

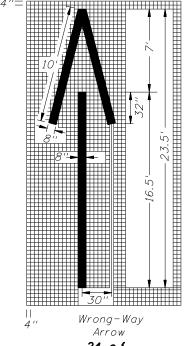
23 s.f. 24 s.f.

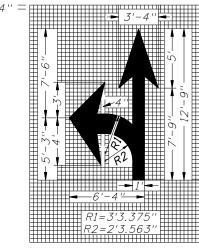
20 s.f. 26 s.f.

13 s.f. 20 s.f.

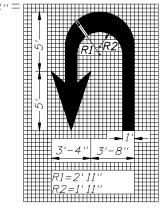
20 s.f. 23 s.f.

22 s.f. 20 s.f. 4'





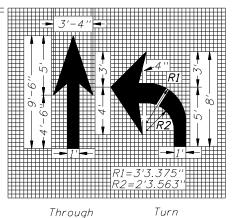




U Turn Lane-Use Arrow

27 s.f.

DIMENSIONS ARE WITHIN 1" ±

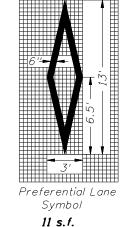


Lane-Use Arrow

12 s.f. 17 s.f. Right Turn Arrow To Be Reversed.

Lane-Use

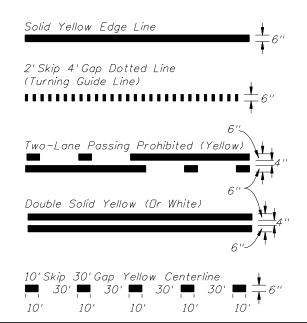
Arrow

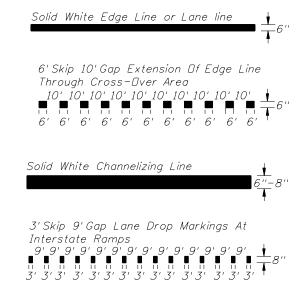


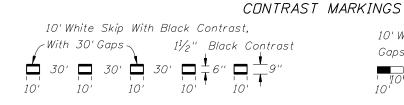
24 s.f. BASIC COLOR RULE:

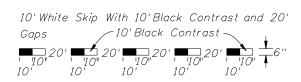
PAVEMENT ARROW AND MESSAGE DETAILS TYPES OF PERMANENT LONGITUDINAL LINES NOTE: When arrow and pavement message are used together, the arrow shall be located down stream of the pavement message and shall be separated from the pavement message by a distance of 25' (Base of the arrow to the base of the message). Stop message shall be placed 25' from back of stop line.

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.











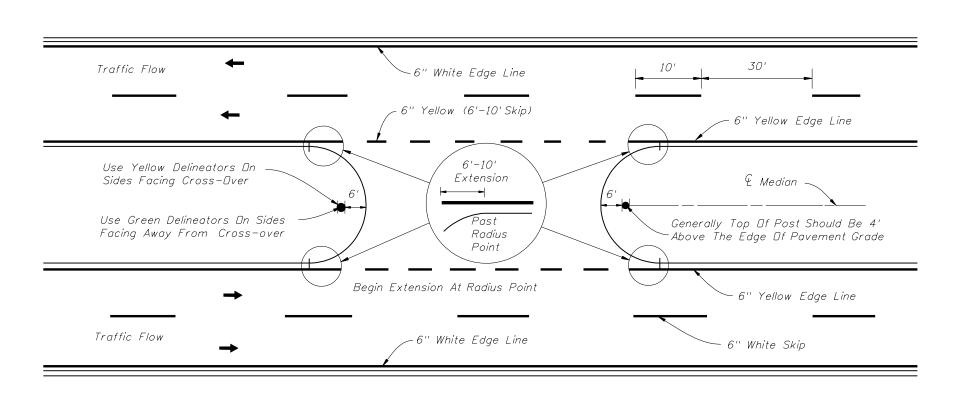
Yield Lines 5-18" X 27" White triangles facing traffic equally spaced within travellane with 1 additional triangle using same spacing when a bike lane is present.

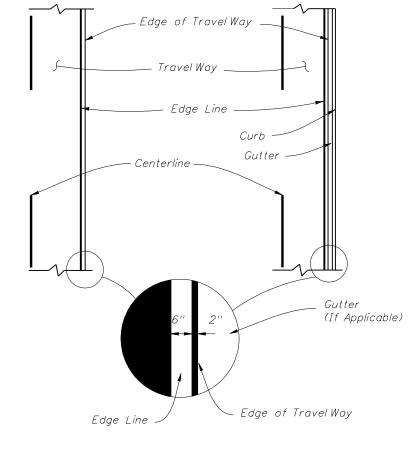
REVISIONS Sheet completely revised new details added sheet renumbered to l of 14.



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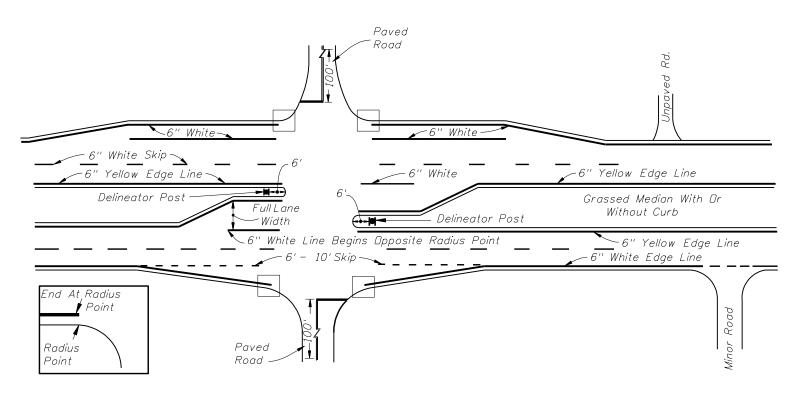
Sheet No. 01/01/09 1 of 14 17346





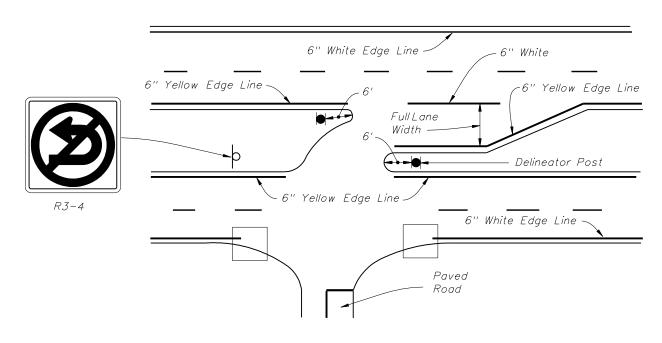
PAVEMENT MARKINGS AND DELINEATORS FOR MEDIAN CROSS-OVER

PLACEMENT OF EDGE LINES



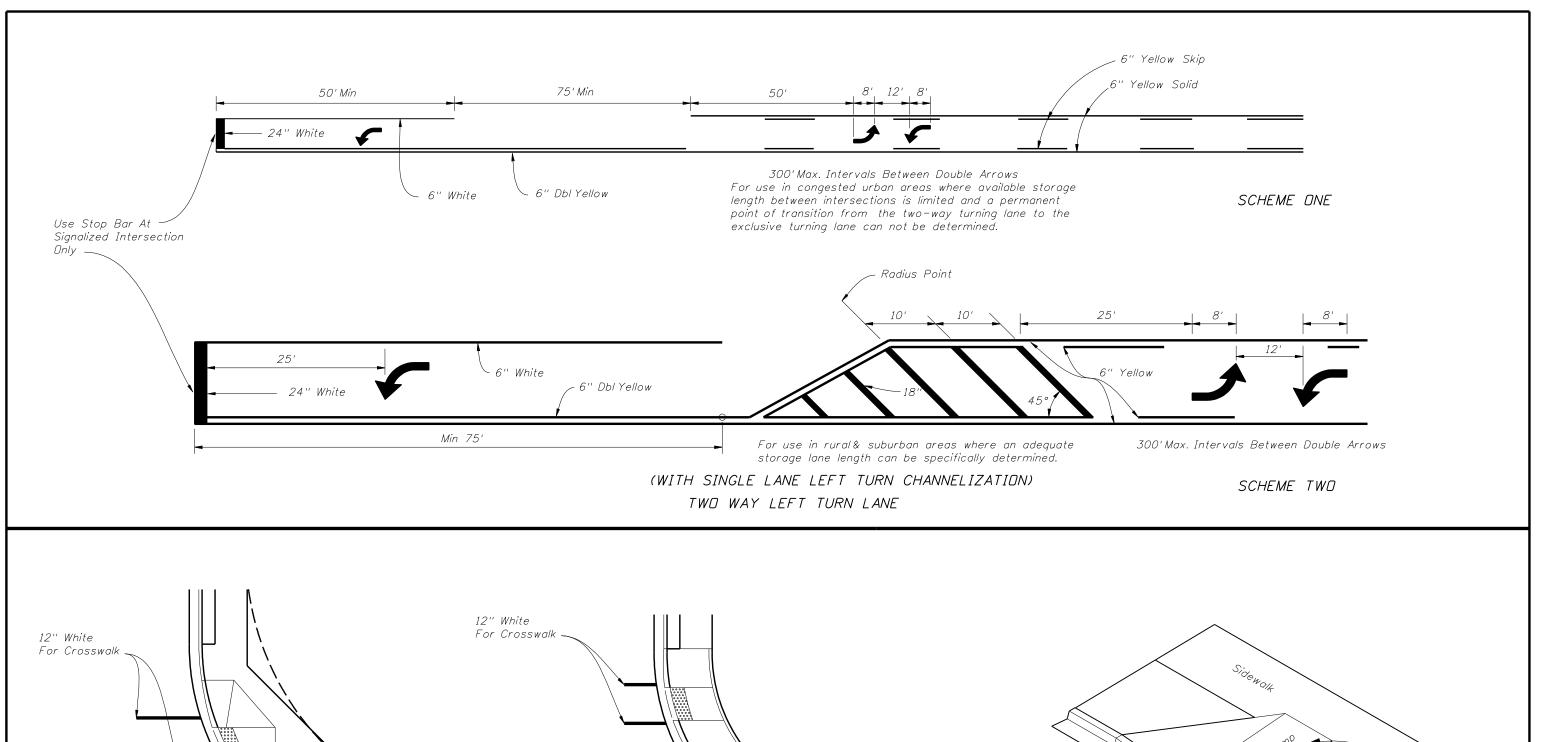
NOTE:

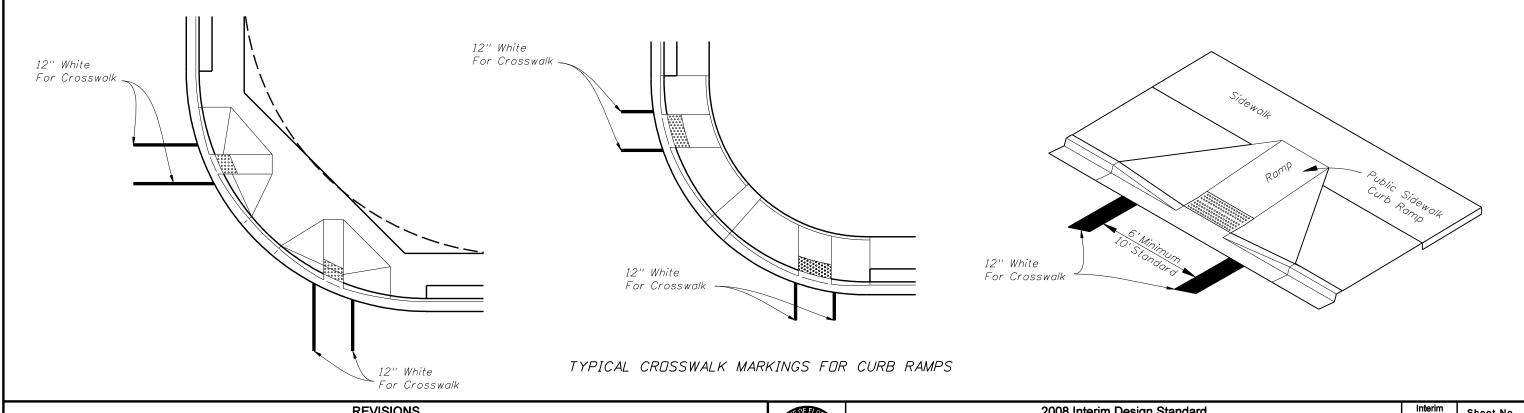
Markings applied to median noses shall be yellow in color.



PAVEMENT MARKINGS FOR INTERSECTIONS WITH MAJOR AND MINOR ROADS

		REVISIONS			STATE OF FLORIDA	2008 Interim Design Standard	Interim Date	Sheet No.
DATE	BY DESCRIPTION 8 C.H. Sheet completely revised sheet number changed to 2 of 14.	DATE	BY	DESCRIPTION				2 of 14
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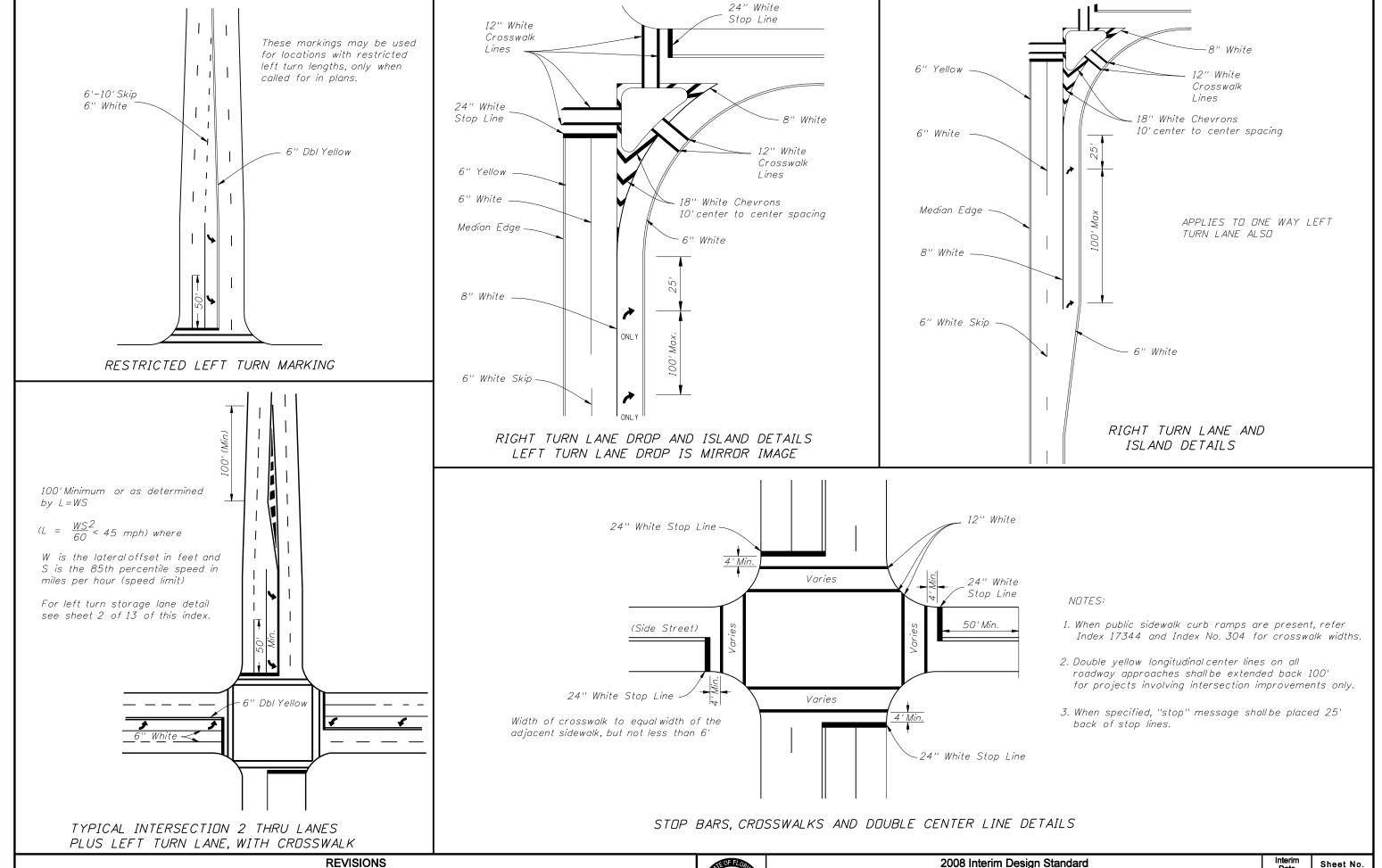
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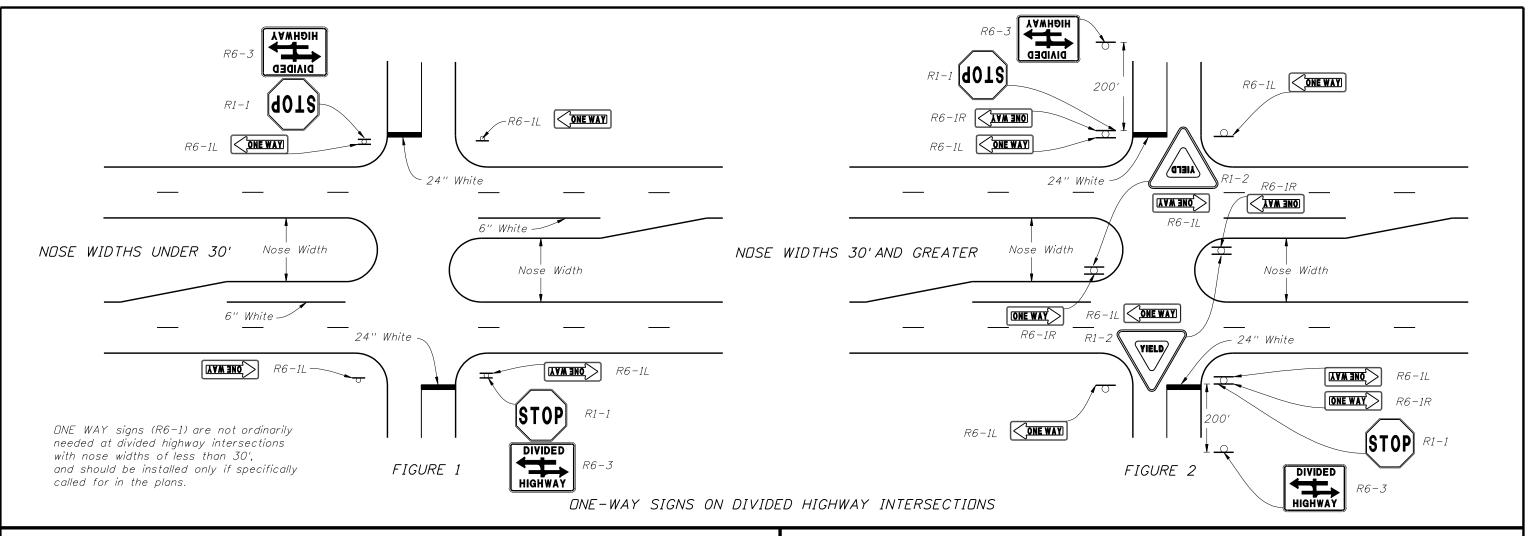
Sheet No. O1/01/09 3 of 14

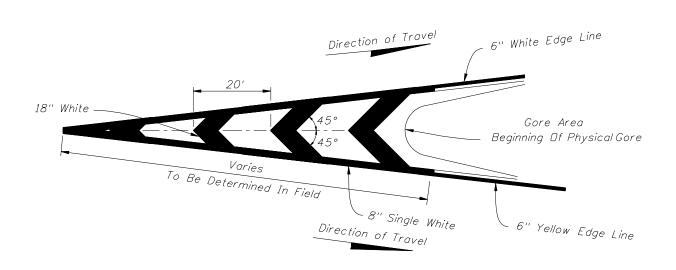
SPECIAL MARKING AREAS

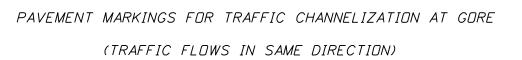
Index No. 17346

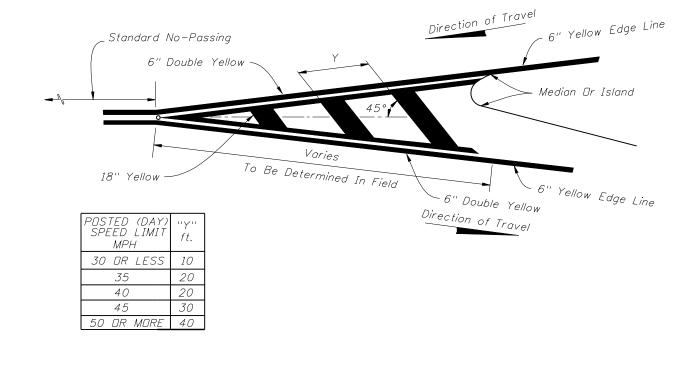


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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				4 of 14
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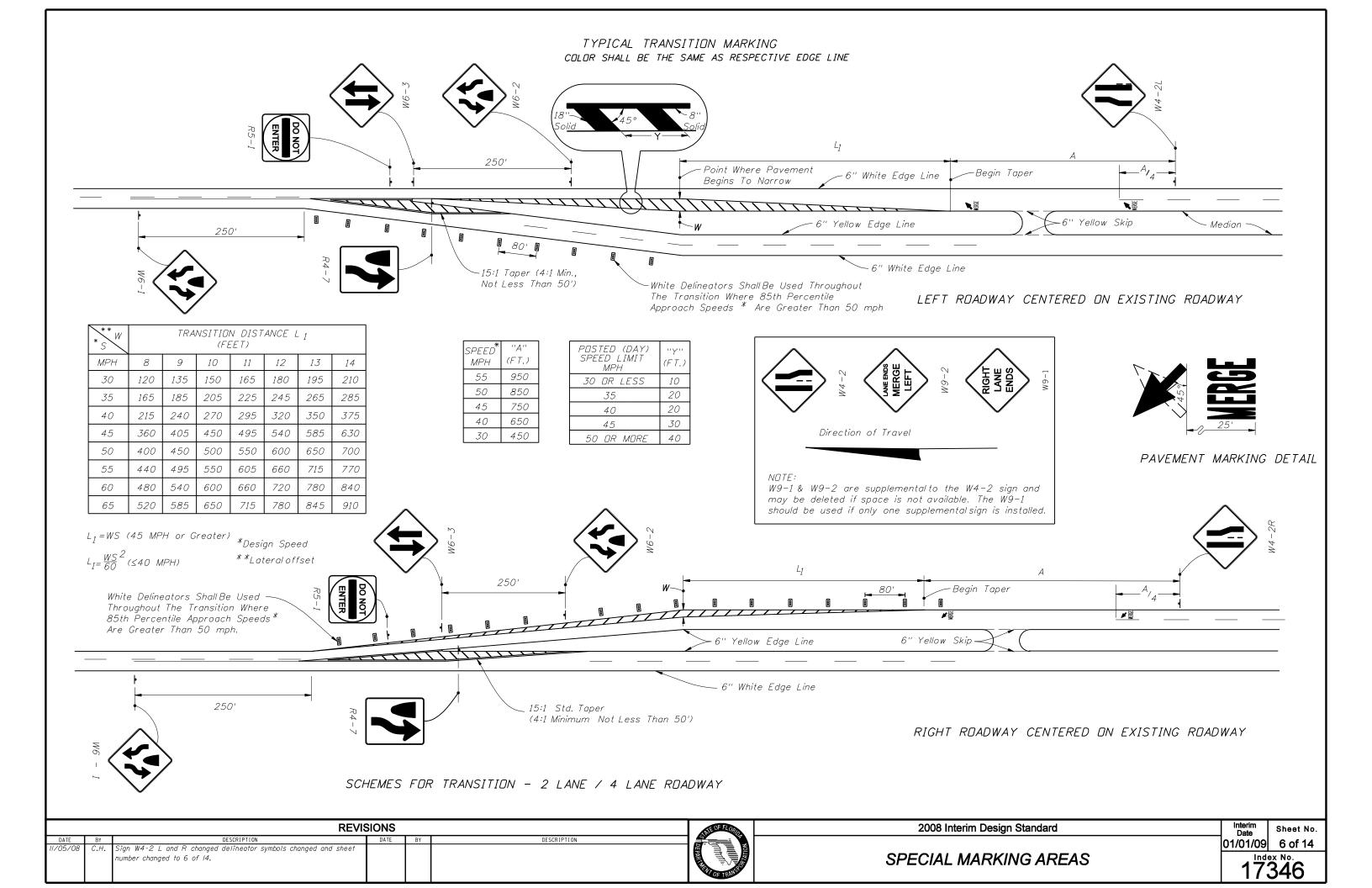


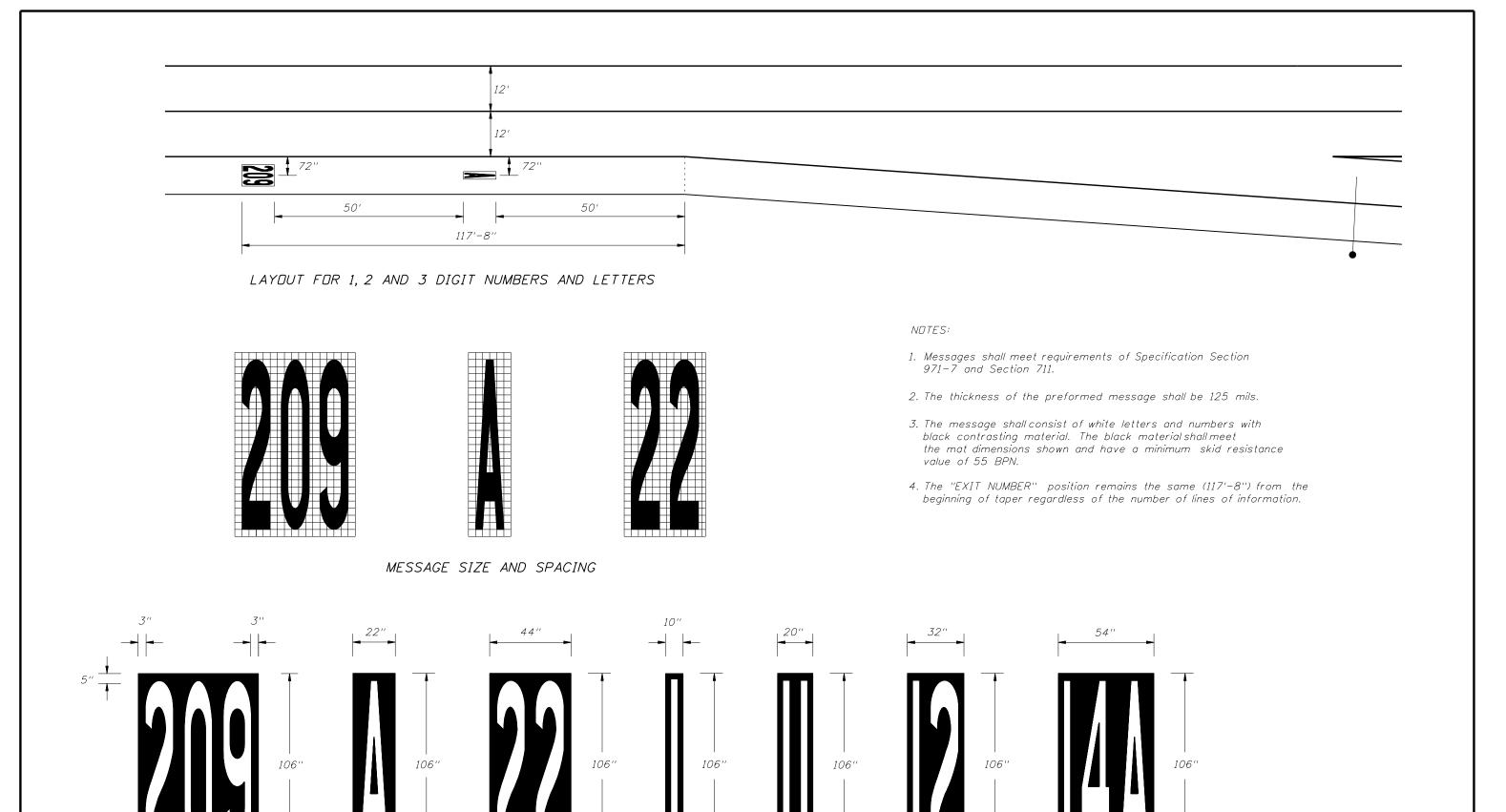


PAVEMENT MARKING FOR TRAFFIC SEPARATION

(TRAFFIC FLOWS IN OPPOSING DIRECTIONS)

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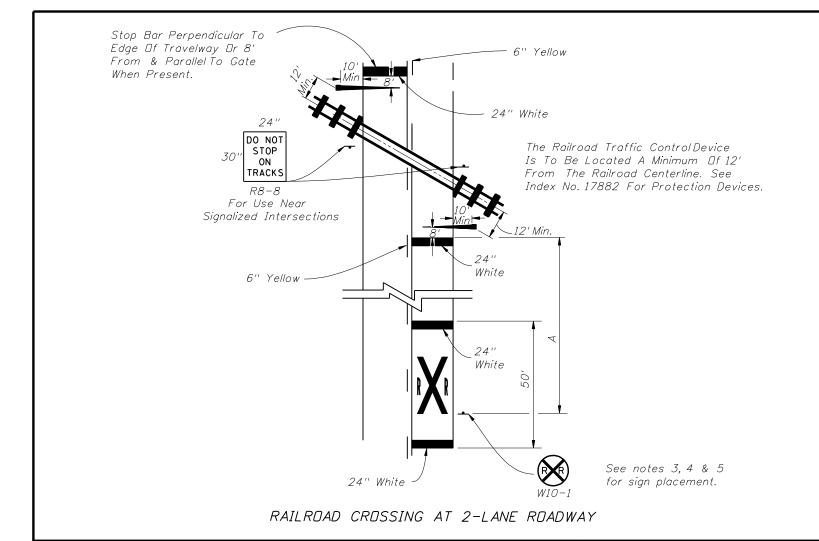
DATE BY DESCRIPTION 11/05/08 C.H. Sheet number changed to 7 of 14.

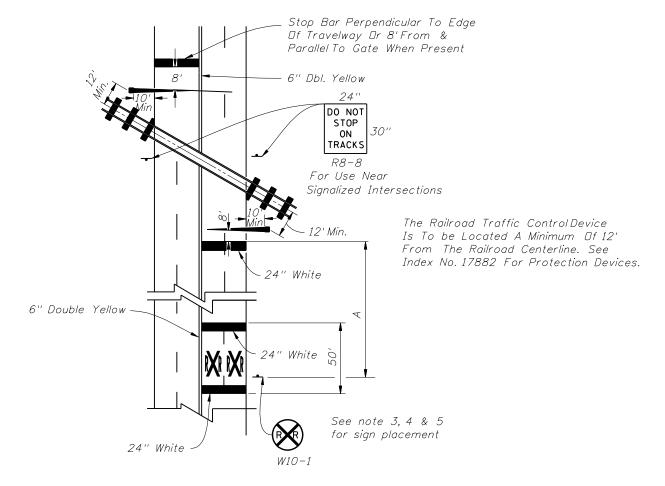
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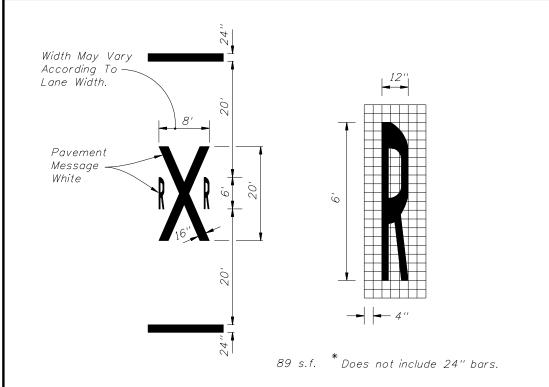
Sheet No. 01/01/09 7 of 14

SPECIAL MARKING AREAS





RAILROAD CROSSING AT 4-LANE ROADWAY



TYPICAL PAVEMENT MARKINGS FOR R/R CROSSING

Sheet number changed to 8 of 14.

NOTE:

Pavement Markings symmetrical about centerline

PAVEMENT MARKINGS FOR TERMINATION

OF TWO WAY LEFT TURN AT R/R CROSSINGS

18" YELLOW -

NOTES:

Yellow

- 1. When computing pavement messages, quantities do not include transverse lines.
- 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 minumum 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 crossings.
- 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
<i>35</i>	100
URBAN	85 MIN.

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DATE BY DESCRIPTION

SPECIAL MARKING AREAS

Interim Date
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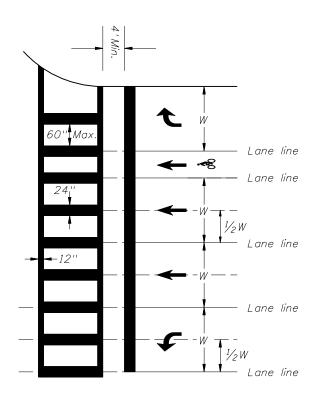
See Detail This Sheet For Placement Of

Railroad Pavement Markings.

GENERAL NOTES

- 1. 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 markings shall be 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).



SPECIAL EMPHASIS CROSSWALK MARKING DETAIL

SPECIAL EMPHASIS AND STANDARD CROSSWALKS SIGNALIZED OR STOP SIGN CONTROLLED INTERSECTION

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12" White

SPECIAL EMPHASIS MARKINGS

4' Min.

12" White

4' Min.



12" White

4' Min.

STANDARD

MARKINGS

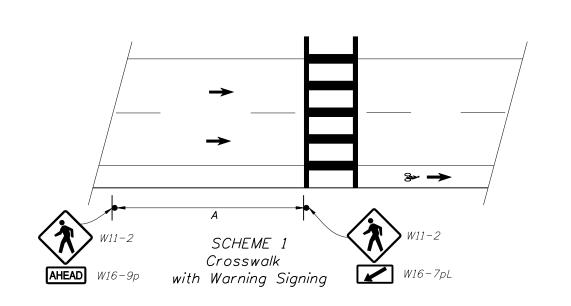
.12" White

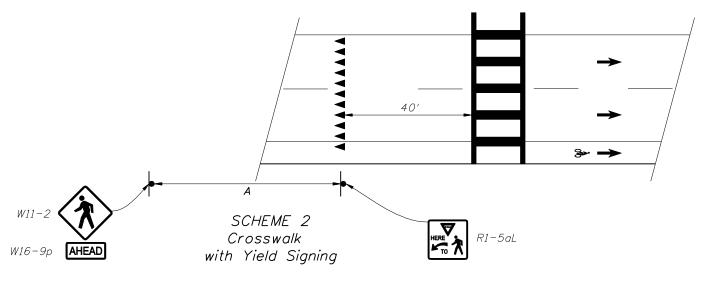
4' Min.

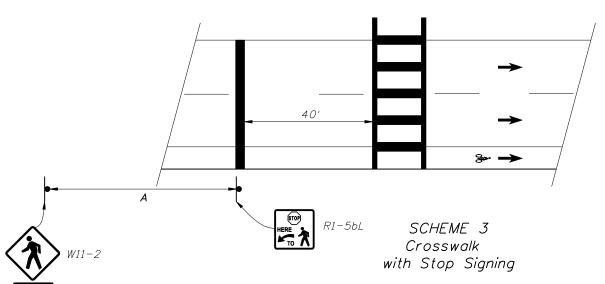
2008 Interim Design Standard

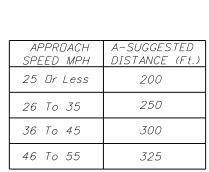
SPECIAL MARKING AREAS

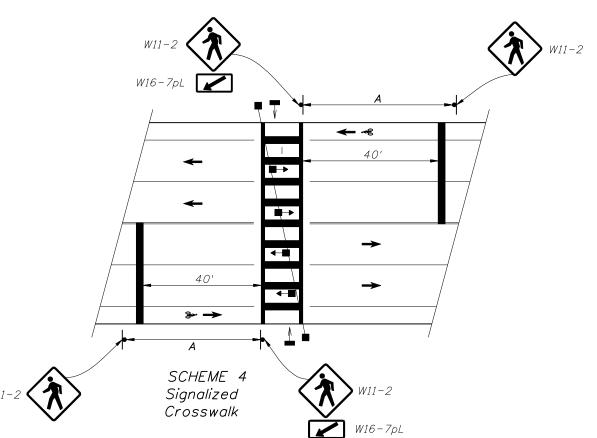
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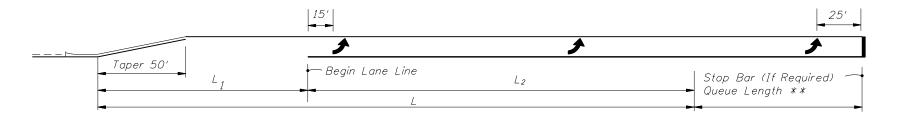






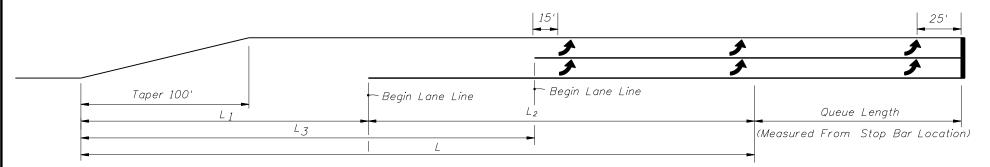
- 1. Plans shall indicate which crosswalk scheme is to be used.
- 2. The details shown do not depict the signing and markings for multi-lane roadways with divided medians. For these applications, additional signs shall be installed on the median side.
- 3. All mid-block crosswalks shall use high emphasis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

		REVIS	IONS		NIE OF FLORID	2008 Interim Design Standard	Interim Date	Sheet No.
DATE ///05/08	BY C.H.	DESCRIPTION New sheet added to SPECIAL MARKINGS AREAS.	DATE BY DESCRIPTION		SPECIAL MARKING AREAS	01/01/09 17	10 of 14 lex No. 346	

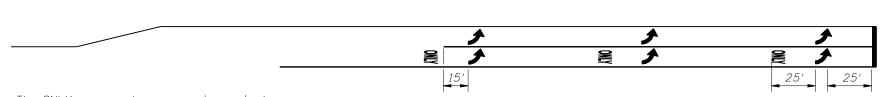


SINGLE LEFT TURNS

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

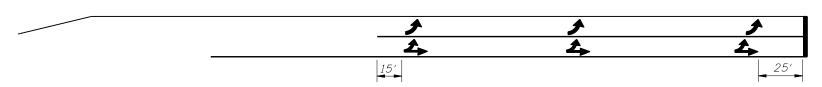


DOUBLE LEFT TURNS



The ONLY pavement message is required for turn lanes, where the thru lane becomes turn lane.

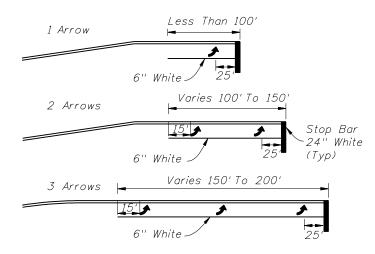
Through Lane Becomes Exclusive Left Turn



Through Lane Becomes OptionalLeft Turn

DOUBLE LEFT TURN MARKINGS

	TURN	LANES	• CURB	ED AND	UNCURB	ED MED	IANS			
		URB?	AN CONDI	TIONS	RUR/	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 ₁	L2	L	L3	L2	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'			



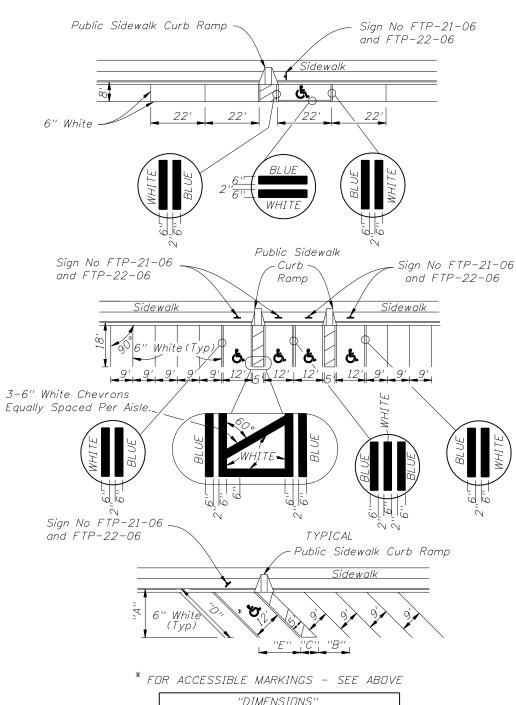
Arrow should be evenly spaced between first and last arrow. Turn lanes longer than 200' add one arrow for each 100' additional length.

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 lengths.
- 2. 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.

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		"DIMENSIONS"												
Δ°	''A''	''B''	''C''	''D''	"E"									
45°	19'-1''	12'-9"	7'-0''	27'-0''	17'-0''									
60°	20'-1"	10'-5''	5'-9''	23'-2"	13'-10''									

NOTES: 1. Dimensions are to the centerline of markings.

Dimensions and details added to clarify ramp striping.

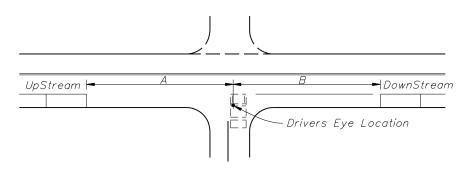
Sheet number changred to 12 of 14.

11/05/08

C.H.

- 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. Blue pavement markings shall be tinted to match shade 15180 of Federal Standards 595a.
- 5. The FTP-22-06 panel shall be mounted below the FTP-21-06 sign.

PAVEMENT MARKING FOR PUBLIC SIDEWALK CURB RAMPS IN REST AREAS

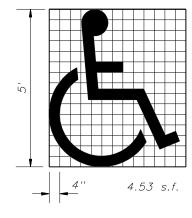


SPEED	UP STREAM (4)	DOWN ST	REAM (B)
MPH		17	<i>2 LANE</i>	4 LANE
0-30	85'		60'	45'
35	100'		70'	50'

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





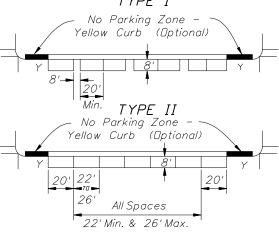
Use of pavement symbol in accessible parking spaces is optional, when used the symbol shall be 3' or 5' high and white in color.

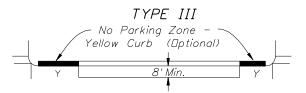
> UNIVERSAL SYMBOL OF ACCESSIBILITY

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.

TYPE I





SPEED LIMIT MPH	SIGNALIZED INTERSECTIONS	
0-30	30'	
35	50'	

DISTANCE FROM CURB RADIUS (Y)

PARKING RESTRICTION (FT.) FOR SIGNALIZED INTERSECTION

NOTES:

- 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

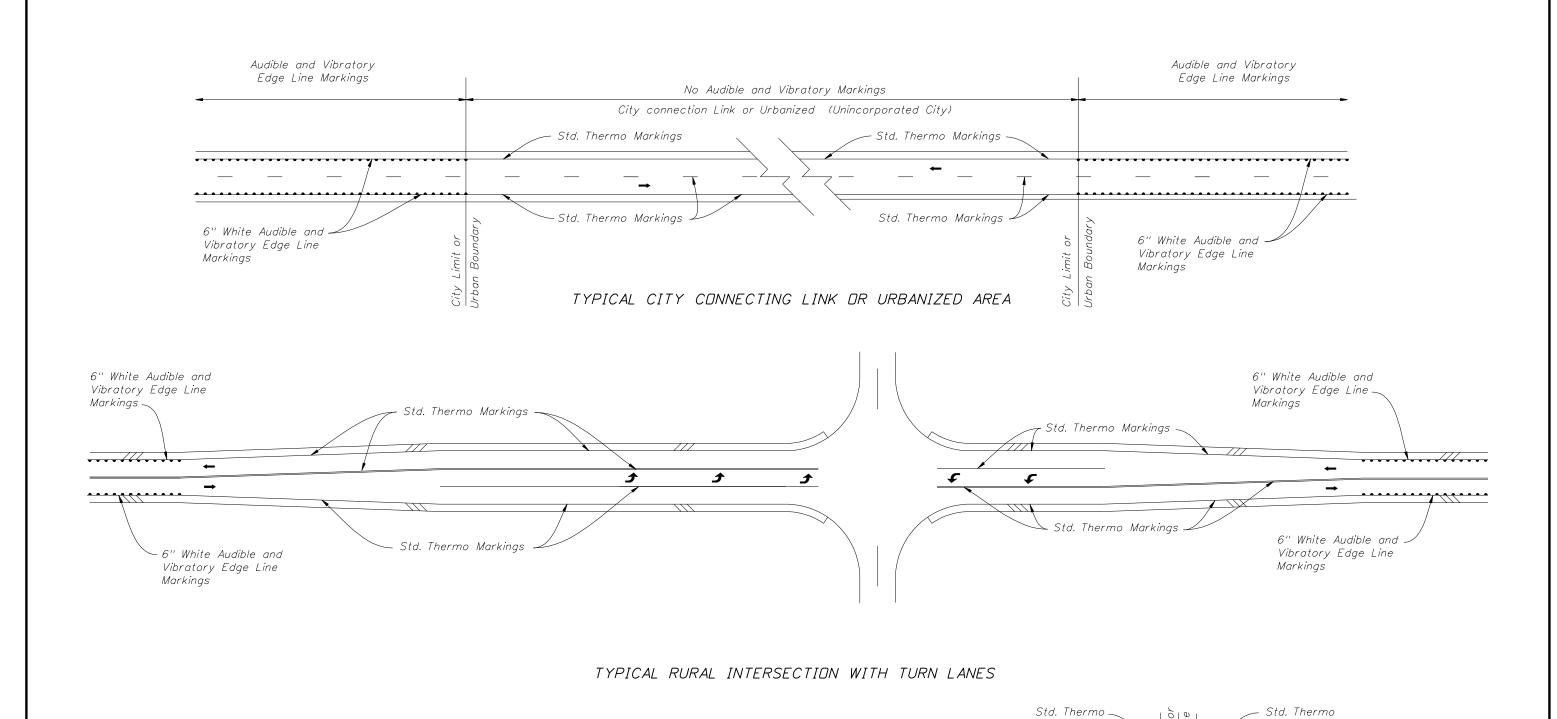
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TYPICAL RURAL INTERSECTION WITHOUT TURN LANES

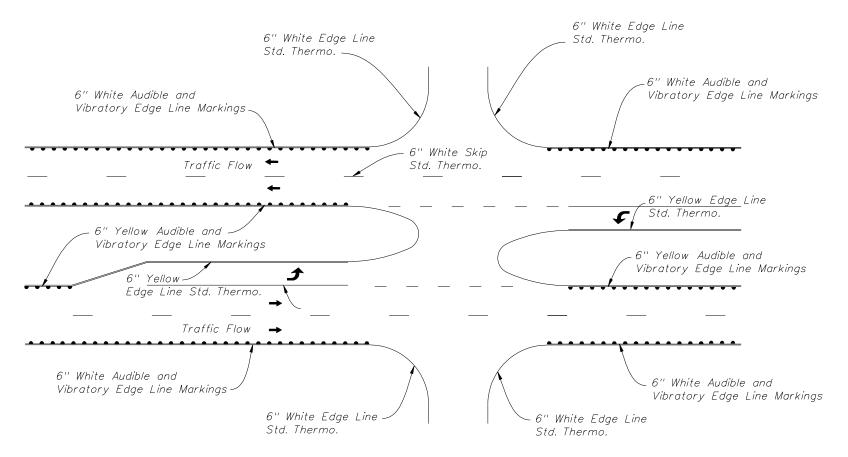
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AUDIULL	$\neg \cup \cup \cup$	VIDNATUNT	MANNINGS

2 LANE ROADWAYS

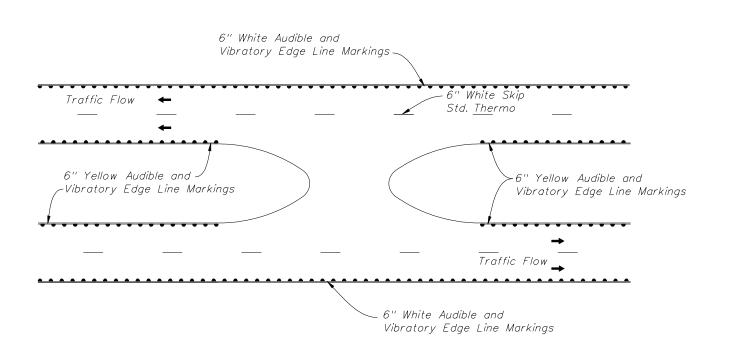
6" White Audible and Vibratory Edge Line

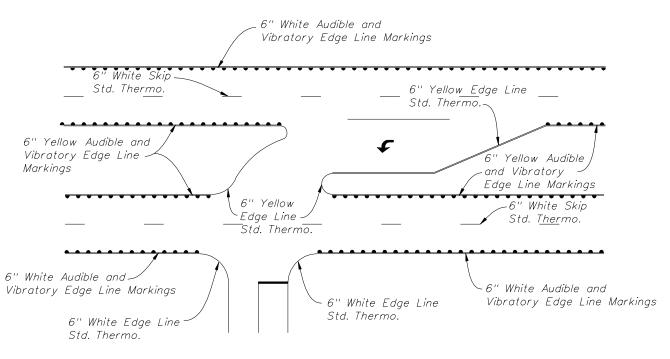
Markings

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DATE 11/05/08	BY	DESCRIPTION Sheet number changed to 13 of 14.	DATE	BY	DESCRIPTION				13 of 14
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- 1. 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 0.45 To 0.55 Inches Above The Pavement Surface At The Edge Of The Marking.
- 3. Transverse Bars Shall Be Evenly Space In The Marking At Intervals Of 30 Inches Center To Center.
- 4. 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.
- 7. Grinding Is An Acceptable Method Of Removal Of The Existing Markings Where Markings Are Installed As Replacement Markings.
- 8. The Specifications Allow The Audible Markings To Utilize A Flat Base Line Or An Inverted Rib Profile Base Line.





AUDIBLE AND VIBRATORY MARKINGS

MULTI-LANE ROADWAYS

REVISIONS

DATE BY DESCRIPTION DATE BY DESCRIPTION

07/01/08 C.H. New sheet added detailing Audible and Vibratory markings.

II/05/08 C.H. Sheet number changed to I4 of I4.



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