Index 17352
Typical Placement of Reflective Pavement Markers

ORIGINATION

Date: 7/13/2017
Name: Ed Cashman
Phone: (850)414-4314
Email: edward.cashman@dot.state.fl.us

COMMENTARY
Sheet 1: Changed title to "Typical Placement Of Raised Pavement Markers". Changed labels. Changed Note 1 to "Raised". Deleted Note 5.
Sheet 2: Changed title to "Typical Placement Of Raised Pavement Markers". Changed labels. Deleted blowup detail.
Sheet 3: Added new sheet.
Sheet 4: Added new sheet.

COMMENTS AND RESPONSES

BLACK = Industry Review Comments **RED** = Standard Plans Response

Name: Pete Yauch, P.E.
Date: Friday, September 1, 2017 2:19 PM

COMMENT:
On new sheets 3 and 4, where RPMs are located along the radius of a median nose, the orientation of the markers should be specified – i.e., oriented toward approaching traffic, and not necessarily with the reflective faces perpendicular to the edge line or curb face.

RESPONSE:
September 13, 2017

Agree, notes have been added to these sheets and details have been revised. Changes made.

Name: Stephanie Sharp
Date: Thursday, September 14, 2017 11:26 AM

COMMENT:
Sheet 1: Alternating Skip Line detail inconsistent with 17346.

RESPONSE:
September 13, 2017
Sheet 1: This is consistent. This shows Two-Lane, Two-Way. No change made.

Index 17352
Typical Placement of Reflective Pavement Markers

Name: Karina Fuentes, P.E.
Date: Monday, September 25, 2017 5:30 PM

COMMENT:
Sheet 2: (See Markup)

a. Suggest to remove text from Direction of Travel Arrow as it is already included in the legend.
b. 12" White line in the PLACEMENT OF RPMs ON SHOULDER MARKINGS detail is in conflict with Index 711-003 Sheet 1.

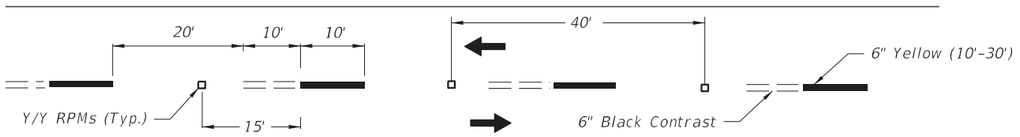
Sheet 4: Show arrow 25' for the gore area in DETAIL "G" as per Index 17346 Sheet 7. (See Markup)

RESPONSE:
September 27, 2017

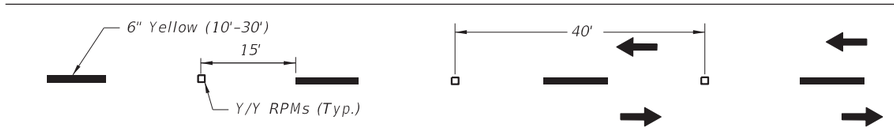
Sheet 2:

a. Agreed. Change made.
b. Agreed. Change made.

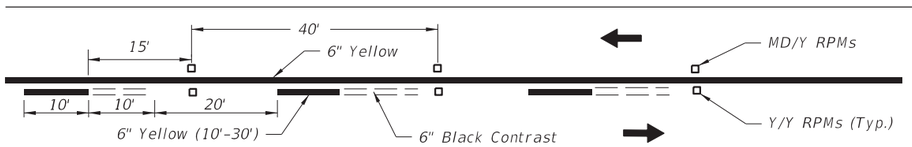
Sheet 4: Clarified that those symbols are only for illustrative purpose. Change made.



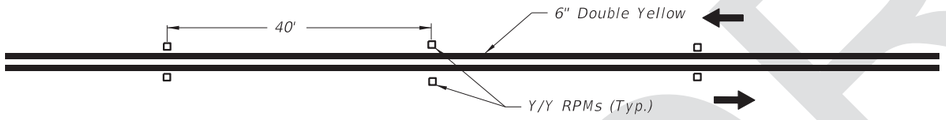
ALTERNATING SKIP LINE



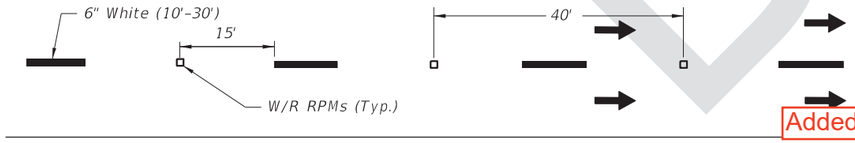
SKIP LINE



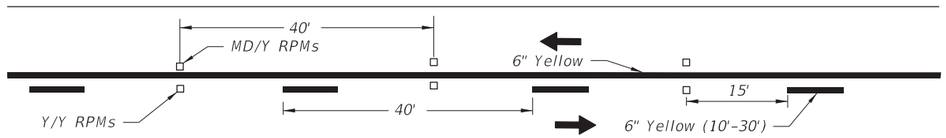
SOLID LINE WITH ALTERNATING SKIP



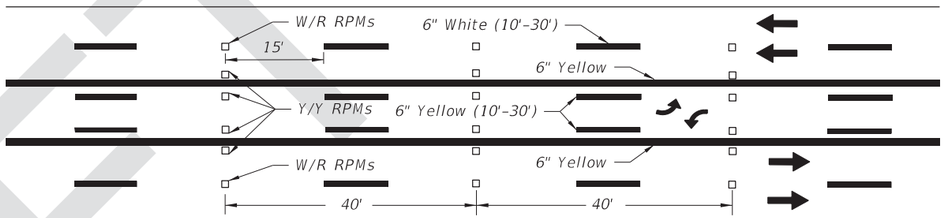
DOUBLE SOLID LINE



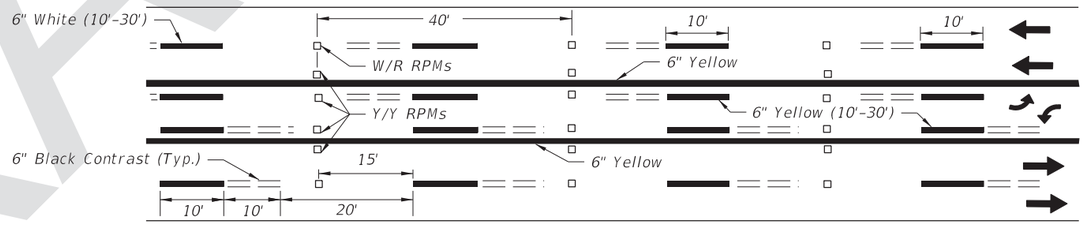
MULTILANE



SOLID LINE WITH SKIP



SKIP LINE WITH TWO-WAY LEFT TURN LANE



ALTERNATING SKIP LINE WITH TWO-WAY LEFT TURN LANE

GENERAL NOTES:

1. All RPMs shall be offset 1" from solid longitudinal lines, unless otherwise noted or shown.
2. Spacing may be reduced for sharp curves if required.
3. For placement of RPMs on ramps, see Index 711-003.

Added Note

LEGEND:

B/C = BACK OF CURB

EOP = EDGE OF PAVEMENT

RPM = RAISED PAVEMENT MARKER

W/R = WHITE/RED RPM

Y/Y = YELLOW/YELLOW RPM

Y/R = YELLOW/RED RPM

MD/Y = MONO-DIRECTIONAL YELLOW RPM

~~= INDICATES DIRECTION OF TRAFFIC FLOW~~

Deleted All and Replaced with Direction of Travel Arrow

DRAFT

8/23/2017 3:37:30 PM

LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2018-19 STANDARD PLANS	TYPICAL PLACEMENT OF RAISED PAVEMENT MARKERS	INDEX	SHEET
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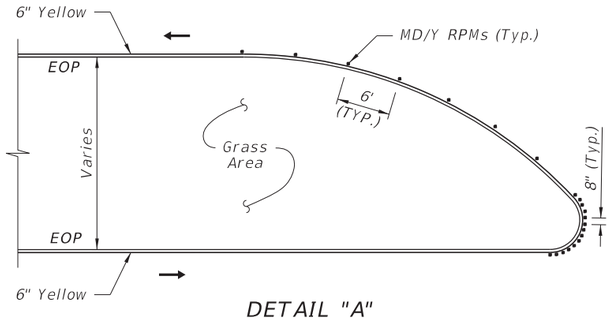
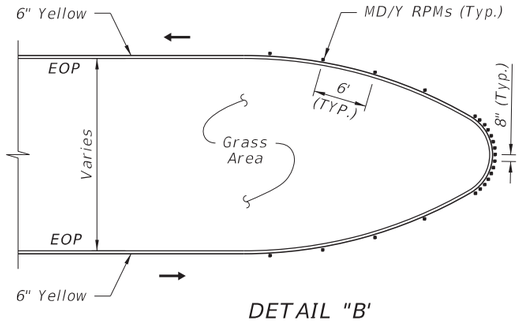
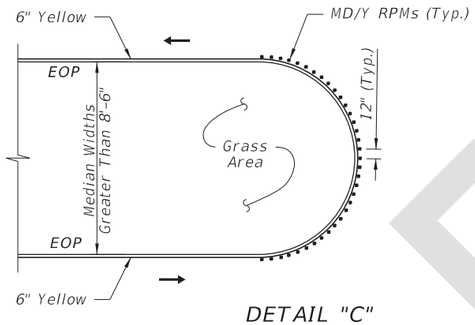


DETAIL "A"

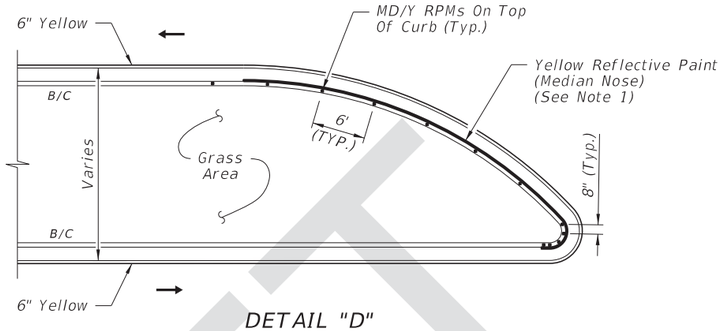


DETAIL "B"

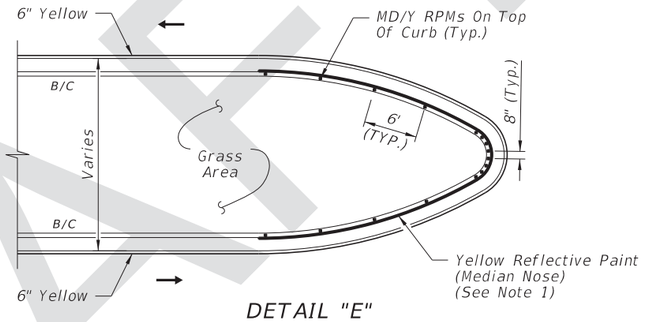


DETAIL "C"

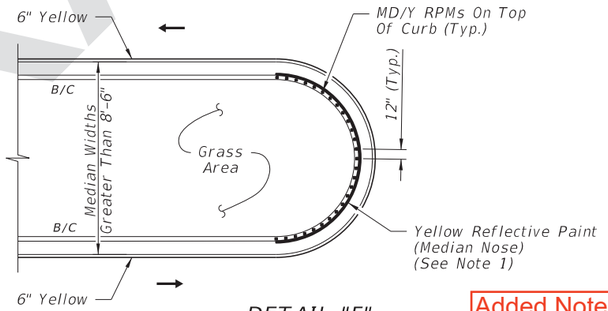
FLUSH MEDIAN OPENINGS



DETAIL "D"



DETAIL "E"



DETAIL "F"

TYPE "D" OR "F" CURB

Added Nose Detail

POSTED SPEED LIMIT MPH	"Y" FEET
30 OR LESS	10
35	20
40	20
45	30
50 OR MORE	40

LEGEND:

B/C = BACK OF CURB

EOP = EDGE OF PAVEMENT

RPM = RAISED PAVEMENT MARKER

W/R = WHITE/RED RPM

Y/Y = YELLOW/YELLOW RPM

Y/R = YELLOW/RED RPM

MD/Y = MONO-DIRECTIONAL YELLOW RPM

→ = INDICATES DIRECTION OF TRAFFIC FLOW

NOTES:

1. Furnish and install reflective paint on the face of curb for the limits shown in the above details.
2. For Type "E" Curb, install RPMs along the pavement edge marking using the same spacing shown.

Added Note 3 to clarify RPMs orientation along the radius of the median nose

PLACEMENT OF RPMS AT MEDIAN OPENINGS

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LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2018-19 STANDARD PLANS	TYPICAL PLACEMENT OF RAISED PAVEMENT MARKERS	INDEX	SHEET
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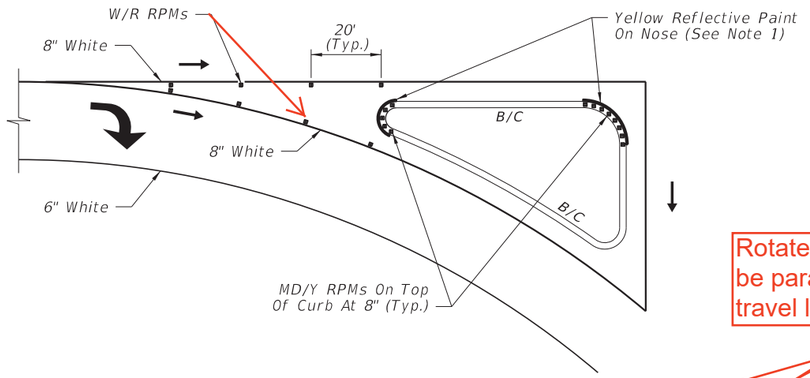
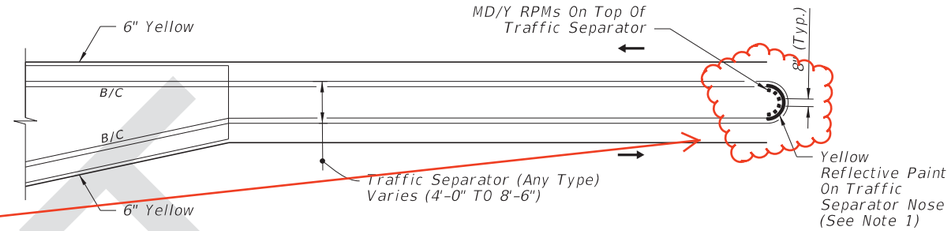
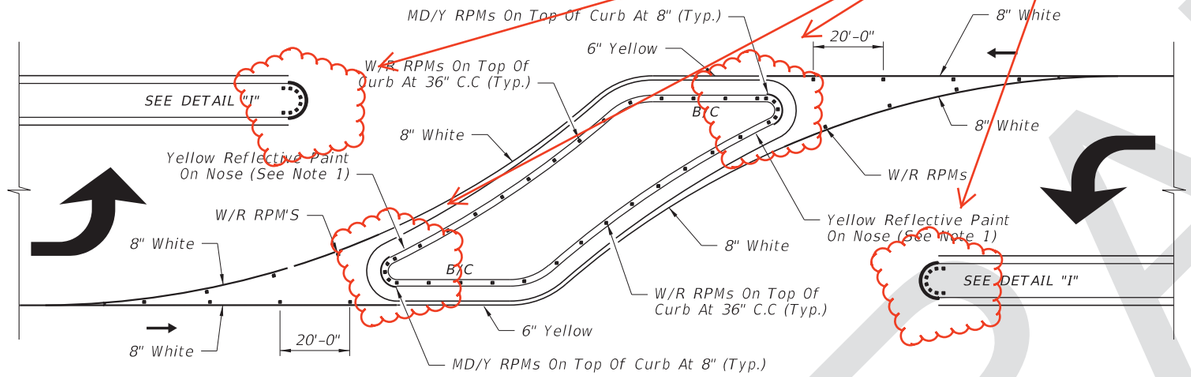


DETAIL "G"



DETAIL 'I'

Rotated RPMs to be parallel to the travel lnaes



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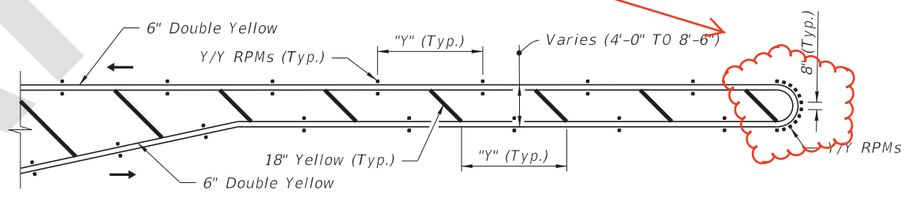

DETAIL "J"

PLACEMENT OF RPMS AT ISLANDS

POSTED SPEED LIMIT MPH	"Y" FEET
30 OR LESS	10
35	20
40	20
45	30
50 OR MORE	40

Added Note 3 to clarify RPMs orientation along the radius of the median nose

NOTES:

1. Furnish and install reflective paint on the face of curb for the limits shown in the above details.
2. For Type "E" Curb install RPMs along the pavement edge marking using the same spacing shown.

PLACEMENT OF RPMS AT TRAFFIC SEPARATORS

LEGEND:

B/C = BACK OF CURB

EOP = EDGE OF PAVEMENT

RPM = RAISED PAVEMENT MARKER

W/R = WHITE/RED RPM

Y/Y = YELLOW/YELLOW RPM

Y/R = YELLOW/RED RPM

MD/Y = MONO-DIRECTIONAL YELLOW RPM

→ = INDICATES DIRECTION OF TRAFFIC FLOW

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8/23/2017 3:37:31 PM

LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2018-19 STANDARD PLANS	TYPICAL PLACEMENT OF RAISED PAVEMENT MARKERS	INDEX	SHEET
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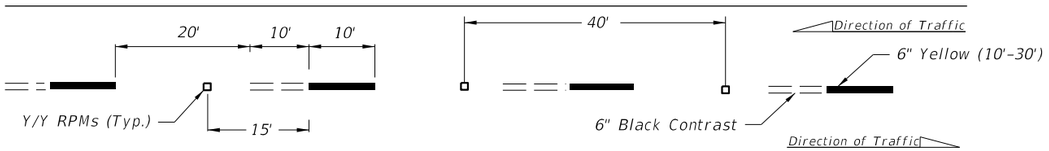
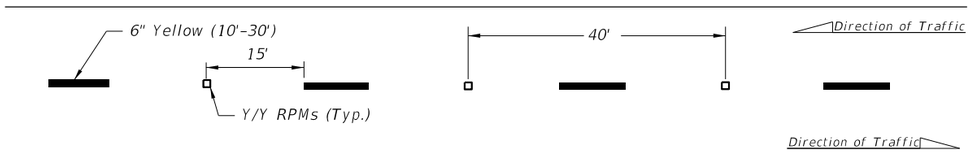
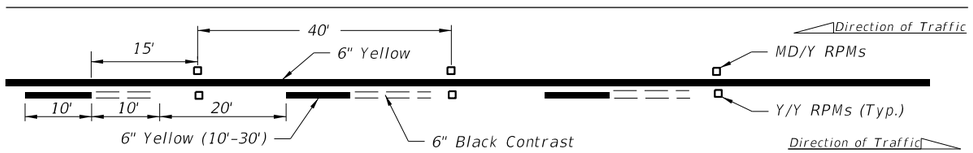


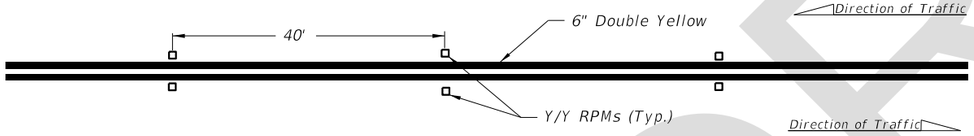
ALTERNATING SKIP LINE



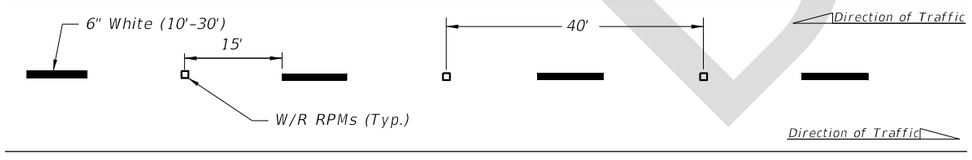
SKIP LINE



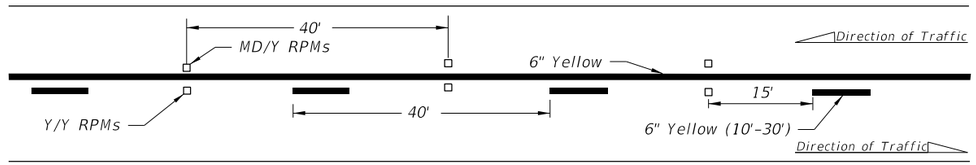
SOLID LINE WITH ALTERNATING SKIP



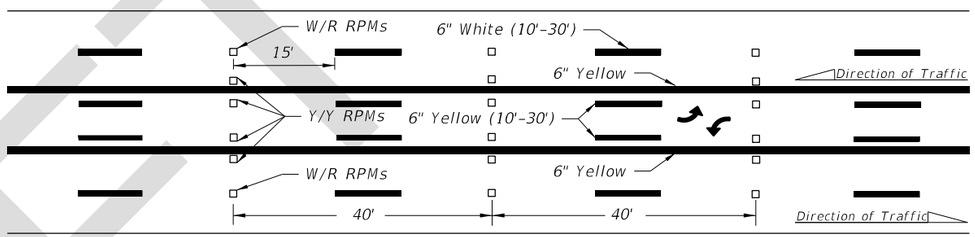
DOUBLE SOLID LINE



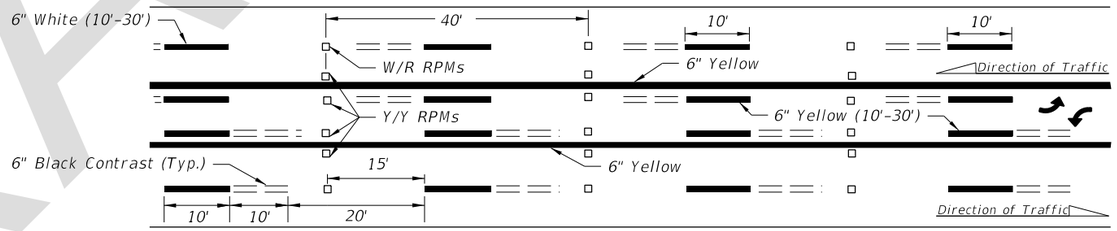
MULTILANE



SOLID LINE WITH SKIP



SKIP LINE WITH TWO-WAY LEFT TURN LANE



ALTERNATING SKIP LINE WITH TWO-WAY LEFT TURN LANE

GENERAL NOTES:

1. Offset all RPMs 1" from solid longitudinal lines unless otherwise noted or shown.
2. Spacing may be reduced for sharp curves if required.
3. For placement of RPMs on ramps, see Index 711-003.
4. Make the traffic face of the RPM the same color as the pavement marking that it is supplementing.

LEGEND:

B/C = BACK OF CURB

EOP = EDGE OF PAVEMENT

RPM = RAISED PAVEMENT MARKER

W/R = WHITE/RED RPM

Y/Y = YELLOW/YELLOW RPM

Y/R = YELLOW/RED RPM

MD/Y = MONO-DIRECTIONAL YELLOW RPM

DRAFT

9:53:28 AM

9/28/2017

LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2018-19 STANDARD PLANS	TYPICAL PLACEMENT OF RAISED PAVEMENT MARKERS	INDEX	SHEET
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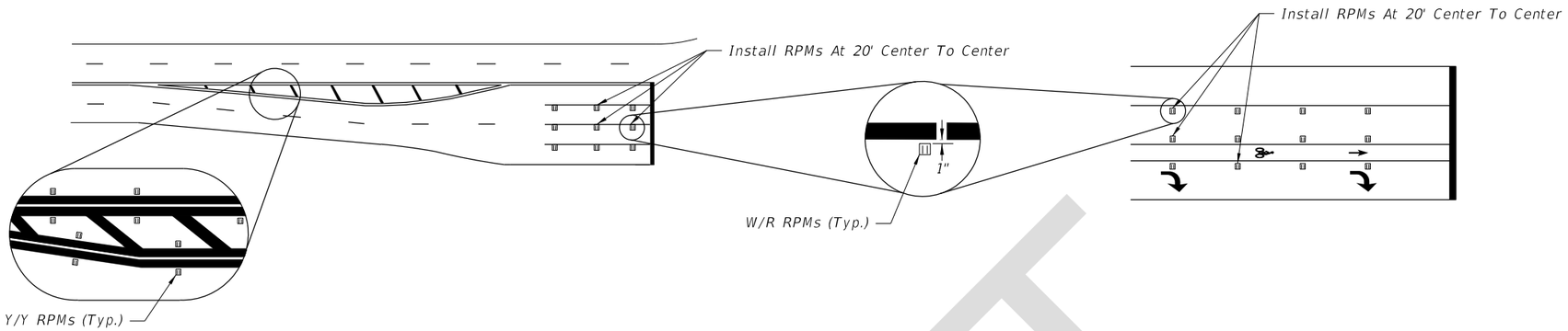
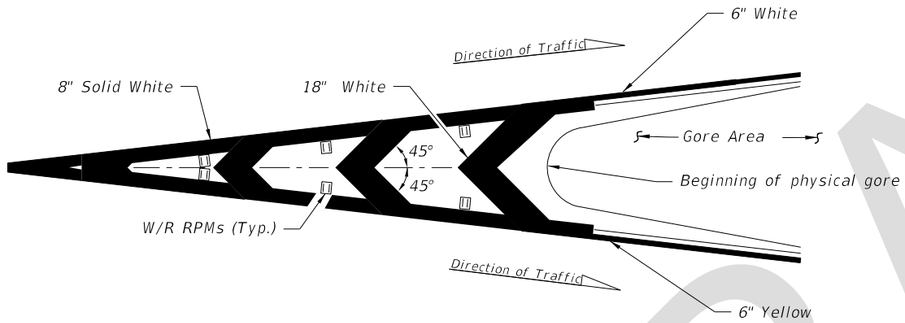
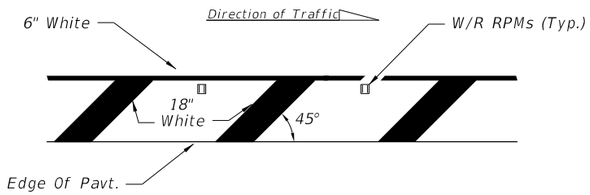


RPM PLACEMENT AT INTERSECTIONS

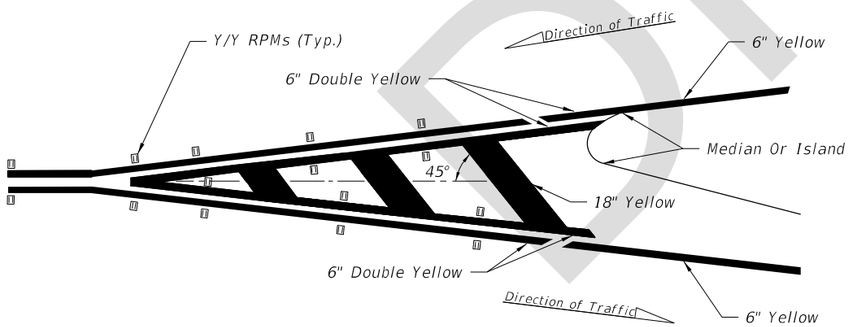


RPM PLACEMENT AT TRAFFIC CHANNELIZATION AT GORE
(Traffic Flows In Same Direction)



Right side of the roadway shown. For the left side of roadway, the pavement marking is yellow and oriented opposite hand.

RPM PLACEMENT AT ROADSIDE CROSSHATCHING



RPM PLACEMENT AT TRAFFIC SEPARATION
(Traffic Flows In Opposite Direction)

NOTE:

1. Center the Raised Pavement Markers between chevrons and crosshatching.

LEGEND:

B/C = BACK OF CURB

EOP = EDGE OF PAVEMENT

RPM = RAISED PAVEMENT MARKER

W/R = WHITE/RED RPM

Y/Y = YELLOW/YELLOW RPM

Y/R = YELLOW/RED RPM

MD/Y = MONO-DIRECTIONAL YELLOW RPM

DRAFT

9:53:29 AM

9/28/2017

LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2018-19 STANDARD PLANS	TYPICAL PLACEMENT OF RAISED PAVEMENT MARKERS	INDEX	SHEET
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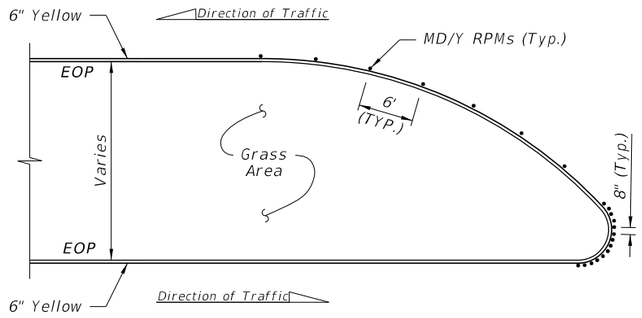
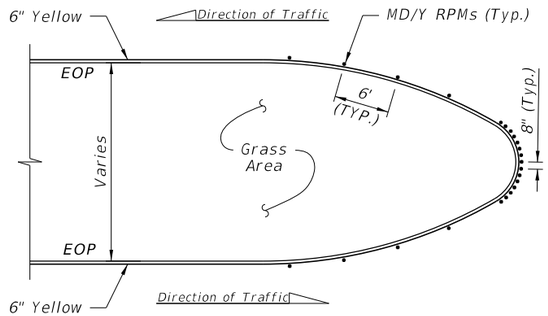
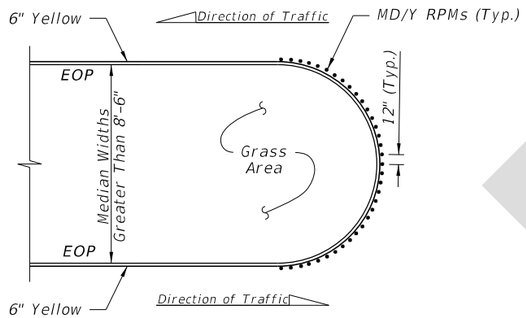


DETAIL "A"

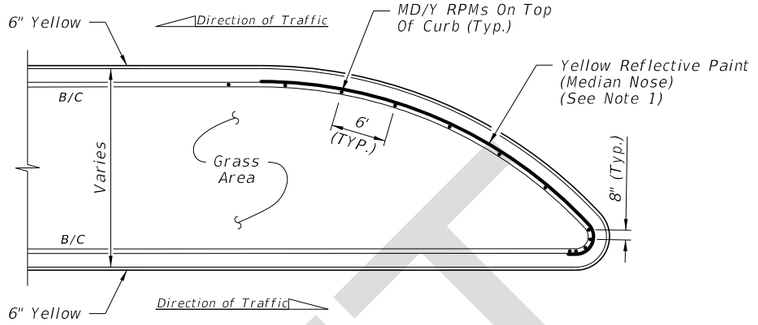


DETAIL "B"



DETAIL "C"

FLUSH MEDIAN OPENINGS



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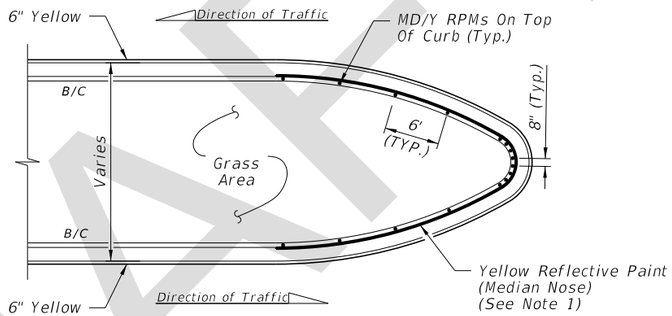

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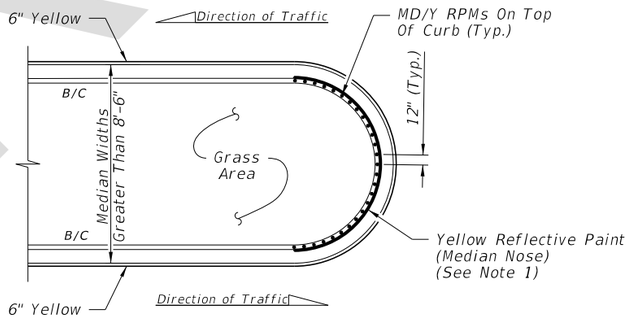
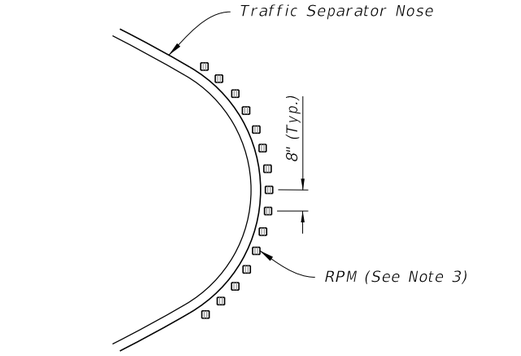


DETAIL "F"

TYPE "D" OR "F" CURB



RPM PLACEMENT DETAIL

POSTED SPEED LIMIT MPH	"Y" FEET
30 OR LESS	10
35	20
40	20
45	30
50 OR MORE	40

LEGEND:

B/C = BACK OF CURB

EOP = EDGE OF PAVEMENT

RPM = RAISED PAVEMENT MARKER

W/R = WHITE/RED RPM

Y/Y = YELLOW/YELLOW RPM

Y/R = YELLOW/RED RPM

MD/Y = MONO-DIRECTIONAL YELLOW RPM

NOTES:

1. Furnish and install reflective paint on the face of curb for the limits shown in the above details.
2. For Type "E" Curb, install RPMs along the pavement edge marking using the same spacing shown.
3. Orient traffic faces of RPMs in curb median radii to be parallel to direction of travel lanes.

RPM PLACEMENT AT MEDIAN OPENINGS

DRAFT

9:53:29 AM

9/28/2017

LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2018-19 STANDARD PLANS	TYPICAL PLACEMENT OF RAISED PAVEMENT MARKERS	INDEX	SHEET
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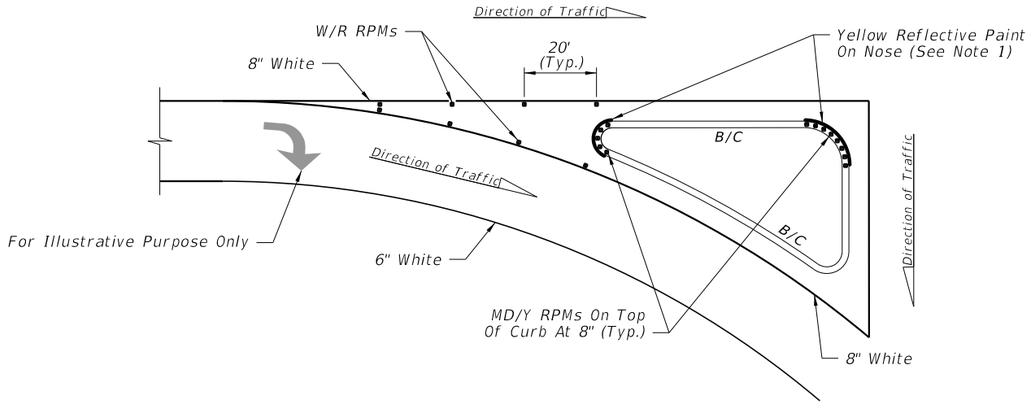
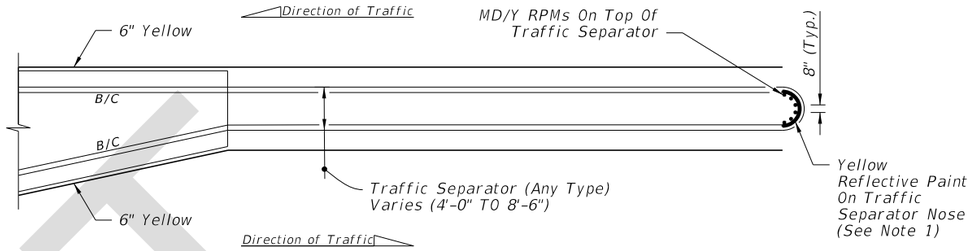
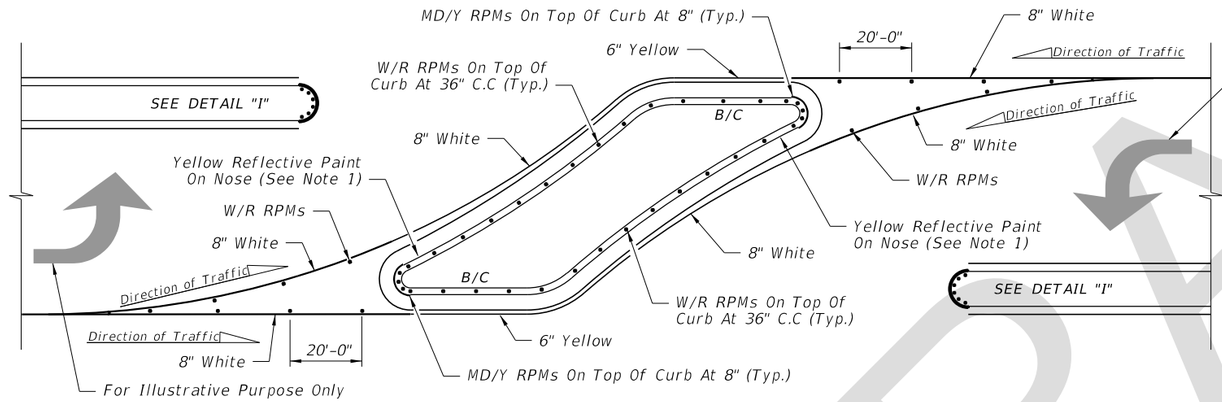


DETAIL "G"



DETAIL "I"



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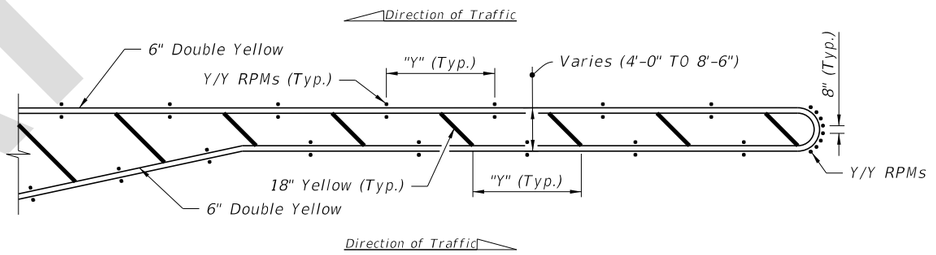

DETAIL "J"

RPM PLACEMENT AT ISLANDS

POSTED SPEED LIMIT MPH	"Y" FEET
30 OR LESS	10
35	20
40	20
45	30
50 OR MORE	40

NOTES:

1. Furnish and install reflective paint on the face of curb for the limits shown in the above details.
2. For Type "E" Curb install RPMs along the pavement edge marking using the same spacing shown.
3. Orient traffic faces of RPMs in median radii to be parallel to direction of travel lanes.

RPM PLACEMENT AT TRAFFIC SEPARATORS

LEGEND:

B/C = BACK OF CURB

EOP = EDGE OF PAVEMENT

RPM = RAISED PAVEMENT MARKER

W/R = WHITE/RED RPM

Y/Y = YELLOW/YELLOW RPM

Y/R = YELLOW/RED RPM

MD/Y = MONO-DIRECTIONAL YELLOW RPM

DRAFT

9:53:30 AM

9/28/2017

LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2018-19 STANDARD PLANS	TYPICAL PLACEMENT OF RAISED PAVEMENT MARKERS	INDEX	SHEET
11/01/17						706-001	4 of 4