
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 | |
|--------------------------|-------------------------------------|-----------------------------|
| <input type="checkbox"/> | <input checked="" 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 Rick Jenkins)

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

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 | |
|--------------------------|-------------------------------------|-----------------------------|
| <input type="checkbox"/> | <input checked="" 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 Rick Jenkins)

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

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, 8, 9
Index Title: Pavement Markings

Summary of the changes:

Sheet 2: Change one of the solid channelizing line widths from 8" to 10" .
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 | |
|--------------------------|-------------------------------------|-----------------------------|
| <input type="checkbox"/> | <input checked="" 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 Rick Jenkins)

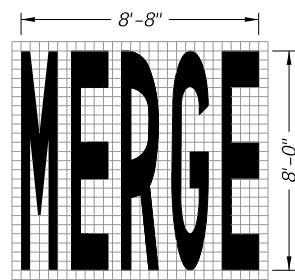
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| <input type="checkbox"/> | <input type="checkbox"/> | Proposed Standard Plan Instruction (SPI) |
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| <input type="checkbox"/> | <input type="checkbox"/> | Other Support Documents |

Implementation:

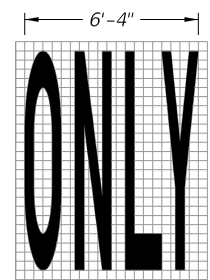
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| <input type="checkbox"/> | DCE Memo |
| <input type="checkbox"/> | Program Mgmt. Bulletin |
| <input checked="" type="checkbox"/> | FY-Standard Plans (Next Release) |

Contact the Roadway Design Office for assistance in completing this form

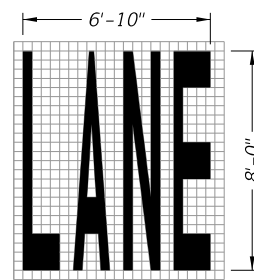
Email to: Rick Jenkins rick.jenkins@dot.state.fl.us and Darren Martin darren.martin@dot.state.fl.us



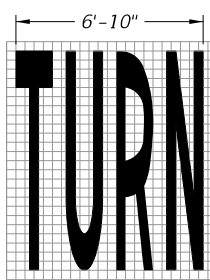
34 S.F.



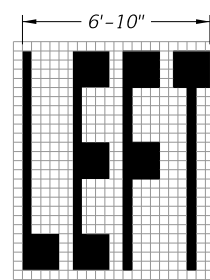
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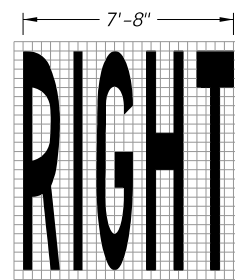
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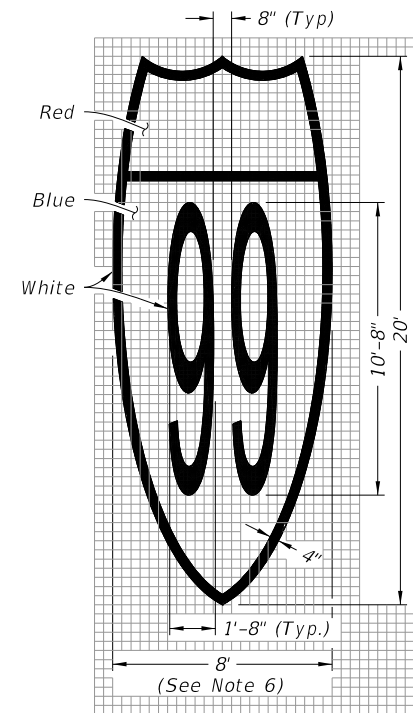
24 S.F.



20 S.F.

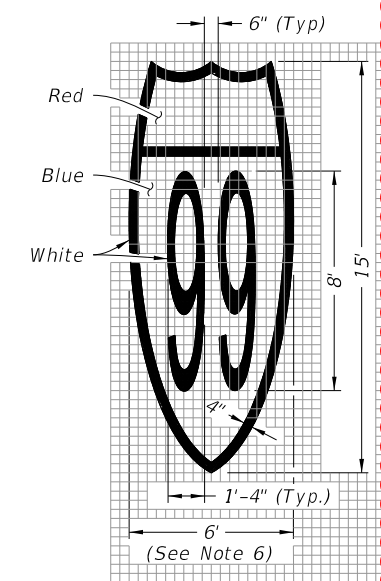


26 S.F.



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

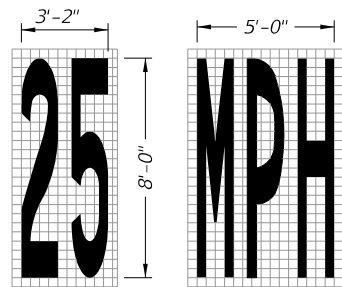
128 S.F.



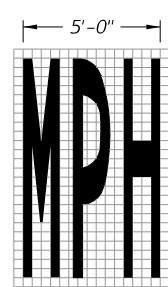
Route Shield for Arterials and Collectors (Interstate Route Shield Shown; U.S. and State Route Shield Similar)

72 S.F.

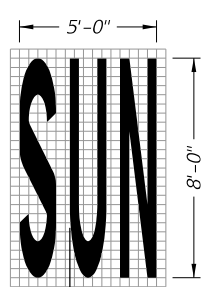
ADDED: In Pavement Warning Marking



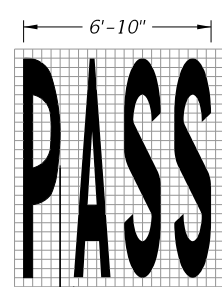
13 S.F.



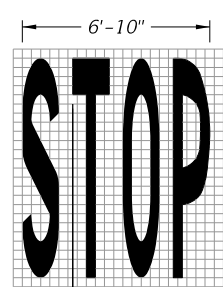
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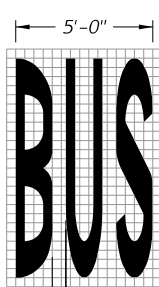
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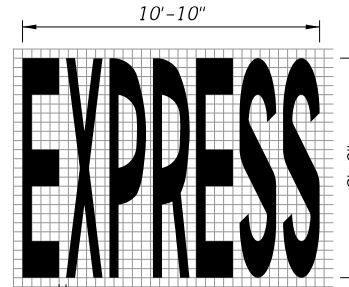
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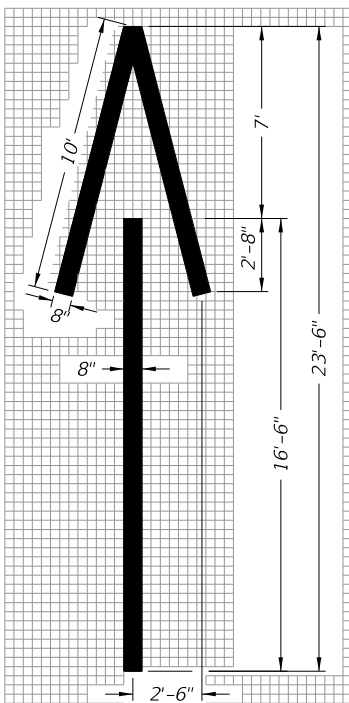
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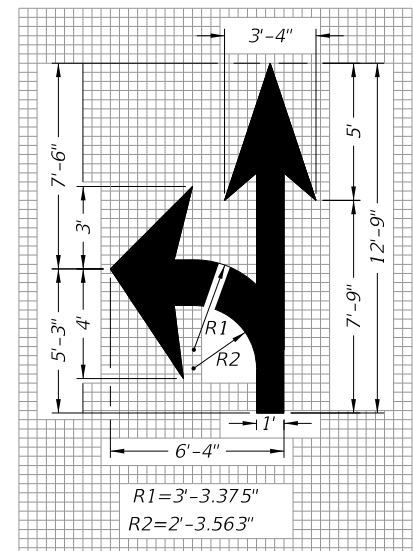
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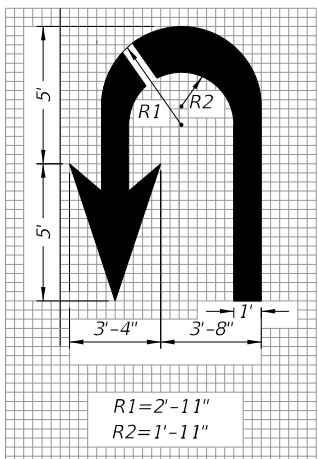
43 S.F.



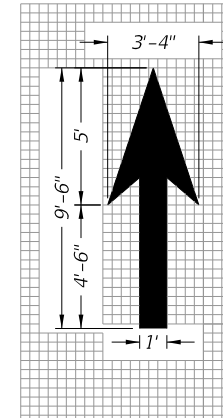
Wrong-Way Arrow 24 S.F.



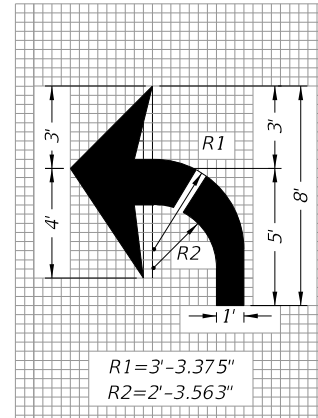
Turn and Through Lane-Use Arrow 29 S.F.



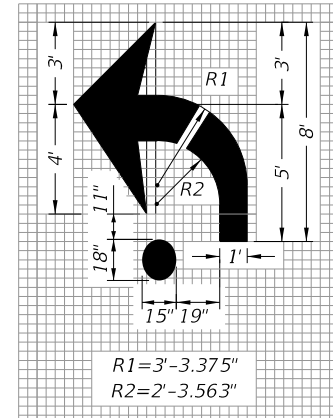
U Turn Lane-Use Arrow 27 S.F.



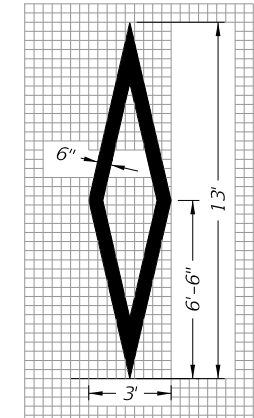
Through Lane-Use Arrow 12 S.F.



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:

- 1. 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.
- 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.
- 6. 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:

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

Renumbered

2/5/2021 11:53:33 AM

11/01/21

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

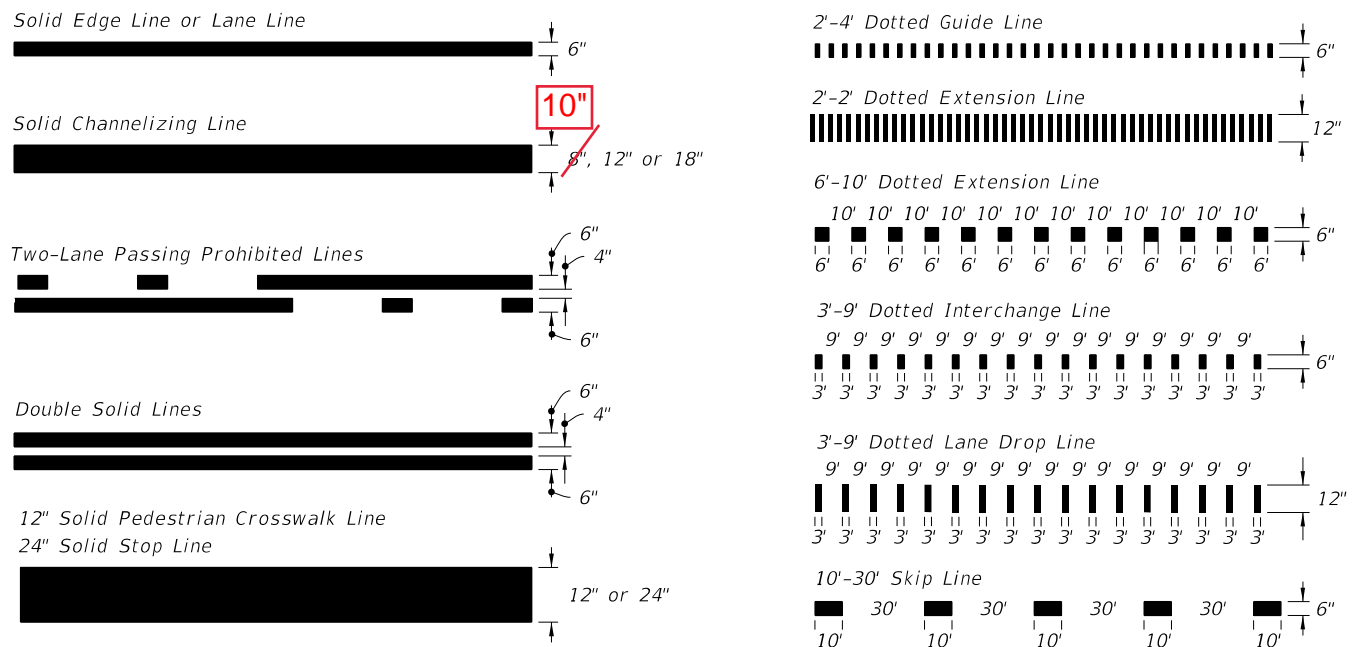


FY 2021-22 STANDARD PLANS

PAVEMENT MARKINGS

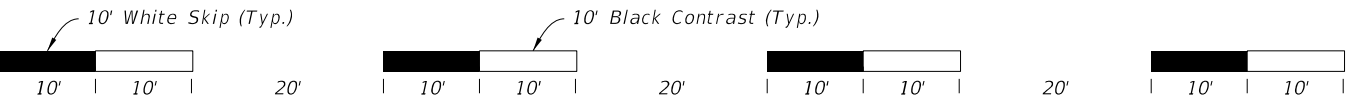
INDEX 711-001

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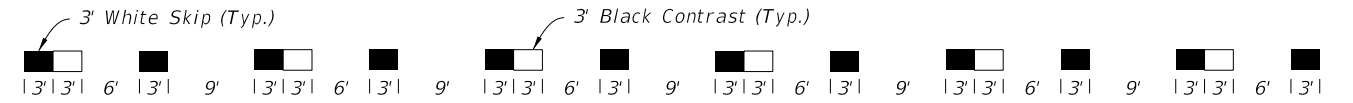


**MOVED MARKINGS FOR
MERGE FROM SHEET 8**

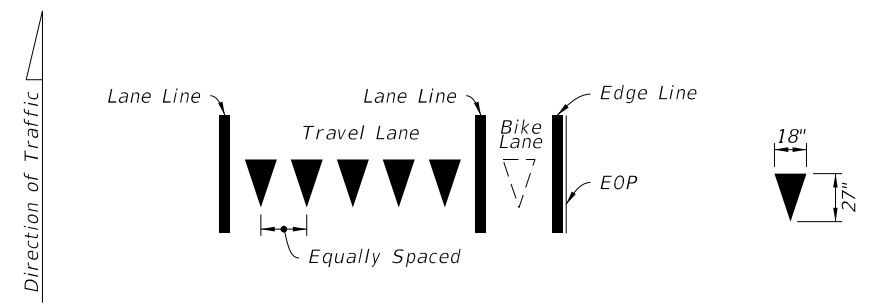
===== PAVEMENT MARKING LINES =====



===== 10'-30' SKIP LINE WITH SHADOW MARKINGS =====



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



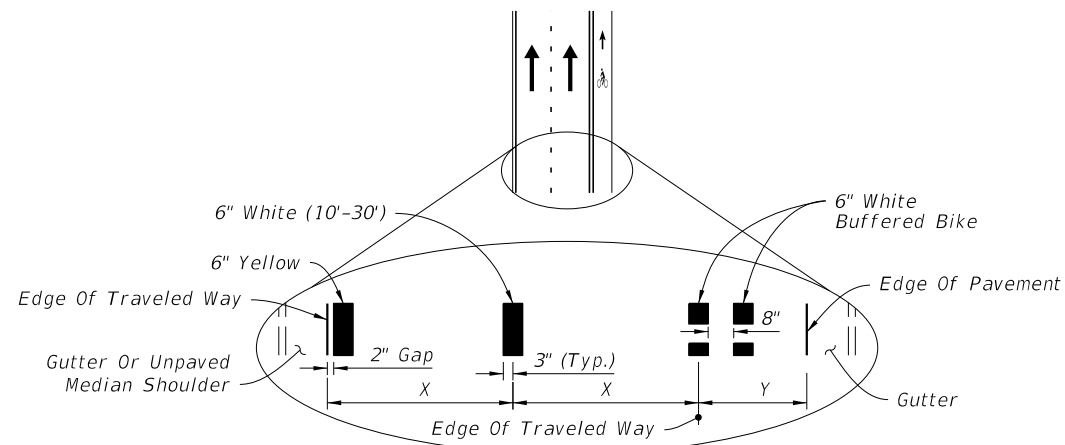
Yield Lines consist of five - 18" X 27" white triangles which face traffic. Equally space triangles within traffic lane. When a bike lane is present, add one additional triangle in the center of the bike lane.

===== YIELD LINES =====

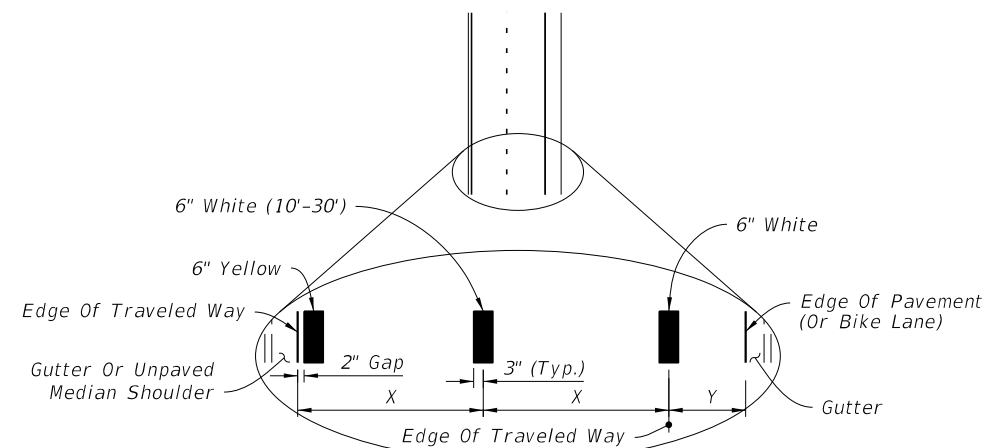
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02/05/21		

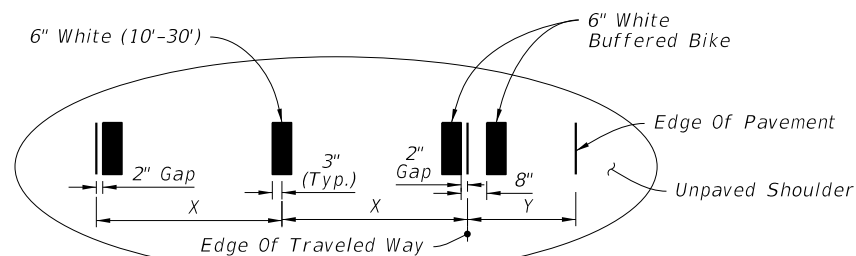
Renumbered →



CURB AND GUTTER

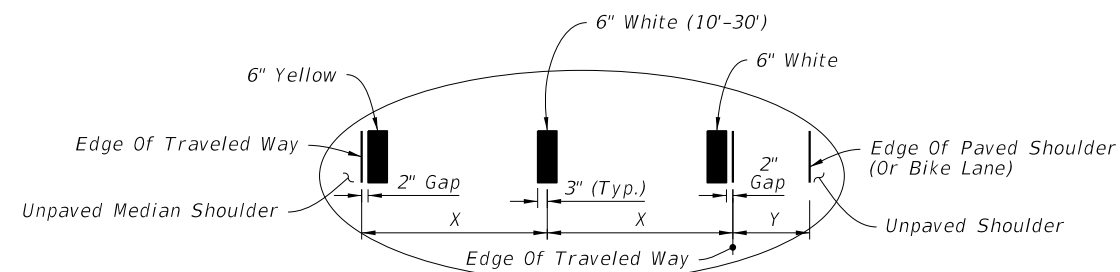


CURB AND GUTTER



FLUSH SHOULDER

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

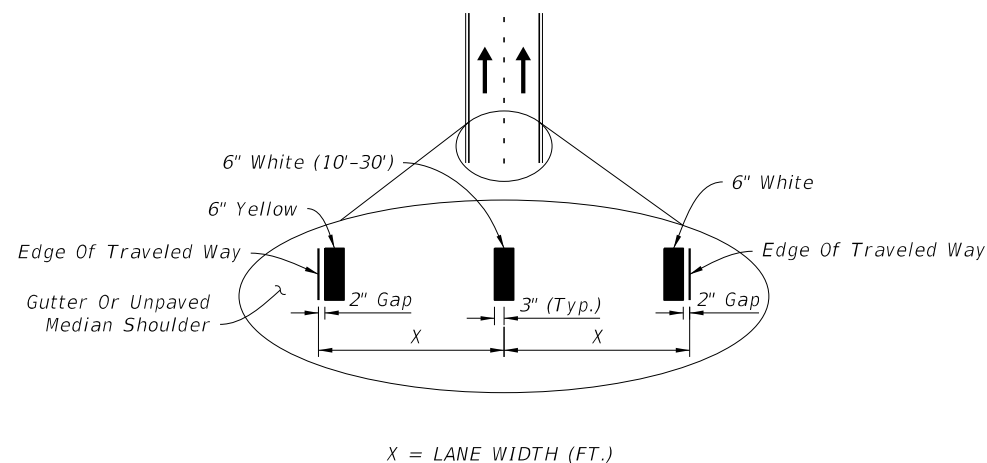


FLUSH SHOULDER

X = LANE WIDTH (FT.)
Y = PAVED SHOULDER / BIKE LANE

==== STRIPING FOR BUFFERED 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

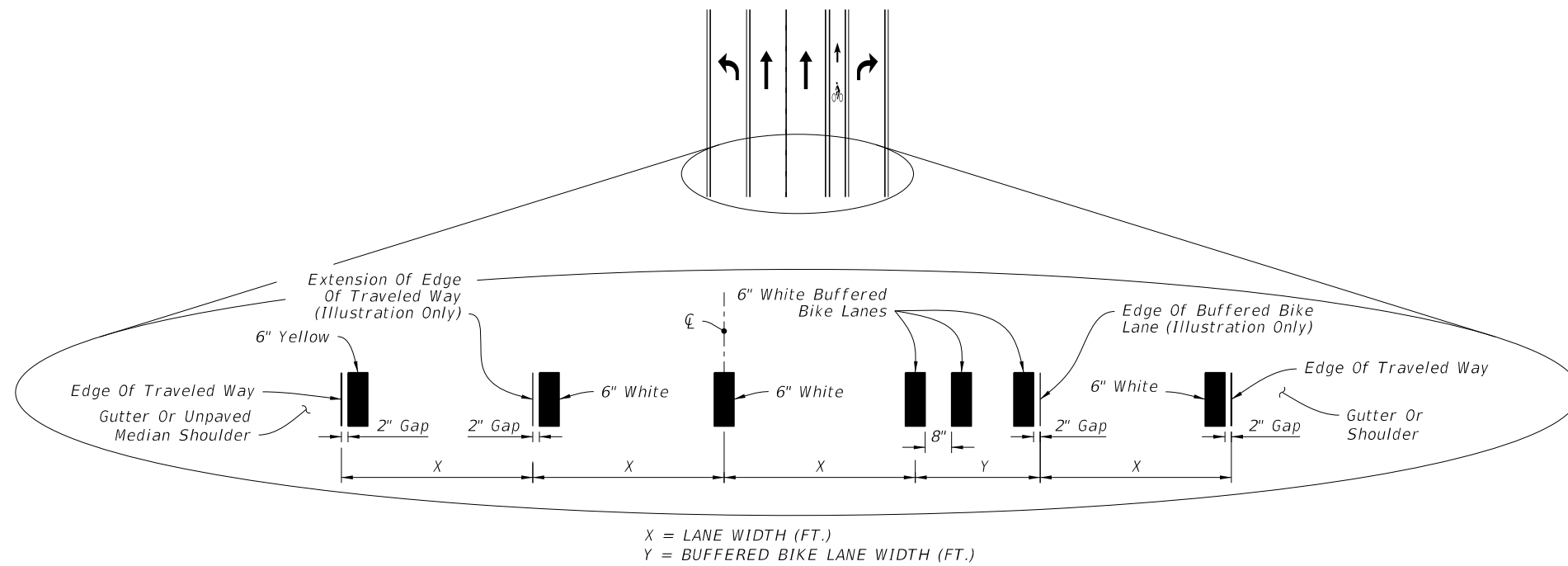
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	11/01/21


FY 2021-22
STANDARD PLANS

PAVEMENT MARKINGS

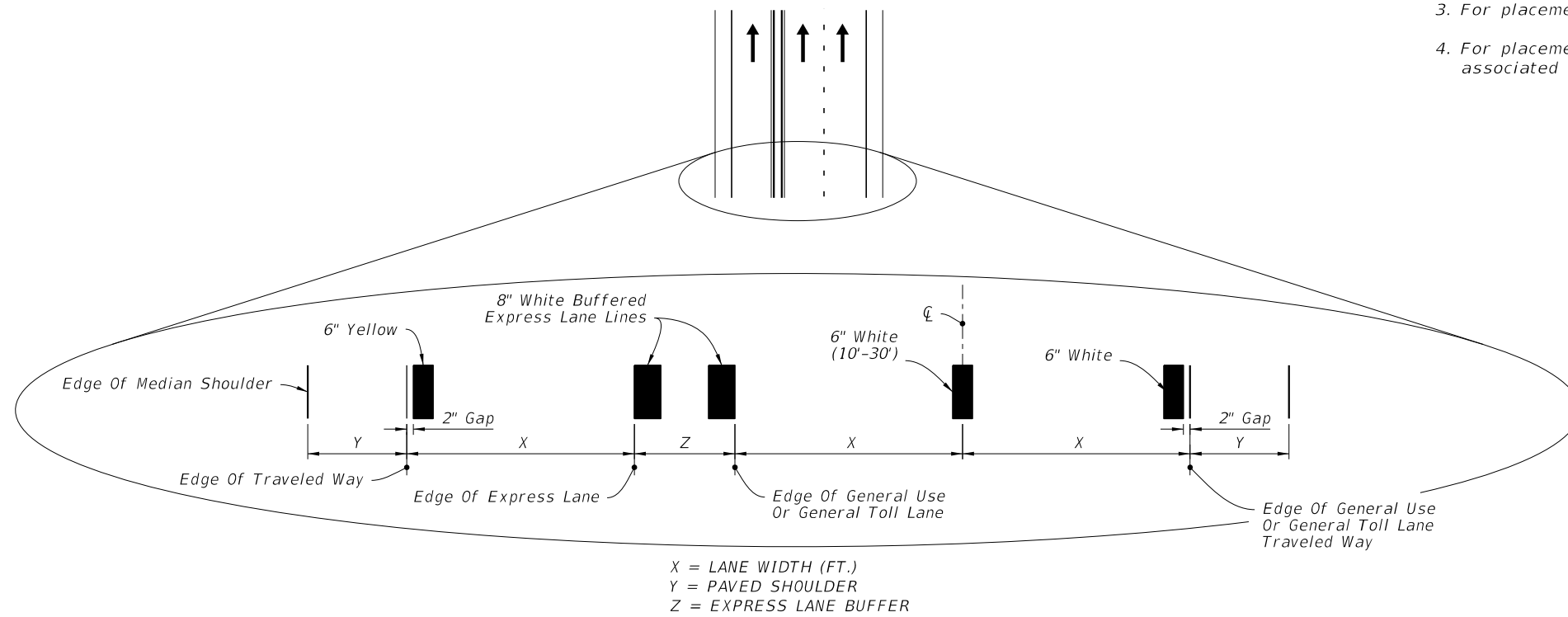
INDEX	SHEET
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INTERSECTION APPROACH STRIPING WITH TURN LANES AND BUFFERED BIKE LANE KEY HOLE

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

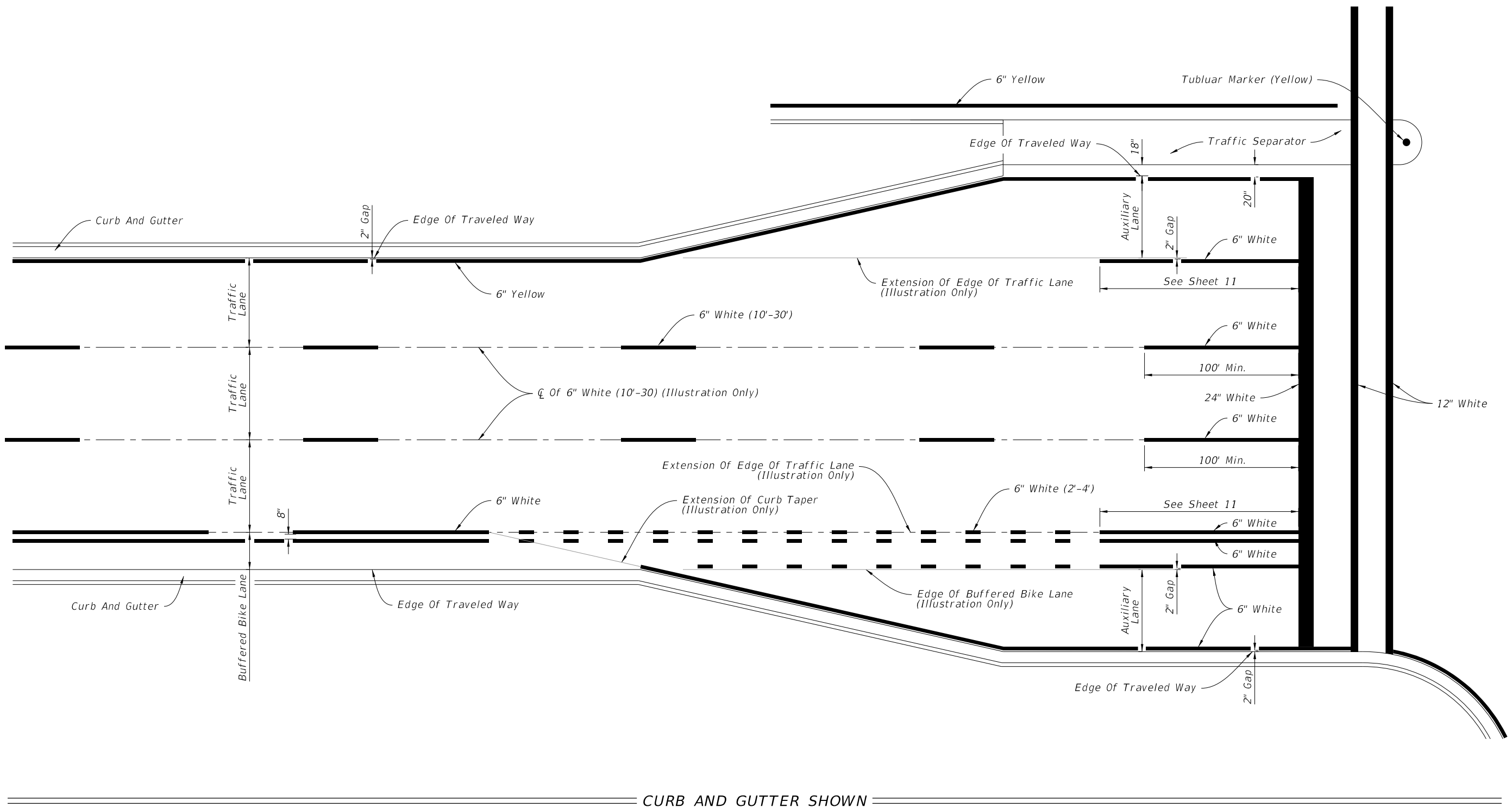
Renumbered

11/01/21

2/5/2021 11:53:40 AM

LAST REVISION 02/05/21	DESCRIPTION: Added railroad pavement marking details.	FDOT FY 2021-22 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 13 4 of 14
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2/5/2021 11:53:41 AM



CURB AND GUTTER SHOWN

Renumbered →

PLACEMENT OF LONGITUDINAL PAVEMENT MARKINGS

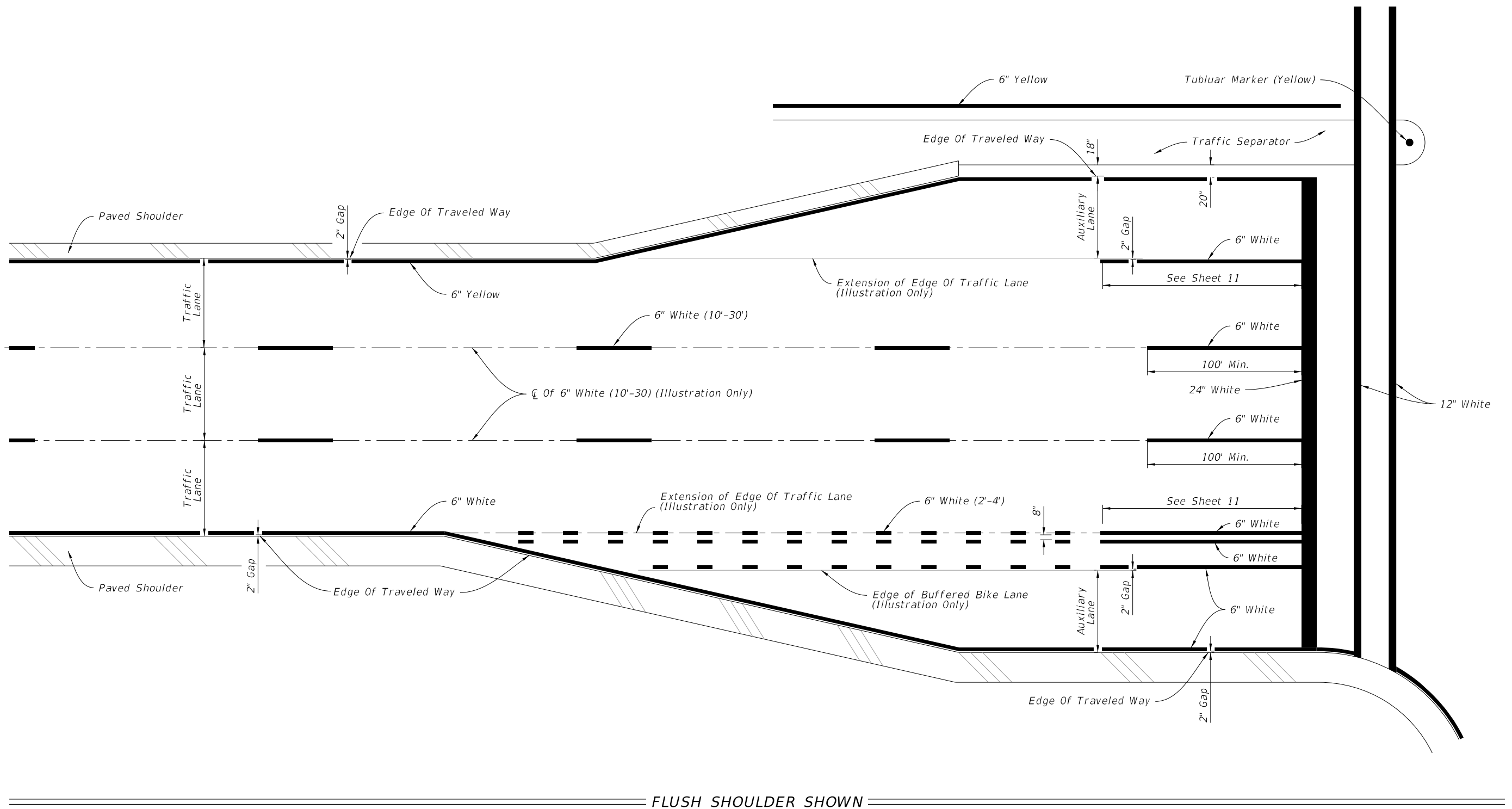
LAST REVISION	DESCRIPTION:
02/05/21	Added railroad pavement marking details.
REVISION	11/01/21


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STANDARD PLANS

PAVEMENT MARKINGS

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	5 of 14

2/5/2021 11:53:42 AM



FLUSH SHOULDER SHOWN

Renumbered

PLACEMENT OF LONGITUDINAL PAVEMENT MARKINGS

LAST REVISION	DESCRIPTION:
02/05/21	Added railroad pavement marking details.
	11/01/21

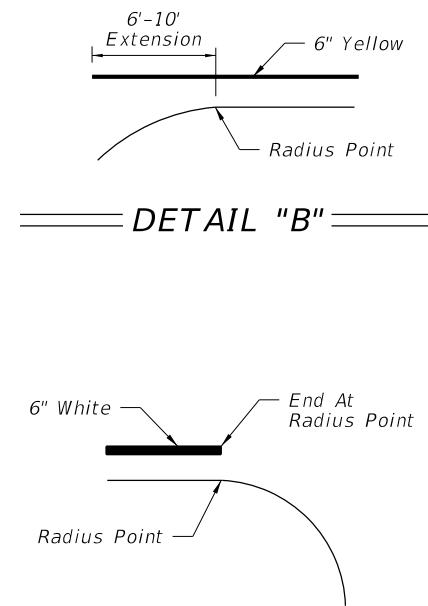
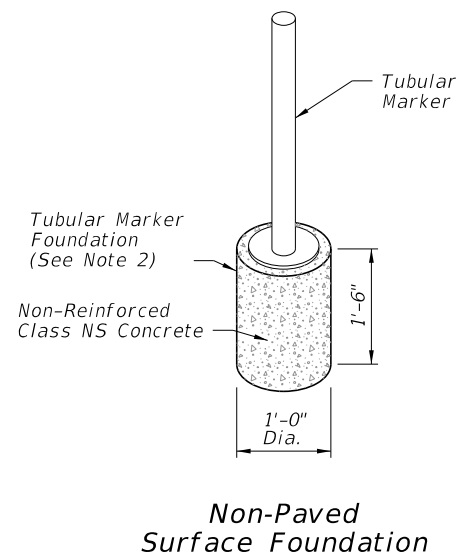
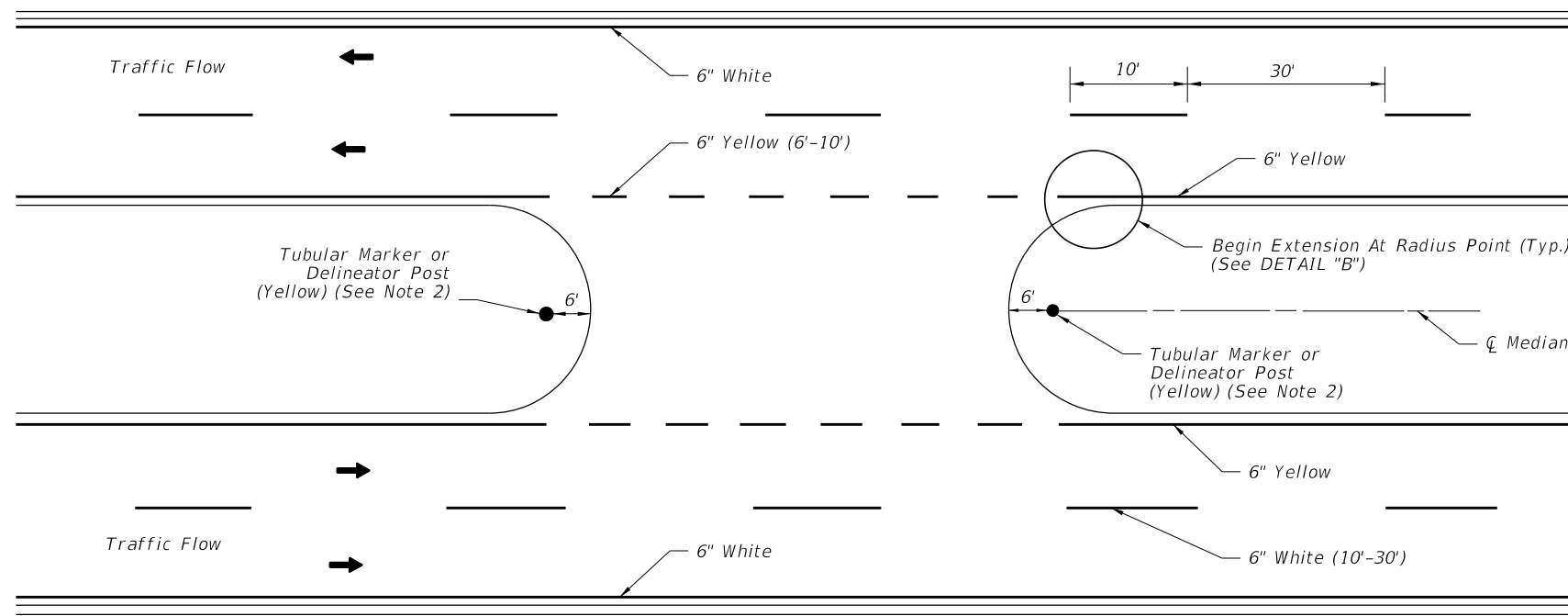


FY 2021-22
STANDARD PLANS

PAVEMENT MARKINGS

INDEX
711-001

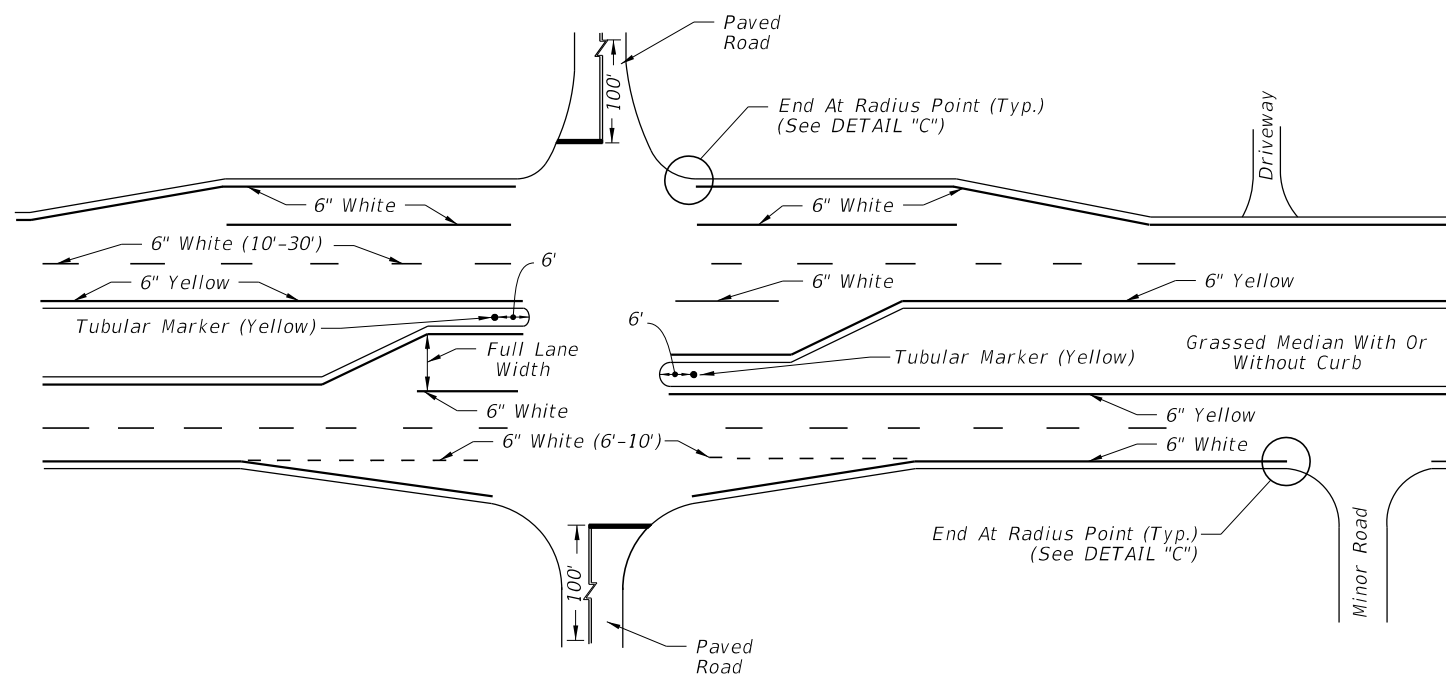
SHEET 13
6 of 14



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

2/5/2021 11:53:45 AM

11/01/21

Renumbered

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

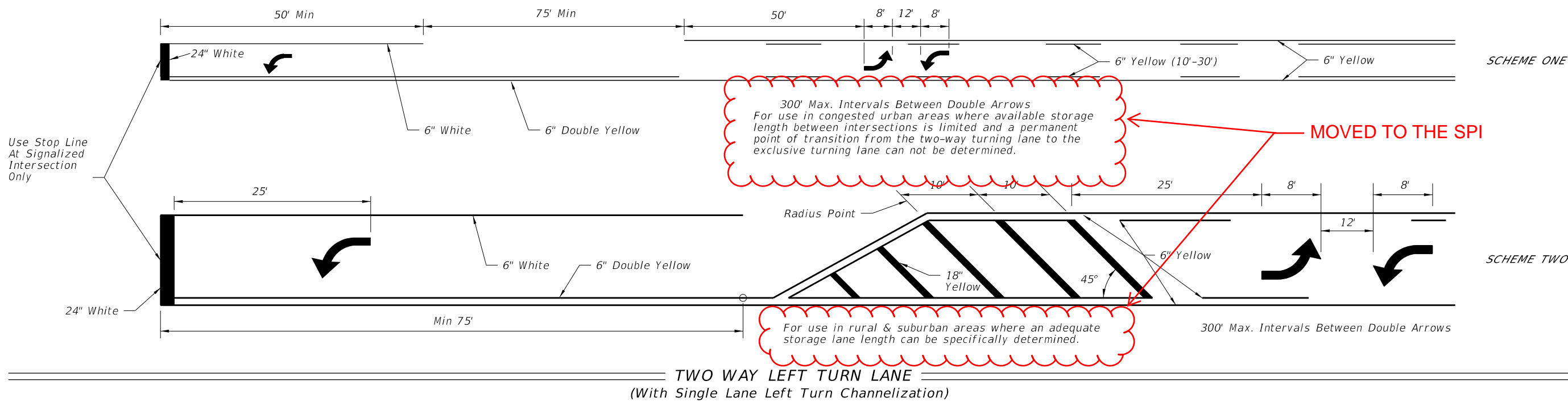


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STANDARD PLANS

PAVEMENT MARKINGS

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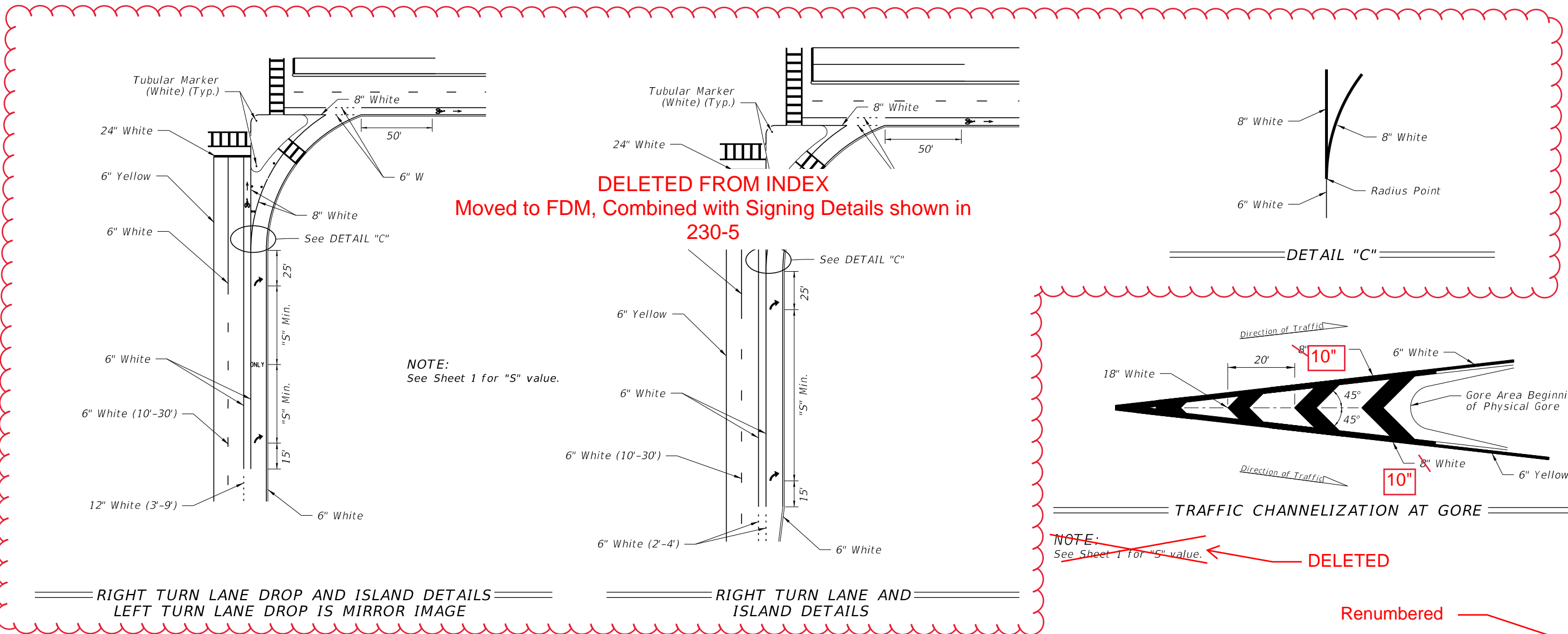
SHEET 13
7 of 14



300' Max. Intervals Between Double Arrows
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 can not be determined.

MOVED TO THE SPI

For use in rural & suburban areas where an adequate storage lane length can be specifically determined.



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

DETAIL "C"

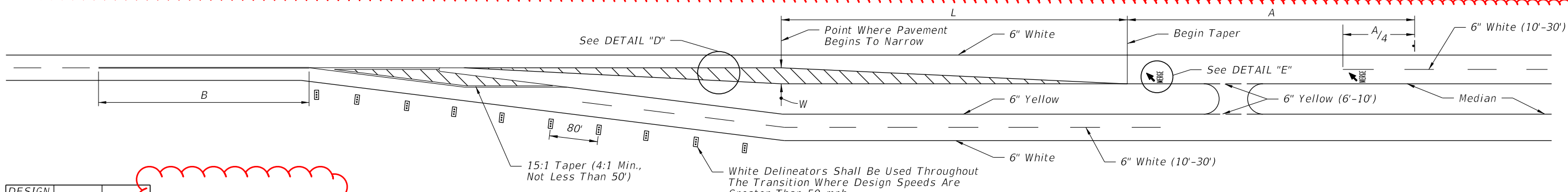
NOTE:
See Sheet 1 for "S" value.

DELETED

Renumbered

2/5/2021 11:53:47 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 8 of 14 13
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DESIGN SPEED (MPH)	"A" (FT.)	"B" (FT.)
60	---	640
55	950	595
50	850	550
45	750	500
40	650	455
30	450	365

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	$L = WS$

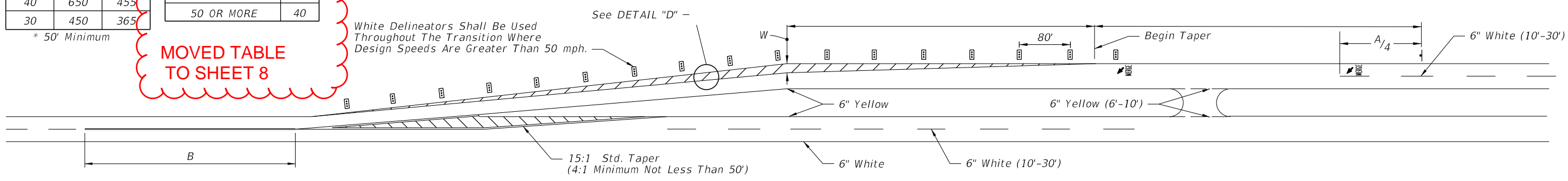
MOVED TABLE TO SHEET 8

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.

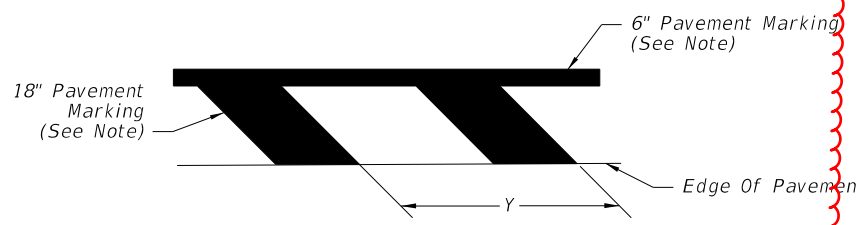


RIGHT ROADWAY CENTERED ON EXISTING ROADWAY

SCHEMES FOR TRANSITION - 2 LANE / 4 LANE ROADWAY

DELETED FROM INDEX

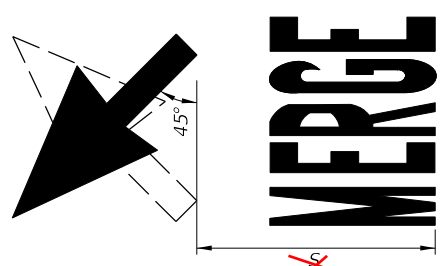
Moved to FDM, Combined with Signing Details shown in 230-5



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"

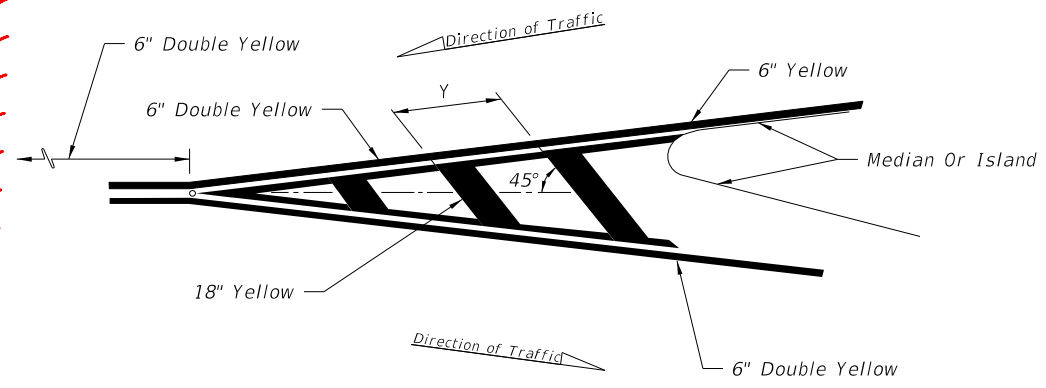
MOVED DETAILS TO SHEET 2



~~NOTE: See Sheet 1 for "S" value.~~

~~DETAIL "E"~~

MOVED DETAILS TO SHEET 8



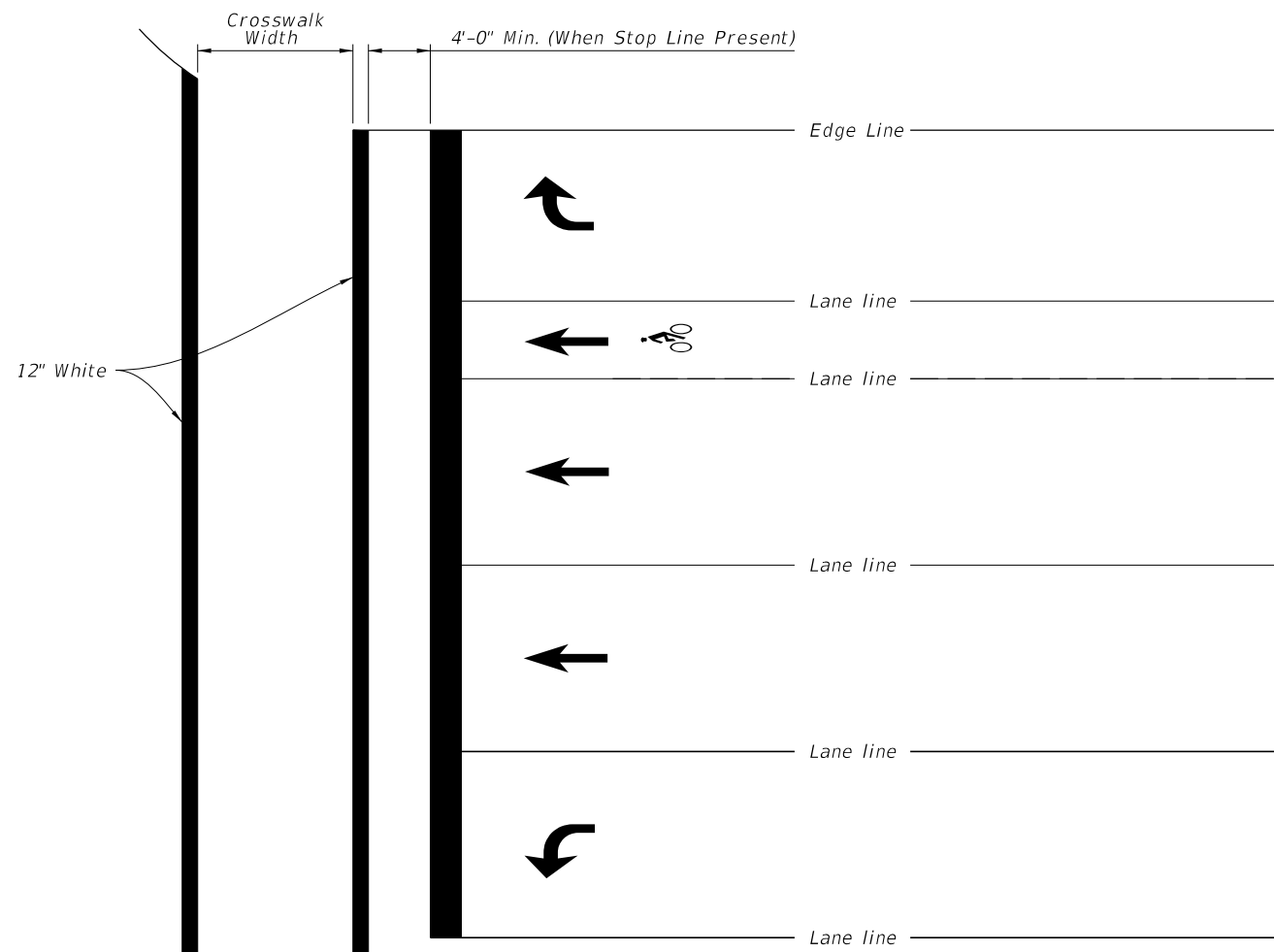
CHANGED TO: 25

DELETED NOTE

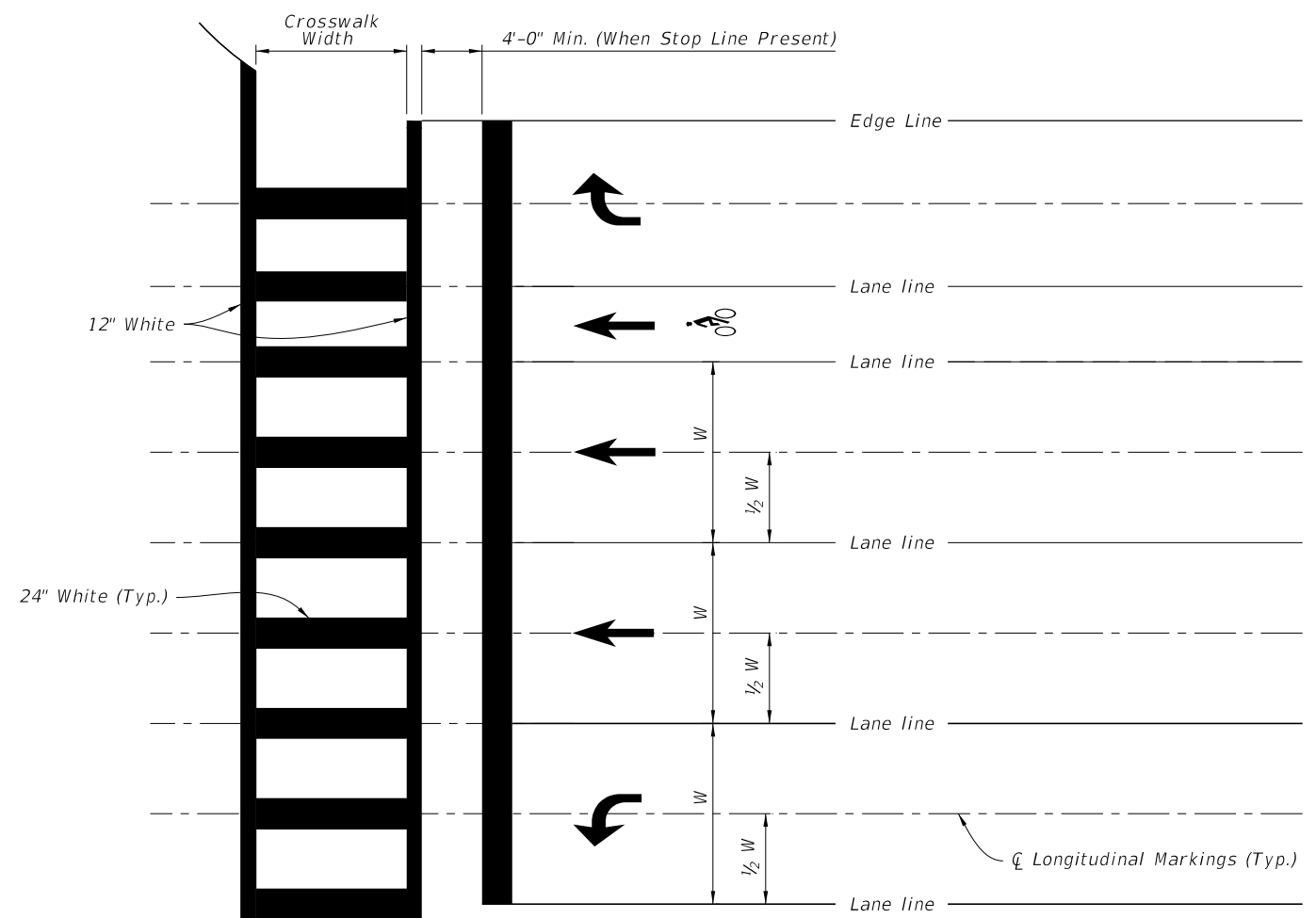
MARKINGS FOR TRAFFIC SEPARATION

CHANGED TO: Marking for Merge

2/7/2021 11:35:46 AM



STANDARD CROSSWALK DETAILS



SPECIAL EMPHASIS CROSSWALK DETAILS


NOTES:

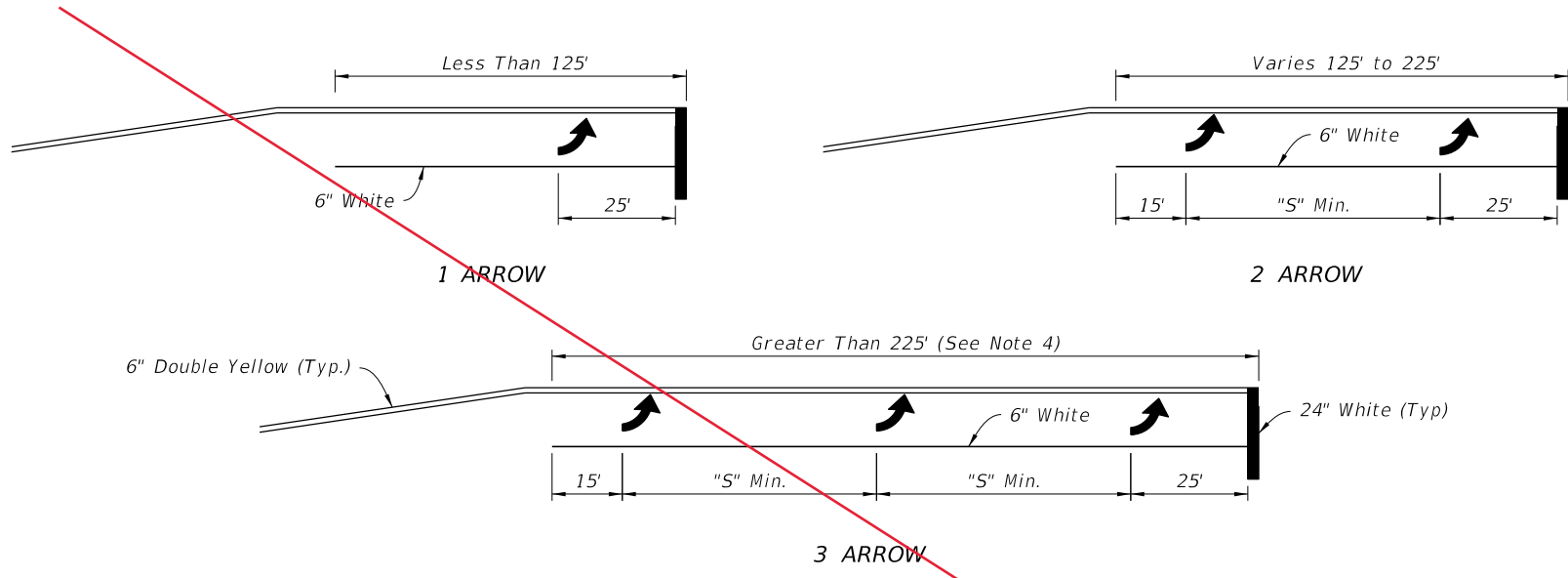
1. For crosswalk width, exceed width of the adjacent sidewalk, but do not make width less than 6' for intersection crosswalks and 10' for midblock crosswalks. Measure width from the inside of the transverse crosswalk markings.
2. When the Special Emphasis Crosswalk is not perpendicular to the lane lines, 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

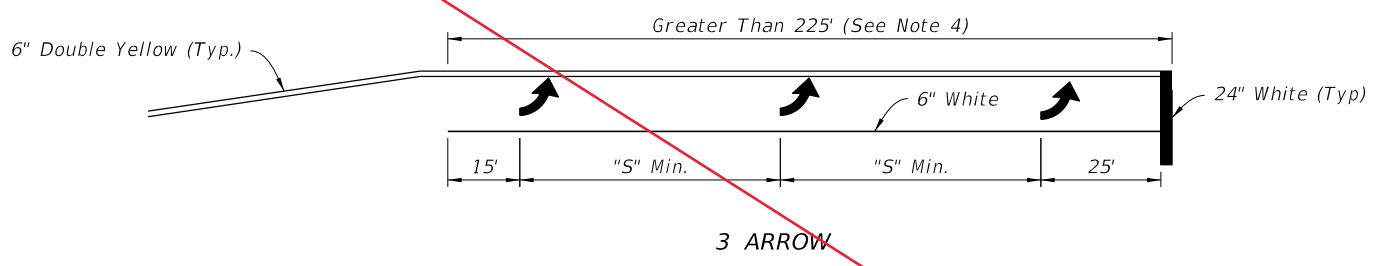
11/01/21

9 of 13

LAST REVISION 02/05/21	REVISION DESCRIPTION: Added railroad pavement marking details.	 FY 2021-22 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 10 of 14
--------------------------------------	---	---	--------------------------	-------------------------	------------------------------

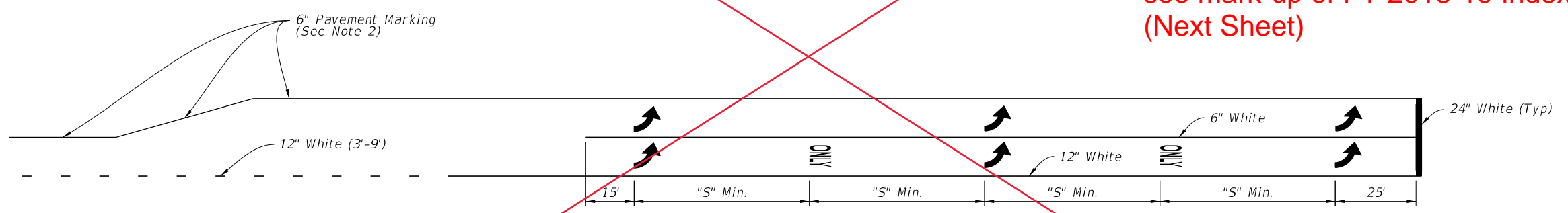


- NOTES:**
1. This Index also applies to right turn lanes.
 2. Make pavement marking yellow for left-turn lanes and white for right turn lanes.
 3. See Sheet 1 for "S" value.
 4. Space arrows evenly between the first and last arrow with a minimum spacing of "S" between arrows.
 5. For turn lanes greater 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.

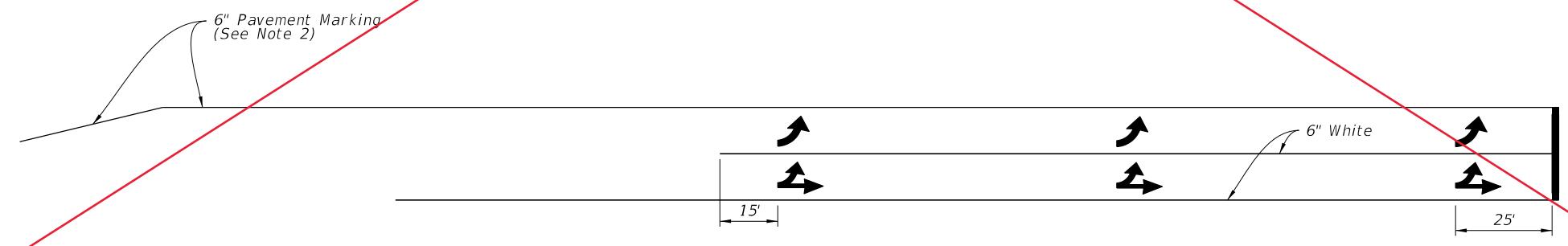


SINGLE LEFT TURNS

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



Through Lane Becomes Exclusive Left Turn



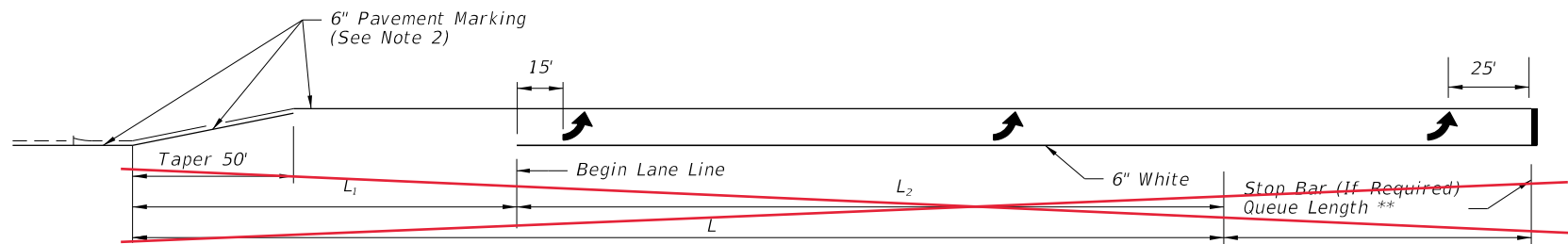
Through Lane Becomes Optional Left Turn

DOUBLE LEFT TURNS

2/5/2021 11:53:52 AM

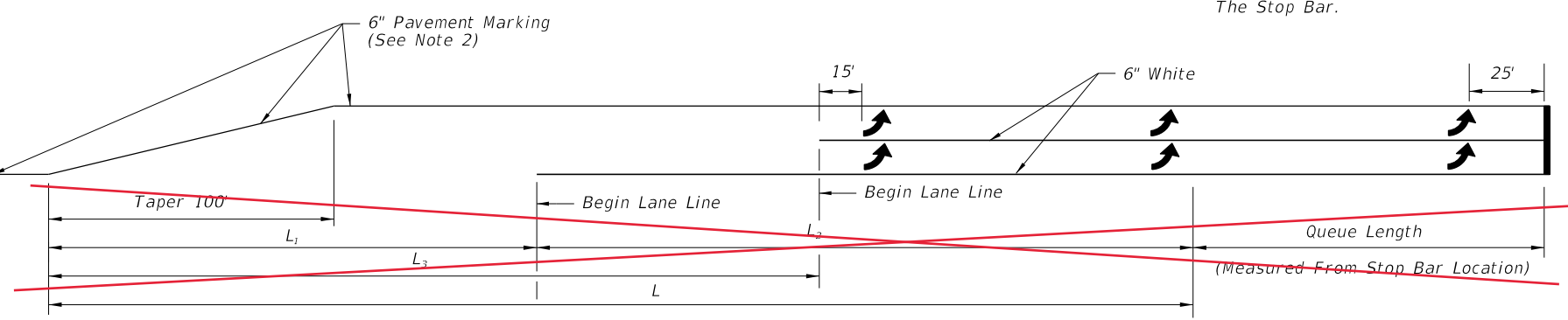
11/01/21

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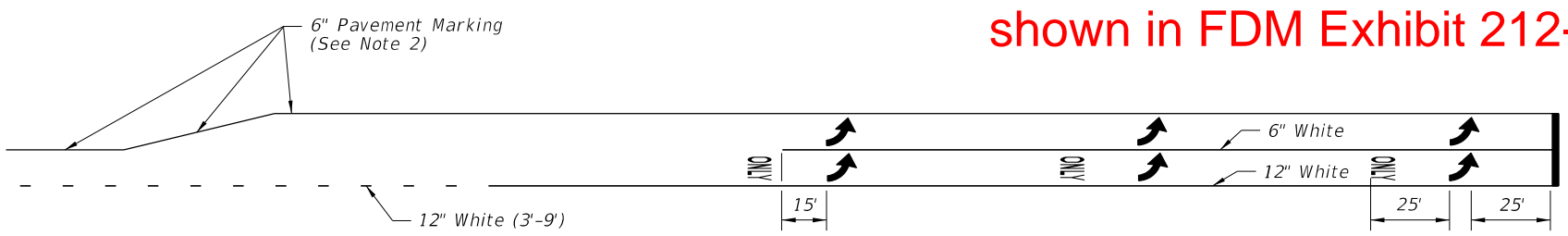


SINGLE LEFT TURNS

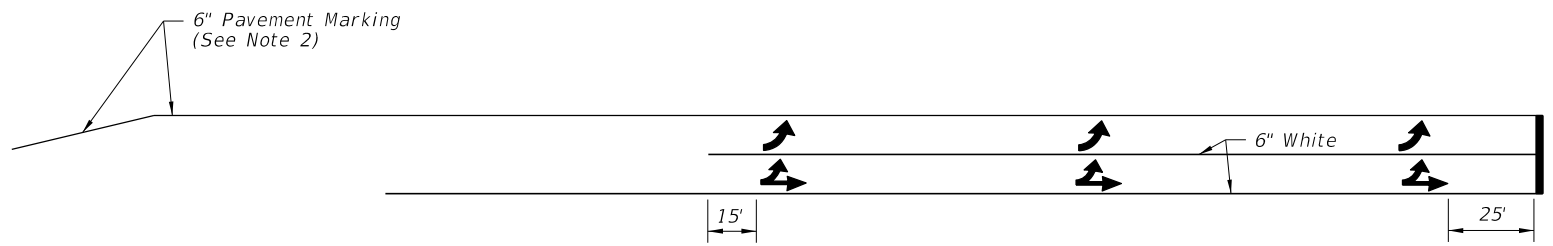
** Queue Length Is Measured From The Median Nose Radial Point Or, When A Stop Bar Is Required, From The Stop Bar.



Delete redundant information shown in FDM Exhibit 212-1.



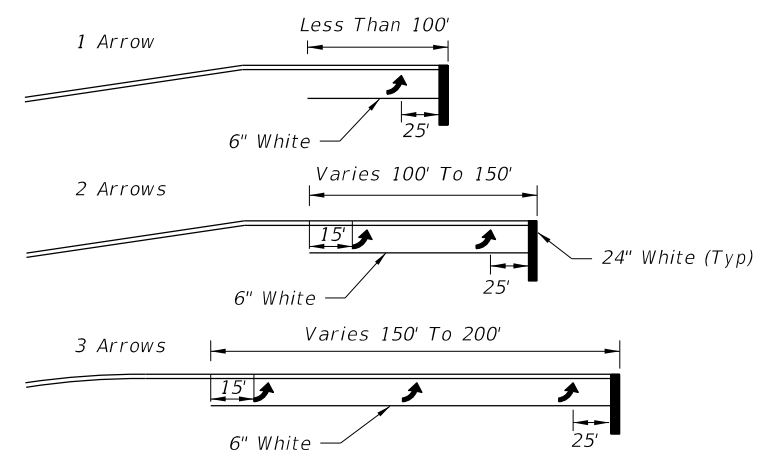
Through Lane Becomes Exclusive Left Turn



Through Lane Becomes Optional Left Turn

DOUBLE LEFT TURNS

TURN LANES - CURBED AND UNCURBED MEDIANS							
Design Speed (mph)	Clearance Distance	URBAN CONDITIONS			RURAL CONDITIONS		
		Brake To Stop Distance	Total Decel. Distance	Clearance Distance	Brake To Stop Distance	Total Decel. Distance	Clearance Distance
	L_1	L_2	L	L_3	L_2	L	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.

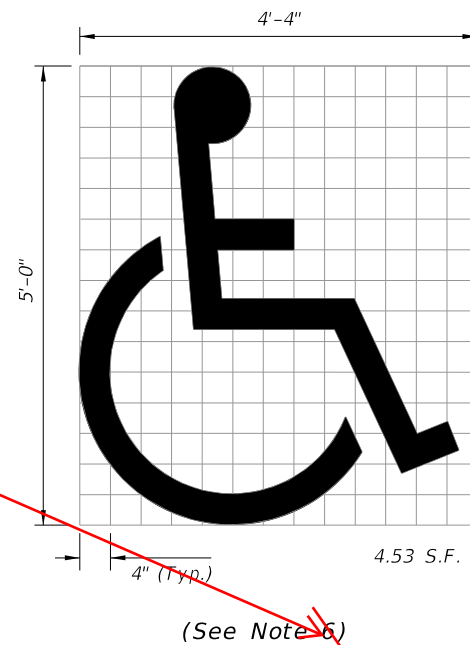
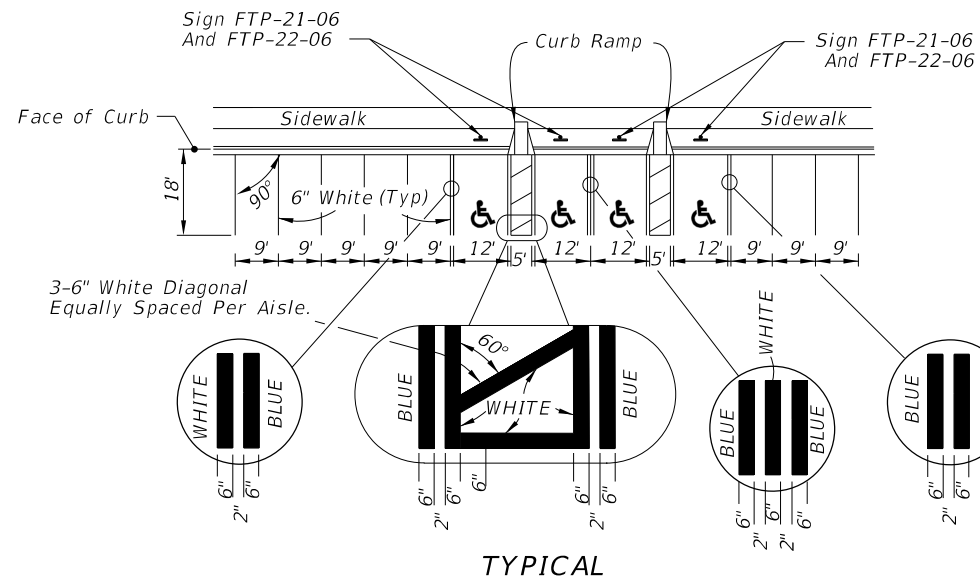
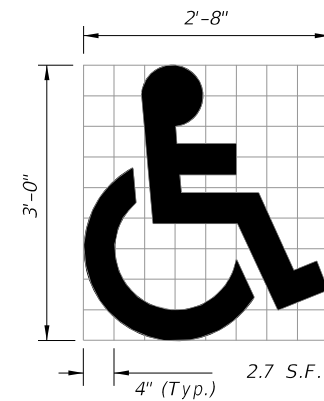
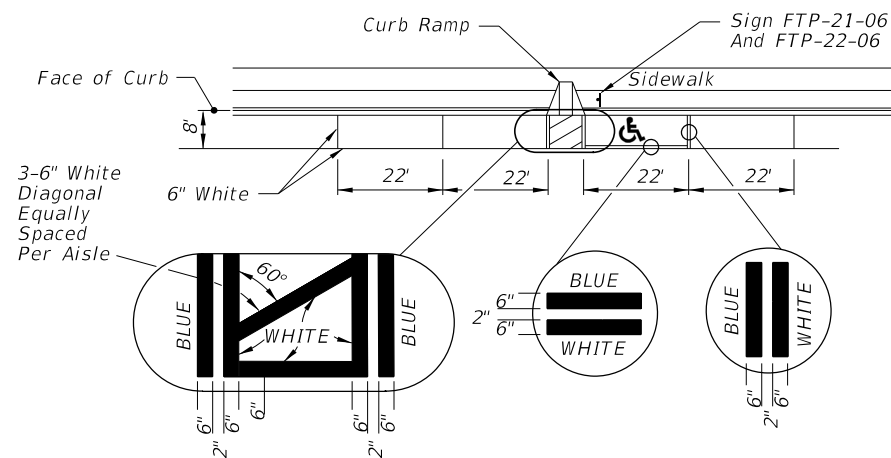
TURN LANE MARKINGS

Added Title

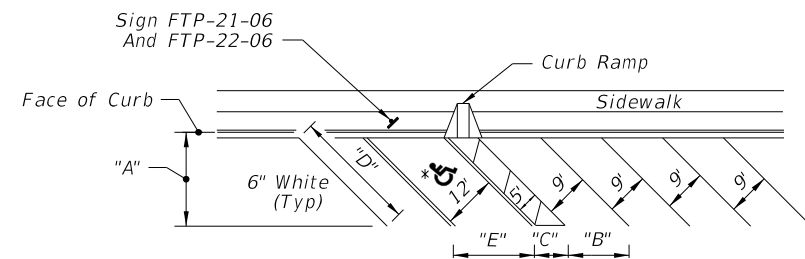
ARROW SPACING AND TURN LANE MARKINGS

Renumbered

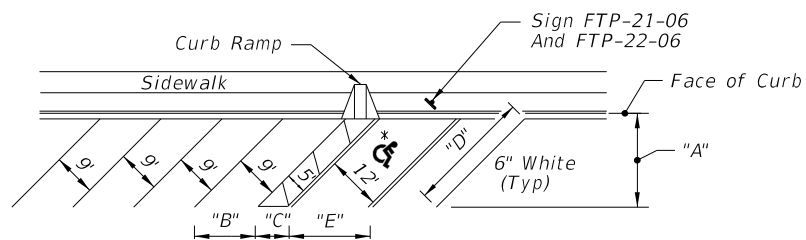
11/1/2017 2:33:16 PM



CHANGED REFERENCE TO: Note 5



FORWARD-IN PARKING



REVERSE-IN PARKING

* FOR ACCESSIBLE MARKINGS - SEE ABOVE

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

PAVEMENT MARKING FOR PARKING

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 Standards 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

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



FY 2021-22
STANDARD PLANS

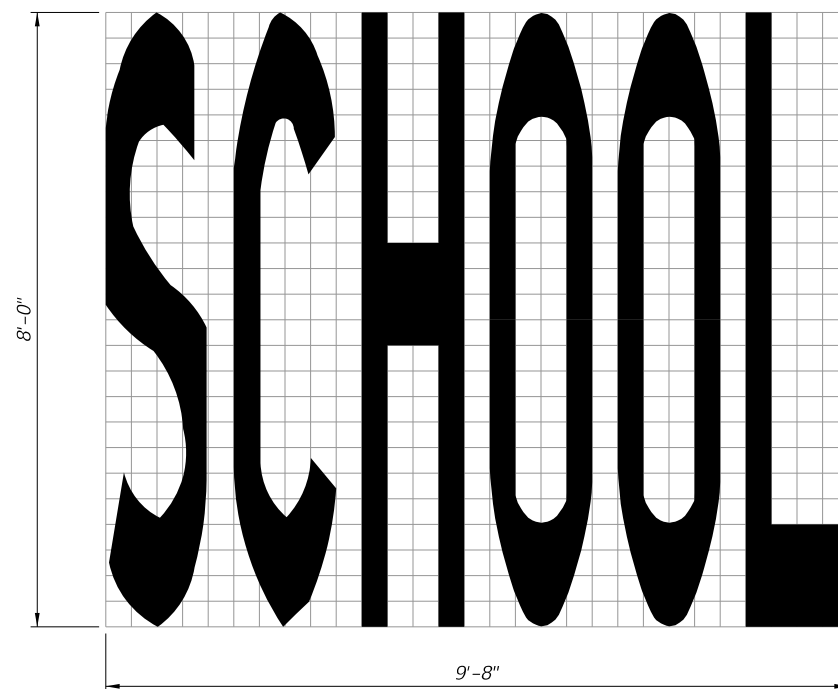
PAVEMENT MARKINGS

INDEX
711-001

SHEET
~~12 of 14~~

11/01/21

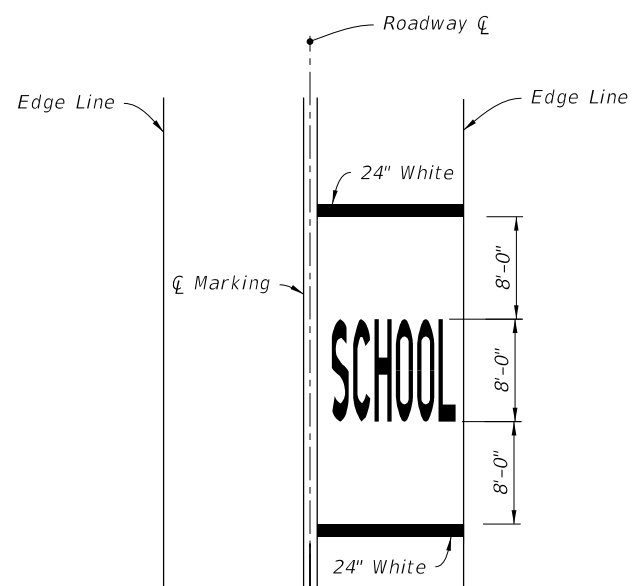
33 S.F.



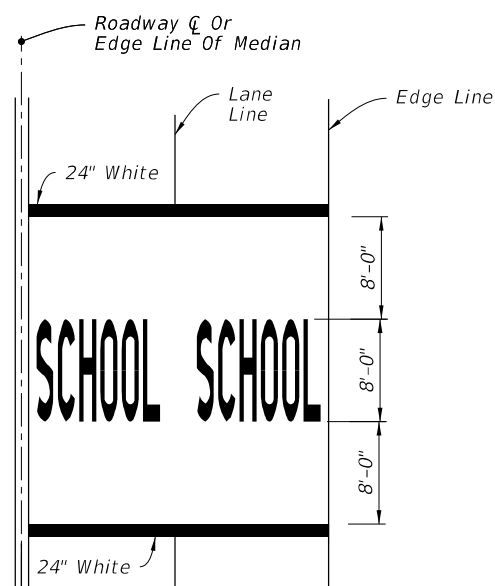
SCHOOL PAVEMENT MARKING

NOTES:

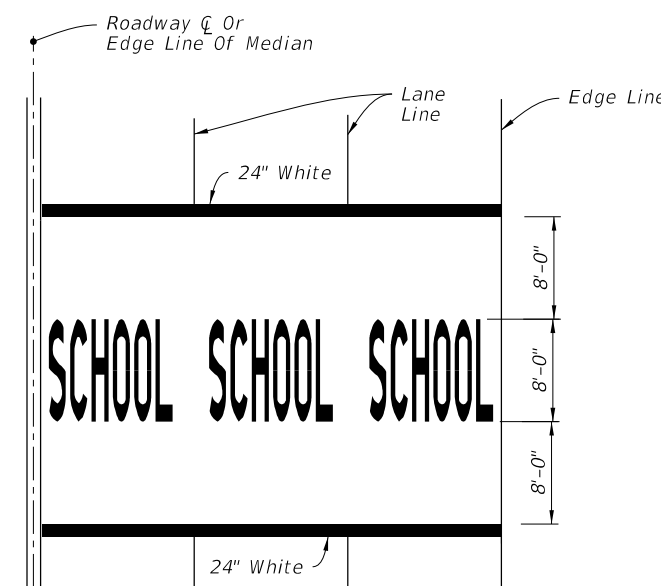
- 1. All grids are 4" x 4".
- 2. Pavement Marking Should Not Extend Into Opposing Lane.
- 3. Center School Pavement Marking in lane.



SINGLE-LANE APPROACH



TWO-LANE APPROACH



MULTI-LANE APPROACH
(Three or More)

MARKINGS FOR SCHOOL ZONES

2/5/2021 11:53:57 AM

11/01/21

12 of 13

LAST REVISION 02/05/21	REVISION	DESCRIPTION: Added railroad pavement marking details.
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FY 2021-22
STANDARD PLANS

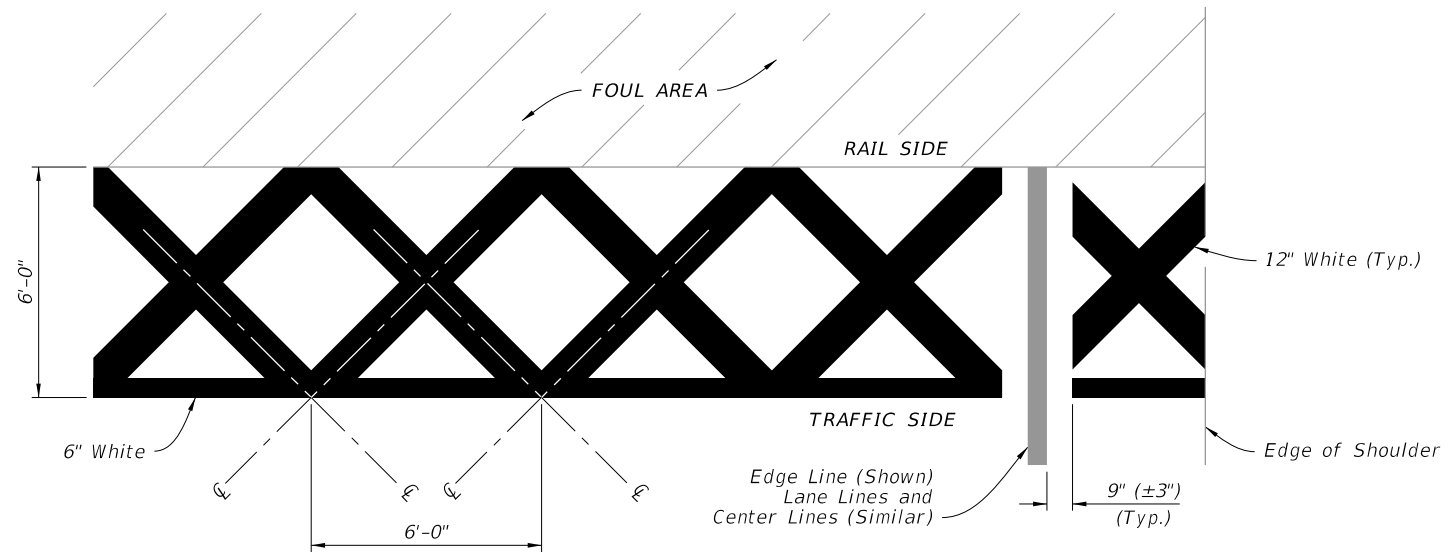
PAVEMENT MARKINGS

INDEX
711-001

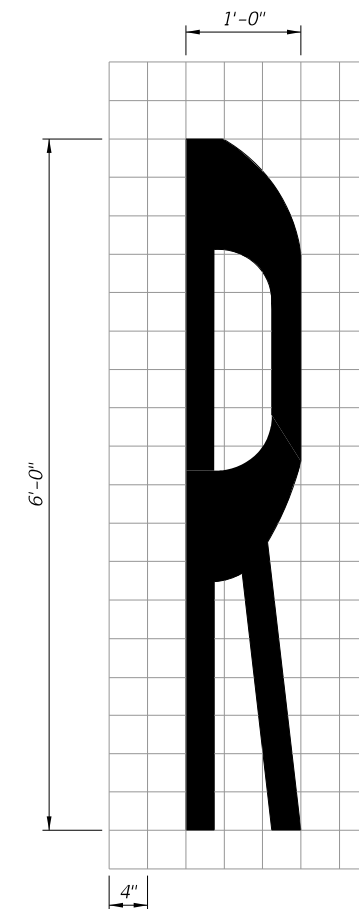
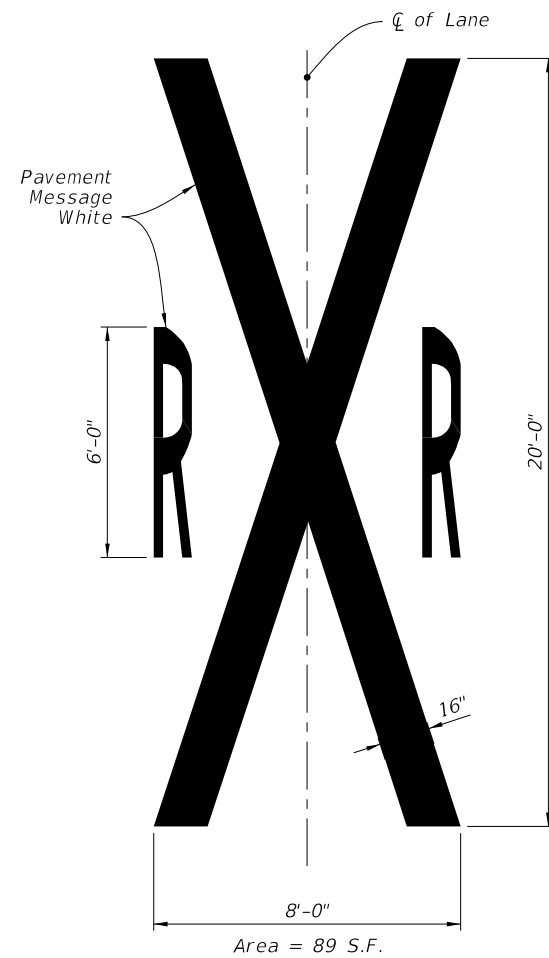
SHEET
~~13 of 14~~

NOTE:

Orient Railroad Dynamic Envelope Marking as shown in the Plans.



RAILROAD DYNAMIC ENVELOPE (RDE) PAVEMENT MARKING DETAIL



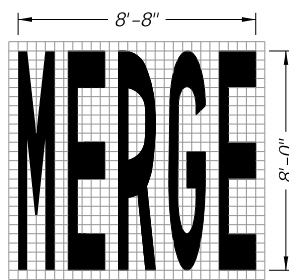
RAILROAD CROSSING PAVEMENT MESSAGE

2/5/2021 11:53:59 AM

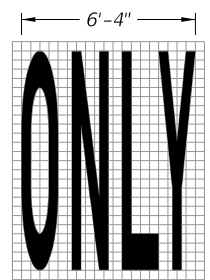
11/01/21

13 of 13

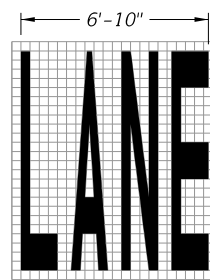
<p>LAST REVISION 02/05/21</p>	<p>DESCRIPTION: Added railroad pavement marking details.</p>	 <p>FY 2021-22 STANDARD PLANS</p>	<p>PAVEMENT MARKINGS</p>	<p>INDEX 711-001</p>	<p>SHEET 14 of 14</p>
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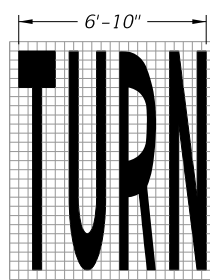
34 S.F.



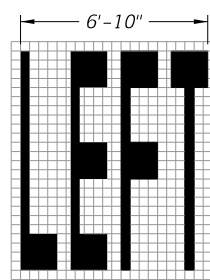
22 S.F.



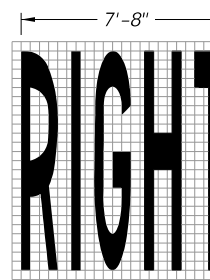
23 S.F.



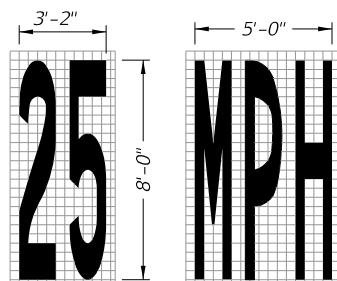
24 S.F.



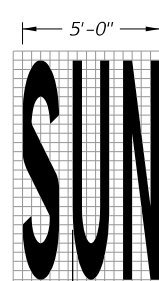
20 S.F.



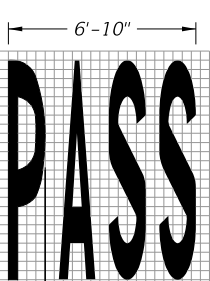
26 S.F.



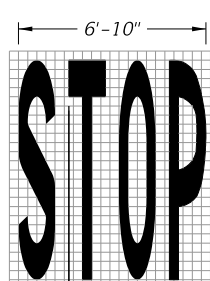
13 S.F.



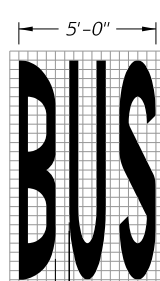
20 S.F.



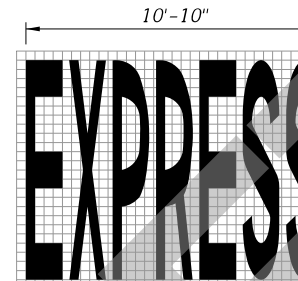
23 S.F.



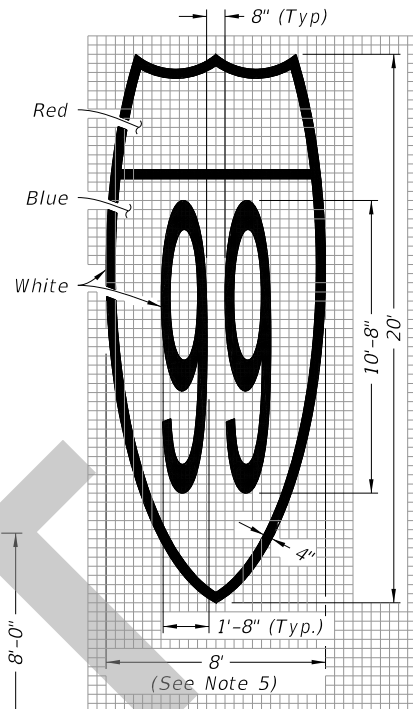
22 S.F.



20 S.F.

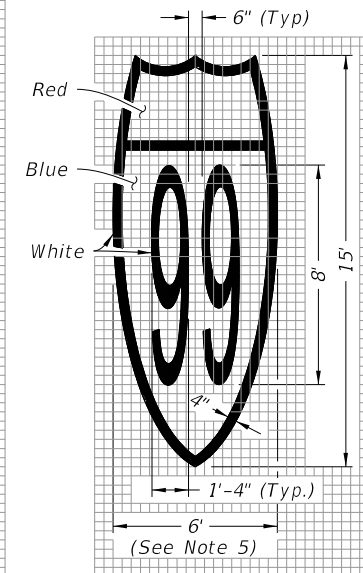


43 S.F.



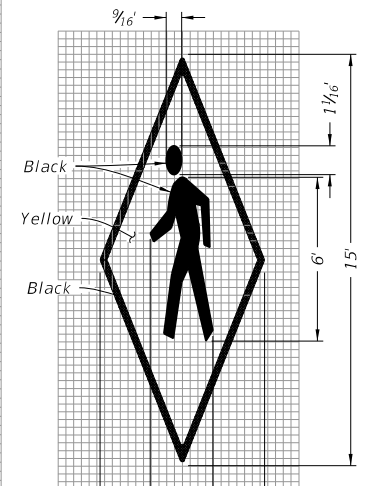
Route Shield for Limited Access Roadways (Interstate Route Shield Shown; U.S. and State Route Shield Similar)

128 S.F.



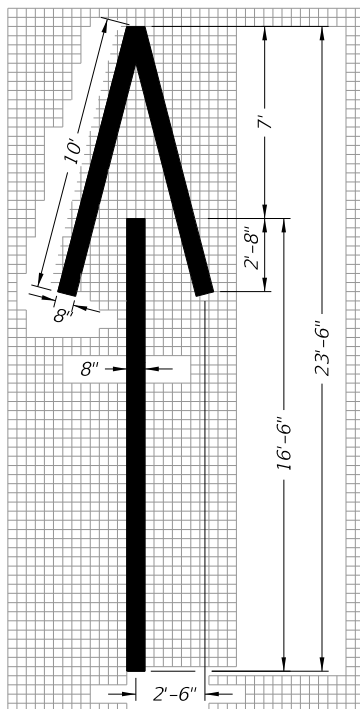
Route Shield for Arterials and Collectors (Interstate Route Shield Shown; U.S. and State Route Shield Similar)

72 S.F.

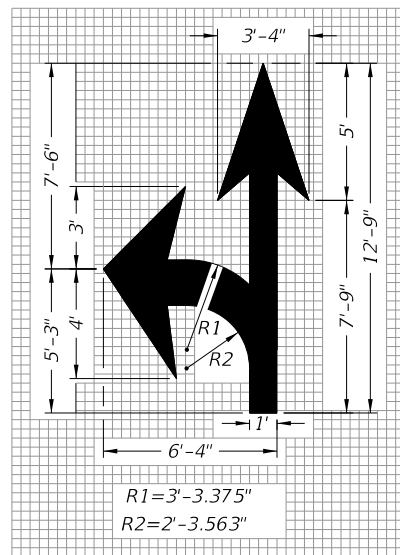


In Pavement Warning Marking

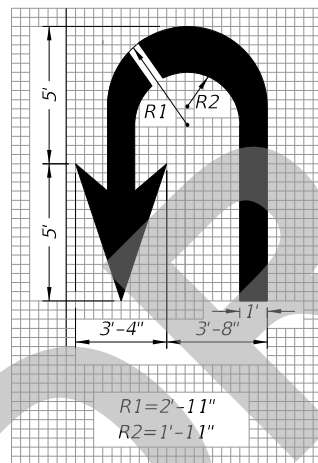
45 S.F.



Wrong-Way Arrow
24 S.F.

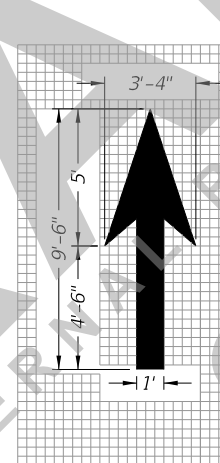


Turn and Through Lane-Use Arrow
29 S.F.

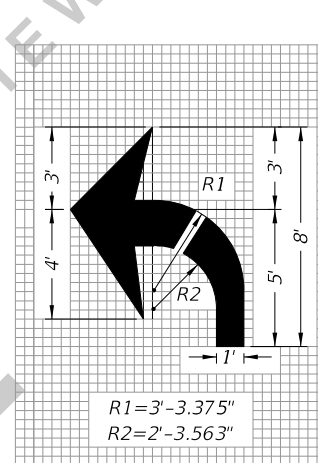


R1=2'-11"
R2=1'-11"

U Turn Lane-Use Arrow
27 S.F.

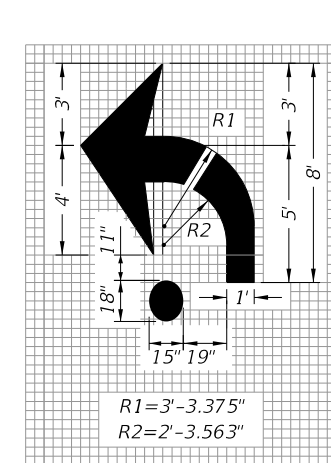


Through Lane-Use Arrow
12 S.F.

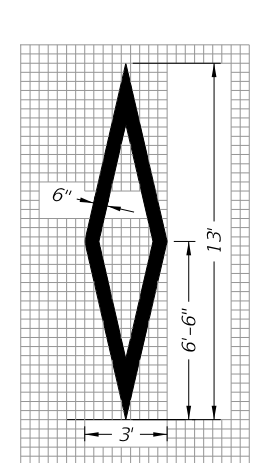


R1=3'-3.375"
R2=2'-3.563"

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.

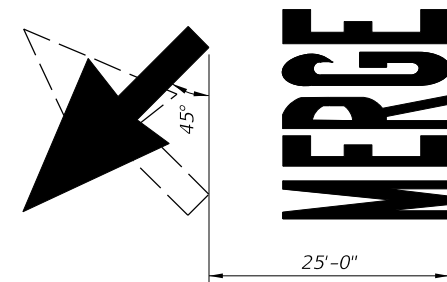
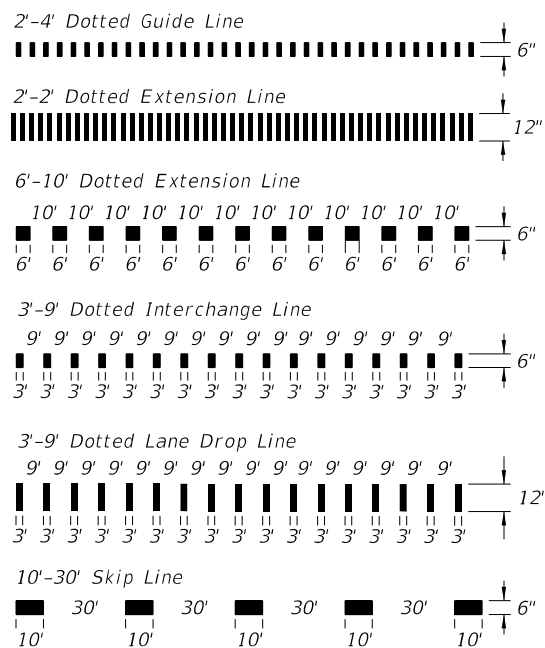
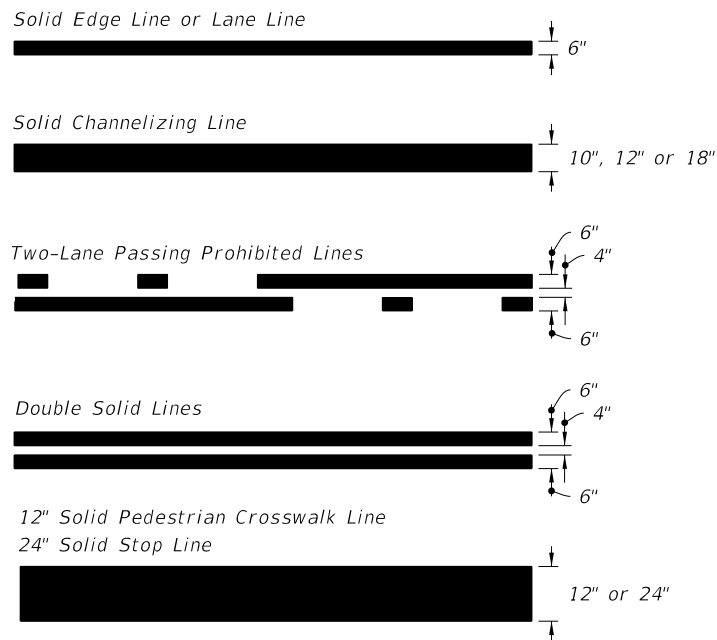
PAVEMENT MESSAGES NOTES:

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

7/27/2021 9:42:07 AM

LAST REVISION 11/01/21	DESCRIPTION:
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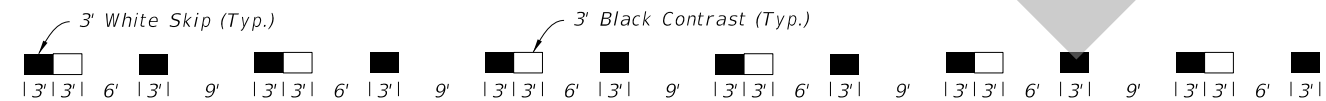


PAVEMENT MARKING LINES

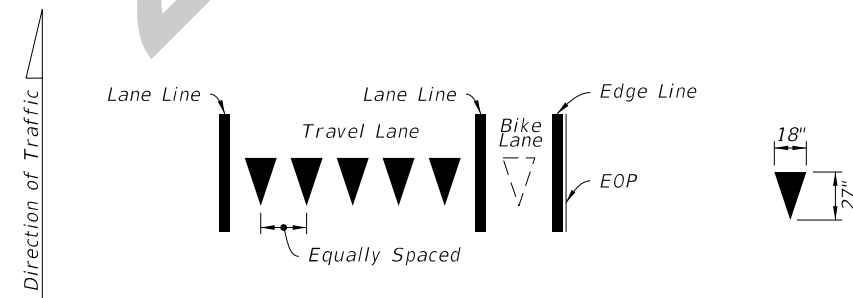
MARKINGS FOR MERGE



10'-30' SKIP LINE WITH SHADOW MARKINGS



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



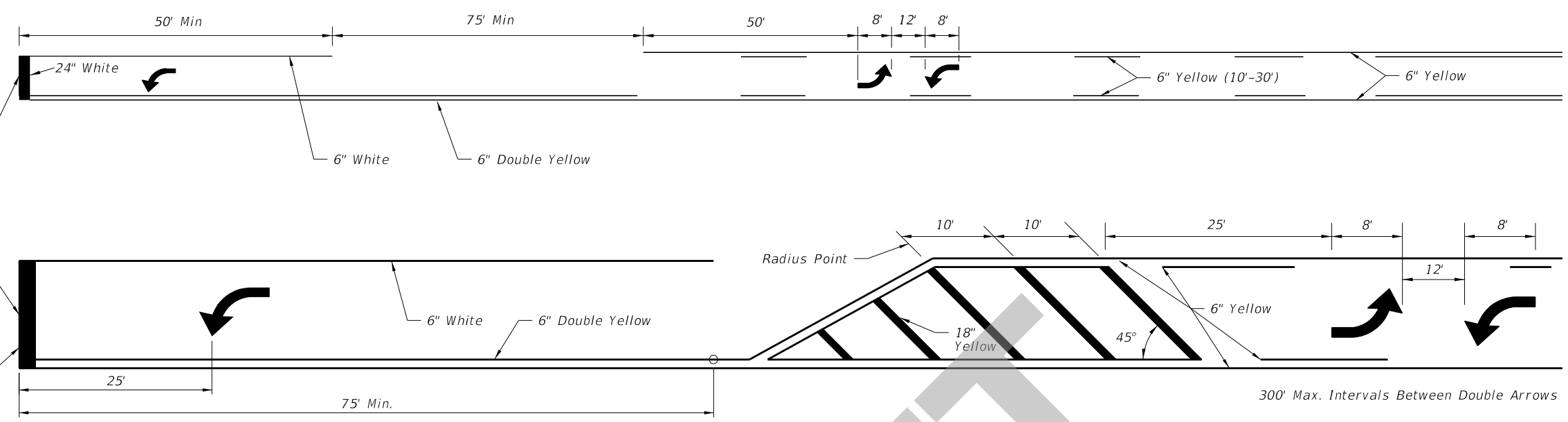
Yield Lines consist of five - 18" X 27" white triangles which face traffic. Equally space triangles within traffic lane. When a bike lane is present, add one additional triangle in the center of the bike lane.

YIELD LINES

7/27/2021 9:42:10 AM

LAST REVISION 11/01/21	REVISION	DESCRIPTION:		FY 2022-23 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 2 of 13
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Use Stop Line
At Signalized
Intersection
Only

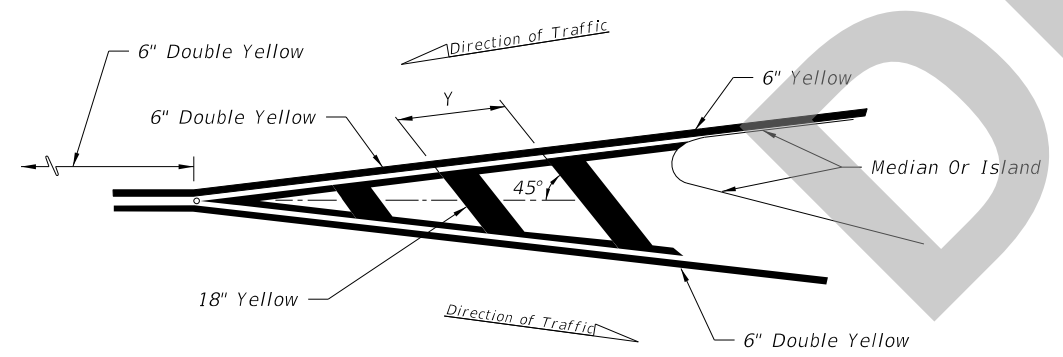


SCHEME ONE

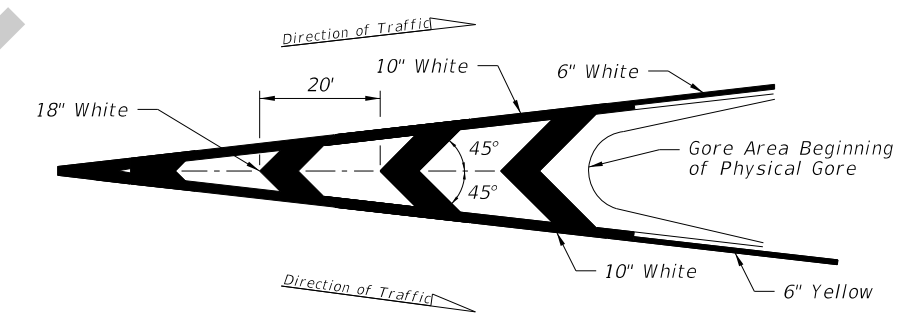
SCHEME TWO

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

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

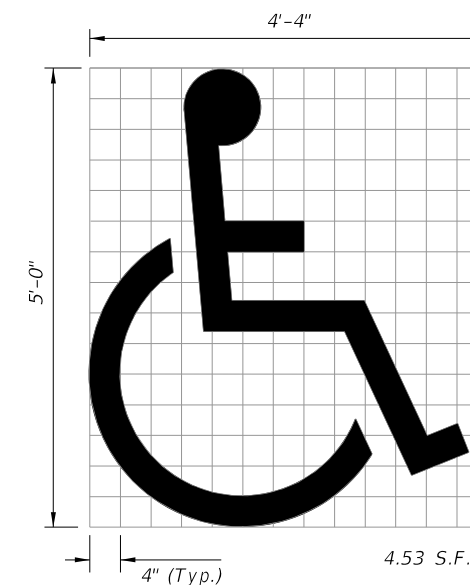
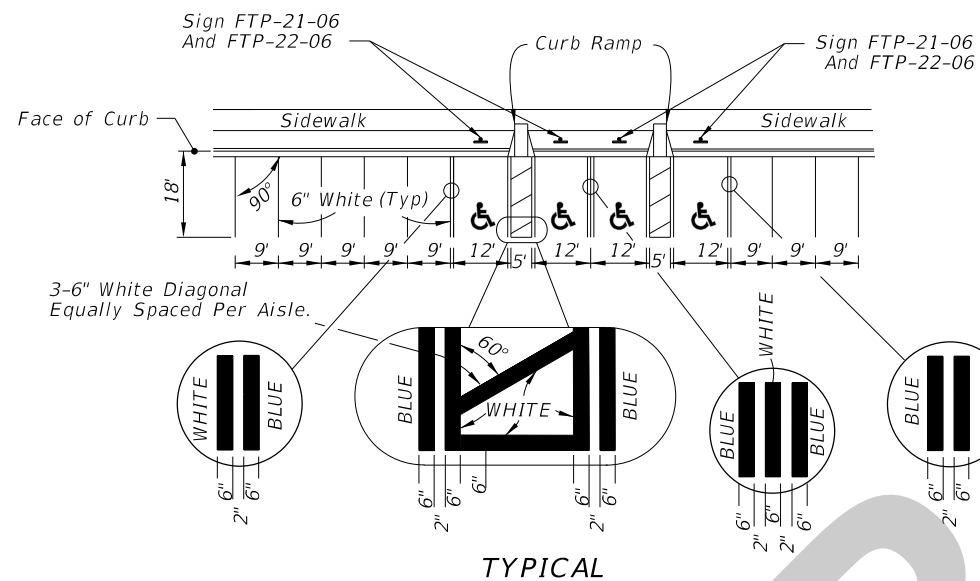
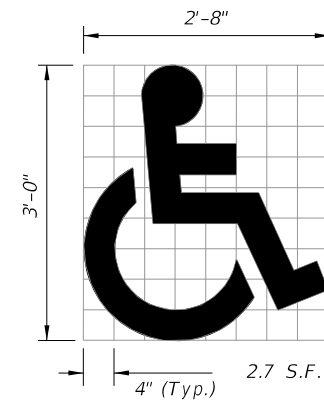
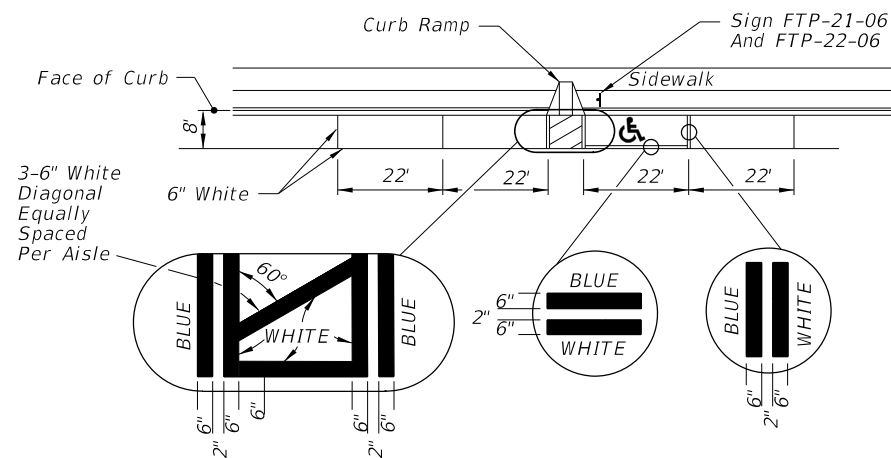


MARKINGS FOR TRAFFIC SEPARATION



TRAFFIC CHANNELIZATION AT GORE

7/27/2021 9:42:15 AM

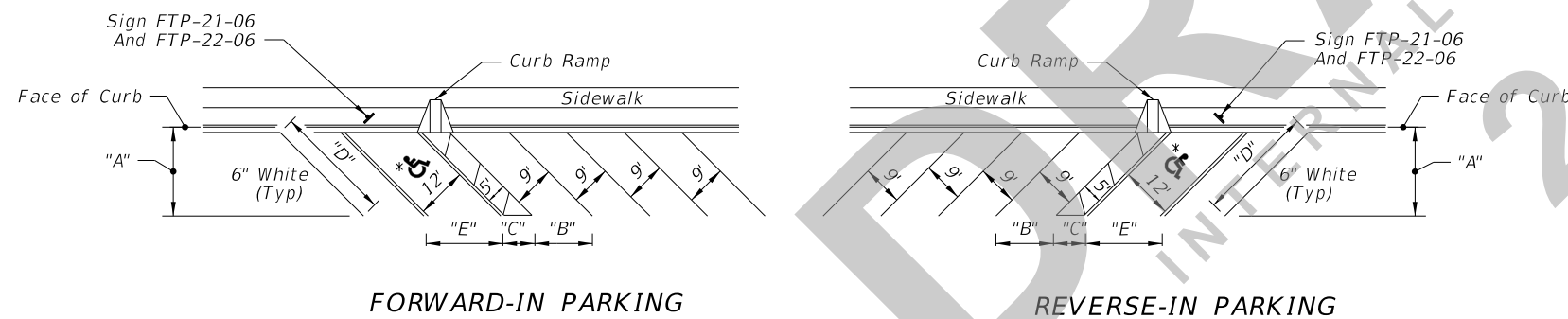


(See Note 5)

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.



FORWARD-IN PARKING

REVERSE-IN PARKING

* FOR ACCESSIBLE MARKINGS - SEE ABOVE

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

PAVEMENT MARKING FOR PARKING

7/27/2021 9:42:17 AM