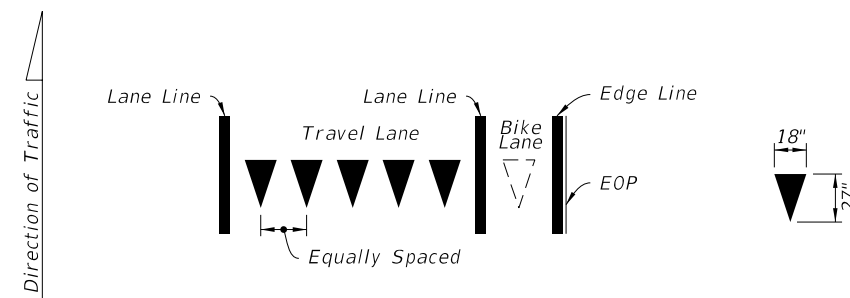
MARKINGS FOR MERGE



10'-30' SKIP LINE WITH SHADOW MARKINGS



DOTTED LINE WITH ALTERNATING SHADOW MARKINGS
(3'-9' Dotted Line Shown, Other Dotted Lines Similar)



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.

YIELD LINES

8/25/2021 9:02:59 AM



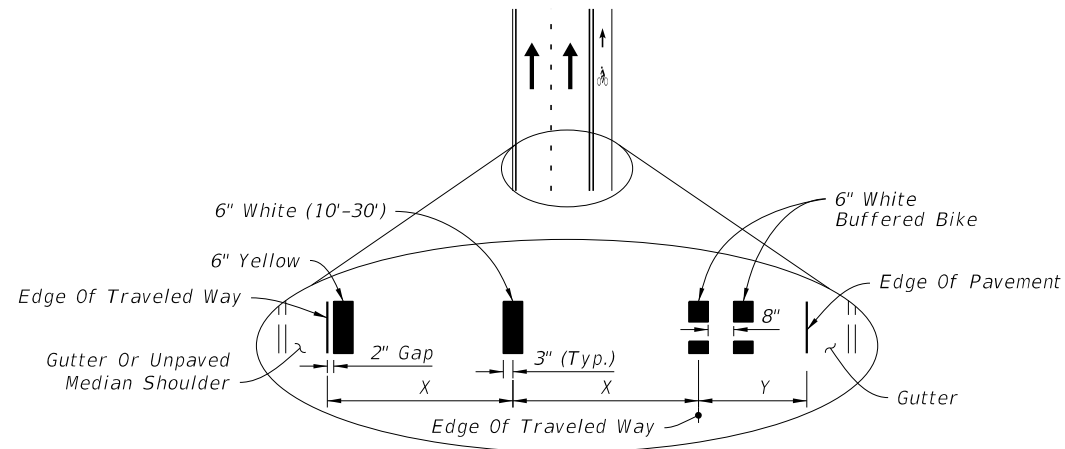
FY 2022-23
STANDARD PLANS

PAVEMENT MARKINGS

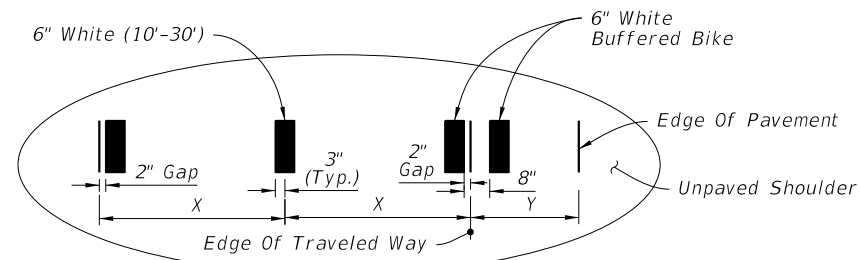
INDEX
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8/25/2021 9:03:01 AM



CURB AND GUTTER

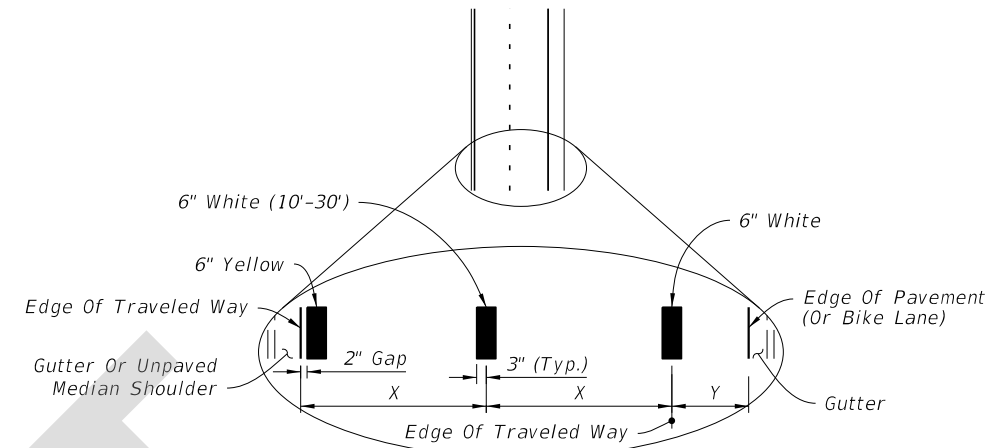


FLUSH SHOULDER

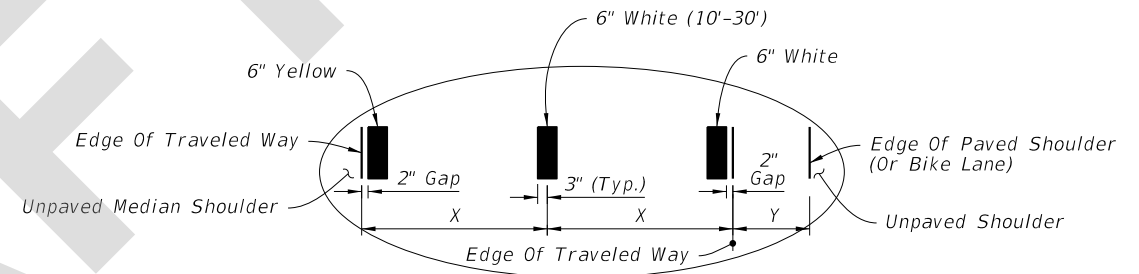
X = LANE WIDTH (FT.)

Y = BUFFERED BIKE LANE WIDTH (FT.)

STRIPING FOR BUFFERED BIKE LANE



CURB AND GUTTER

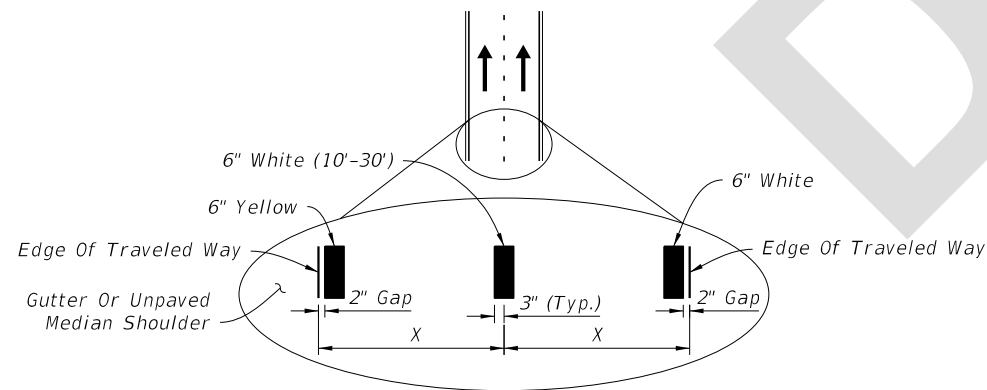


FLUSH SHOULDER

X = LANE WIDTH (FT.)

Y = PAVED SHOULDER / BIKE LANE

STRIPING WITH SHOULDER OR NON-BUFFERED BIKE LANE



X = LANE WIDTH (FT.)

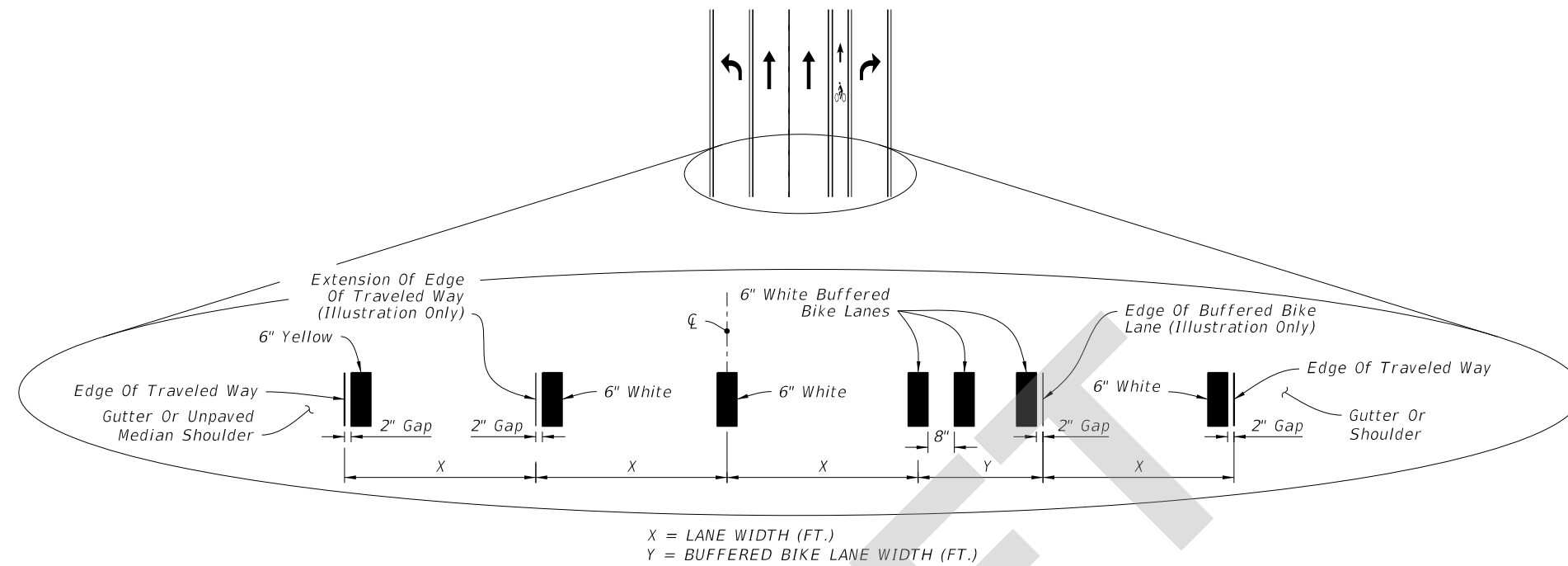
STRIPING WITH NO SHOULDER OR BIKE LANE

NOTES:

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

PLACEMENT OF LONGITUDINAL PAVEMENT MARKINGS

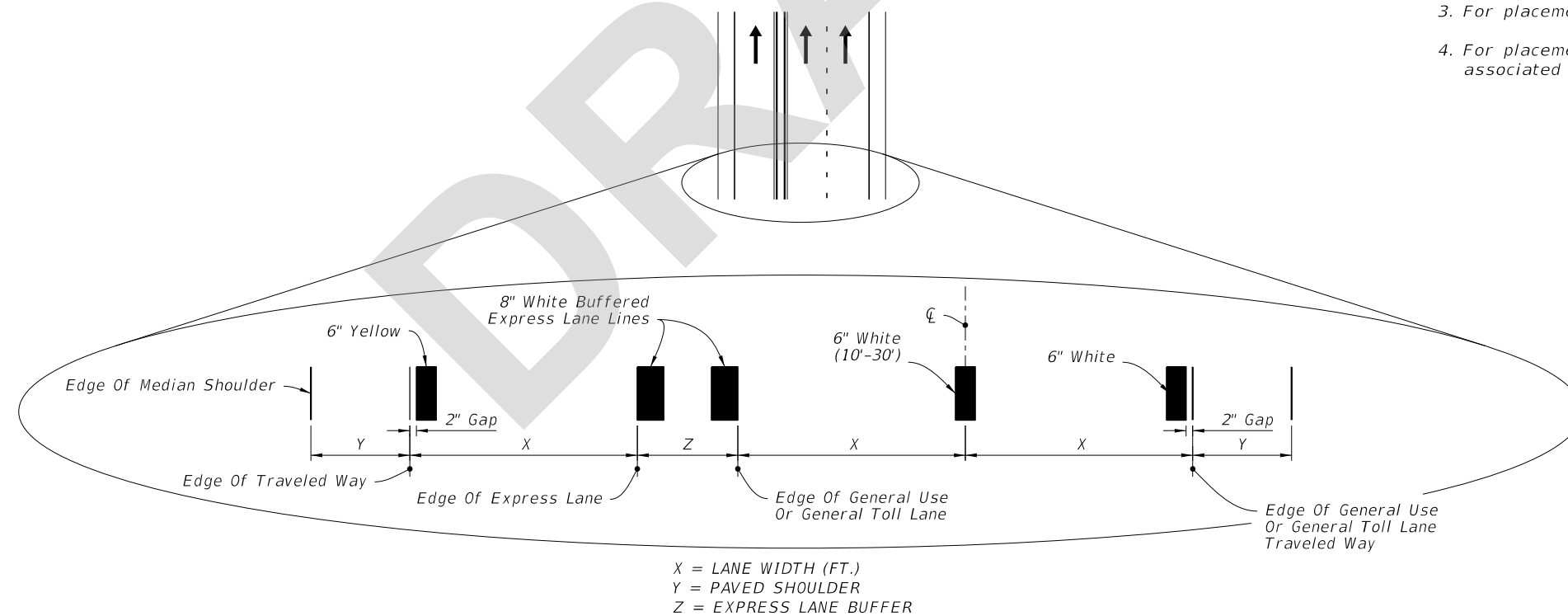
LAST REVISION	DESCRIPTION:	FY 2022-23 STANDARD PLANS	PAVEMENT MARKINGS	INDEX	SHEET
11/01/21				711-001	3 of 13



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

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.



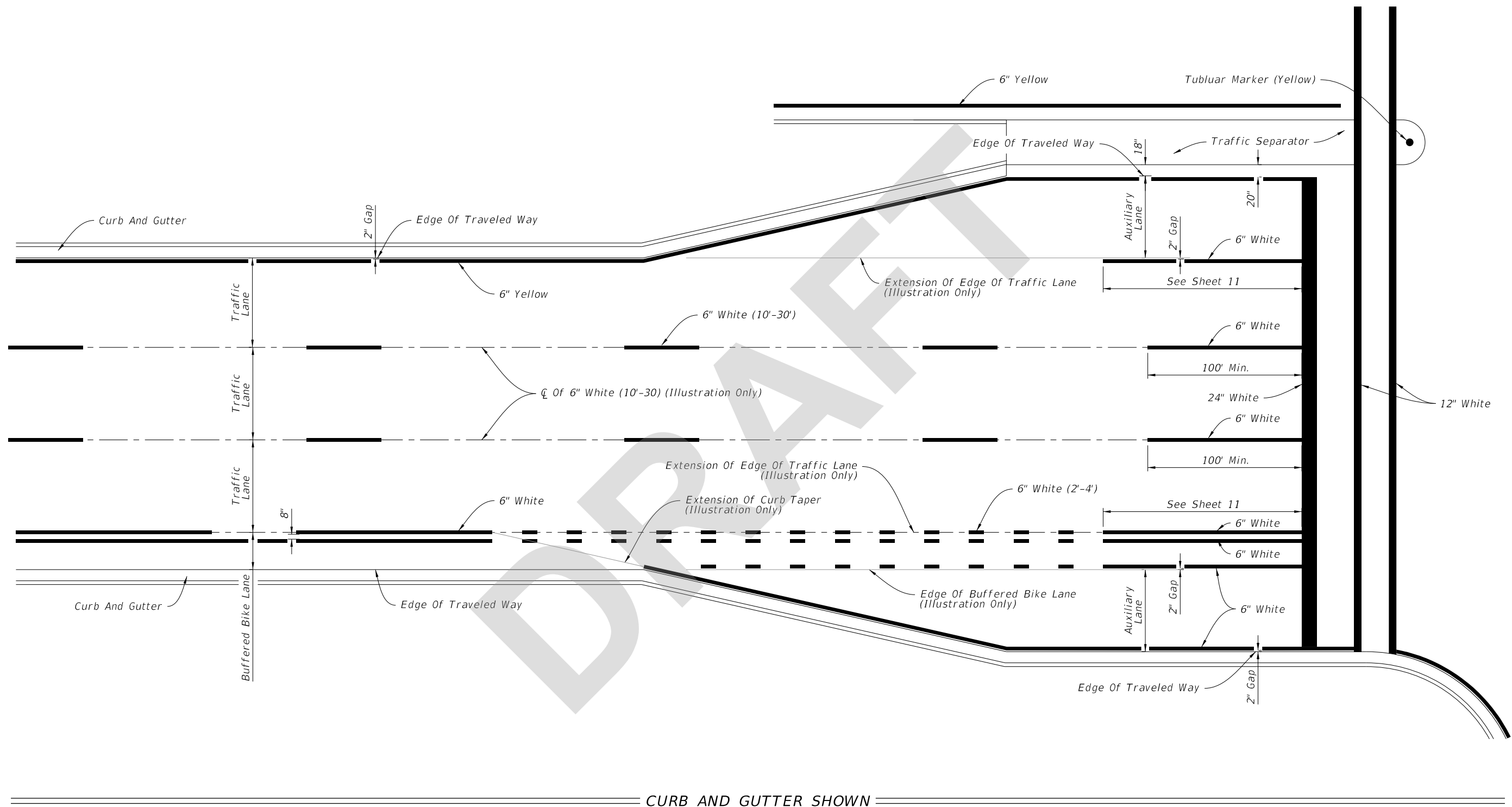
BUFFERED EXPRESS LANE STRIPING

PLACEMENT OF LONGITUDINAL PAVEMENT MARKINGS

8/25/2021 9:03:03 AM

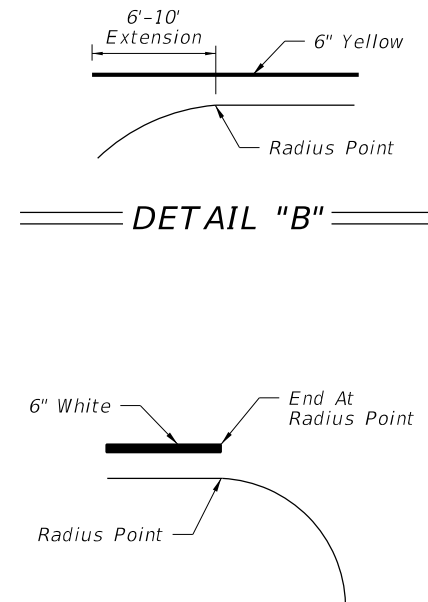
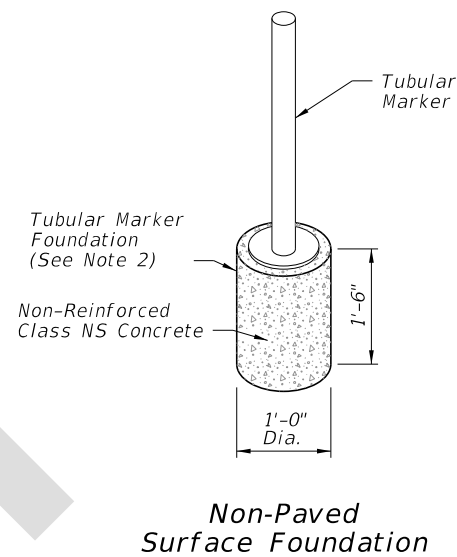
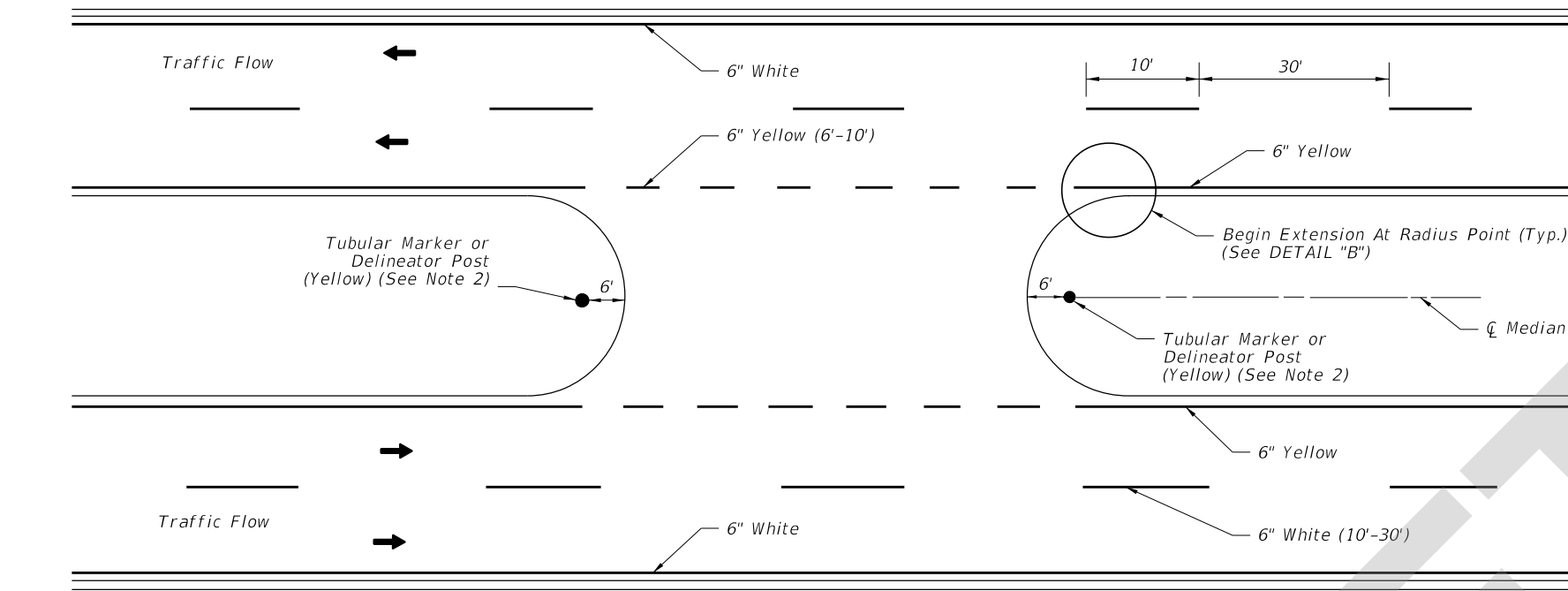
LAST REVISION	DESCRIPTION:	FY 2022-23 STANDARD PLANS	PAVEMENT MARKINGS	INDEX	SHEET
11/01/21				711-001	4 of 13

8/25/2021 9:03:06 AM

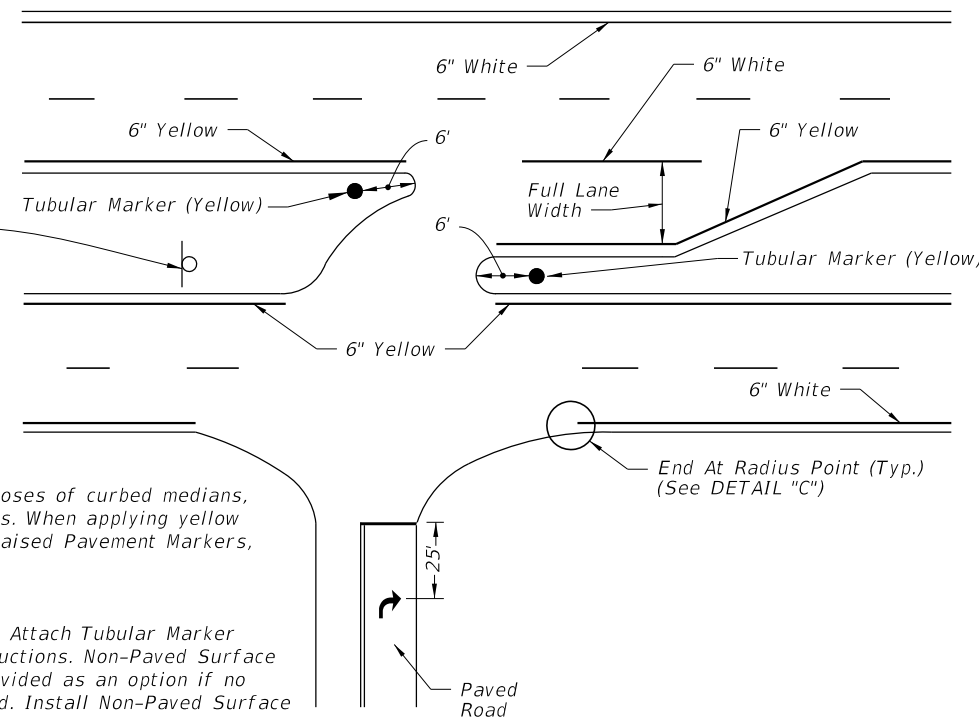
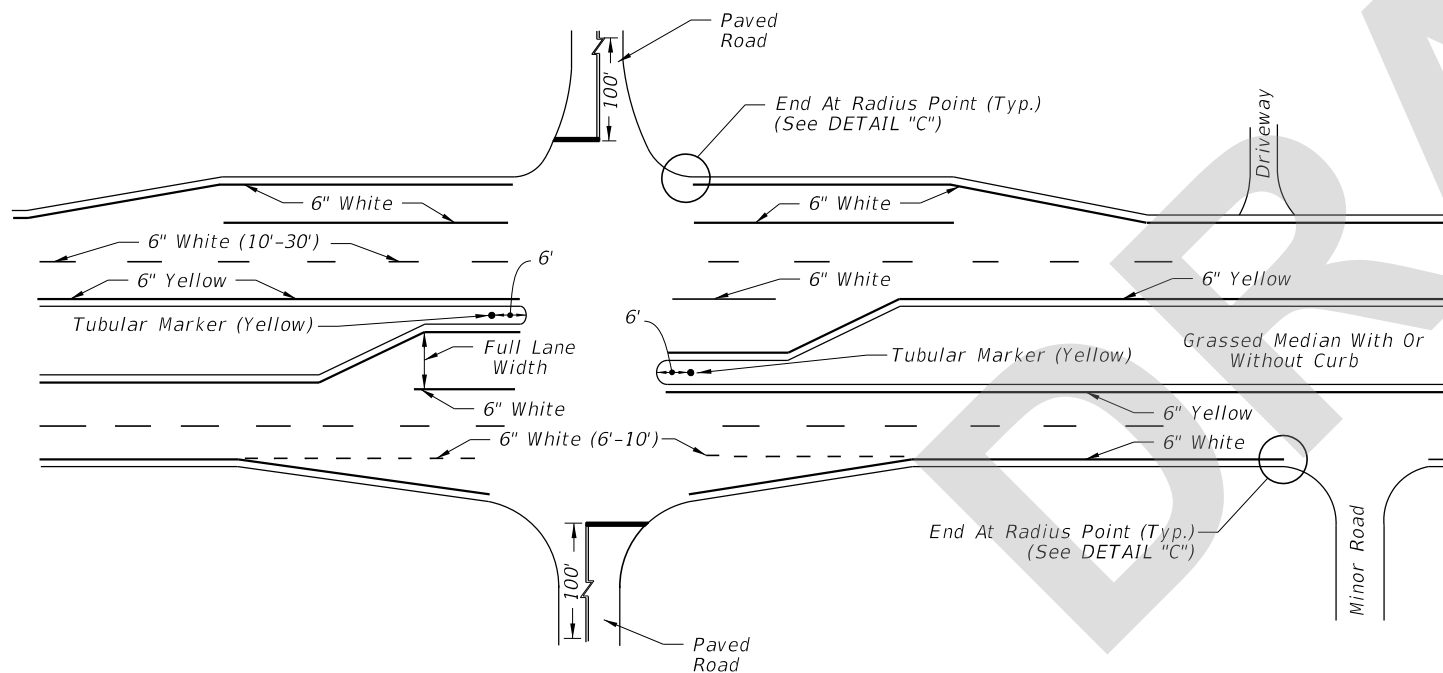


PLACEMENT OF LONGITUDINAL PAVEMENT MARKINGS

LAST REVISION 11/01/21	REVISION	DESCRIPTION:	 FY 2022-23 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 5 of 13
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PAVEMENT MARKINGS AND DELINEATORS FOR MEDIAN CROSSOVER



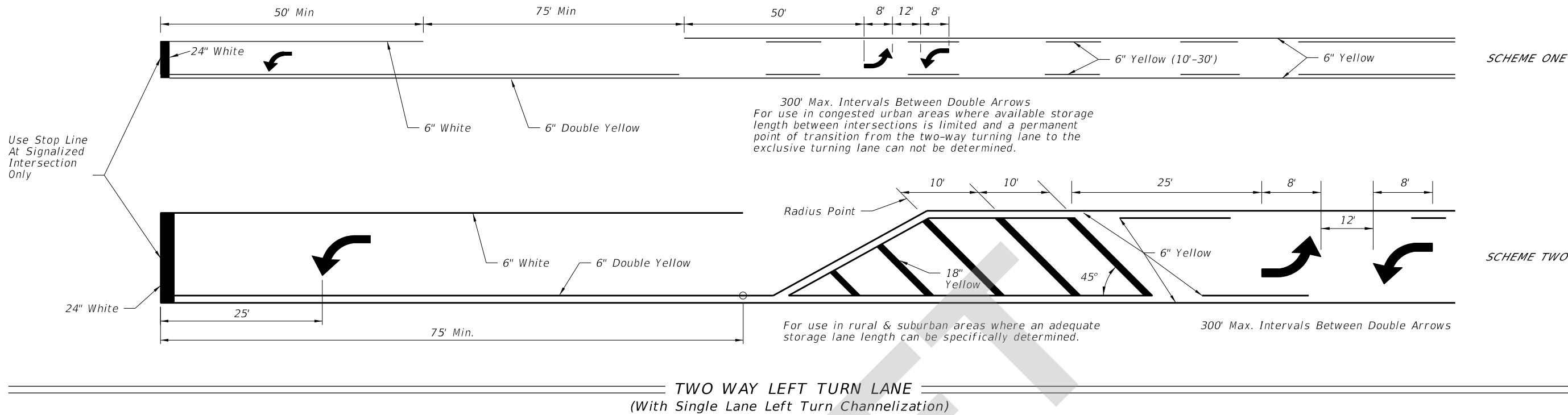
NOTE:

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.

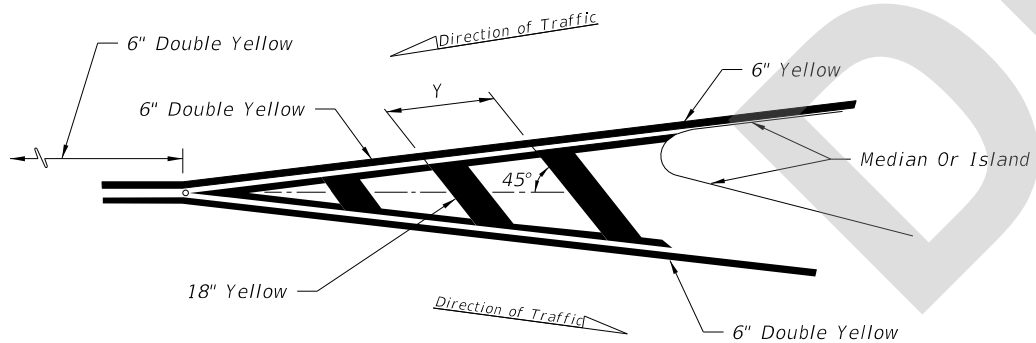
PAVEMENT MARKINGS FOR INTERSECTIONS WITH MAJOR AND MINOR ROADS

8/25/2021 9:03:11 AM

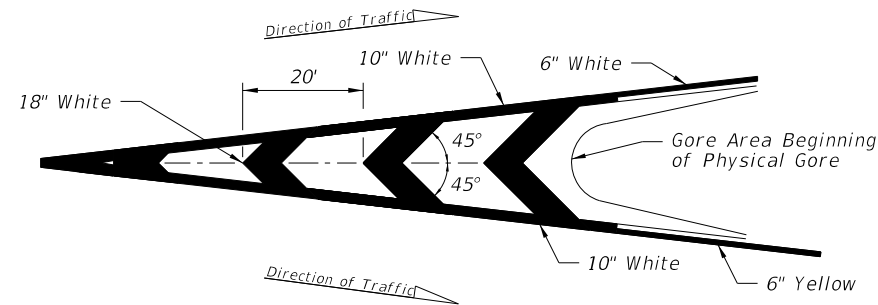
LAST REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	PAVEMENT MARKINGS	INDEX	SHEET
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POSTED SPEED LIMIT MPH	"Y" (FT.)
30 OR LESS	10
35	20
40	20
45	30
50 OR MORE	40

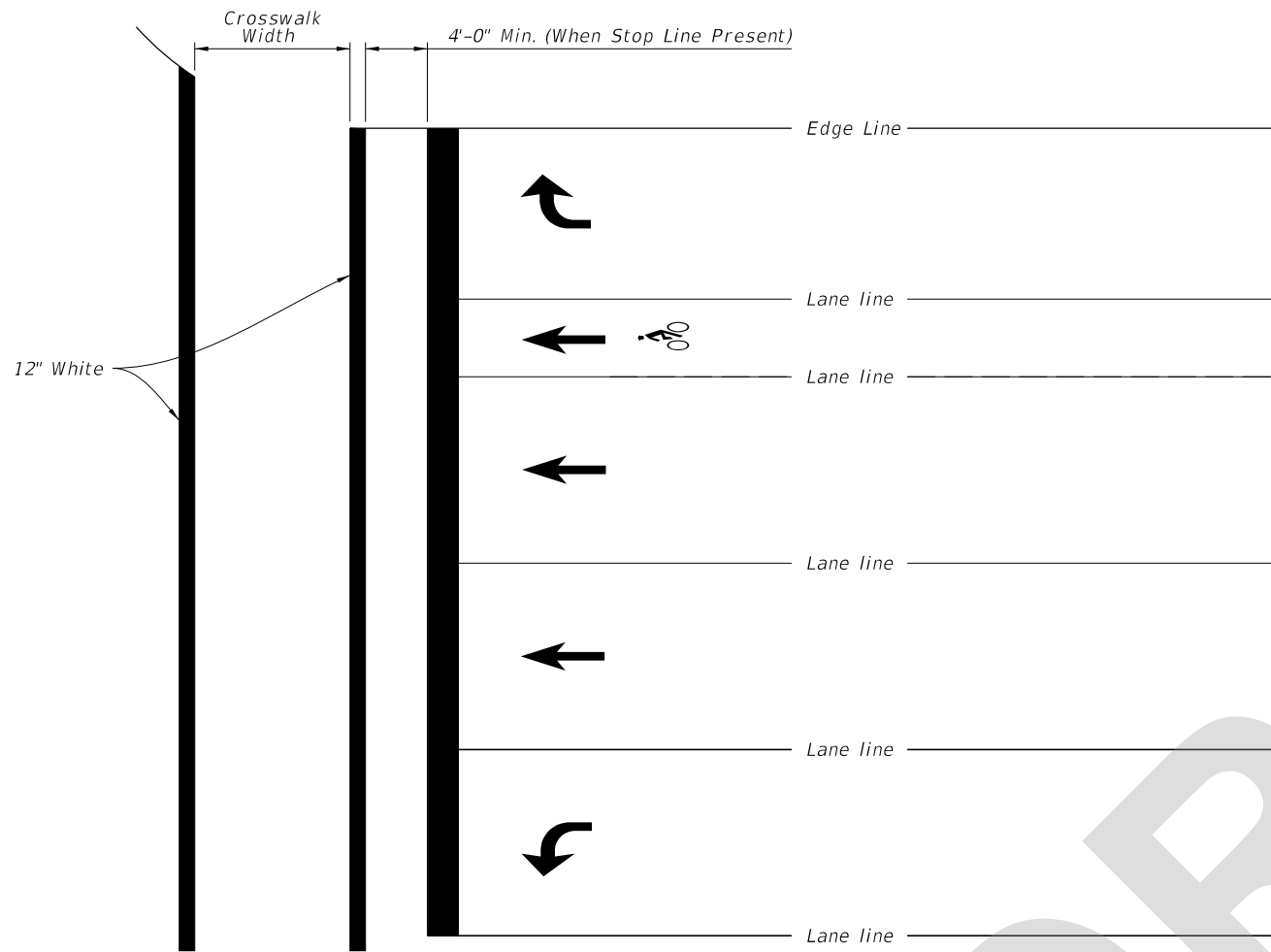


MARKINGS FOR TRAFFIC SEPARATION

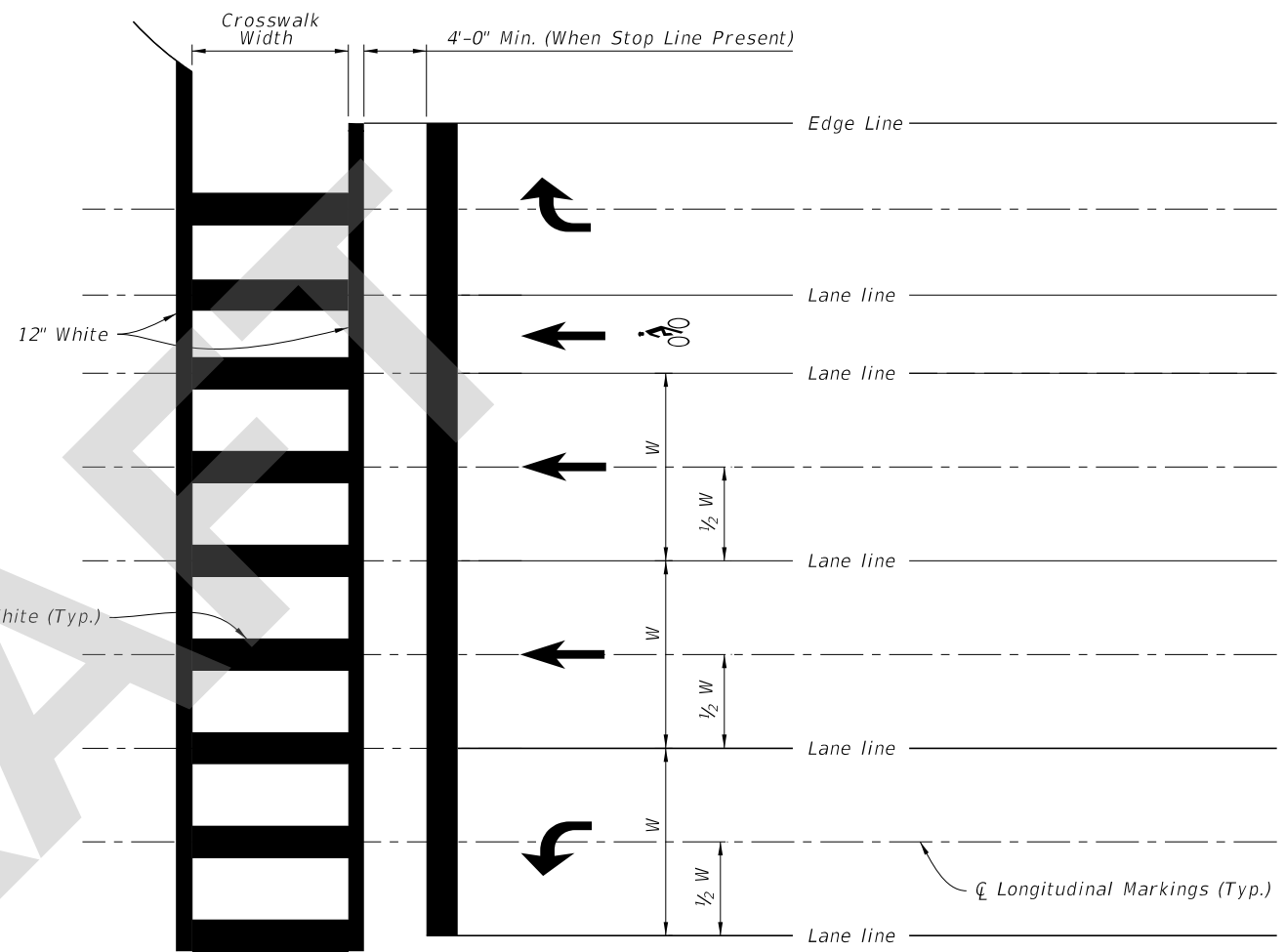


TRAFFIC CHANNELIZATION AT GORE

8/25/2021 9:03:15 AM



STANDARD CROSSWALK DETAILS



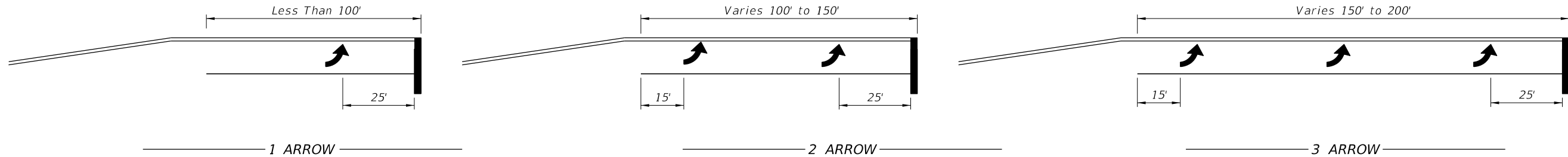
SPECIAL EMPHASIS CROSSWALK DETAILS

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.

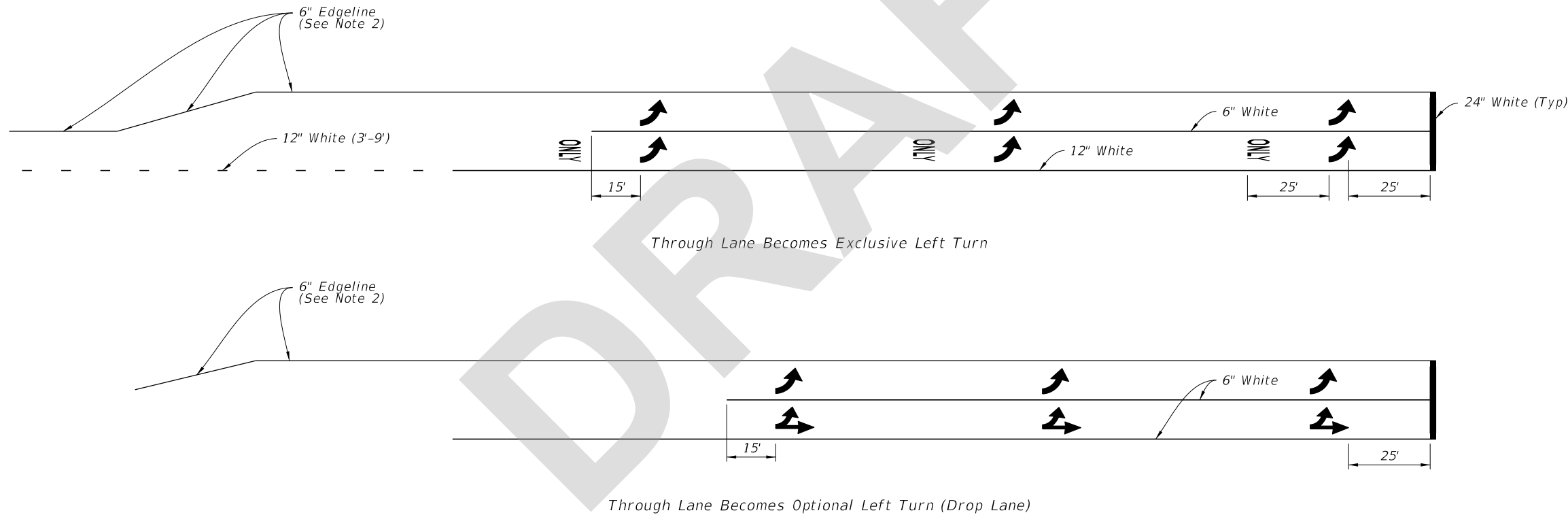
8/25/2021 9:03:18 AM

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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

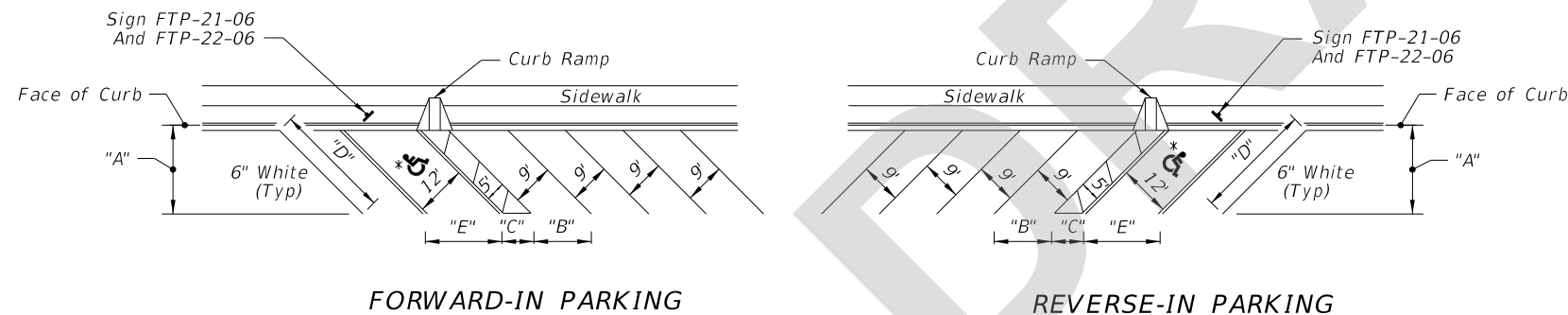
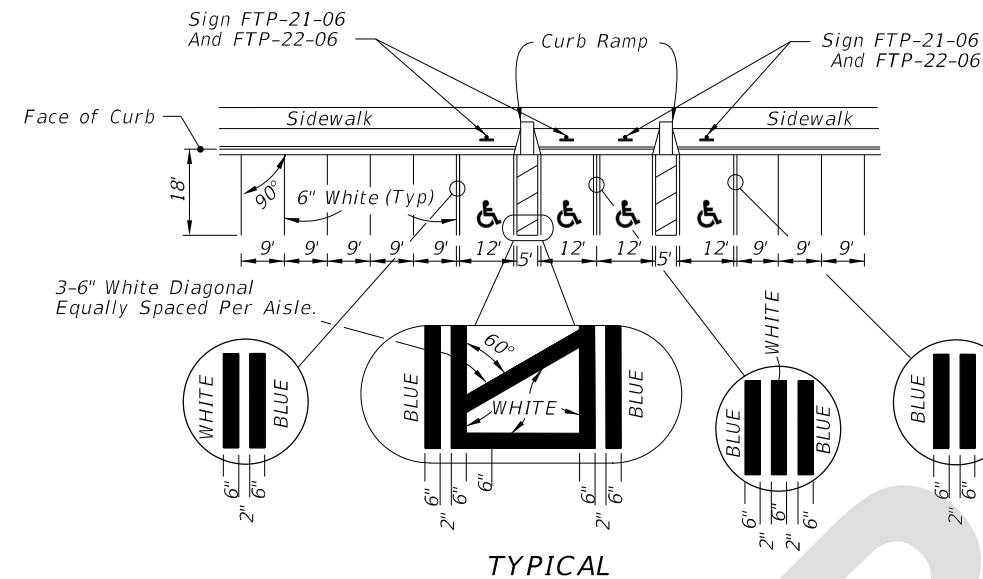
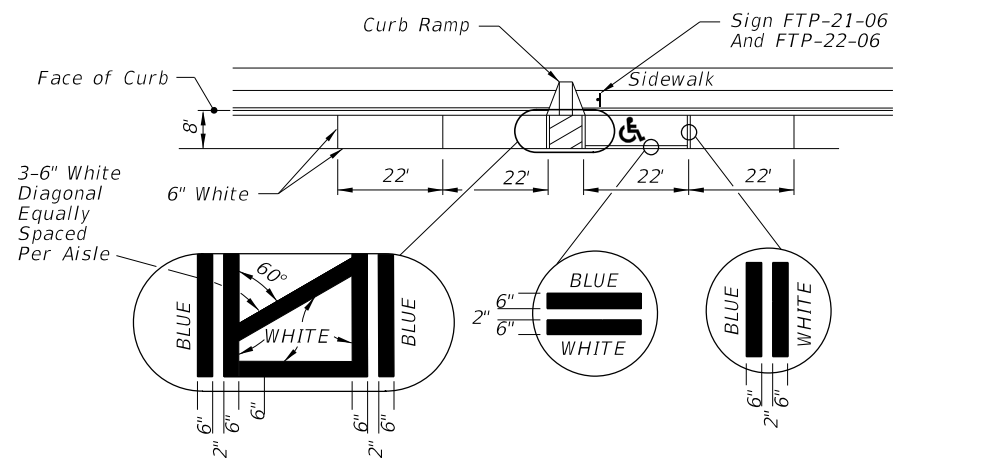


URNS LANE MARKINGS

- NOTES:
- 1. This Index also applies to right turn lanes.
 - 2. Make Edgeline pavement markings yellow for left-turn lanes and white for right-turn lanes.

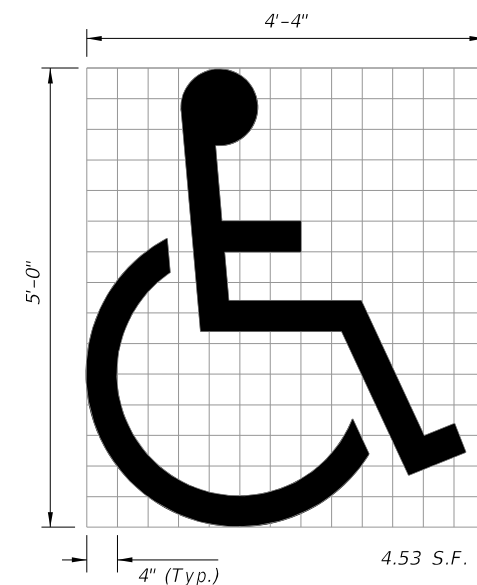
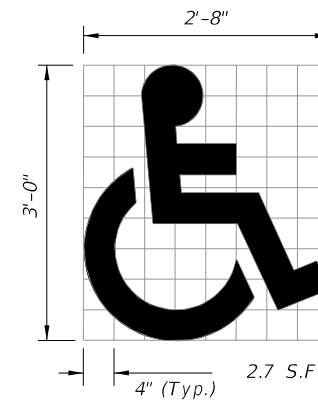
ARROW SPACING AND TURN LANE MARKINGS

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* FOR ACCESSIBLE MARKINGS - SEE ABOVE

DIMENSIONS					
Δ θ	"A"	"B"	"C"	"D"	"E"
45°	17'-0"	12'-9"	7'-0"	24'-0"	17'-0"



(See Note 5)

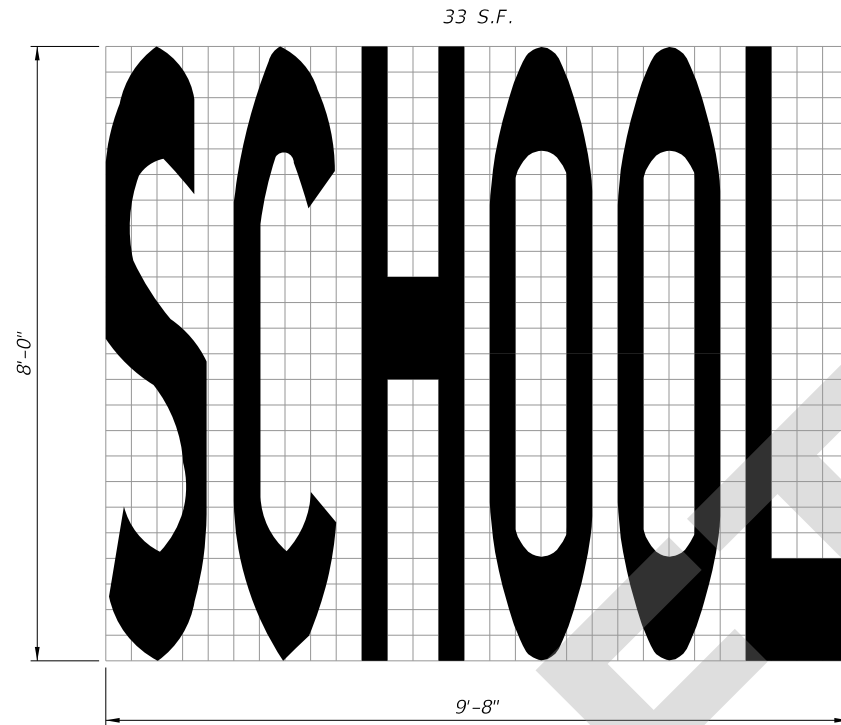
UNIVERSAL SYMBOL OF ACCESSIBILITY

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.

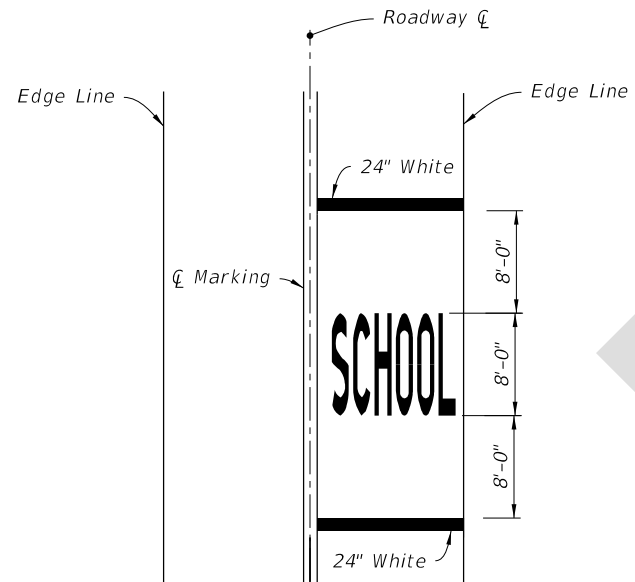
PAVEMENT MARKING FOR PARKING

8/25/2021 9:03:29 AM

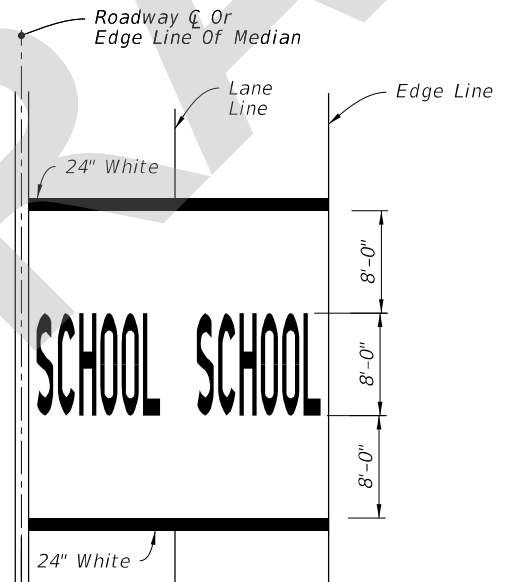


- NOTES:**
- 1. All grids are 4" x 4".
 - 2. Pavement Marking Should Not Extend Into Opposing Lane.
 - 3. Center School Pavement Marking in lane.

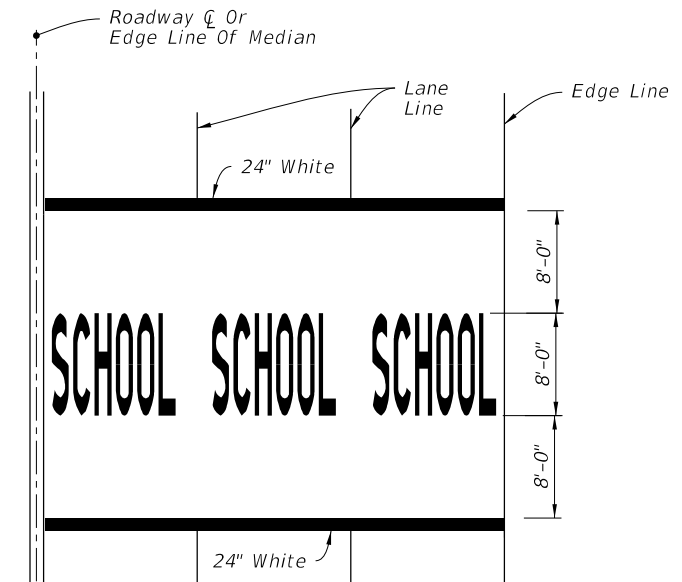
SCHOOL PAVEMENT MARKING



SINGLE-LANE APPROACH



TWO-LANE APPROACH

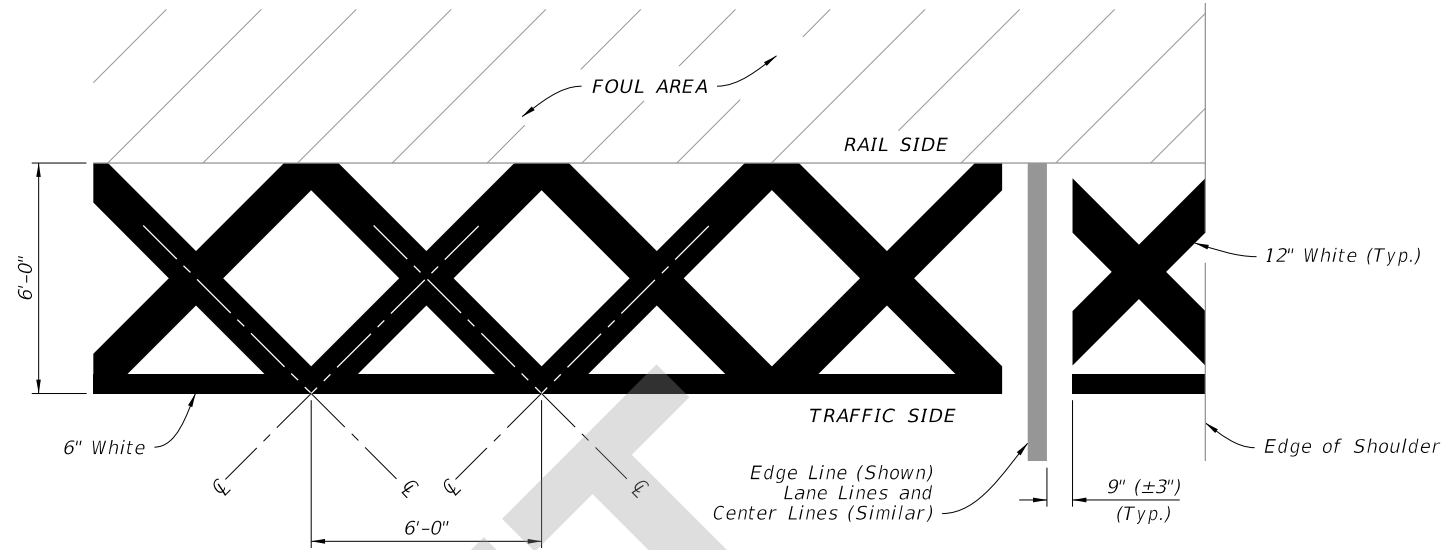


MULTI-LANE APPROACH
(Three or More)

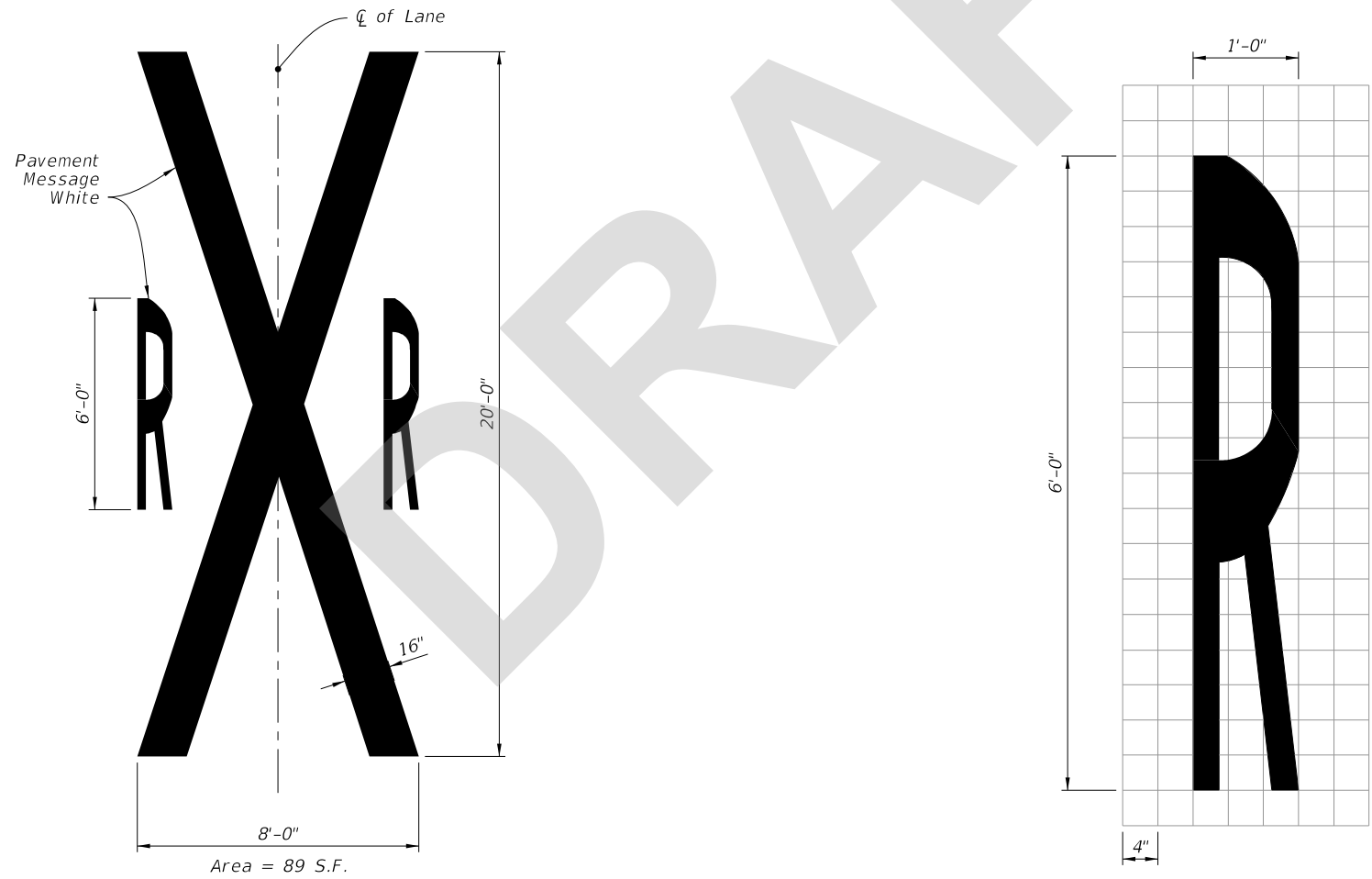
MARKINGS FOR SCHOOL ZONES

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



RAILROAD DYNAMIC ENVELOPE (RDE) PAVEMENT MARKING DETAIL



RAILROAD CROSSING PAVEMENT MESSAGE

8/25/2021 9:03:32 AM

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