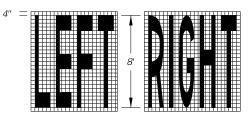
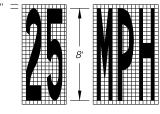


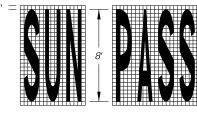
23 s.f.

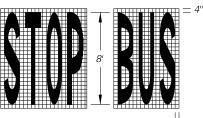
24 s.f.





13 s.f.

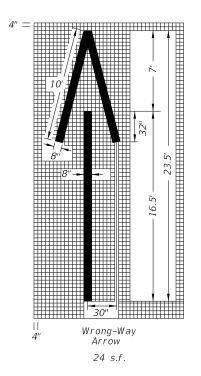


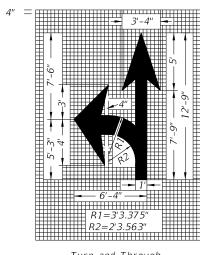


20 s.f.

23 s.f. 20 s.f.



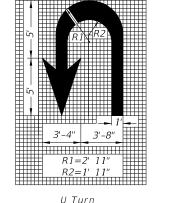






DIMENSIONS ARE WITHIN 1" ±

20 s.f.



26 s.f.

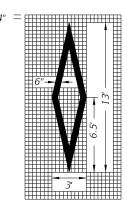
Lane-Use Arrow

Turn Lane-Use Arrow

17 s.f.

12 s.f.

Right Turn Arrow To Be Reversed.



Preferential Lane Symbol

11 s.f.





Lane-Use

Arrow

27 s.f.

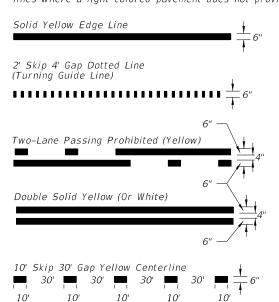
TYPES OF PERMANENT LONGITUDINAL LINES

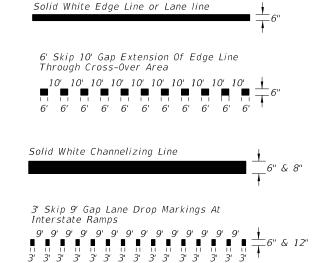
NOTE: When arrow and pavement message are used together, the arrow shall be located down stream of the pavement message and shall be separated from the pavement message by a distance of 25' (Base of the arrow to the base of the message). Stop message shall be placed 25' from back of stop line.

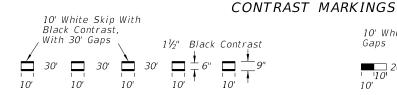
BASIC COLOR RULE:

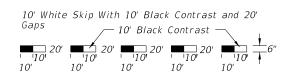
≥ DESCRIPTION:

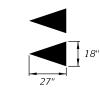
White lines separate traffic in the same direction. Yellow lines separate traffic in opposing directions. Yellow dotted lines may be used in special cases. Black may be used in combination with white for skip lines where a light-colored pavement does not provide sufficient contrast with the markings.











Yield Lines 5-18" X 27" White triangles facing traffic equally spaced within travel lane with 1 additional triangle using same spacing when a bike lane is present.

LAST REVISION 01/01/12

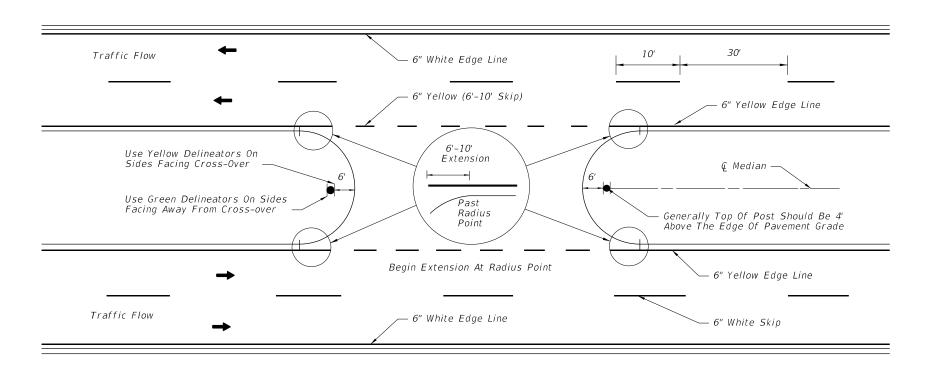


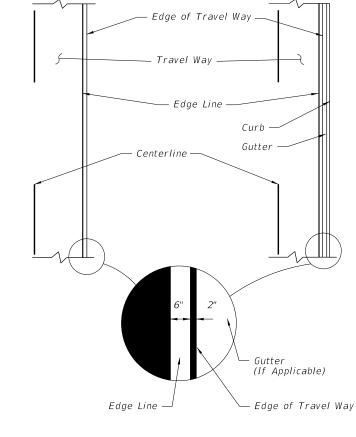
FDOT DESIGN STANDARDS FY 2012/2013

SPECIAL MARKING AREAS

INDEX NO. 17346

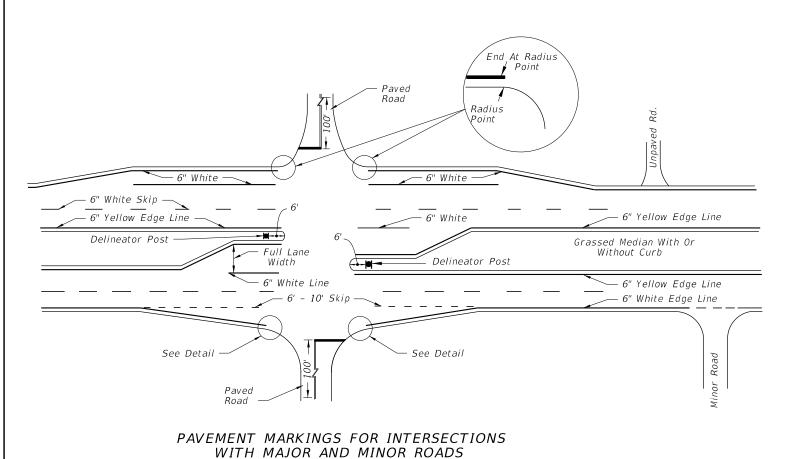
SHEET NO.

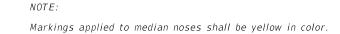


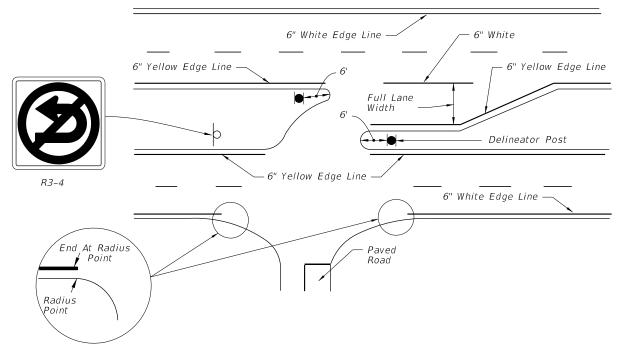


PAVEMENT MARKINGS AND DELINEATORS FOR MEDIAN CROSS-OVER



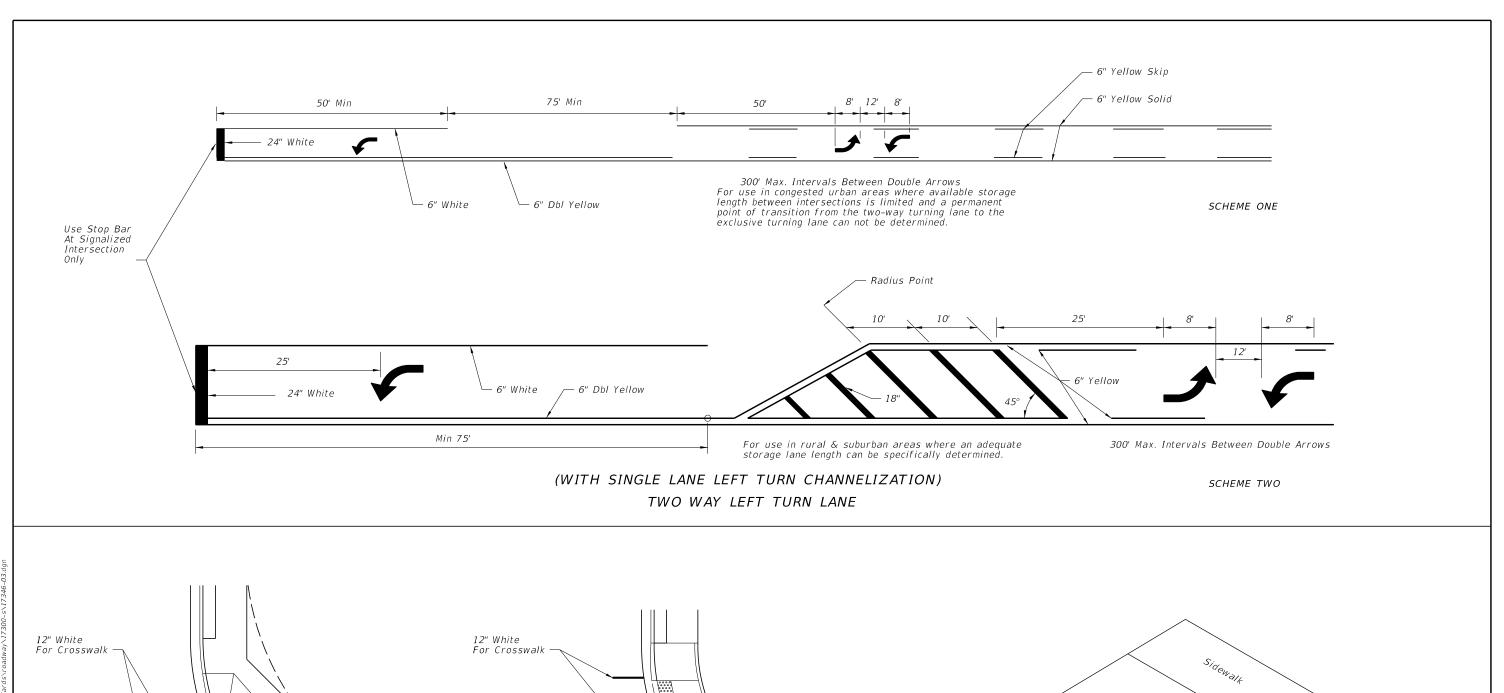


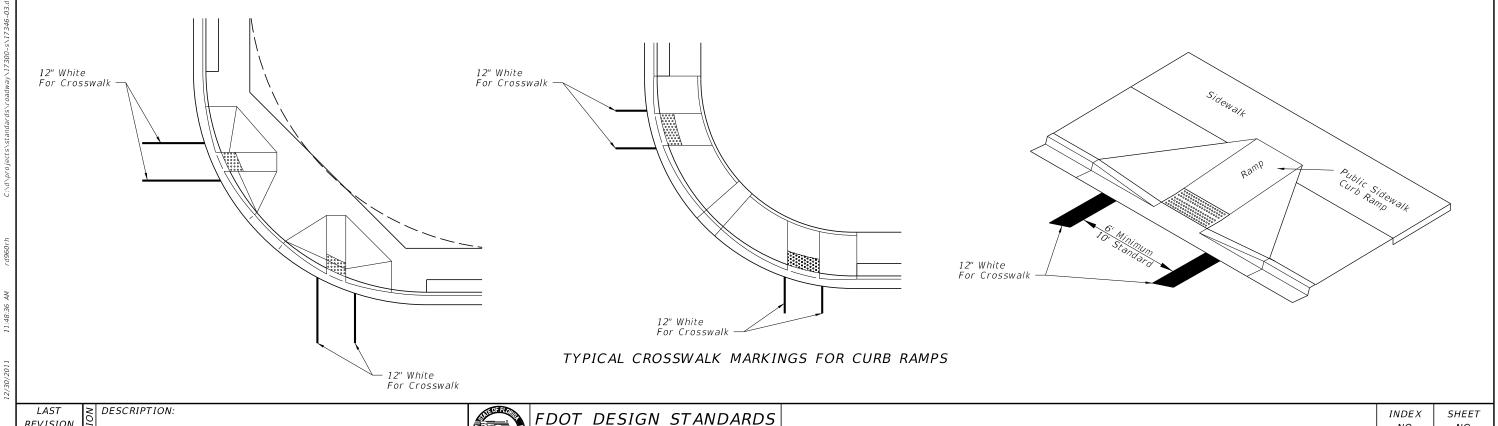




LAST DESCRIPTION:
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FY 2012/2013

NO.

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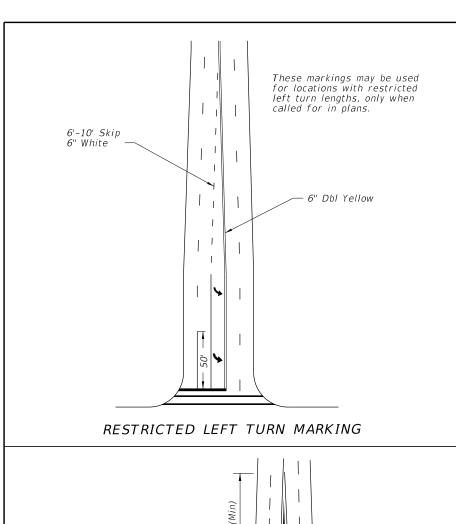
SPECIAL MARKING AREAS

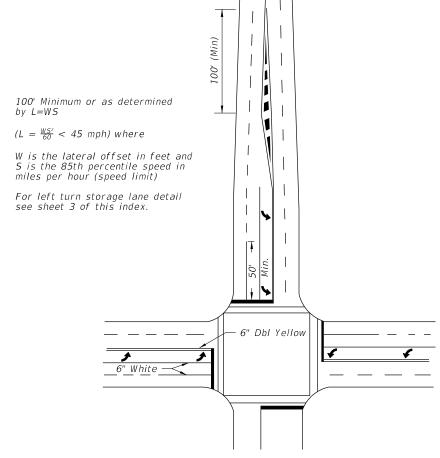
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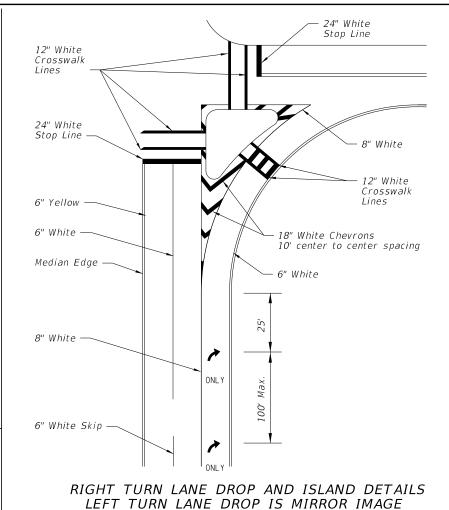
3

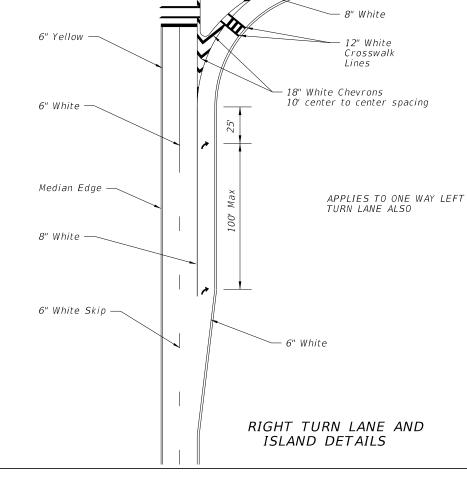
REVISION

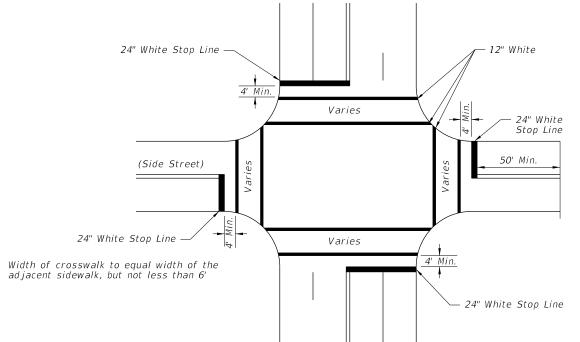
07/01/09











- 1. When public sidewalk curb ramps are present, refer Index No. 17344 and Index No. 304 for crosswalk
- 2. Double yellow longitudinal center lines on all roadway approaches shall be extended back 100' for projects involving intersection improvements only.
- When specified, "stop" message shall be placed 25' back of stop lines.

STOP BARS, CROSSWALKS AND DOUBLE CENTER LINE DETAILS

LAST ≥ DESCRIPTION: REVISION 07/01/09

TYPICAL INTERSECTION 2 THRU LANES PLUS LEFT TURN LANE, WITH CROSSWALK

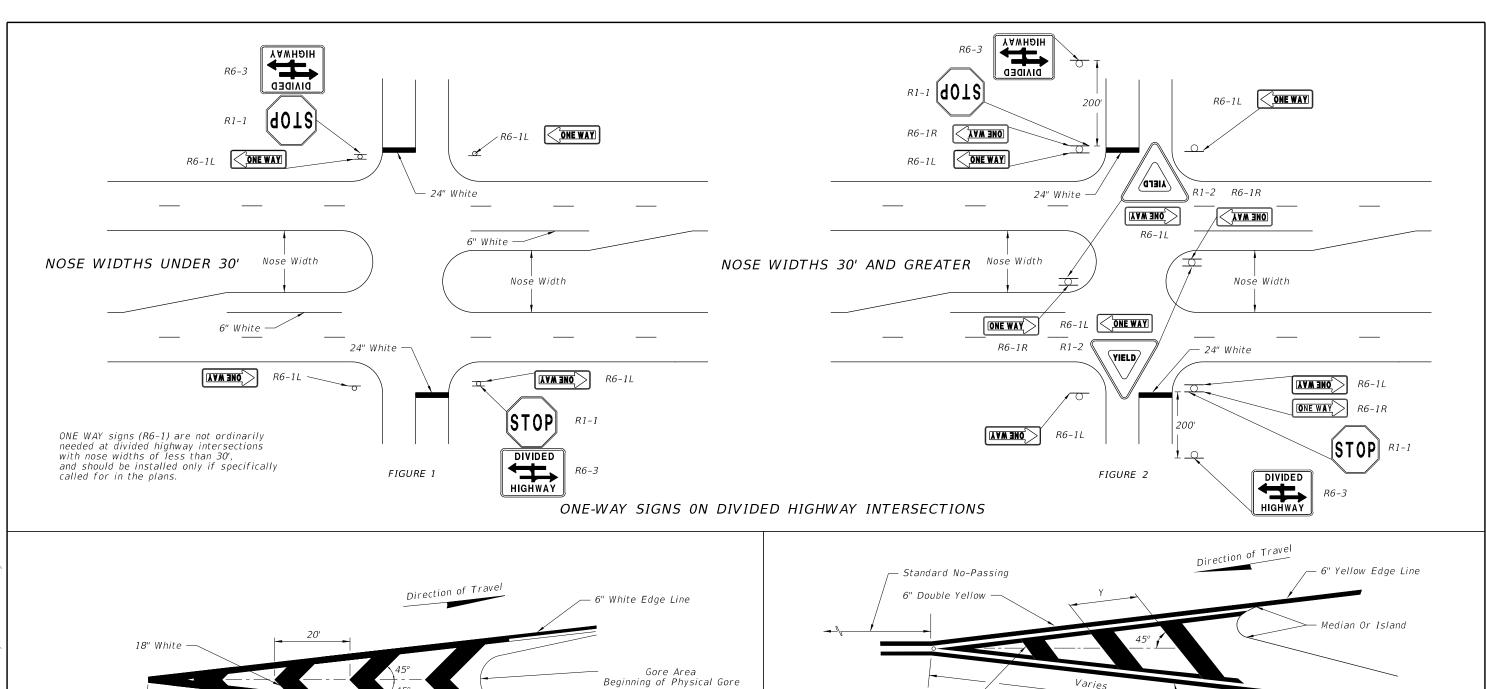


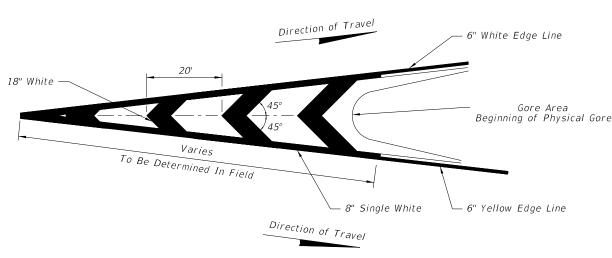
FDOT DESIGN STANDARDS FY 2012/2013

SPECIAL MARKING AREAS

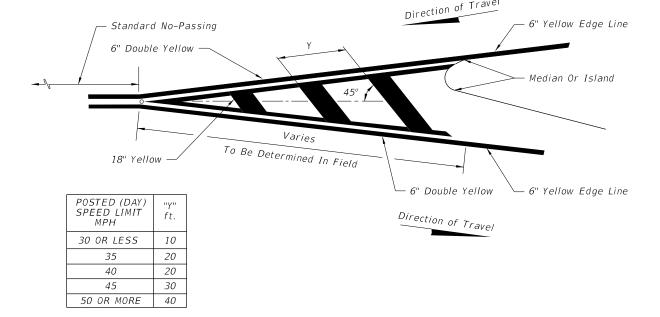
INDEX SHEET NO. NO.

17346





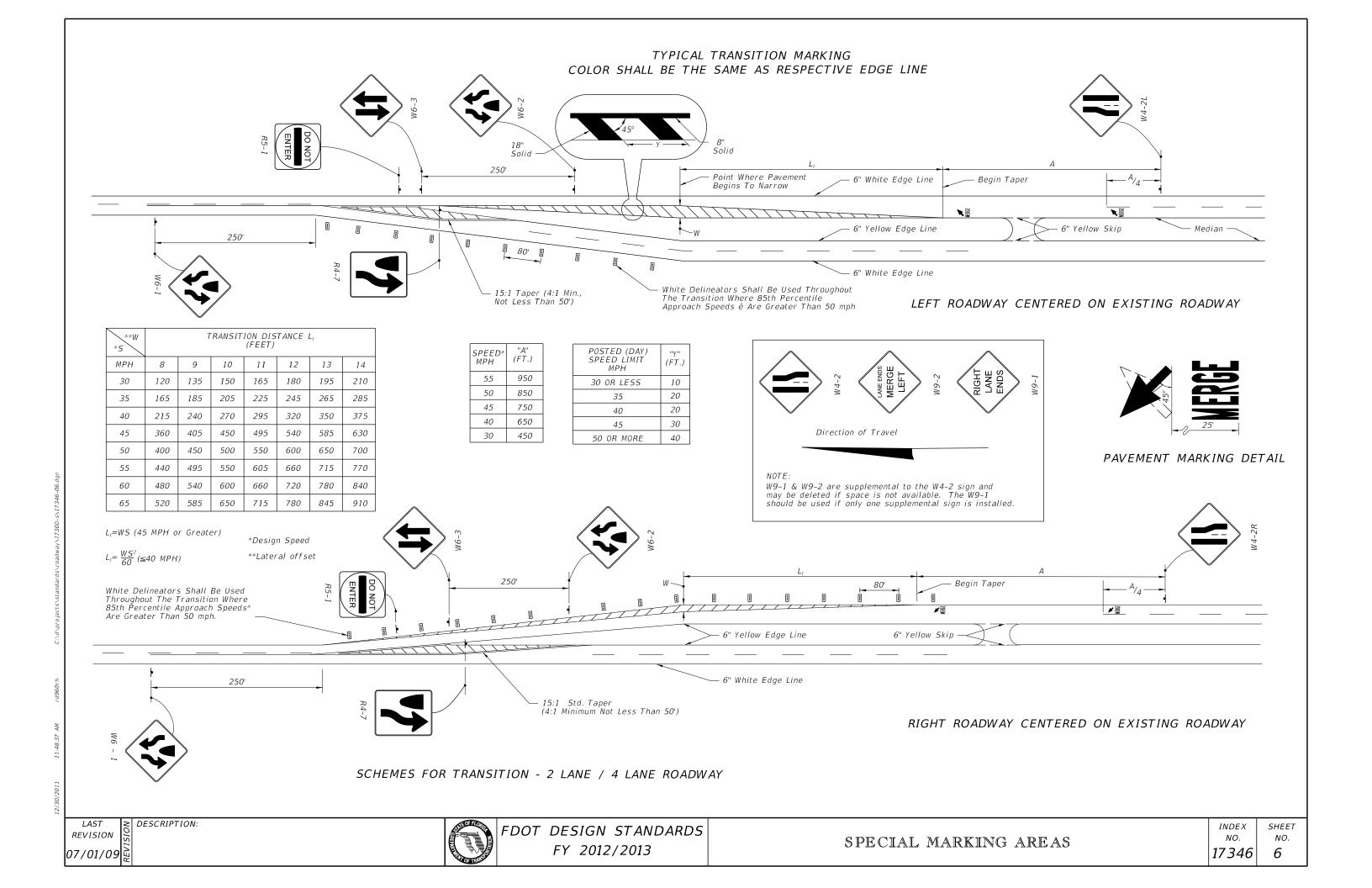
PAVEMENT MARKINGS FOR TRAFFIC CHANNELIZATION AT GORE (TRAFFIC FLOWS IN SAME DIRECTION)

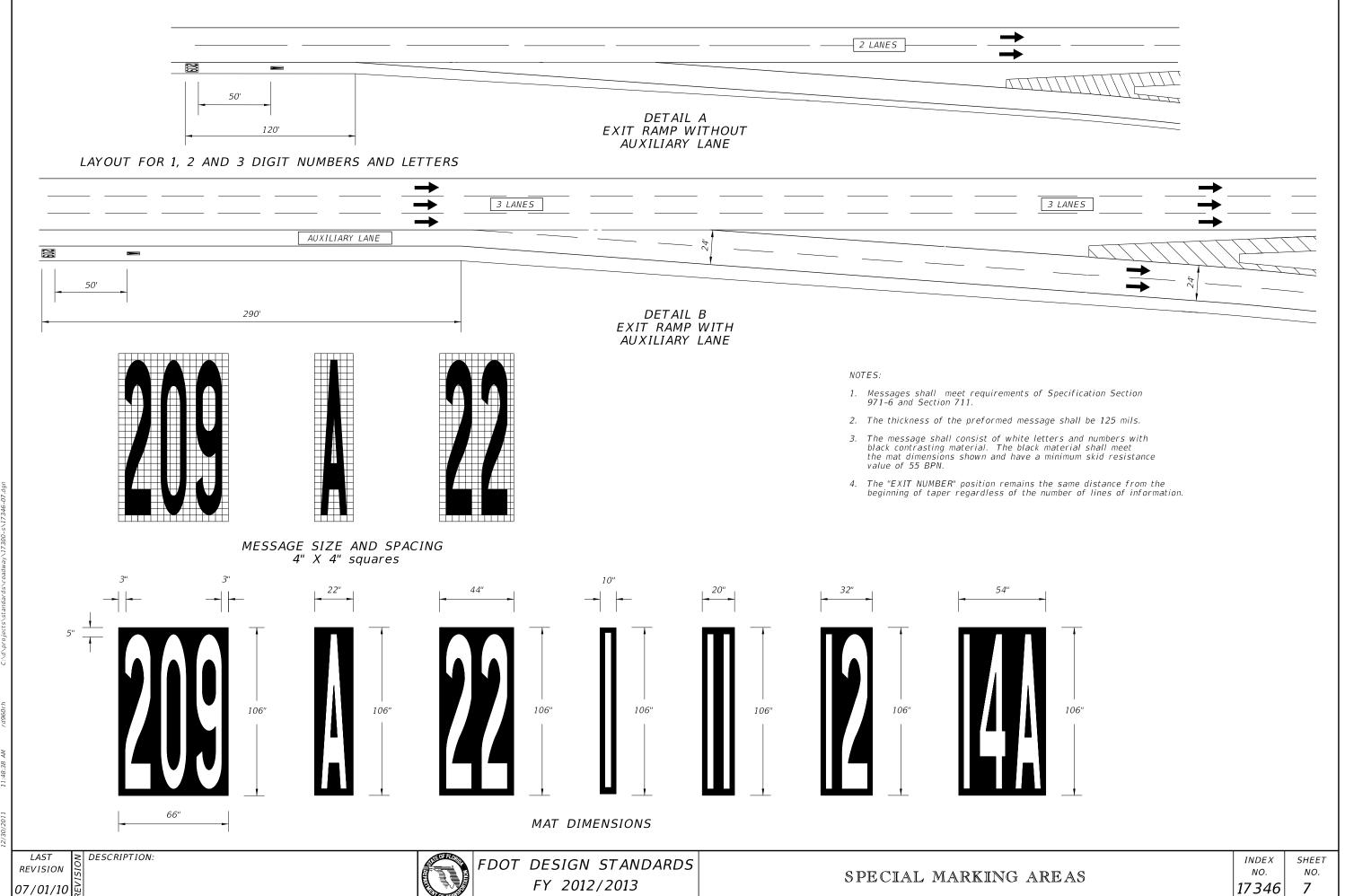


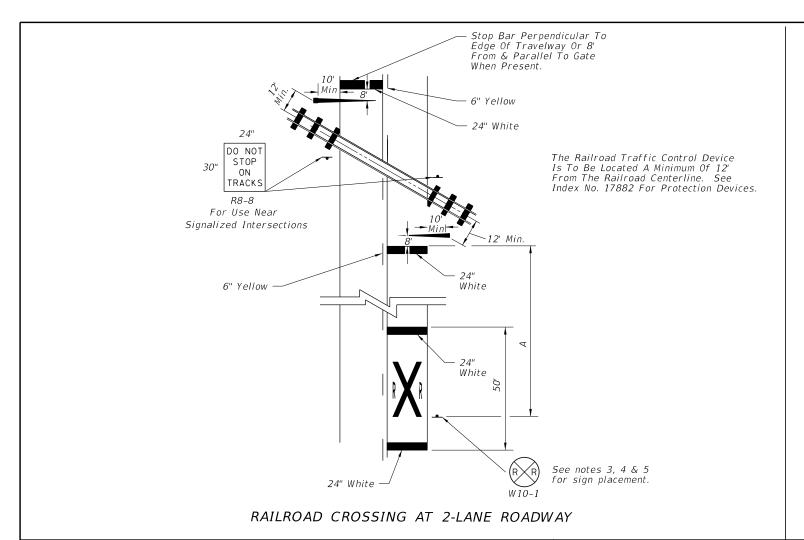
PAVEMENT MARKING FOR TRAFFIC SEPARATION (TRAFFIC FLOWS IN OPPOSING DIRECTIONS)

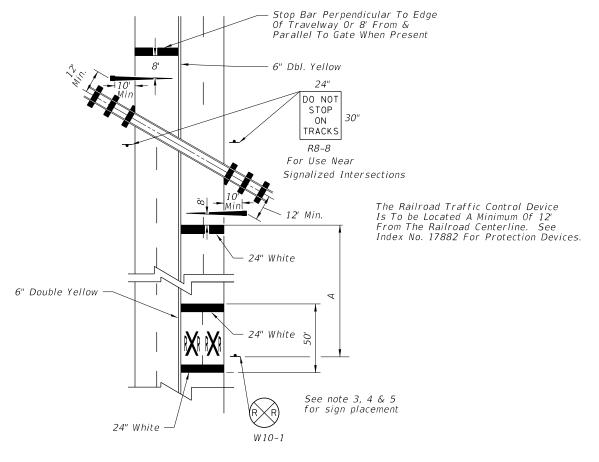
LAST ≥ DESCRIPTION: REVISION 07/01/09

FDOT DESIGN STANDARDS FY 2012/2013

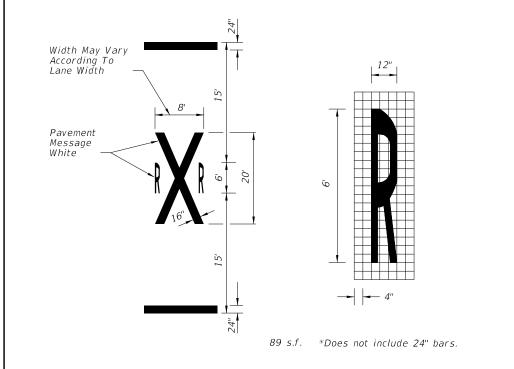




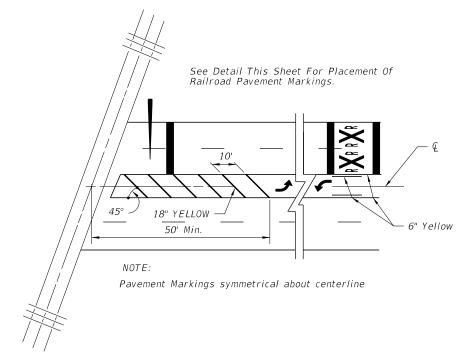




RAILROAD CROSSING AT 4-LANE ROADWAY



TYPICAL PAVEMENT MARKINGS FOR R/R CROSSING



PAVEMENT MARKINGS FOR TERMINATION OF TWO WAY LEFT TURN AT R/R CROSSINGS

- 1. When computing pavement messages, quantities do not include
- 2. When dynamic devices are not present or are to be installed, the crossbuck shall be located at the future location of the RR gate or signal and gate in accordance with Index No. 17882.
- 3. Placement of sign W10-1 in a residential or business district, where low speeds are prevalent. The W10-1 sign may be placed a minimum distance of 100' from the crossing. Where street intersections occur between the RR pavement message and the tracks an additional W10-1 sign & additional Pavement message should be used.
- 4. Recommended location for FTP-61-06 or FTP-62-06 sign, 100' urban & 300' rural in advance of the crossing.
- 5. A portion of the pavement marking symbol should be directly opposite the W10-1 sign.

SPEED MPH	" A " IN FT.
60	400
55	325
50	250
45	175
40	125
35	100
URBAN	85 MIN.

LAST ≥ DESCRIPTION: REVISION

01/01/12



FDOT DESIGN STANDARDS FY 2012/2013

SPECIAL MARKING AREAS

INDEX SHEET NO. NO. 17346 8

GENERAL NOTES

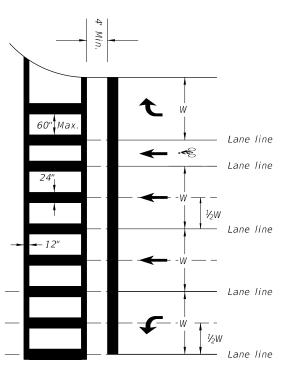
- For traffic and pedestrian signal installation, refer to Index No. 17721 through 17890.
- 2. For public sidewalk curb ramps, refer to Index No. 304.
- 3. For pavement marking and sign installation, refer to Indexes 11200 through 17356.
- 4. Crosswalk minimum widths: Intersection Crosswalk 6'. Midblock Crosswalk 10'.
- 5. All crosswalk marking shall be white.

4' Min.

- 24" White

6. Longitudinal lines in Special Emphasis Crosswalk shall be 24" wide and spaced to avoid the wheel path of vehicles as shown in detail. The maximum space between markings shall not exceed 60". A longitudinal marking shall be centered at each lane line. Additional longitudinal markings shall be placed at the center of each lane (1/2W).

Where the Crosswalk is skewed to the lane lines, the Special Emphasis longitudal lines should be parallel to the lane line.



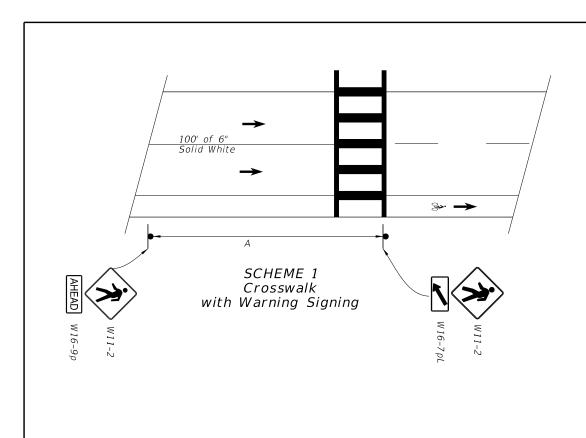
SPECIAL EMPHASIS CROSSWALK MARKING DETAIL

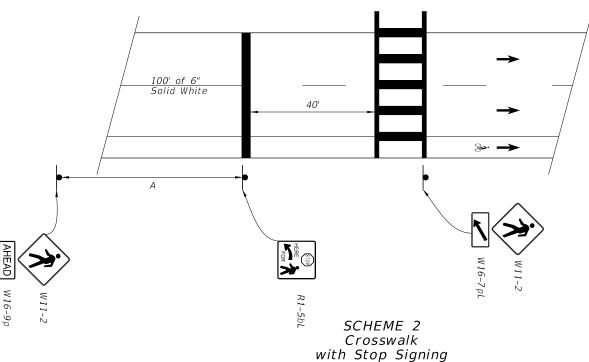
LAST ≥ DESCRIPTION:

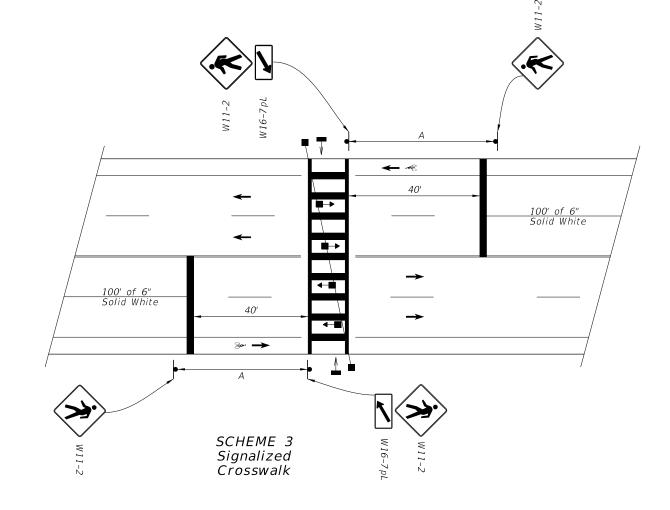


SIGNALIZED OR STOP SIGN CONTROLLED INTERSECTION

FDOT DESIGN STANDARDS FY 2012/2013







APPROACH SPEED MPH	A-SUGGESTED DISTANCE (Ft.)
25 Or Less	200
26 To 35	250
36 To 45	300

- 1. Plans shall indicate which crosswalk scheme is to be used.
- The details shown do not depict the signing and markings for multi-lane roadways with divided medians. For these applications, additional signs shall be installed on the median side. Minimum width of Mid-Block Crosswalks is 10'.
- All mid-block crosswalks shall use special emphasis crosswalk markings.
- 4. Crosswalk marking should utilize preformed marking materials.

LAST ≥ DESCRIPTION: REVISION 01/01/12



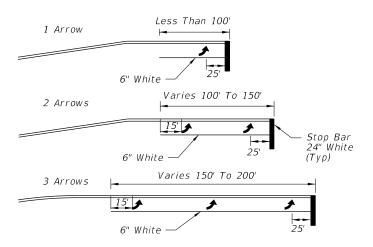
FDOT DESIGN STANDARDS FY 2012/2013

SPECIAL MARKING AREAS

INDEX NO. 17346

SHEET NO. 10

	TURN LANES . CURBED AND UNCURBED MEDIANS						
		URBAN CONDITIONS		RURAL CONDITIONS			
Design Speed (mph)	Clearance Distance	Brake To Stop Distance	Total Decel. Distance	Clearance Distance	Brake To Stop Distance	Total Decel. Distance	Clearance Distance
	L_{i}	L ₂	L	L ₃	L_2	L	L₃
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:

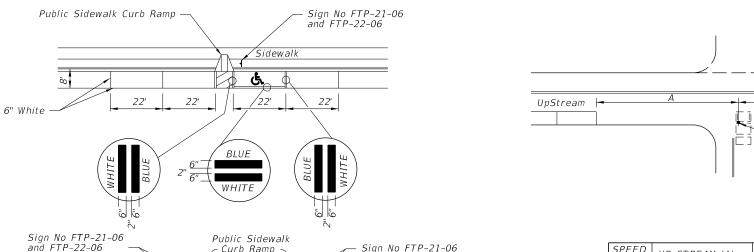
- 1. The "Begin Lane Line" locations are based on the standard lengths shown in Design Standard 301. These locations must be adjusted on a case by case basis for turn lanes not meeting the standard
- Yellow left turn edge marking may be used adjacent to raised curb or grass medians if lane use is not readily apparent to drivers approaching a left turn storage lane.
- 3. Refer to Design Standard Index 301 for Roadway Details.
- 4. This Index also applies to right turn lanes.



LAST

REVISION

07/01/09



Sign No FTP-21-06

and FTP-22-06

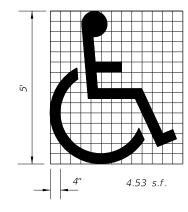
Sidewalk

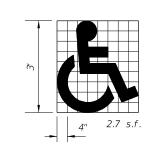
SPEED	UP STREAM (A)	DOWN STREAM (B)		
MPH OF STREAM (A)	2 LANE	4 LANE		
0-30	85'	60'	45'	
35	100'	70'	50'	

NOTES

- 1. Distances measured longitudinally along the street from driver location of entering vehicle to end of parking restriction.
- 2. Distances applicable to intersecting street, major driveways and other driveways to the extent practical.
- 3. For nonsignalized intersections, the values above shall be compared with the values for signalized intersections and the maximum restrictions implemented. These restrictions apply to both accessible and nonaccessible parking.

MINIMUM PARKING RESTRICTION FOR NONSIGNALIZED INTERSECTIONS





⊢ DownStream

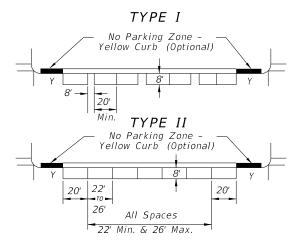
Drivers Eye Location

b Use of pavement symbol in accessible parking spaces is optional, when used the symbol shall be 3' or 5' high and white in color.

UNIVERSAL SYMBOL OF ACCESSIBILITY

GENERAL NOTES (Signalized & Nonsignalized)

- 1. For entrances to a one-way street, the downstream restriction may be reduced to 20'
- 2. Parking shall not be allowed within 20' of a crosswalk.
- 3. All parking lane markings shall be 6" white.
- 4. Parking lane lines shall be broken at driveways.
- 5. Refer to Chapter 316, Fla. Statutes, for laws governing parking spaces.
- 6. Where curb and gutter is used, the gutter pan width may be included as part of the minimum width of parking lane, but desirably the lane width should be in addition to that of the gutter pan.





SPEED LIMIT	SIGNALIZED INTERSECTIONS	
0-30	30'	DISTANCE CURB RAD
35	50'	

PARKING RESTRICTION (FT.) FOR SIGNALIZED INTERSECTION

NOTES:

SPECIAL MARKING AREAS

- 1. Parking restrictions measured from curb radius point.
- 2. Restrictions for accessible parking are the same as those applied to nonsignalized intersections.

MINIMUM PARKING RESTRICTION FOR SIGNALIZED INTERSECTION

PAVEMENT MARKING FOR PUBLIC SIDEWALK CURB RAMPS IN REST AREAS

5. The FTP-22-06 panal shall be mounted below the FTP-21-06 sign.



- Curb Ramp

.

TYPICAL

"E" "C" "B"

"D"

27'-0"

23'-2"

Criteria for pavement markings only, not public sidewalk curb ramp locations. For ramp locations refer to plans.

Blue pavement markings shall be tinted to match shade 15180 of Federal

*FOR ACCESSIBLE MARKINGS - SEE ABOVE

"B"

12'-9"

10'-5"

"DIMENSIONS"

7'-0"

5'-9"

An Access Aisle is required for each accessible space when angle

Public Sidewalk Curb Ramp

"F"

17'-0"

13'-10"

Sidewalk

Ġ.

& & &

Sidewalk

3-6" White Chevrons

Equally Spaced Per Aisle.

Sign No FTP-21-06 and FTP-22-06

(Typ)

"A"

19'-1"

20'-1"

1. Dimensions are to the centerline of markings.

Δ θ

 45°

parking is used.

∠ DESCRIPTION:

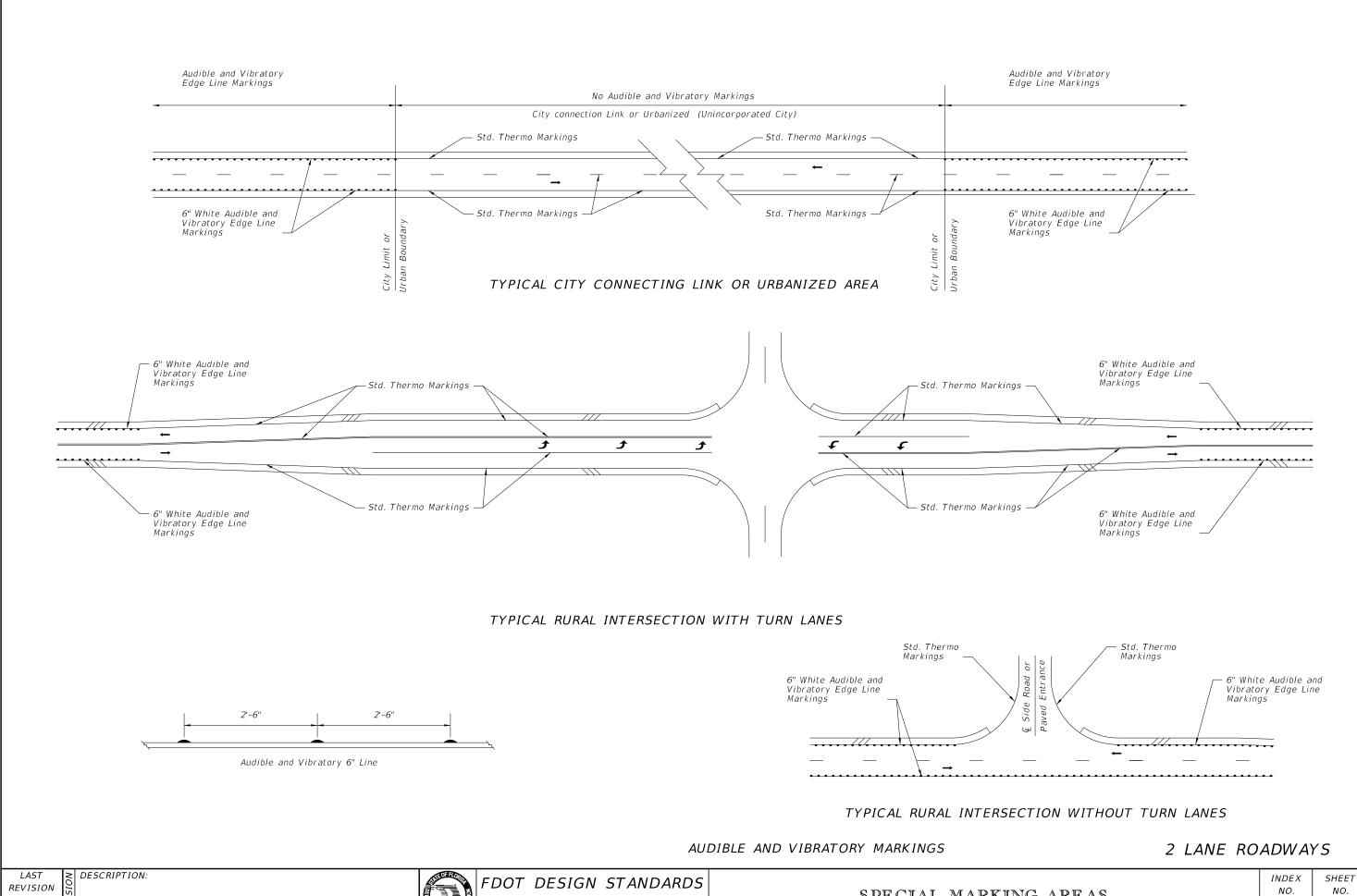


SHEET

NO.

12

IUS (Y)



07/01/09

FY 2012/2013

SPECIAL MARKING AREAS

17346

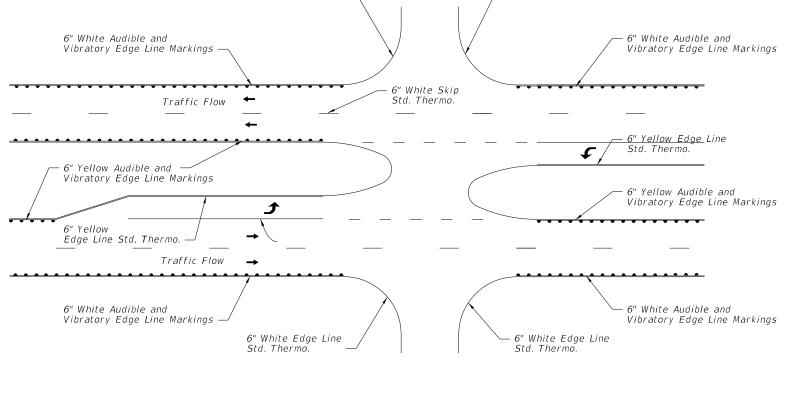
13

LAST

REVISION

07/01/10

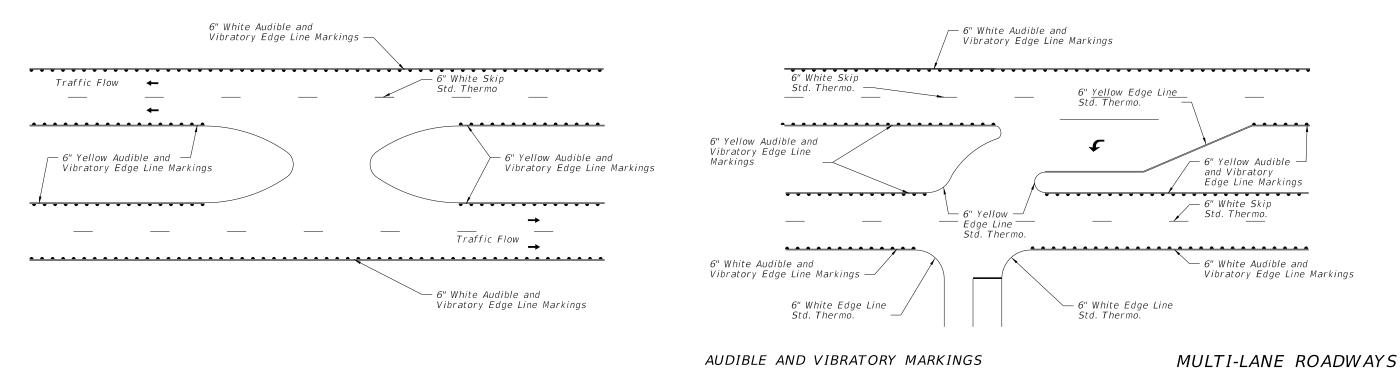
≥ DESCRIPTION:



6" White Edge Line

Std. Thermo.

- The Contractor Shall Adjust The Maintenance Of Traffic During Installation To Provide Sufficient Time For The Markings To Bear Traffic.
- 2. The Height Of The Transverse Bar For Markings Shall Be A Minimum Of 0.45 Inches Above The Pavement Surface At The Edge Of The Marking.
- Transverse Bars Shall Be Evenly Space In The Marking At Intervals Of 30 Inches Center
- The Transverse Bar May Have A Drainage Channel On Each Bar. The Width Of The Drainage Channel May Not Exceed 0.25 Inches At The Bottom Of The Channel.
- 5. Audible And Vibratory Markings Shall Only Be Installed On Centerline Markings Of Two Lane Roads When Shown In The Plans.
- 6. When Raised Pavement Markers Conflict With The Installation Of The Centerline Markings, The Contractor Shall Be Responsible For Removing And Replaceing The Raised Pavement Markings. The Additional Expenses Associated With The Raised Pavement Markings Shall Be Included In The Cost Of The Marking.
- Grinding Is An Acceptable Method Of Removal Of The Existing Markings Where Markings Are Installed As Replacement Markings.
- The Specifications Allow The Audible Markings To Utilize A Flat Base Line Or An Inverted Rib Profile Base Line.



6" White Edge Line

Std. Thermo.