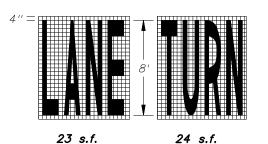
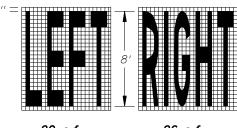


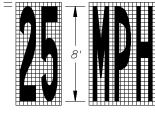
Wrong-Way

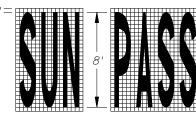
Arrow

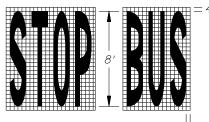
24 s.f.





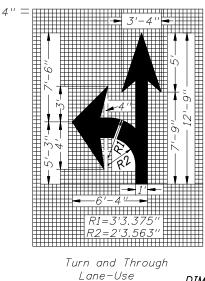




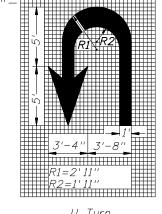


20 s.f. 26 s.f. 13 s.f. 20 s.f.

20 s.f. 23 s.f. 22 s.f. 20 s.f.



Arrow 29 s.f.



U Turn Lane-Use Arrow

27 s.f.

DIMENSIONS ARE WITHIN 1" ±

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

from back of stop line.

Through

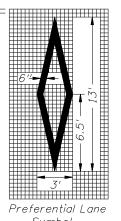
Lane-Use

Arrow

Turn

Lane-Use

Arrow



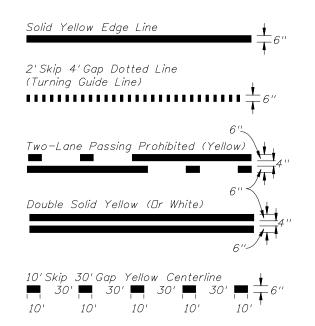
Symbol

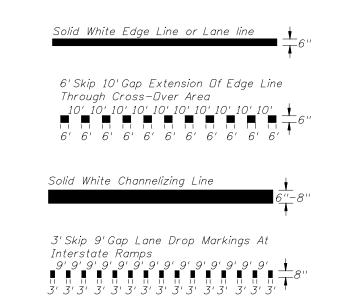
11 s.f.

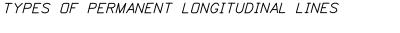
PAVEMENT ARROW AND MESSAGE DETAILS

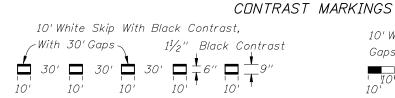
BASIC COLOR RULE:

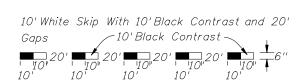
White lines separate traffic in the same direction. Yellow lines separate traffic in opposing directions. Yellow dotted lines may be used in special cases. Black may be used in combination with white for skip lines where a light-colored pavement does not provide sufficient contrast with the markings.











NDTE: When arrow and pavement message are used together, the arrow

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'

shall be located down stream of the pavement message and shall be



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.

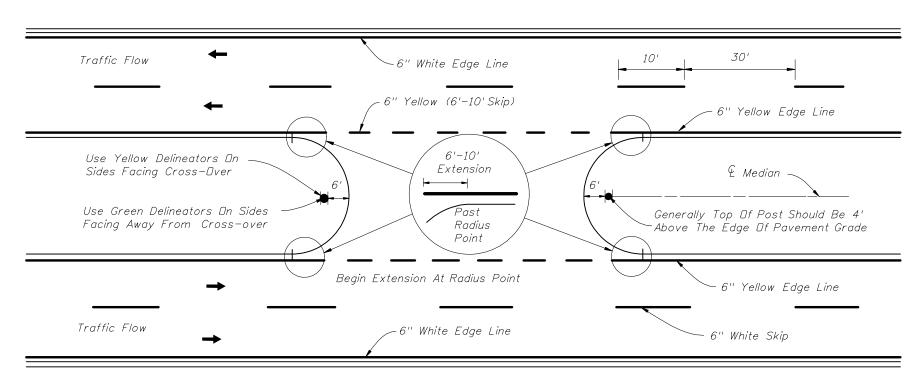


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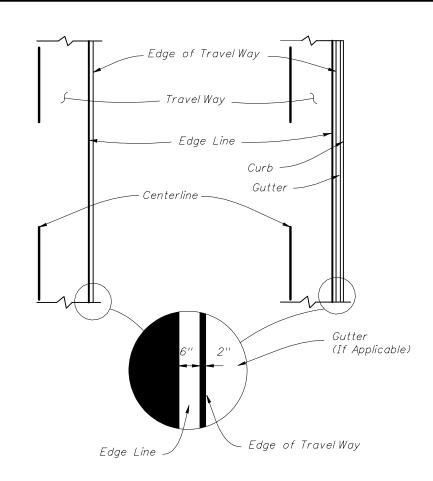
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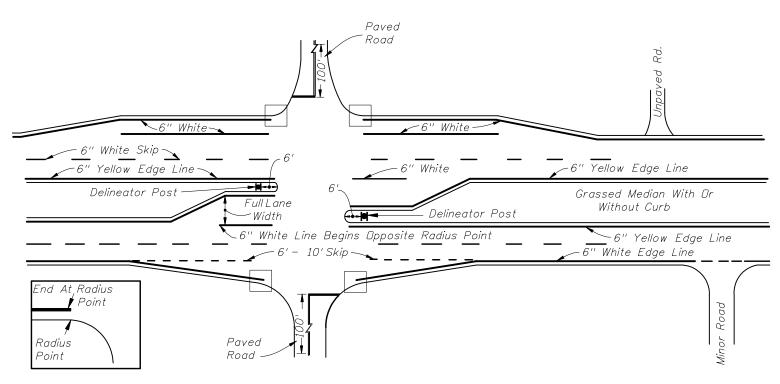
1 of 14



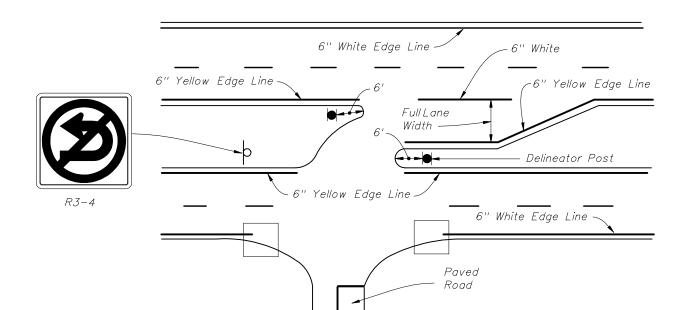
PAVEMENT MARKINGS AND DELINEATORS FOR MEDIAN CROSS-OVER



PLACEMENT OF EDGE LINES



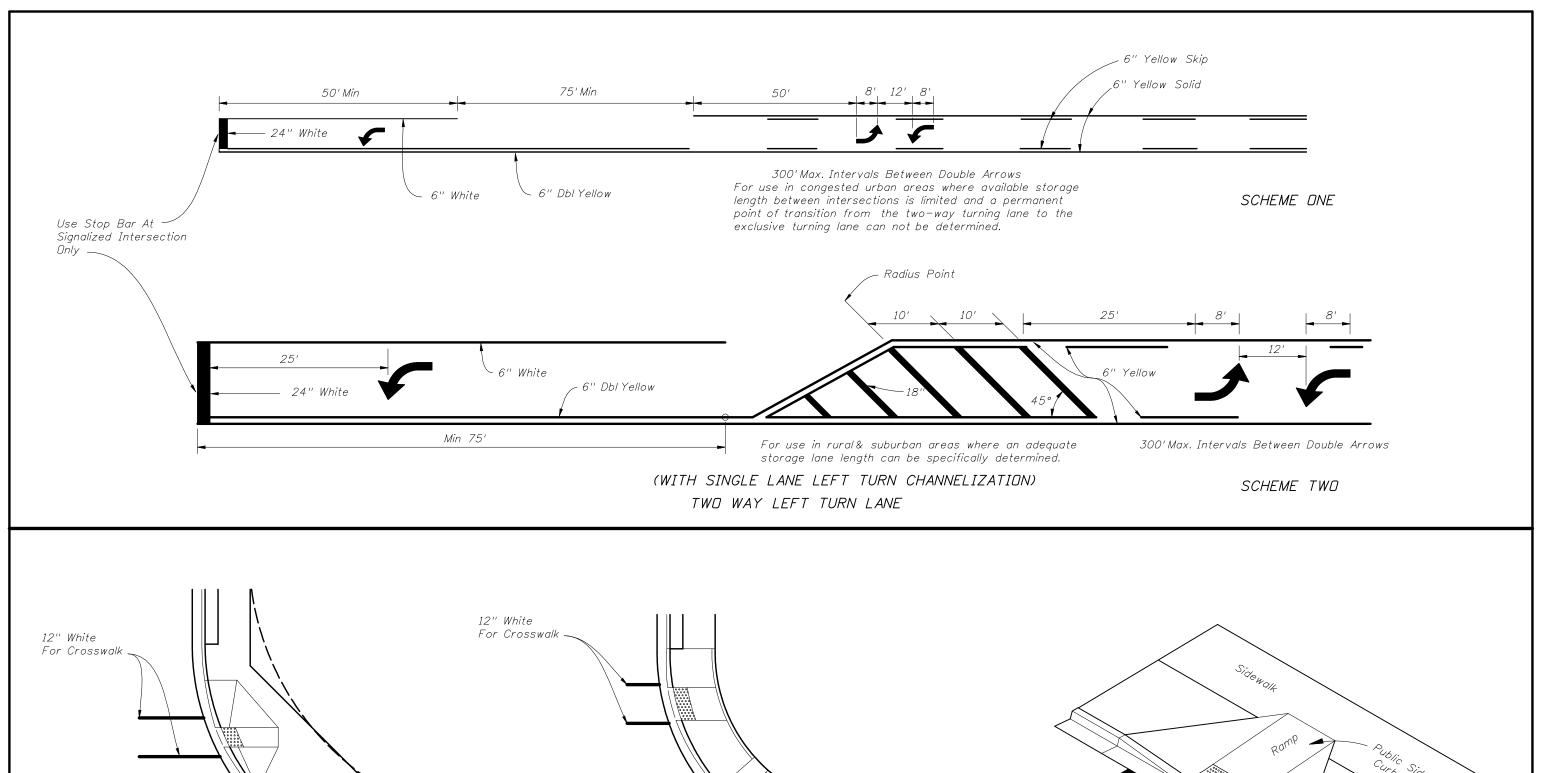


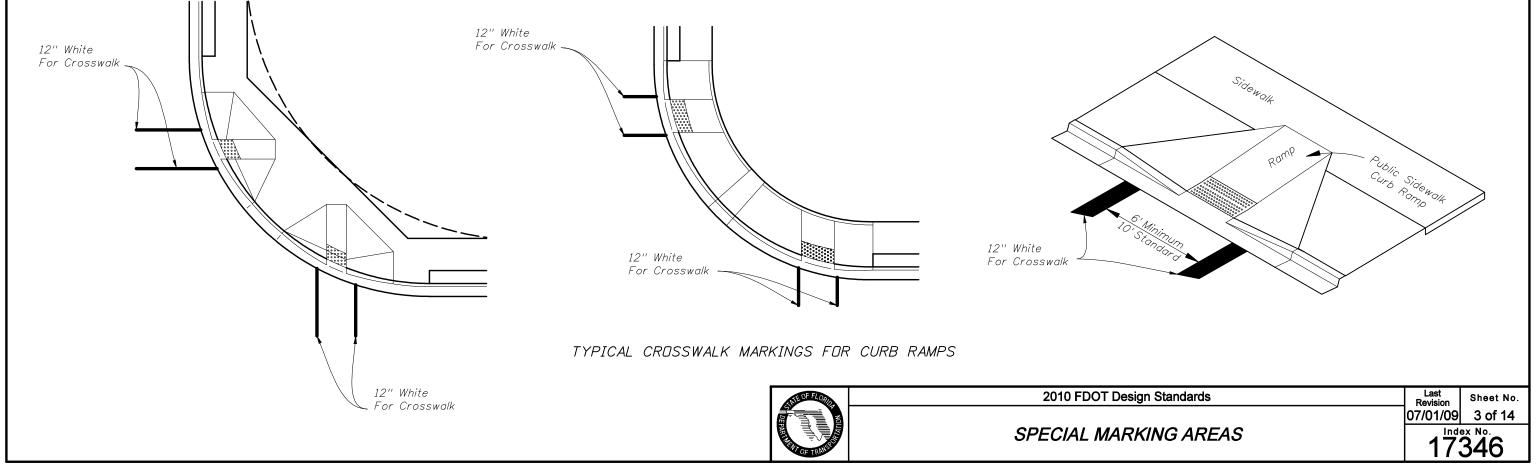


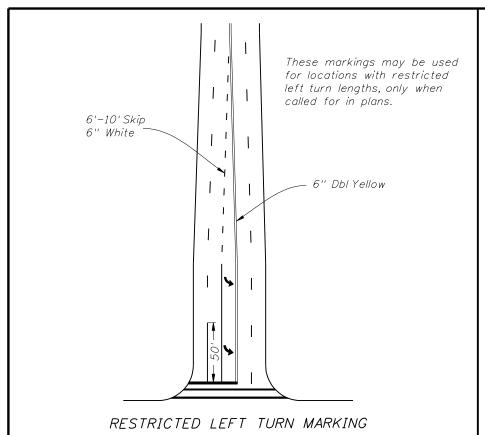
NOTE:

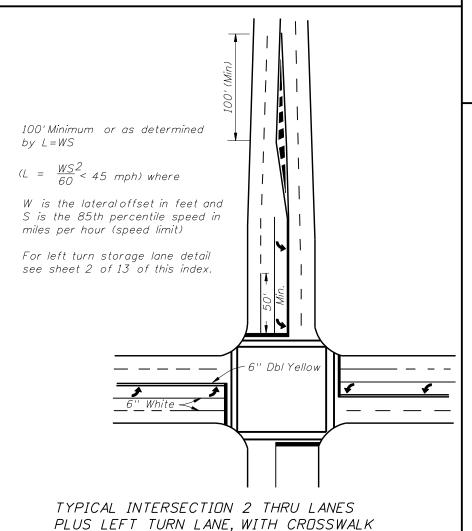
Markings applied to median noses shall be yellow in color.

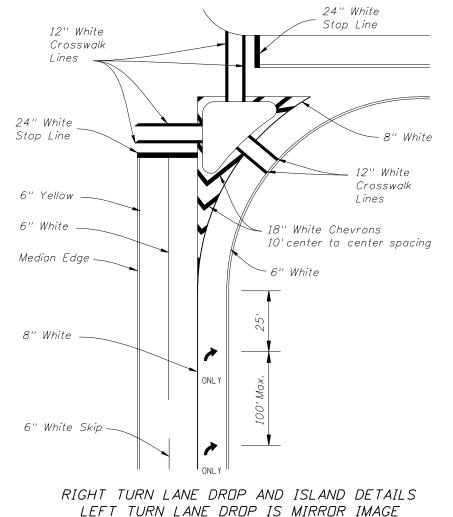


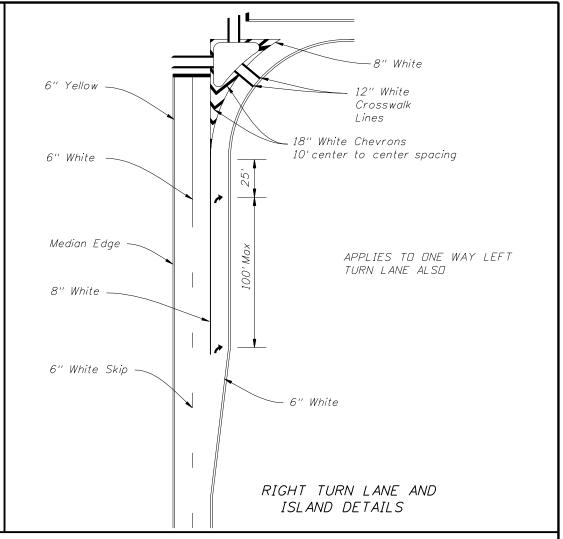


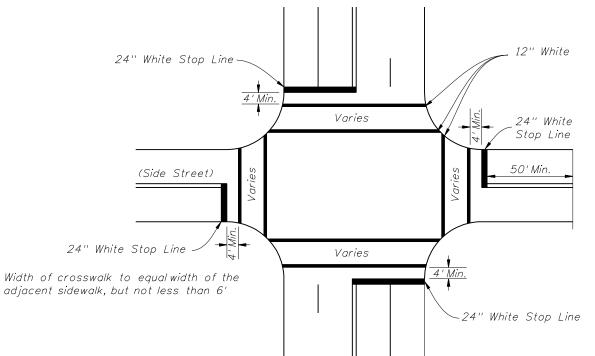








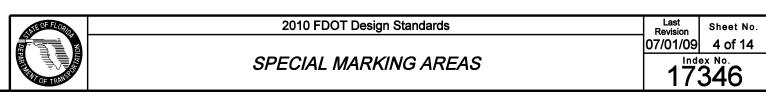


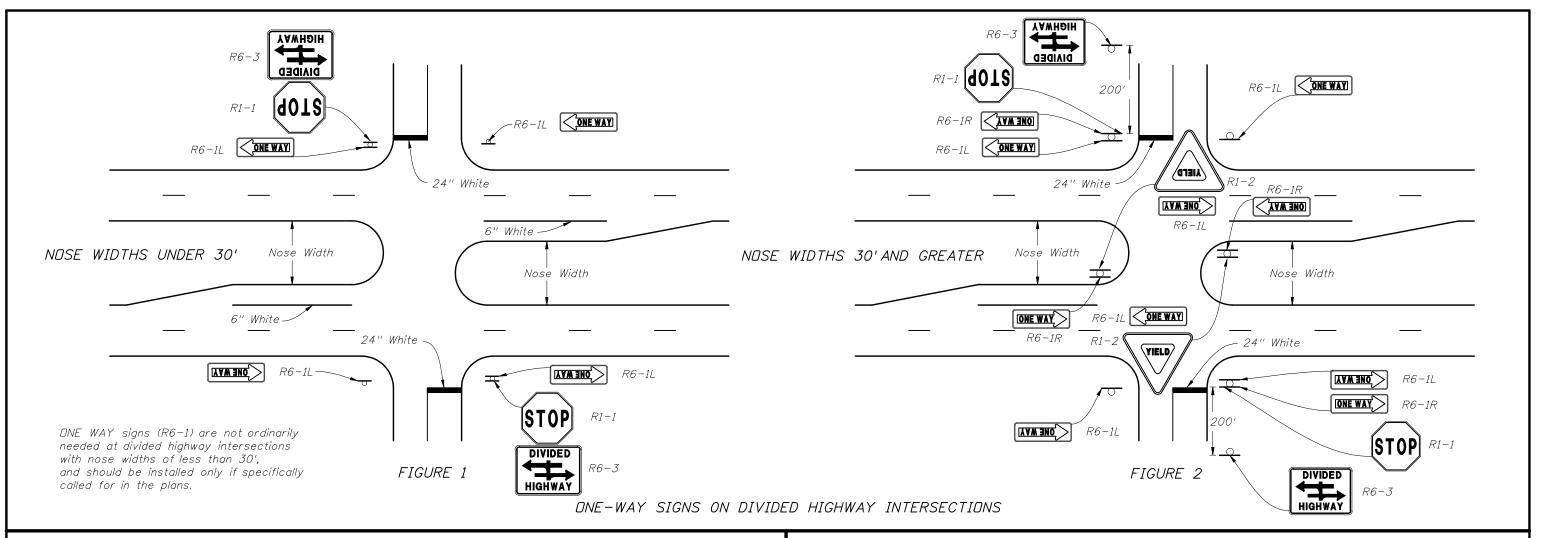


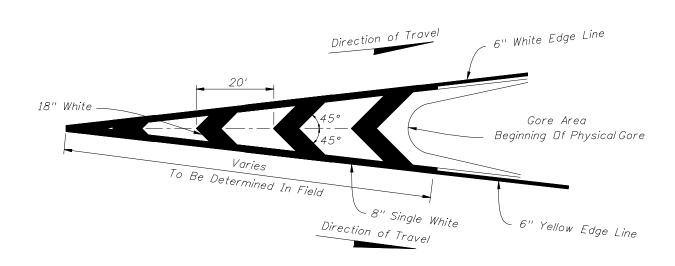
NOTES:

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

STOP BARS, CROSSWALKS AND DOUBLE CENTER LINE DETAILS

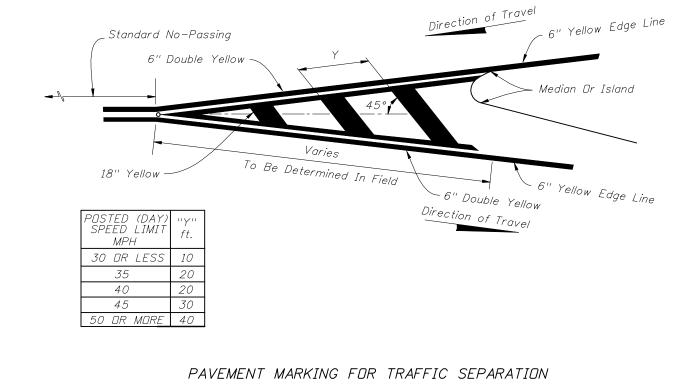


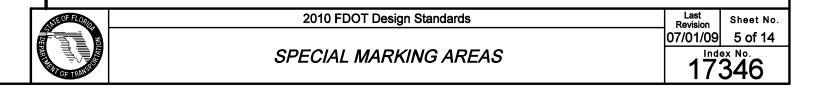




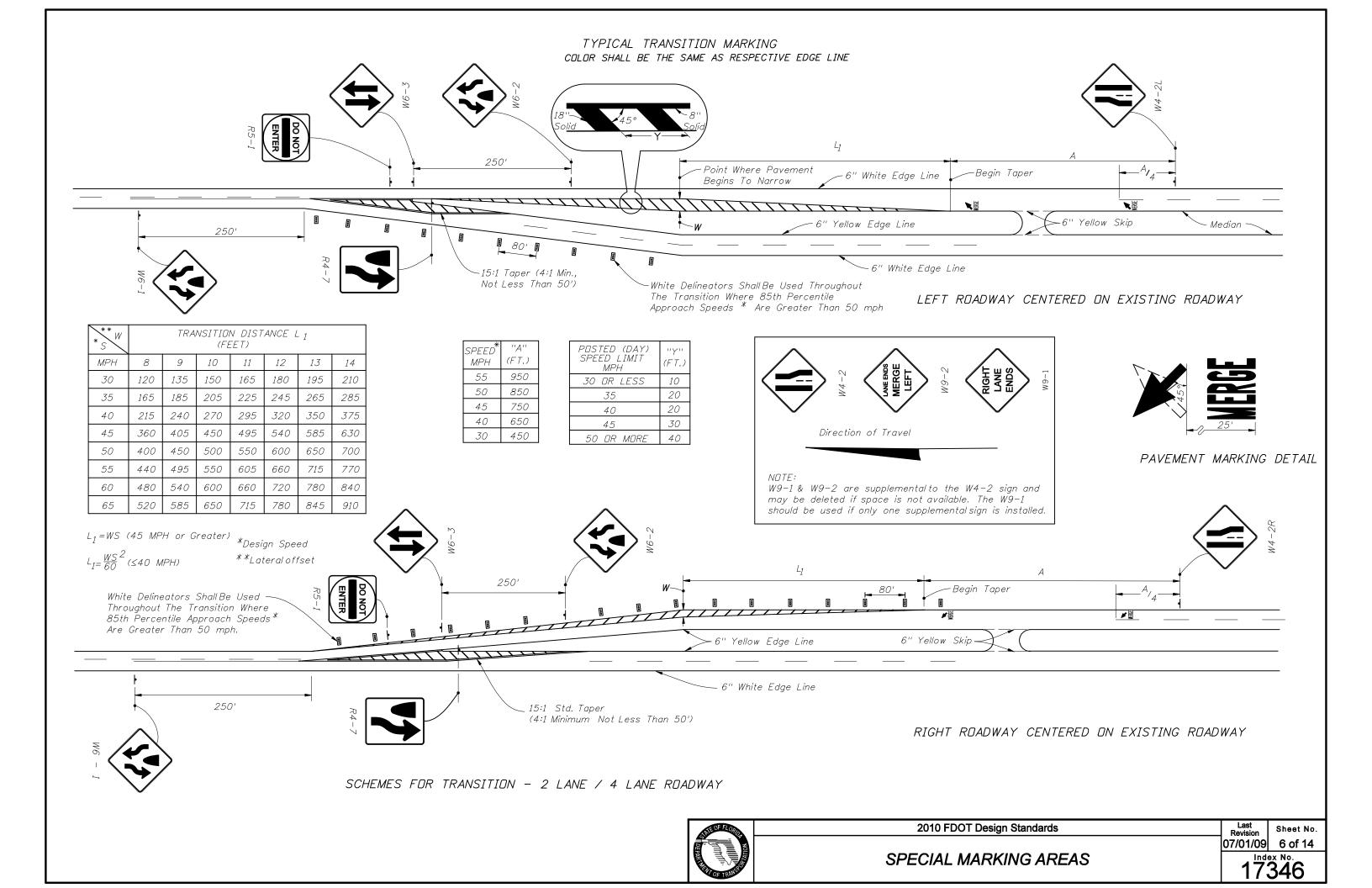
PAVEMENT MARKINGS FOR TRAFFIC CHANNELIZATION AT GORE

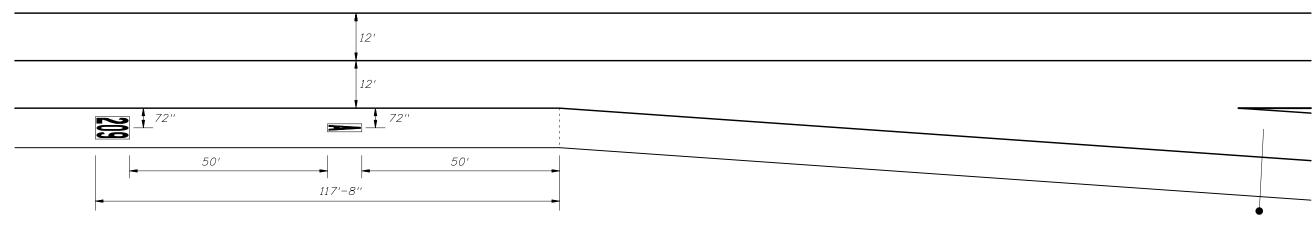
(TRAFFIC FLOWS IN SAME DIRECTION)



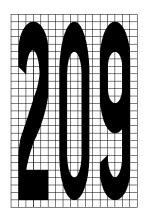


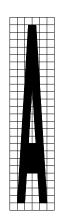
(TRAFFIC FLOWS IN OPPOSING DIRECTIONS)

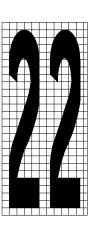




LAYOUT FOR 1, 2 AND 3 DIGIT NUMBERS AND LETTERS



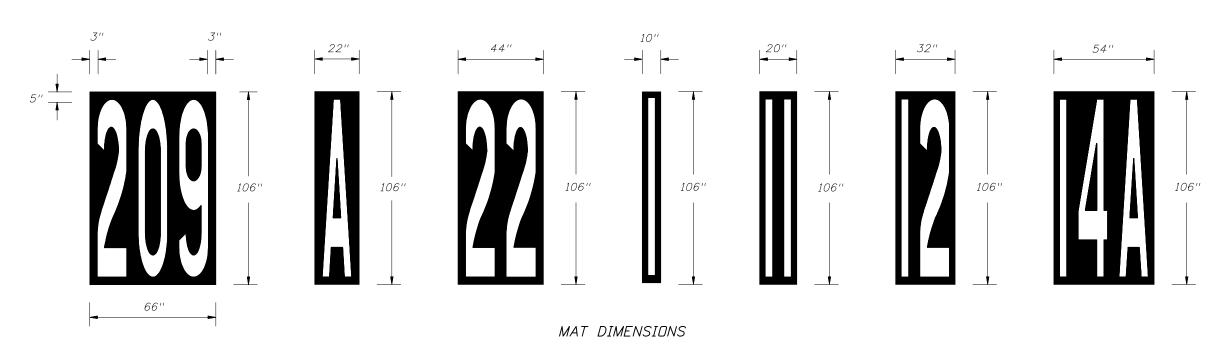




MESSAGE SIZE AND SPACING

NOTES:

- 1. Messages shall meet requirements of Specification Section 971–7 and Section 711.
- 2. The thickness of the preformed message shall be 125 mils.
- 3. The message shall consist of white letters and numbers with black contrasting material. The black material shall meet the mat dimensions shown and have a minimum skid resistance value of 55 BPN.
- 4. The "EXIT NUMBER" position remains the same (117'-8") from the beginning of taper regardless of the number of lines of information.



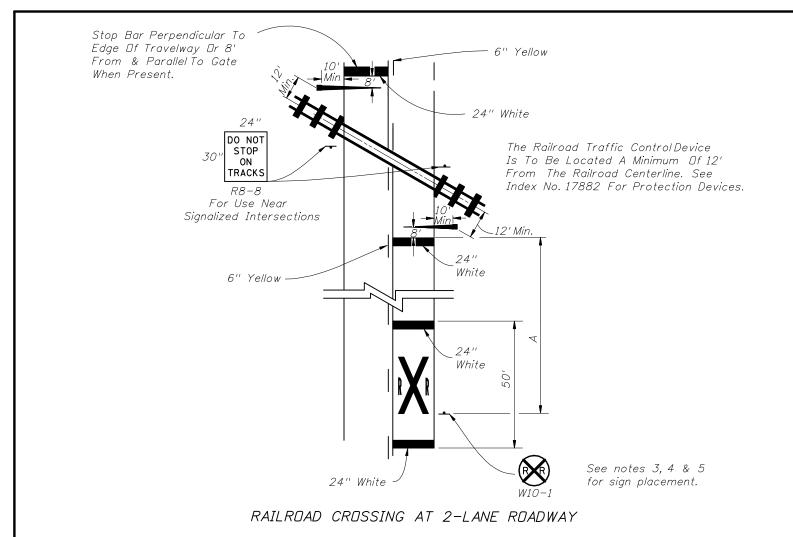


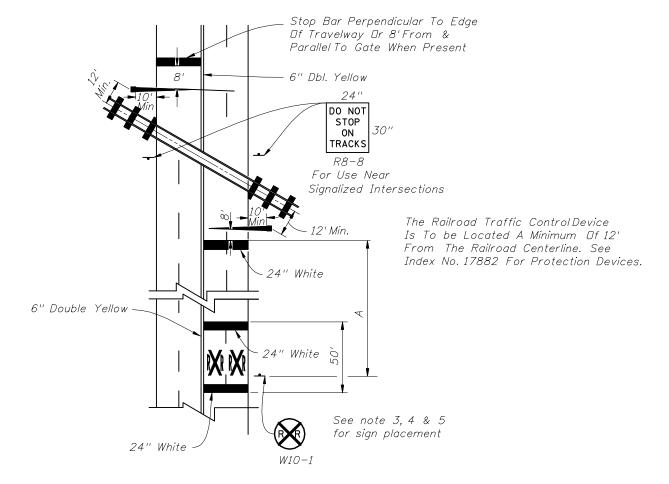
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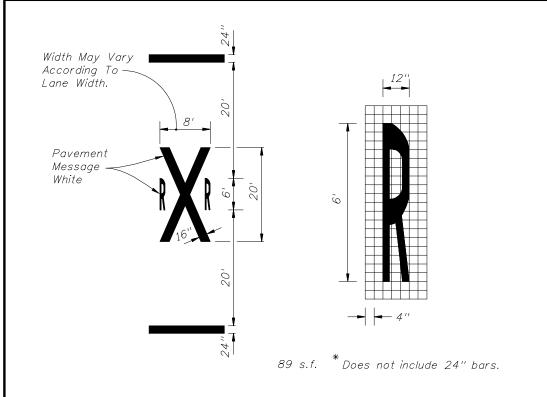
SPECIAL MARKING AREAS

17346

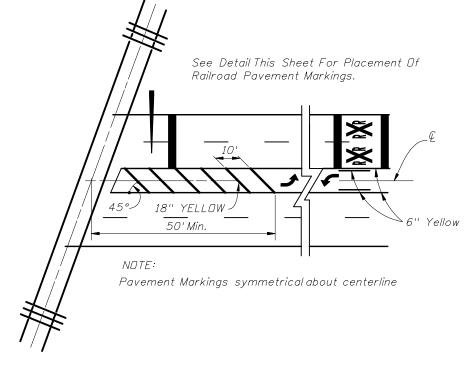




RAILROAD CROSSING AT 4-LANE ROADWAY



TYPICAL PAVEMENT MARKINGS FOR R/R CROSSING



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

NOTES:

- 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	IN FT.
60	400
55	325
50	250
45	175
40	125
<i>35</i>	100
URBAN	85 MIN.



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SPECIAL MARKING AREAS

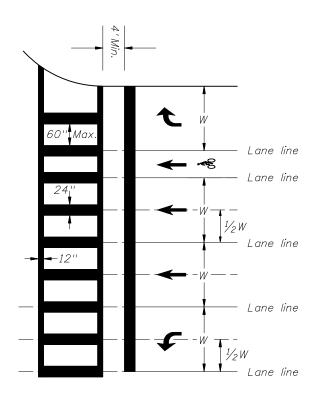
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GENERAL NOTES

- 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).

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

SPECIAL EMPHASIS AND STANDARD CROSSWALKS SIGNALIZED OR STOP SIGN CONTROLLED INTERSECTION

24" White 1

12" White

4' Min.

STANDARD

MARKINGS

12" White

SPECIAL EMPHASIS MARKINGS

4' Min.

12" White -

24" White

12" White

24" White

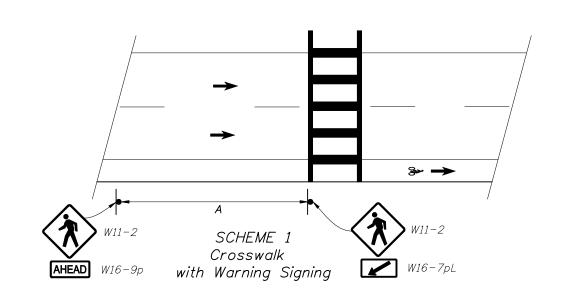


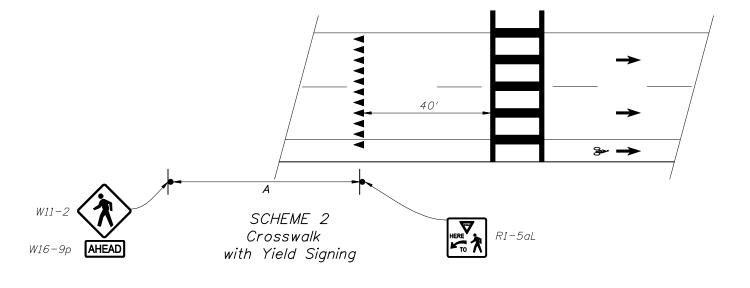
2010 FDOT Design Standards

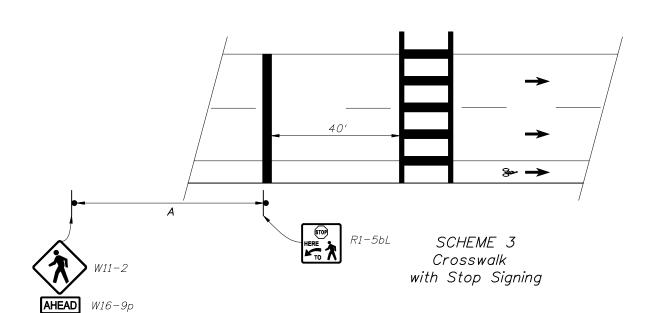
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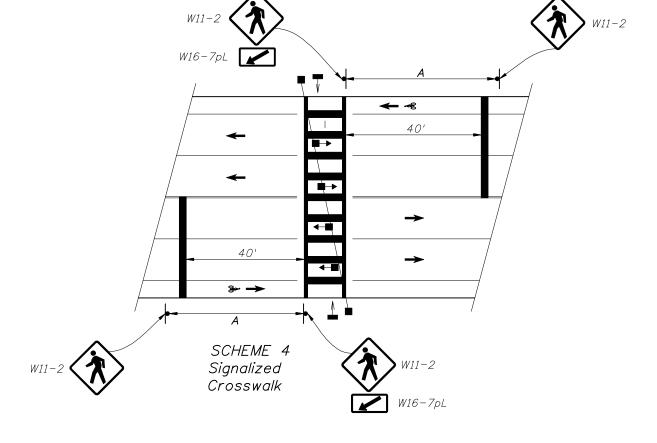
SPECIAL MARKING AREAS

17346



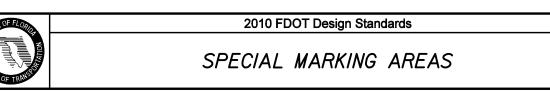




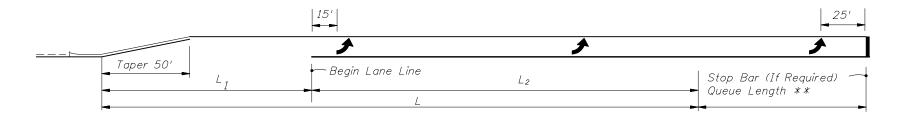


APPROACH SPEED MPH	A-SUGGESTED DISTANCE (Ft.)
25 Or Less	200
26 To 35	250
36 To 45	300
46 To 55	325

- 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.

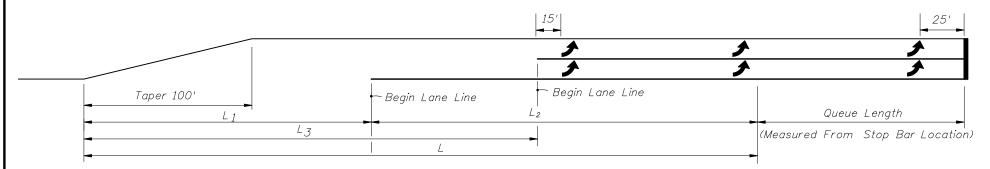


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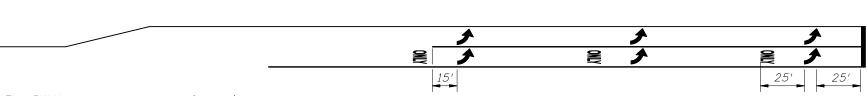


SINGLE LEFT TURNS

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

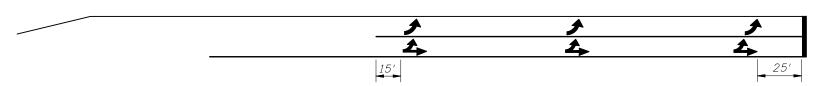


DOUBLE LEFT TURNS



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

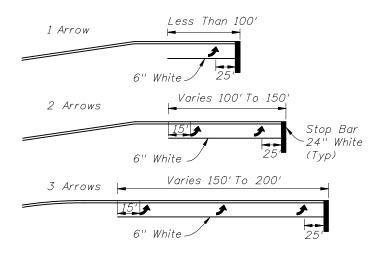
Through Lane Becomes Exclusive Left Turn



Through Lane Becomes OptionalLeft Turn

DOUBLE LEFT TURN MARKINGS

	TURN LANES • CURBED AND UNCURBED MEDIANS					IANS	
		URBAN CONDITIONS			RURAL CONDITIONS		
Design Speed (mph)	Clearance Distance	Brake To Stop Distance L ₂	Total Decel. Distance L	Clearance Distance L3	Brake To Stop Distance L2	Total Decel. Distance L	Clearance Distance 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'



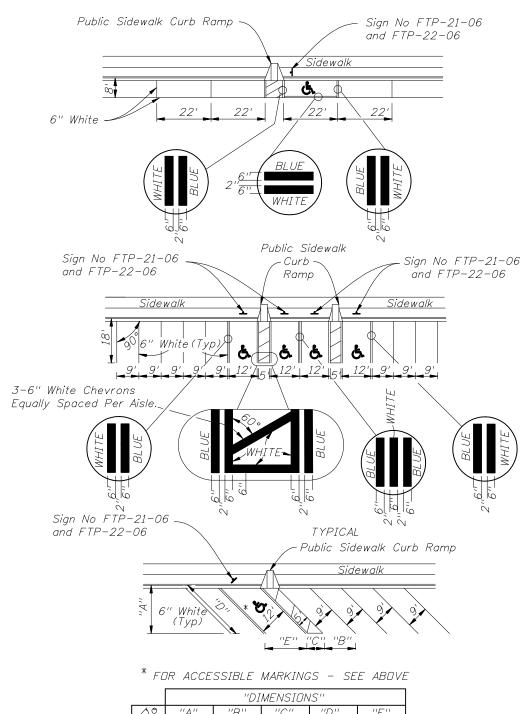
Arrow should be evenly spaced between first and last arrow. Turn lanes longer than 200' add one arrow for each 100' additional length.

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.

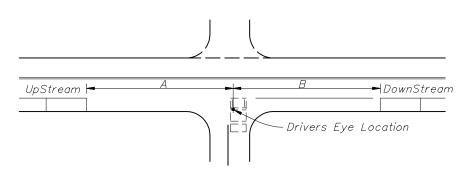




		"DIMENSIONS"				
	Δ°	''A''	''B''	''C''	''D''	''E''
ſ	45°	19'-1''	12'-9''	7'-0''	27'-0"	17'-0''
Γ	60°	20'-1"	10'-5"	5'-9''	23'-2"	13'-10''

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. 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.

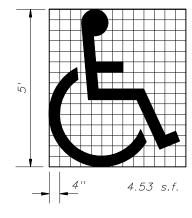


SPEED	UP STREAM	(A)	DOWN STREAM (B)		
MPH OF	OF STALAM		2 LANE	4 LANE	
0-30	85' 100'		60'	45'	
35			70'	50'	

NATES

- 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





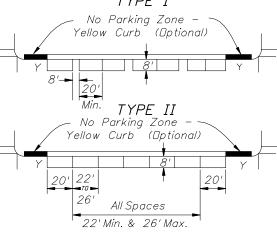
& Use of pavement symbol in accessible parking spaces is optional, when used the symbol shall be 3' or 5' high and white in color.

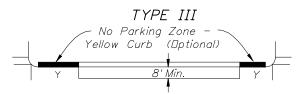
UNIVERSAL SYMBOL OF ACCESSIBILITY

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'	DIS1 CURI
35	50'	

DISTANCE FROM CURB RADIUS (Y)

PARKING RESTRICTION (FT.) FOR SIGNALIZED INTERSECTION

NATES:

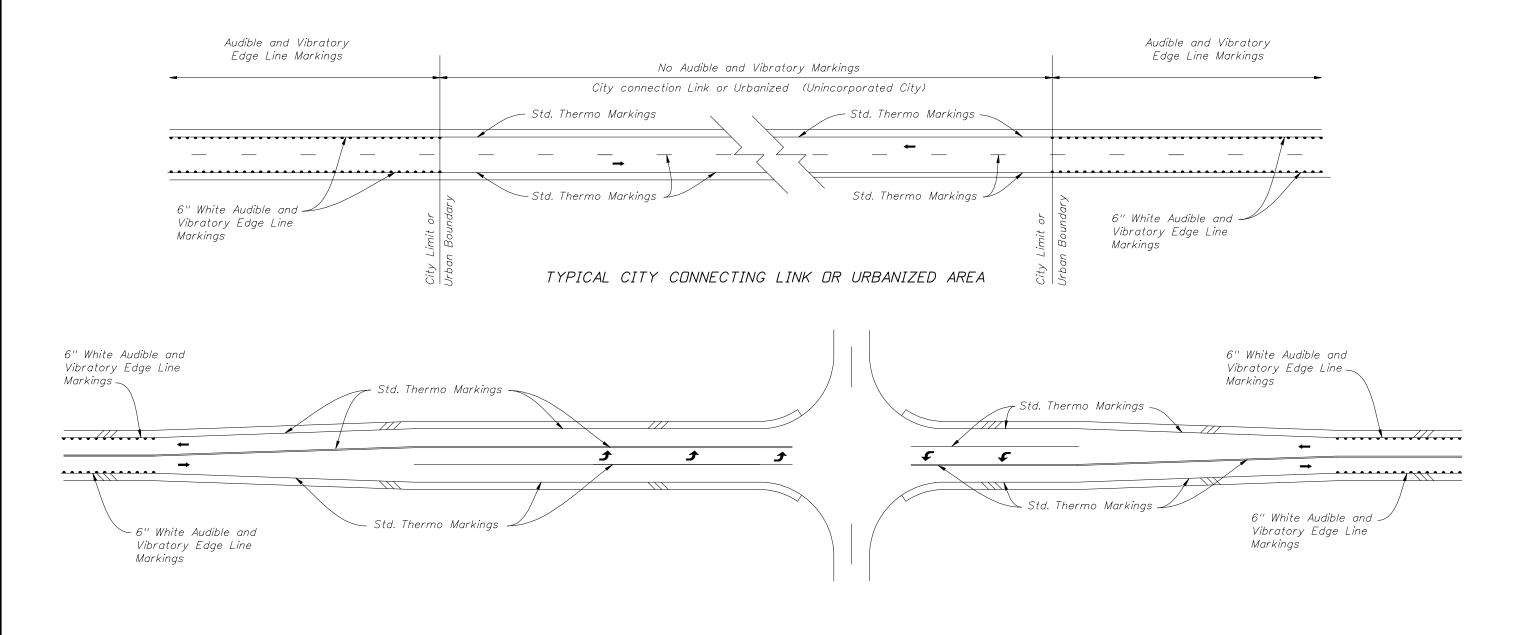
- 1. Parking restrictions measured from curb radius point.
- 2. Restrictions for accessible parking are the same as those applied to nonsignalized intersections.

MINIMUM PARKING RESTRICTION FOR SIGNALIZED INTERSECTION



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TYPICAL RURAL INTERSECTION WITH TURN LANES



TYPICAL RURAL INTERSECTION WITHOUT TURN LANES

Std. Thermo

AUDIBLE AND VIBRATORY MARKINGS

Std. Thermo

2 LANE ROADWAYS

6" White Audible and Vibratory Edge Line

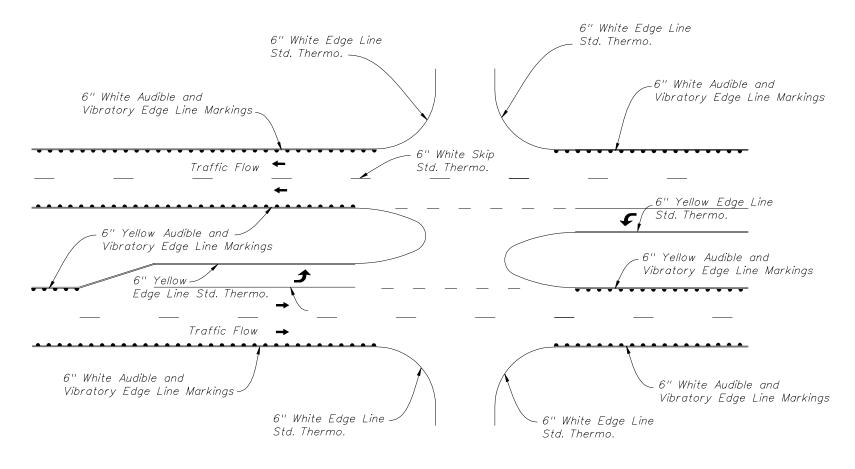
Markings



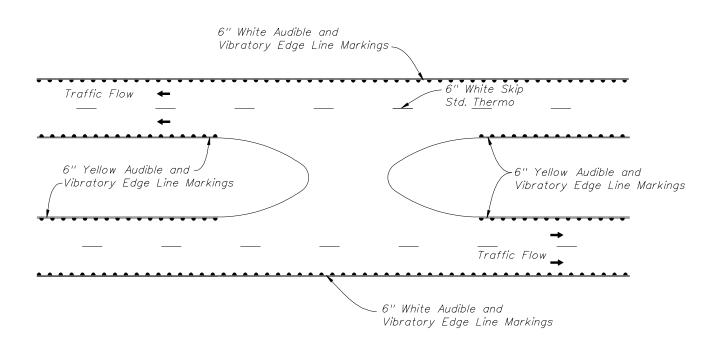
SPECIAL MARKING AREAS

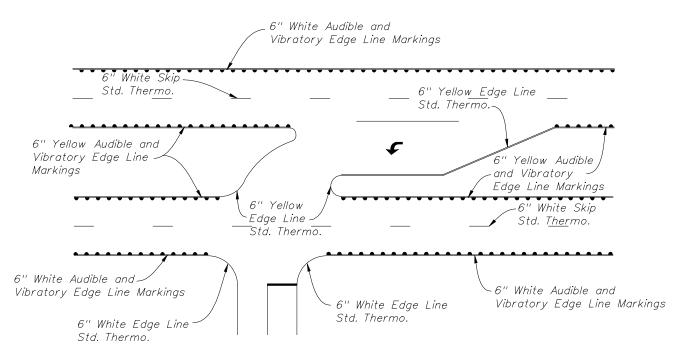
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- 1. The Contractor Shall Adjust The Maintenance Of Traffic During Installation To Provide Sufficient Time For The Markings To Bear Traffic.
- 2. The Height Of The Transverse Bar For Markings Shall Be 0.45 To 0.55 Inches Above The Pavement Surface 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



2010 FDOT Design Standards

SPECIAL MARKING AREAS

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