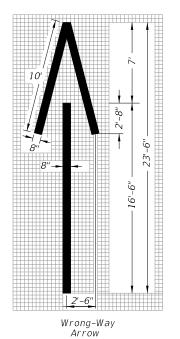
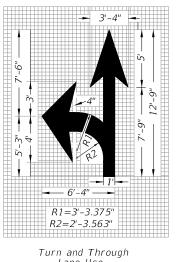


23 S.F. 22 S.F. 20 S.F.

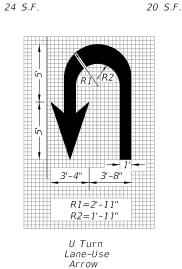
PAVEMENT ARROW AND MESSAGE DETAILS NOTE: When arrow and pavement message are used together, the arrow shall be located down stream of the pavement message and shall be separated from the pavement message by a distance of 25' (Base of the arrow to the base of the message). Stop message shall be placed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



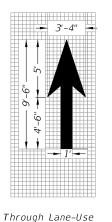
24 S.F.



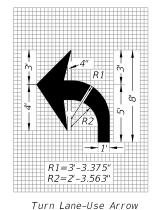
23 S.F.

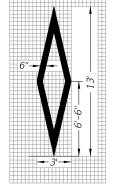


27 S.F.



26 S.F.





20 S.F.

Preferential Lane Symbol 11 S.F.

DIMENSIONS ARE WITHIN 1" ±

Lane-Use Arrow

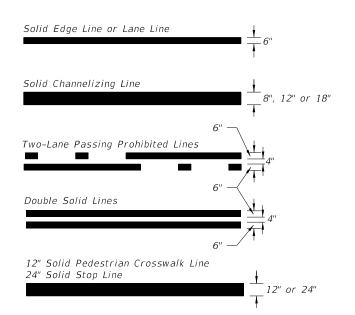
29 S.F.

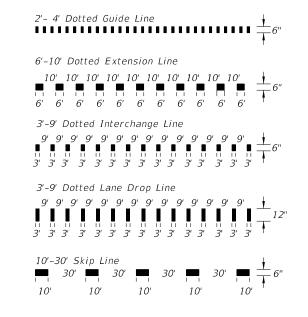
12 S.F.

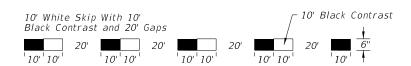
Right Turn Similar by Opposite Hand) 17 S.F.

(Left Turn Shown -

PAVEMENT ARROW AND MESSAGE DETAILS







CONTRAST MARKINGS



Yield Lines consist of five -18" X 27" white triangles which face traffic. Equally space triangles within trável lane. Add one additional triangle using same spacing when a bike lane is present.

YIELD LINES

TYPES OF PAVEMENT MARKING LINES

LAST **REVISION** 01/21/15

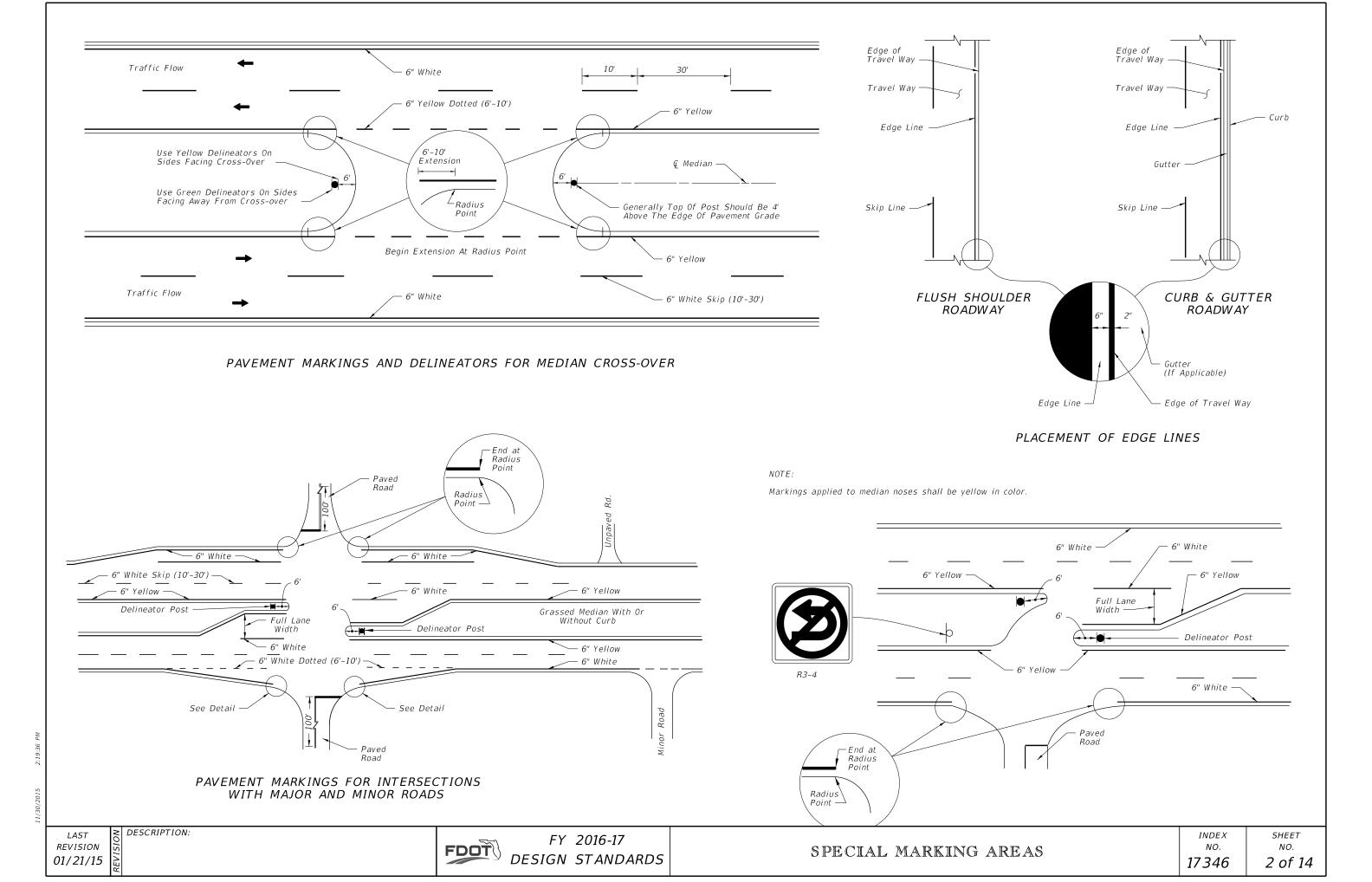
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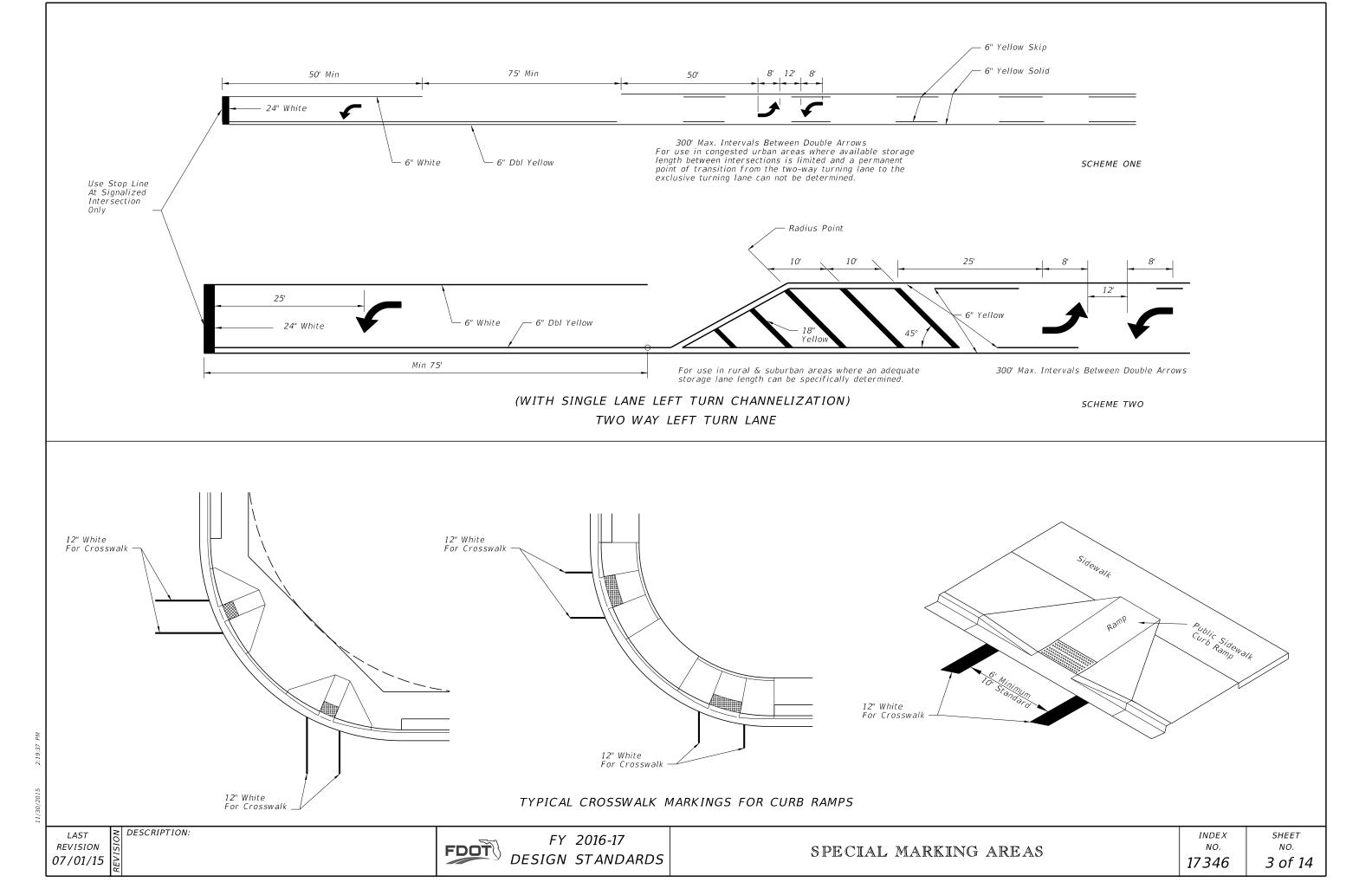
FDOT

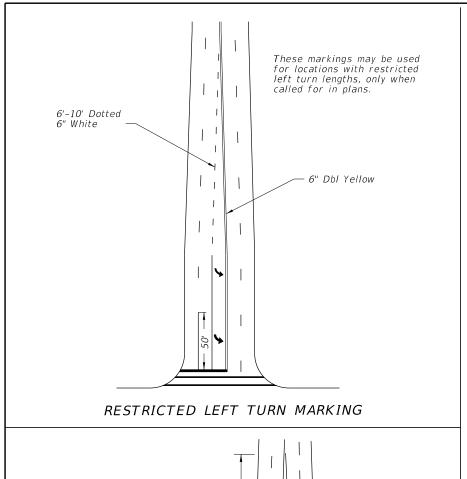
FY 2016-17 **DESIGN STANDARDS**

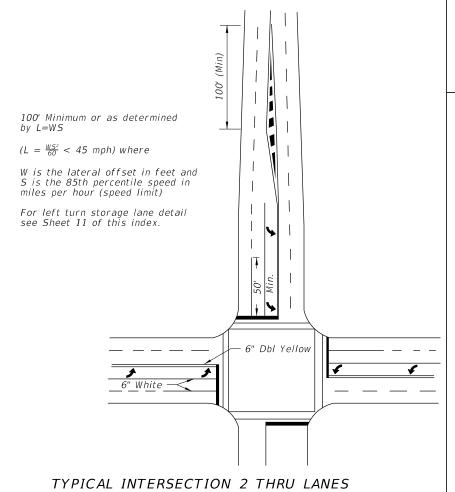
INDEX NO. 17346

SHEET NO. 1 of 14

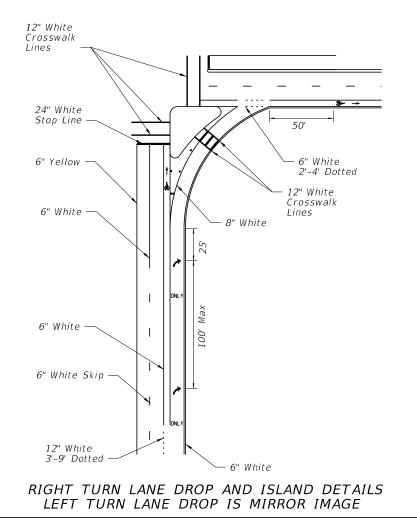


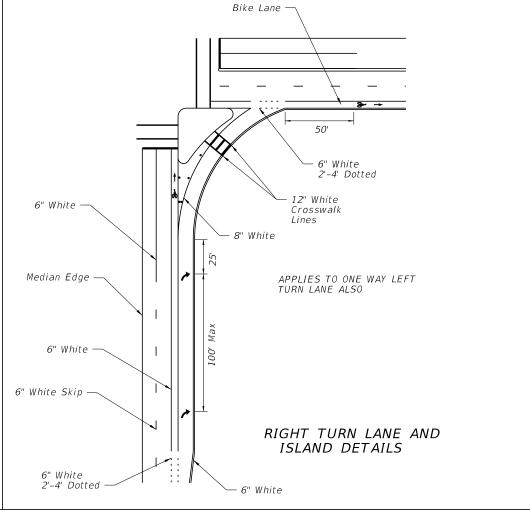


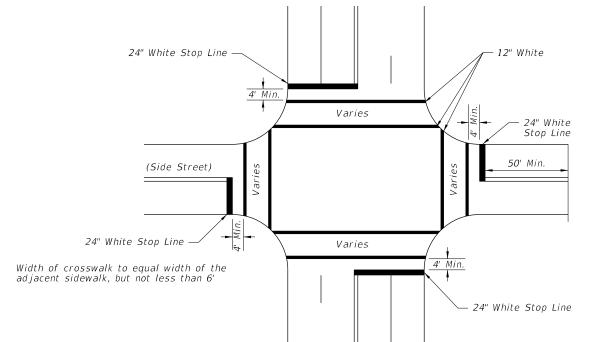




PLUS LEFT TURN LANE, WITH CROSSWALK







NOTES:

- 1. When public sidewalk curb ramps are present, refer Index No. 17344 and Index No. 304 for crosswalk widths.
- 2. Double yellow longitudinal center lines on all roadway approaches shall be extended back 100' for project's 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

FDOT

FY 2016-17 DESIGN STANDARDS

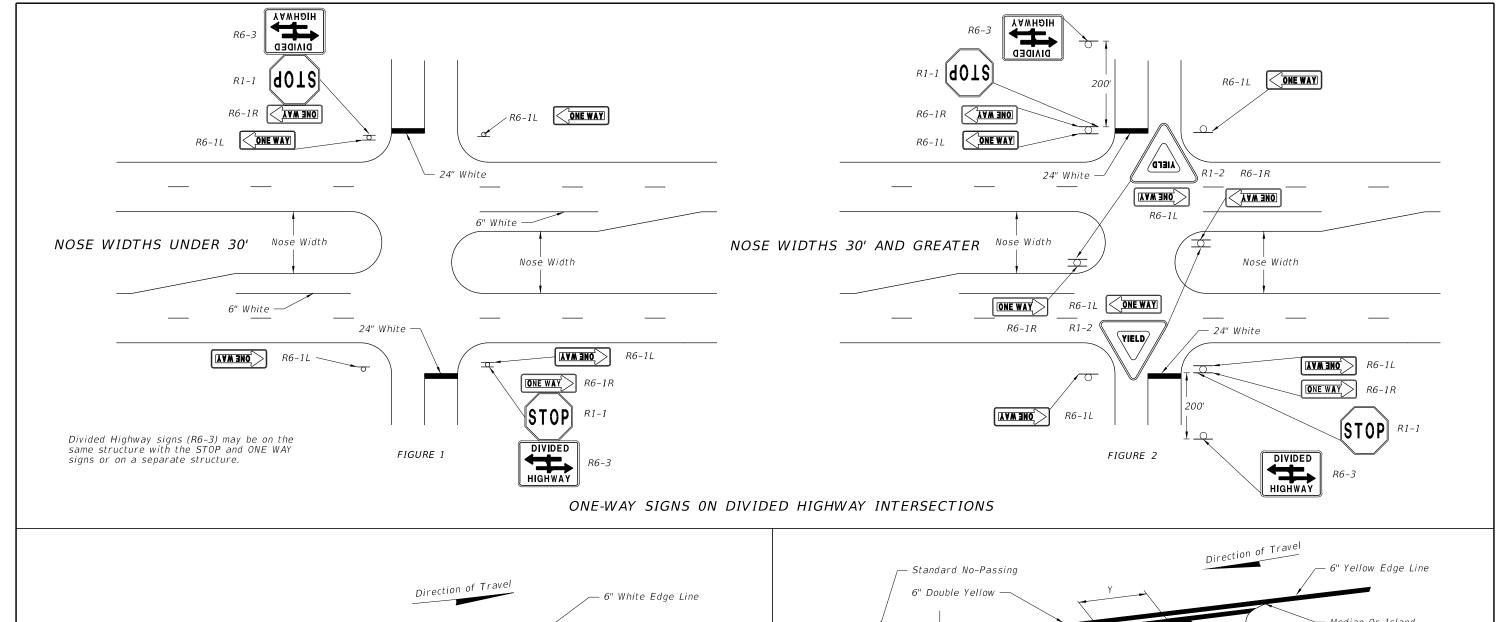
SPECIAL MARKING AREAS

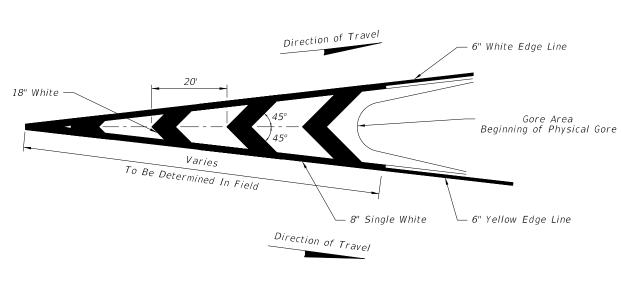
INDEX NO. 17346

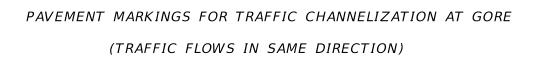
SHEET NO. 4 of 14

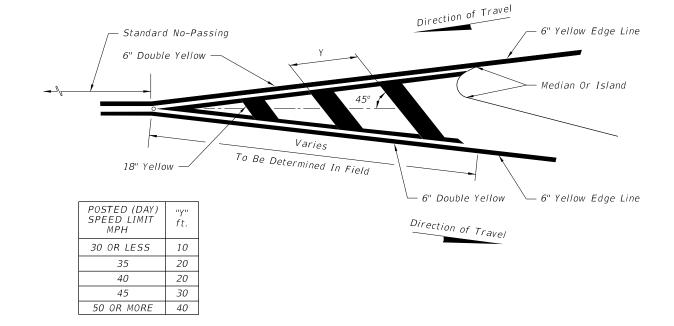
REVISION 07/01/15

≥ DESCRIPTION:









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

LAST **REVISION** 07/01/13

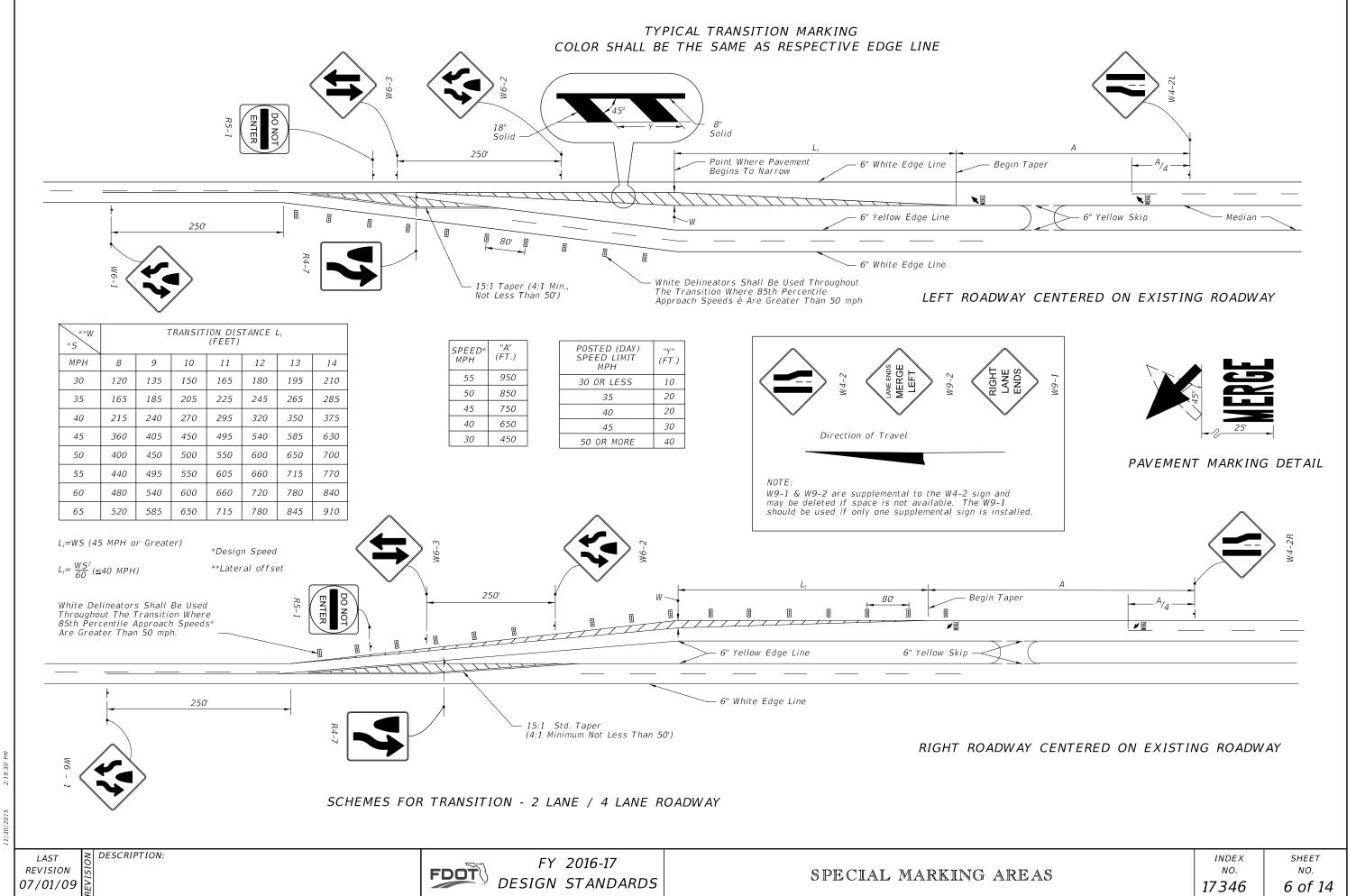
FDOT

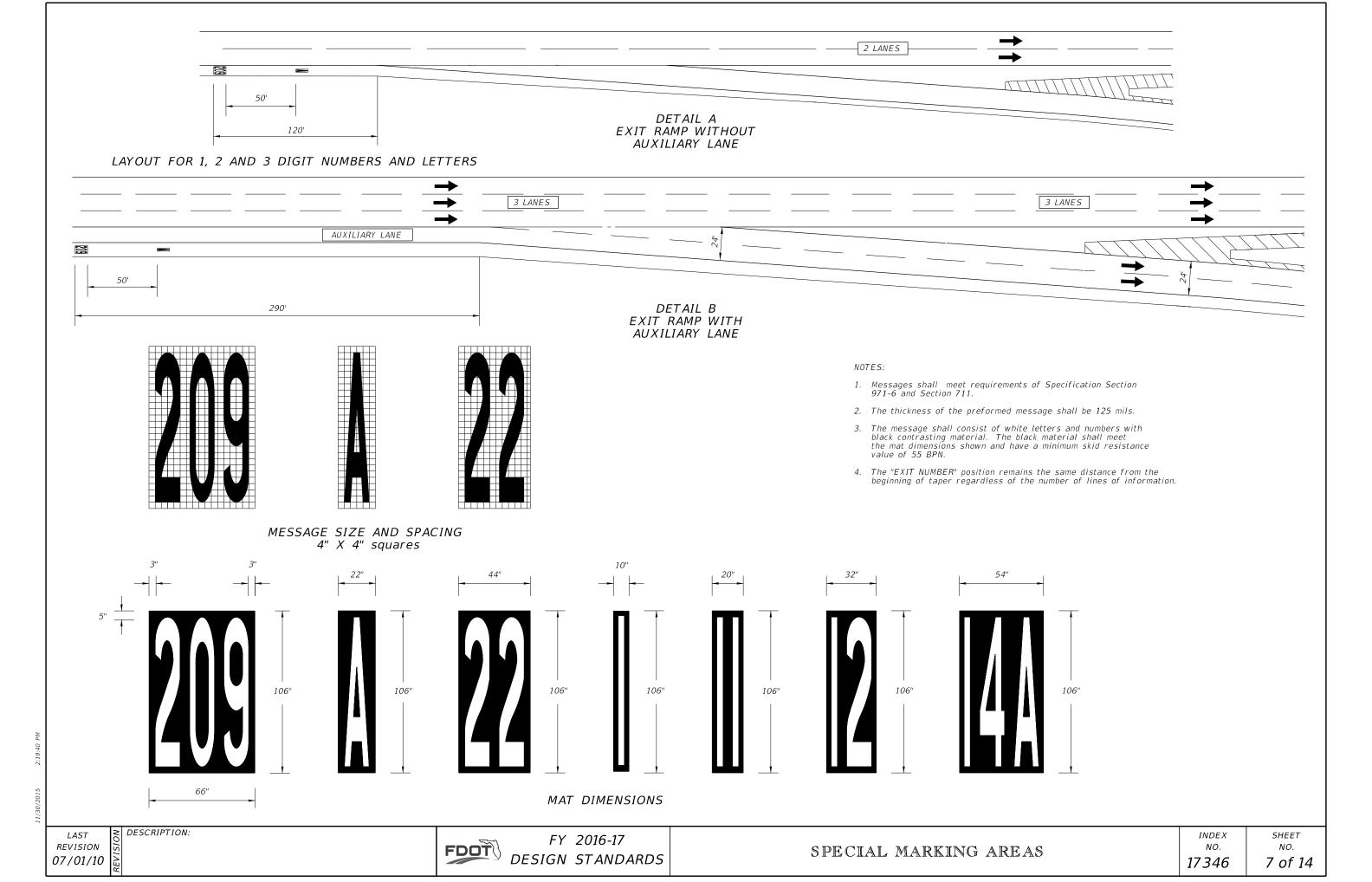
FY 2016-17 DESIGN STANDARDS

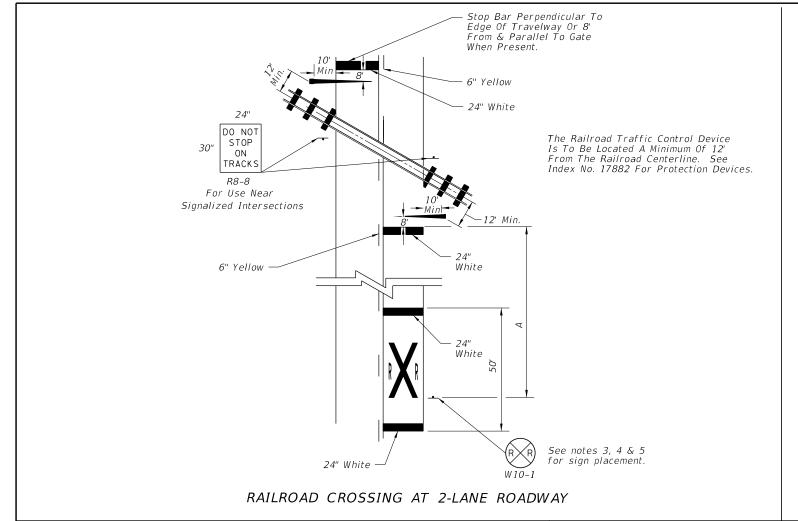
SPECIAL MARKING AREAS

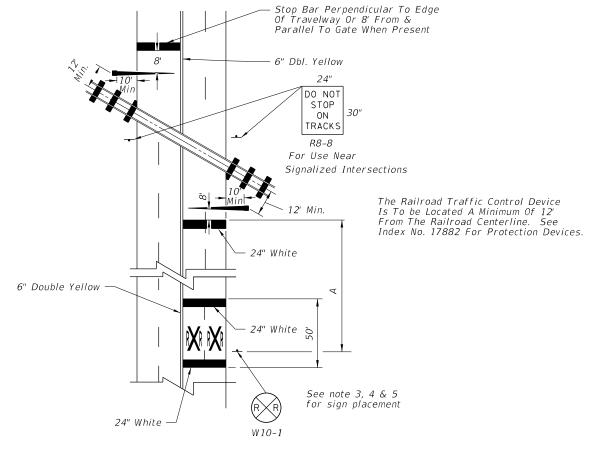
INDEX NO. 17346

SHEET NO. 5 of 14

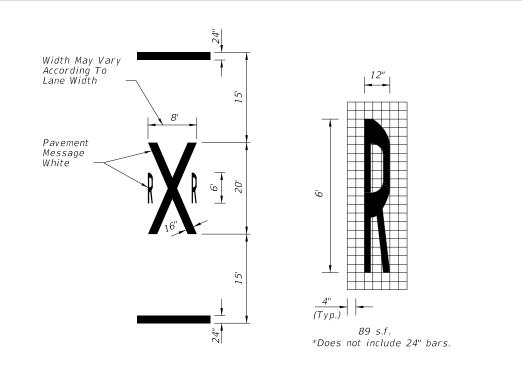




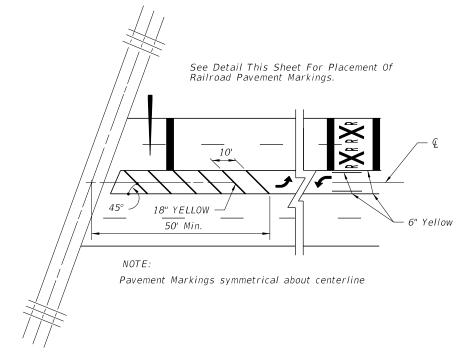




RAILROAD CROSSING AT 4-LANE ROADWAY



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

REVISION 10/09/14

DESCRIPTION:

FDOT

FY 2016-17 **DESIGN STANDARDS**

SPECIAL MARKING AREAS

INDEX NO. 17346

SHEET NO. 8 of 14

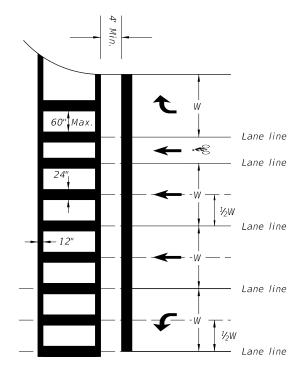
GENERAL NOTES

- 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 marking must be white.
- 6. Longitudinal markings in Special Emphasis Crosswalk must be 24" wide and spaced to avoid the wheel path of vehicles (see detail). Center the longitudinal markings at each lane line. Place additional longitudinal markings at the center of each lane (1/2W). The maximum spacing allowed between longitudinal markings is 60".

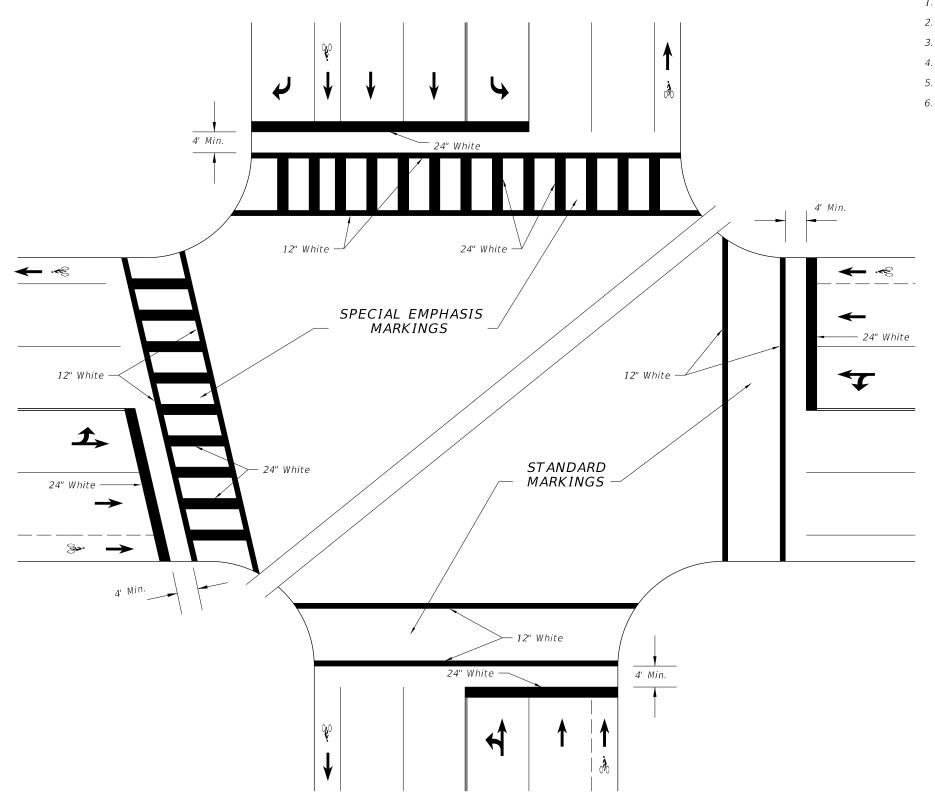
When the Crosswalk is skewed to the lane lines, the longitudinal markings should be parallel to the lane lines.

24" Longitudinal Bars in Special Emphasis Crosswalk must be preformed thermoplastic.

12" Transverse lines in the Special Emphasis Crosswalk may be standard thermoplastic or preformed thermoplastic.



SPECIAL EMPHASIS CROSSWALK MARKING DETAIL



SPECIAL EMPHASIS AND STANDARD CROSSWALKS SIGNALIZED OR STOP SIGN CONTROLLED INTERSECTION

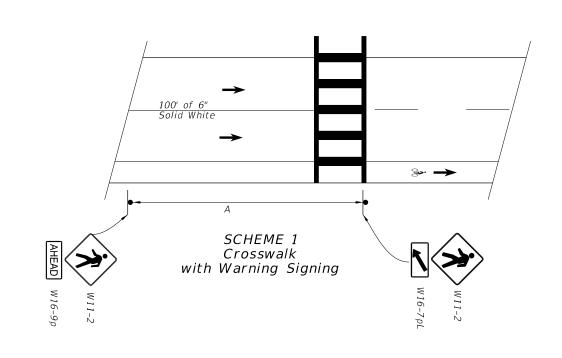
DESCRIPTION: **REVISION** 07/01/15

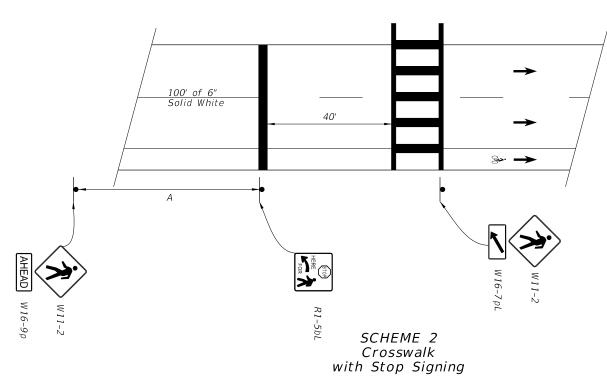
FY 2016-17 DESIGN STANDARDS

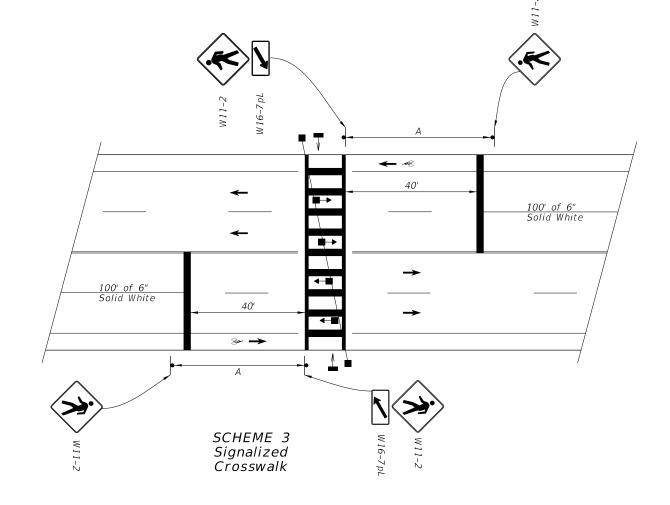
SPECIAL MARKING AREAS

INDEX NO. 17346

SHEET NO. 9 of 14







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 shall be preformed marking materials.

REVISION 07/01/14

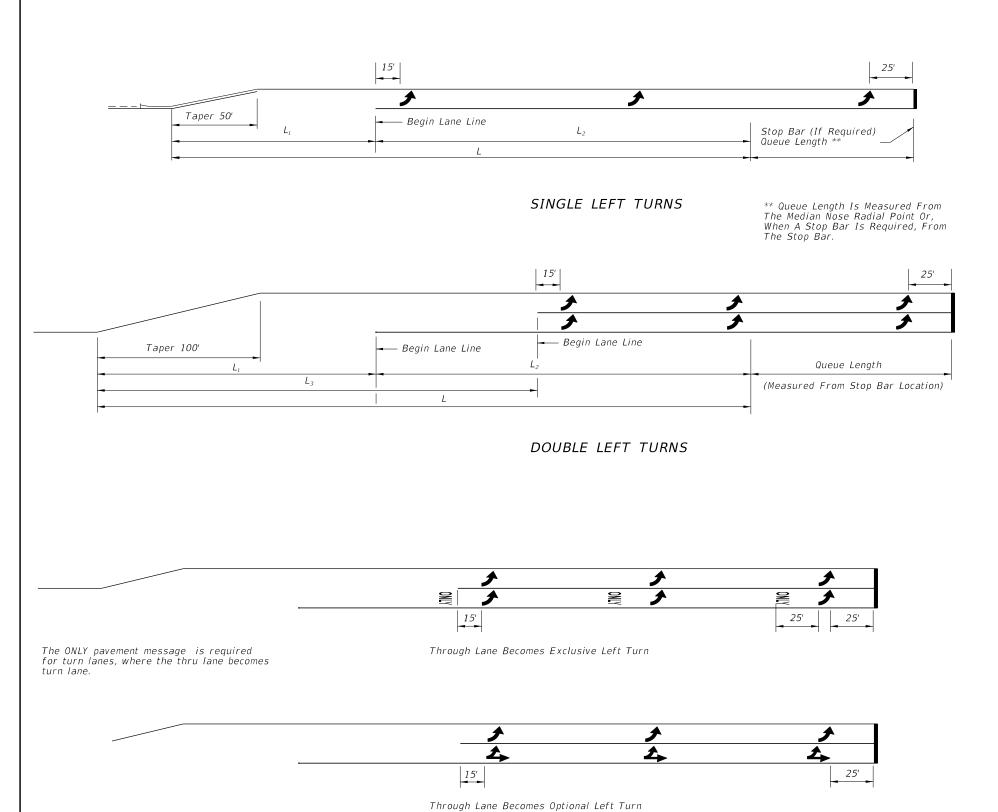
DESCRIPTION:

FY 2016-17 DESIGN STANDARDS

SPECIAL MARKING AREAS

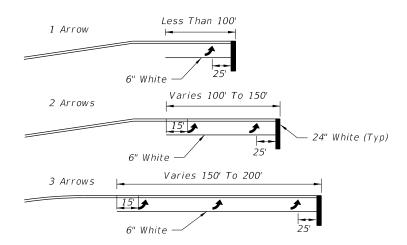
INDEX NO. 17346

SHEET NO. 10 of 14



	<i>DOUBLE</i>	LEFT	TURN	<i>MARKINGS</i>
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	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,	L ₂	L	L ₃	L_2	L	Lз
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.
- 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 11/12/14 | DESCRIPTION:

FY 2016-17

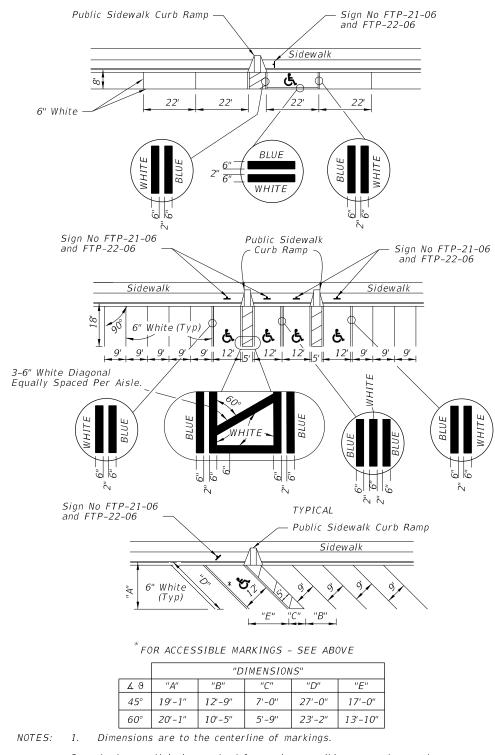
DESIGN STANDARDS

SPECIAL MARKING AREAS

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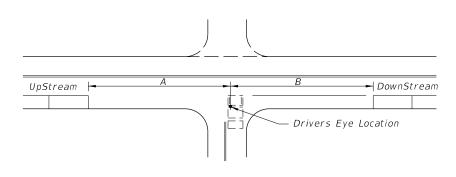






- 2. An Access Aisle is required for each accessible space when angle parking is used.
- Criteria for pavement markings only, not public sidewalk curb ramp locations. For ramp locations refer to plans.
- 4. Blue pavement markings shall be tinted to match shade 15180 of Federal Standards 595a.
- 5. The FTP-22-06 panal shall be mounted below the FTP-21-06 sign.

PAVEMENT MARKING FOR PUBLIC SIDEWALK CURB RAMPS IN REST AREAS

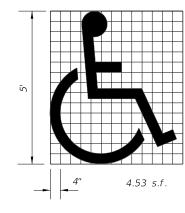


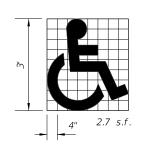
SPEED	UP STREAM (A)	DOWN STREAM (B)		
MPH	OF STREAM (A)	2 LANE	4 LANE	
0-30	85'	60'	45'	
35	100'	70'	50'	

NOTES

- 1. Distances measured longitudinally along the street from driver location of entering vehicle to end of parking restriction.
- Distances applicable to intersecting street, major driveways and other driveways to the extent practical.
- 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





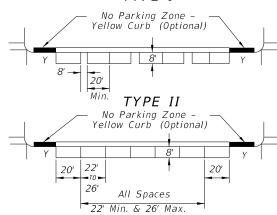
Use of pavement symbol in accessible parking spaces is optional, when used the symbol shall be 3' or 5' high and white in color.

UNIVERSAL SYMBOL OF ACCESSIBILITY

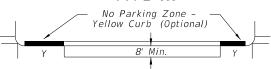
GENERAL NOTES (Signalized & Nonsignalized)

- 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.
- 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



TYPE III



SPEED LIMIT	SIGNALIZED
MPH	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

FY 2016-17
DESIGN STANDARDS

DESCRIPTION:

TYPICAL RURAL INTERSECTION WITH TURN LANES

GENERAL NOTES:

- 1. Remove raised retroreflective pavement markers when in conflict with the installation of the centerline profiled thermoplastic pavement markings. The cost of removal is included in the cost of the profiled thermoplastic pavement marking.
- 2. Replacement of retroreflective pavement markers removed during the installation of the centerline profiled thermoplastic pavement markings will be paid for under Pay Item 706.

PROFILED THERMOPLASTIC MARKINGS 2 LANE ROADWAYS

LAST **REVISION** 01/01/16

DESCRIPTION:

FY 2016-17 **DESIGN STANDARDS**

SPECIAL MARKING AREAS

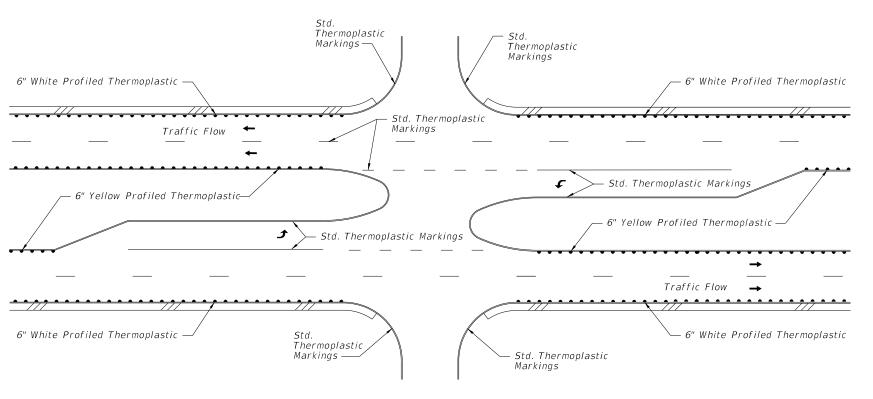
INDEX NO. 17346

SHEET NO. 13 of 14

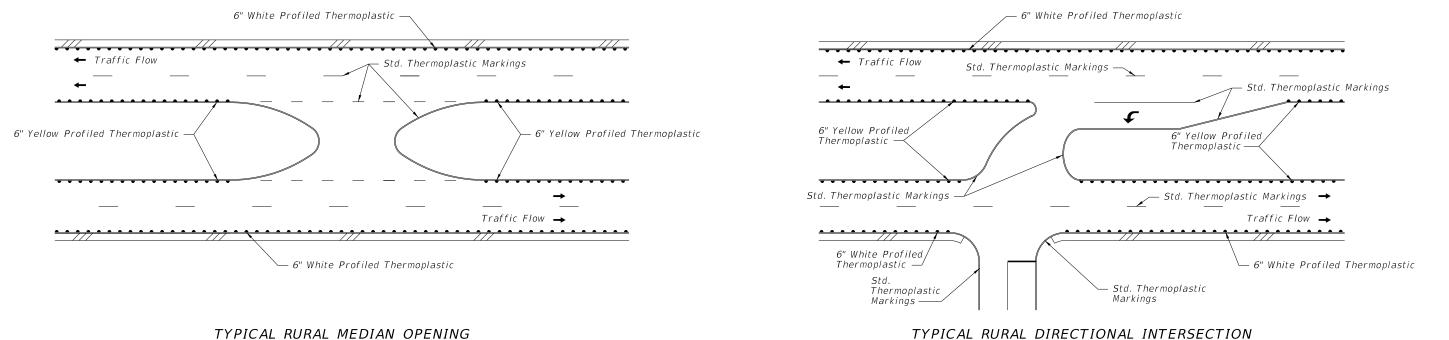
6" White Profiled

Thermoplastic

-/// ← Traffic Flow



TYPICAL RURAL INTERSECTION



TYPICAL RURAL MEDIAN OPENING

PROFILED THERMOPLASTIC MARKINGS MULTI-LANE ROADWAYS

LAST **REVISION** 01/01/16

DESCRIPTION:

FY 2016-17 DESIGN STANDARDS

SPECIAL MARKING AREAS

INDEX NO. 17346

SHEET NO. 14 of 14