

ORIGINATION FORM

Proposed Revisions to a Design Standards Index
(Please provide all information – Incomplete forms will be returned)

Contact Information:

Date: July 13, 2017
Originator: **Ed Cashman**
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Email: edward.cashman@dot.state.fl.us

Design Standards:

Index Number: **17352**
Sheet Number (s): ALL SHEETS
Index Title: Typical Placement of Reflective Pavement Markers

Summary of the changes:

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.

Commentary / Background:

Minor cleanup work and added new sheets with details of raised pavement markers at median openings.

Other Affected Offices / Documents: (Provide name of responsible personnel)

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Design Standards –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Plans Preparation Manual –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Basis of Estimates Manual –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Standard Specifications –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Approved Product List –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Construction –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Maintenance –

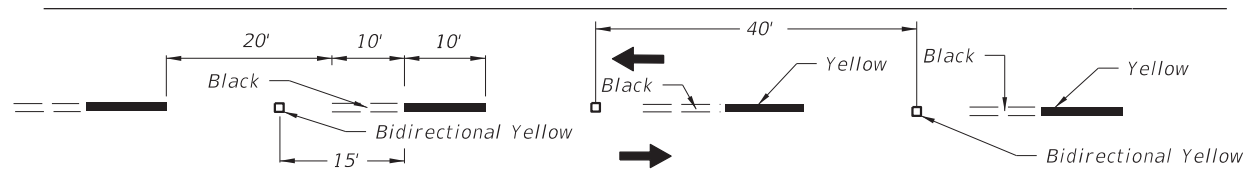
Origination Package Includes: (Email or hand deliver package to Derwood Sheppard)

Yes	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Redline Mark-ups
<input type="checkbox"/>	<input type="checkbox"/>	Proposed IDS
<input type="checkbox"/>	<input type="checkbox"/>	Revised IDS
<input type="checkbox"/>	<input type="checkbox"/>	Other Support Documents

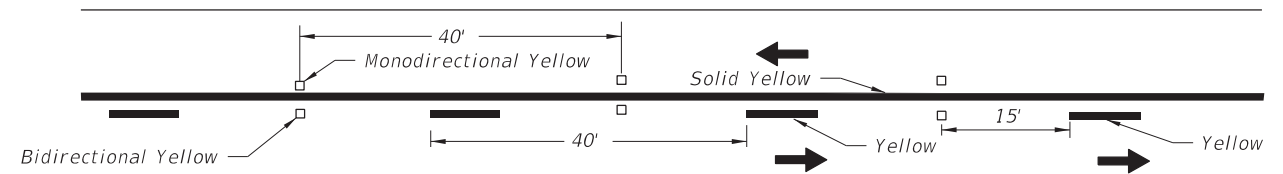
Implementation:

Design Bulletin (DSR) DCE Memo Program Mgmt. Bulletin Design Standards e-Booklet (Next Release)

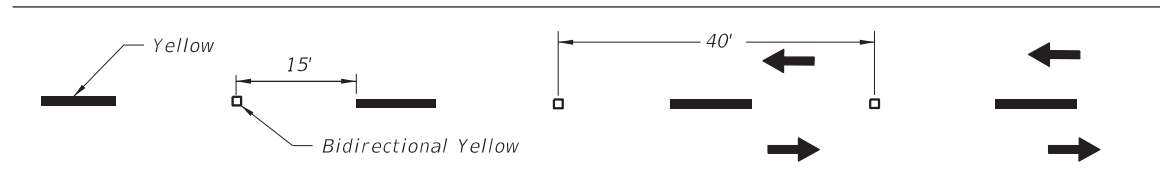
Contact the Roadway Design Office for assistance in completing this form



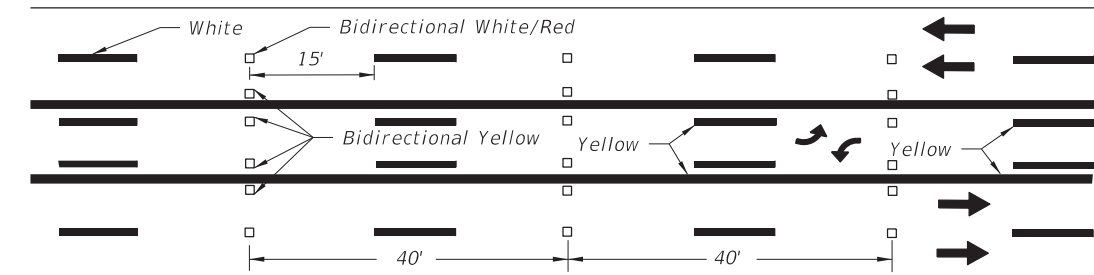
ALTERNATING SKIP LINE



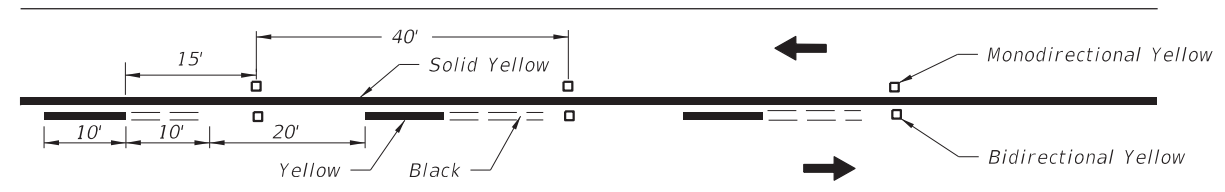
SOLID LINE WITH SKIP



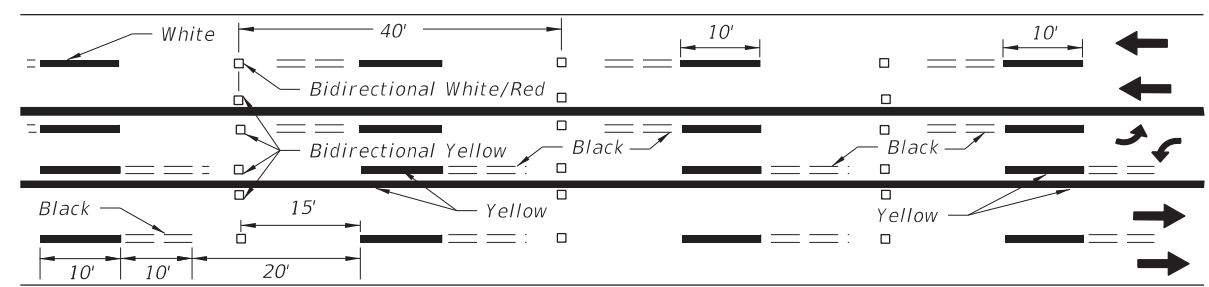
SKIP LINE



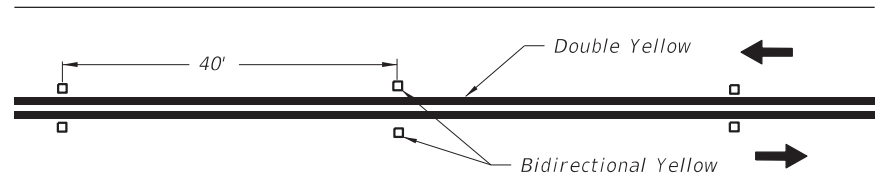
SKIP LINE WITH TWO-WAY LEFT TURN LANE



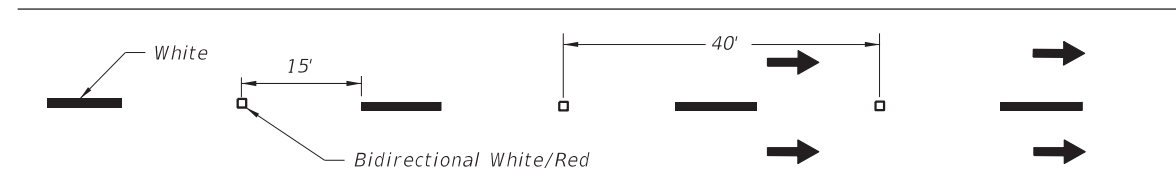
SOLID LINE WITH ALTERNATING SKIP



ALTERNATING SKIP LINE WITH TWO-WAY LEFT TURN LANE



DOUBLE SOLID LINE



MULTILANE

Raised

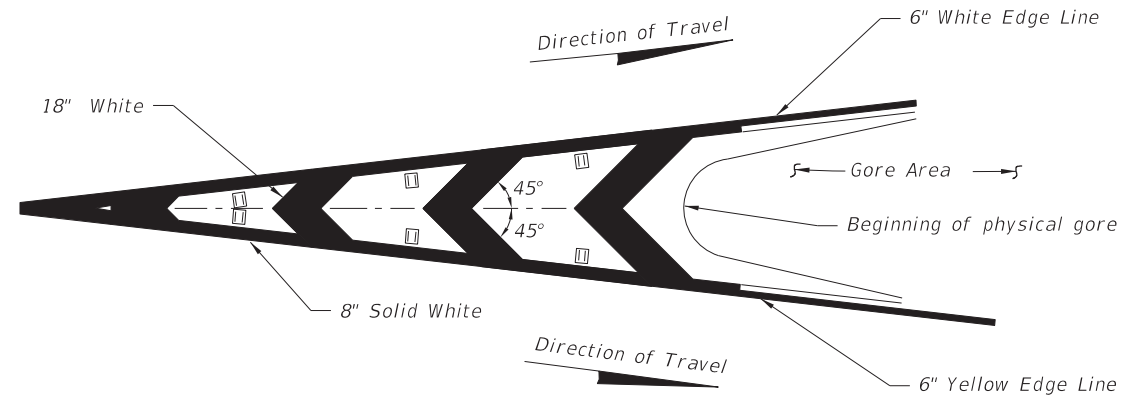
1. ~~Reflective~~ Pavement Markers shall be spaced at 40' on all skip lane lines and skip center lines. This spacing may be reduced to 20' if specifically called for in the plans.
2. The spacing on solid lines and solid/skip combination lines shall be 40'.
3. All RPM's shall be offset 1" from solid longitudinal lines.
4. These spacings may be reduced for sharp curves if required.
5. All RPM's shall be class "B".

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LAST REVISION 01/01/10	REVISION	DESCRIPTION: 11/01/17	 FY 2017-18 DESIGN STANDARDS	RAISED 706-001 TYPICAL PLACEMENT OF REFLECTIVE PAVEMENT MARKERS	INDEX NO. 17352	SHEET NO. 1 of 2 1 of 4
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NOTES

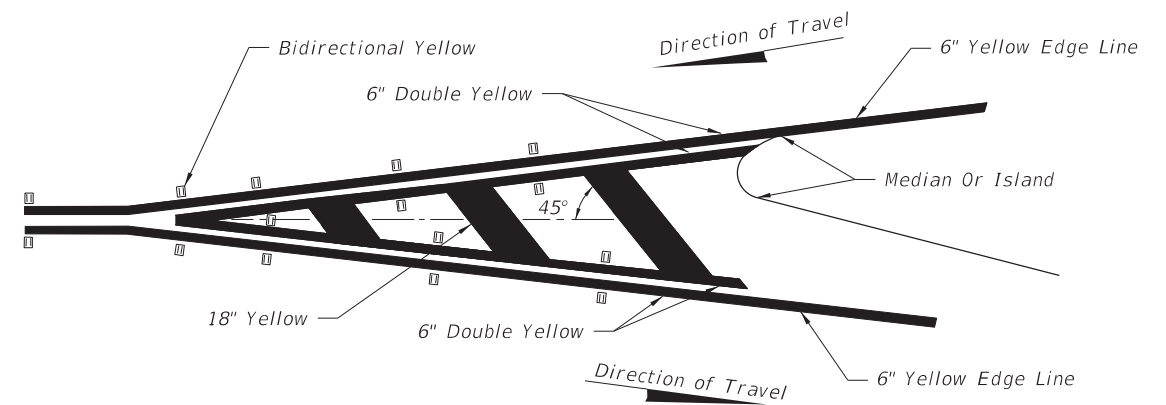
1. Set Raised Pavement Markers 1" from line.
2. Center the Raised Pavement Markers between chevrons.



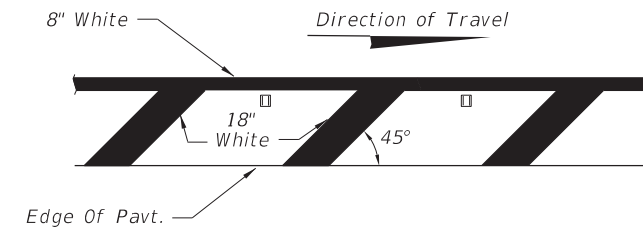
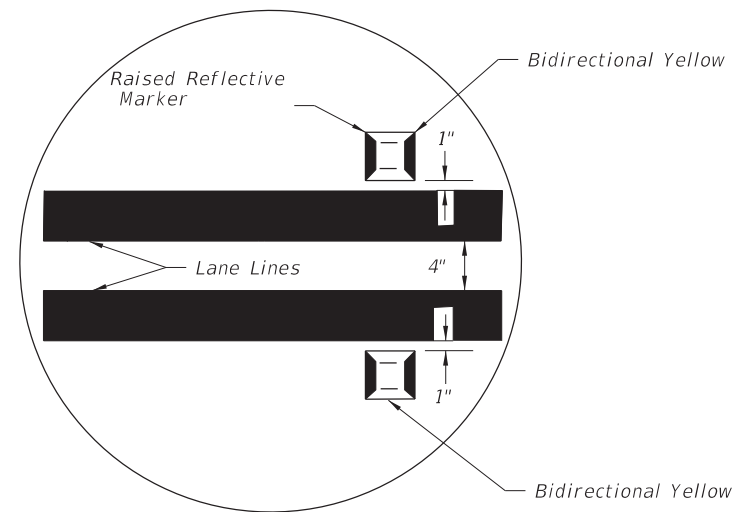
RPM PLACEMENT FOR TRAFFIC CHANNELIZATION AT GORE
(TRAFFIC FLOWS IN SAME DIRECTION)

NOTE

Raised pavement markers (Bidirectional White/Red) should be used in all gores of this type



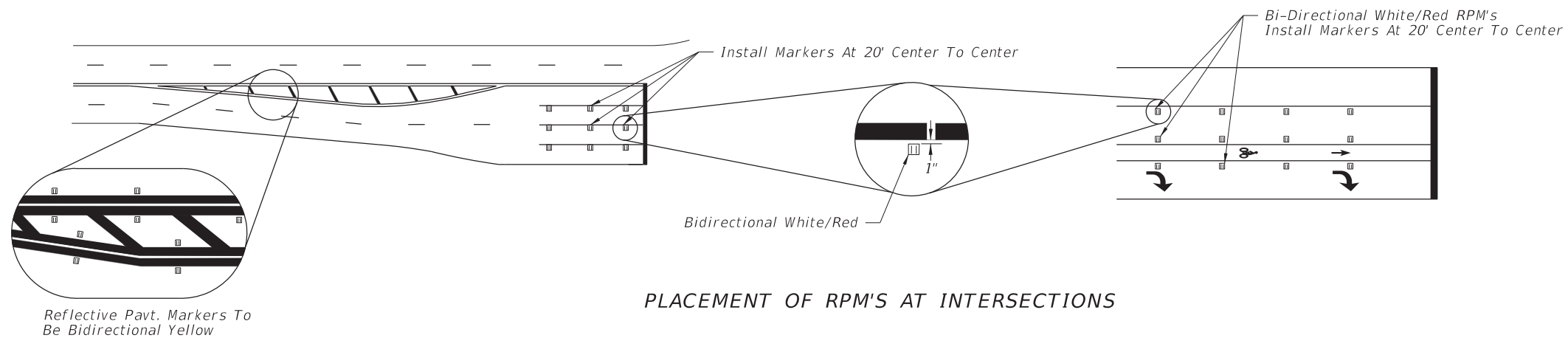
RPM PLACEMENT FOR TRAFFIC SEPARATION
(TRAFFIC FLOWS IN OPPOSITE DIRECTION)



PLACEMENT OF RPM'S ON SHOULDER MARKINGS

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

For Placement Of RPM's On Ramps See Index 17345.



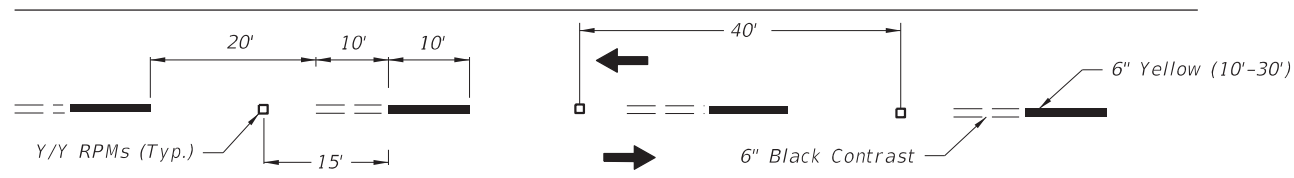
PLACEMENT OF RPM'S AT INTERSECTIONS

10/14/2016 8:41:53 AM

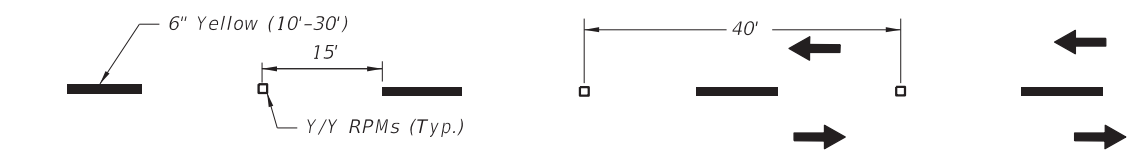
LAST REVISION	11/01/17		FY 2017-18 DESIGN STANDARDS	<div style="border: 1px solid red; padding: 2px;">RAISED</div> TYPICAL PLACEMENT OF REFLECTIVE PAVEMENT MARKERS	INDEX NO.	706-001	2 of 4
REVISION	07/01/15		17352		2 of 2		

NEW SHEET

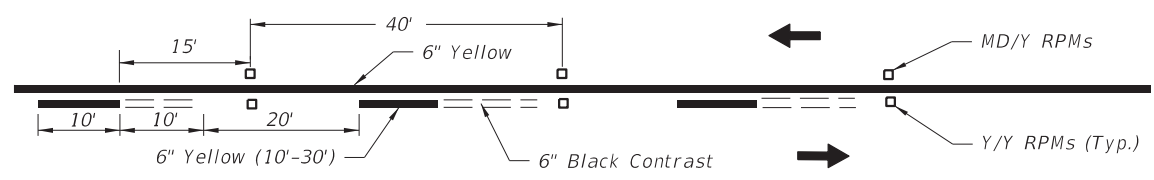
SHEETS 3 AND 4



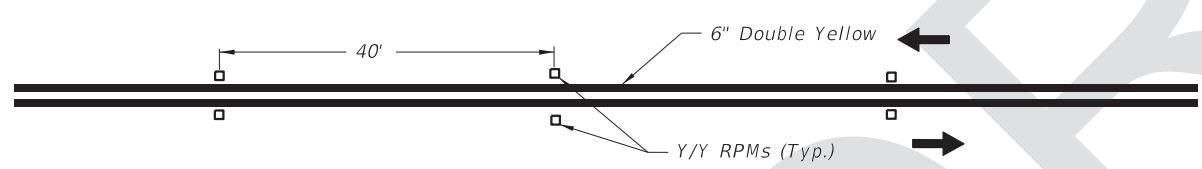
ALTERNATING SKIP LINE



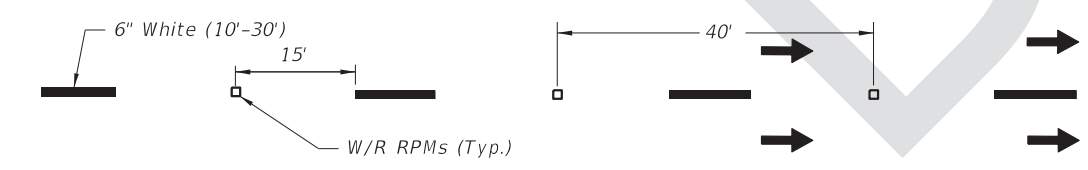
SKIP LINE



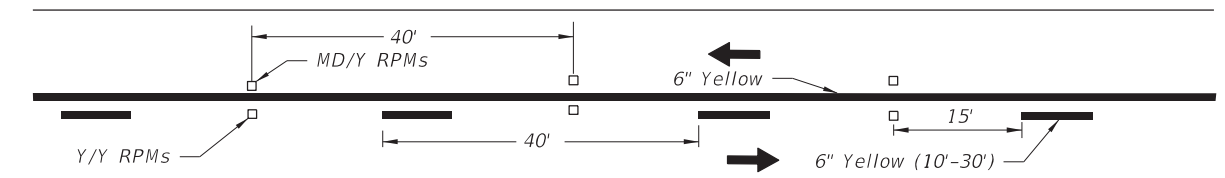
SOLID LINE WITH ALTERNATING SKIP



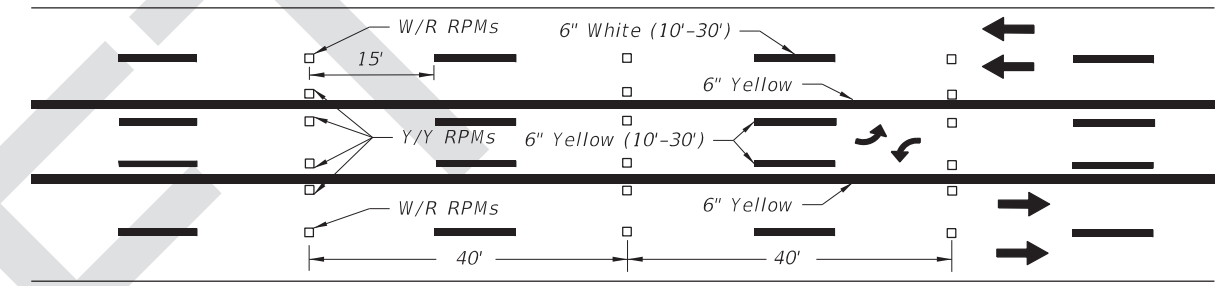
DOUBLE SOLID LINE



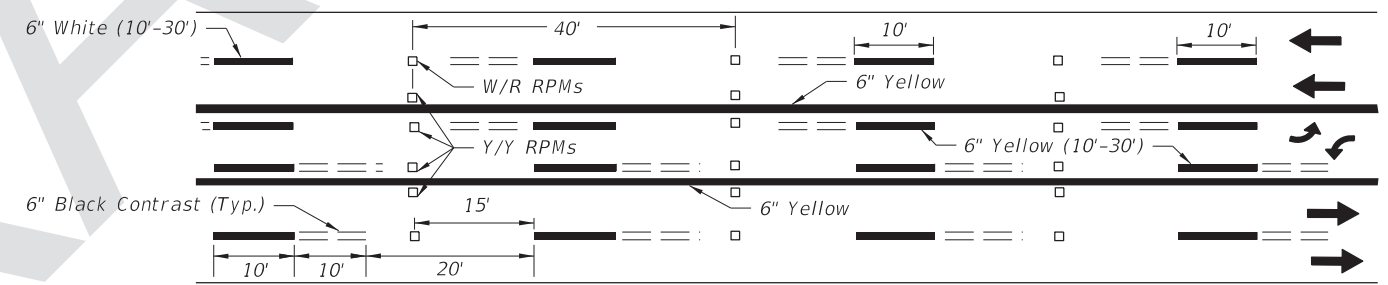
MULTILANE



SOLID LINE WITH SKIP



SKIP LINE WITH TWO-WAY LEFT TURN LANE



ALTERNATING SKIP LINE WITH TWO-WAY LEFT TURN LANE


GENERAL NOTES:

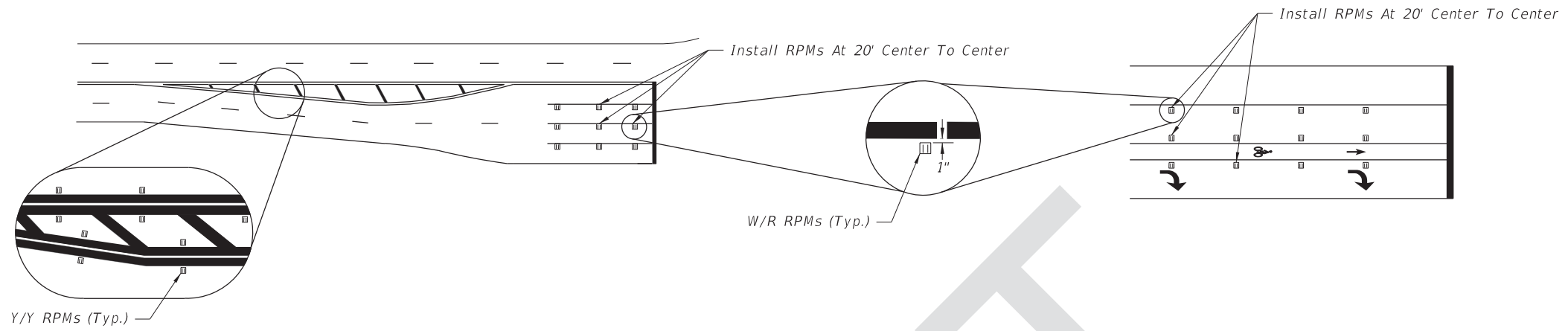
1. All RPMs shall be offset 1" from solid longitudinal lines, unless otherwise noted or shown.
2. Spacing may be reduced for sharp curves if required.
3. For placement of RPMs on ramps, see Index 711-003.

LEGEND:

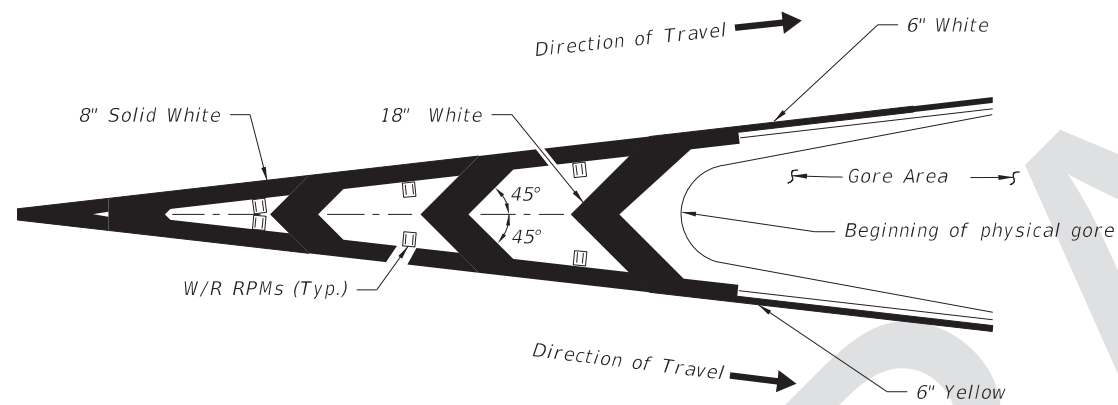
- B/C = BACK OF CURB
- EOP = EDGE OF PAVEMENT
- RPM = RAISED PAVEMENT MARKER
- W/R = WHITE/RED RPM
- Y/Y = YELLOW/YELLOW RPM
- Y/R = YELLOW/RED RPM
- MD/Y = MONO-DIRECTIONAL YELLOW RPM
- = INDICATES DIRECTION OF TRAFFIC FLOW

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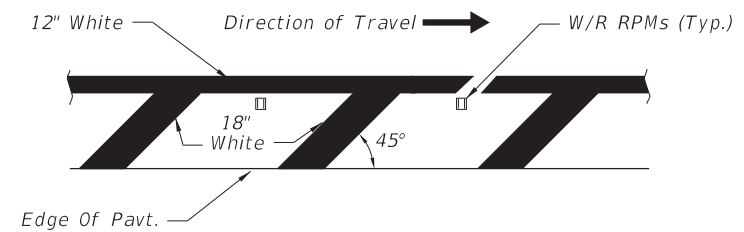
LAST REVISION 11/01/17	REVISION	DESCRIPTION:	 FY 2018-19 STANDARD PLANS	TYPICAL PLACEMENT OF RAISED PAVEMENT MARKERS	INDEX 706-001	SHEET 1 of 4
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PLACEMENT OF RPMs AT INTERSECTIONS

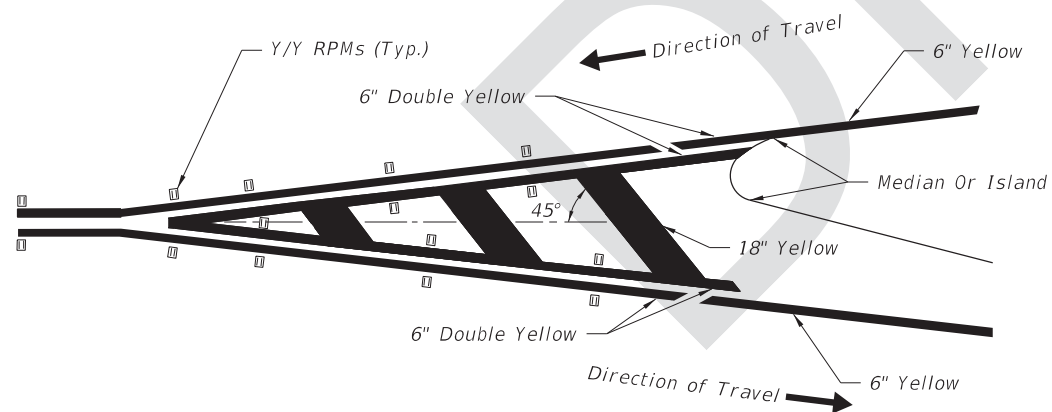


RPM PLACEMENT FOR TRAFFIC CHANNELIZATION AT GORE
(Traffic Flows In Same Direction)



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

PLACEMENT OF RPMs ON SHOULDER MARKINGS



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


NOTE:

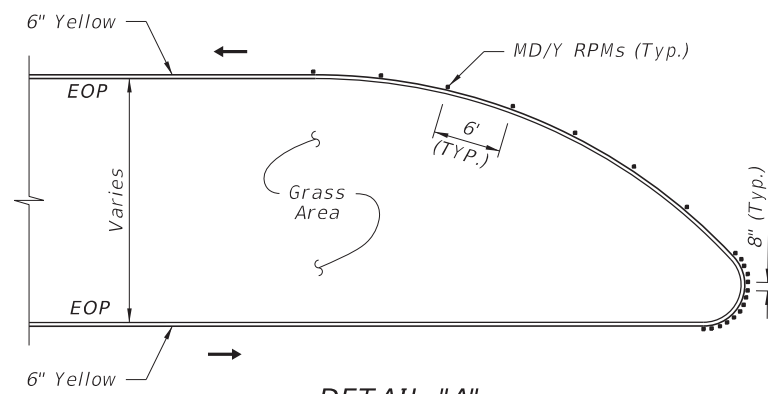
1. Center the Raised Pavement Markers between chevrons.

LEGEND:

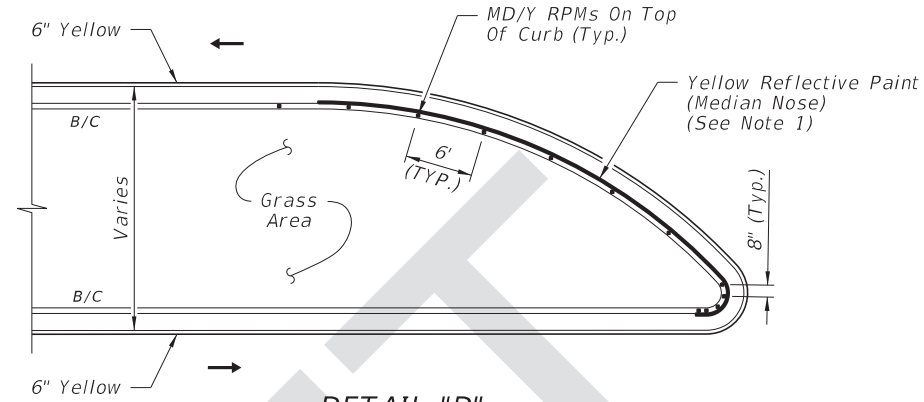
- B/C = BACK OF CURB
- EOP = EDGE OF PAVEMENT
- RPM = RAISED PAVEMENT MARKER
- W/R = WHITE/RED RPM
- Y/Y = YELLOW/YELLOW RPM
- Y/R = YELLOW/RED RPM
- MD/Y = MONO-DIRECTIONAL YELLOW RPM
- = INDICATES DIRECTION OF TRAFFIC FLOW

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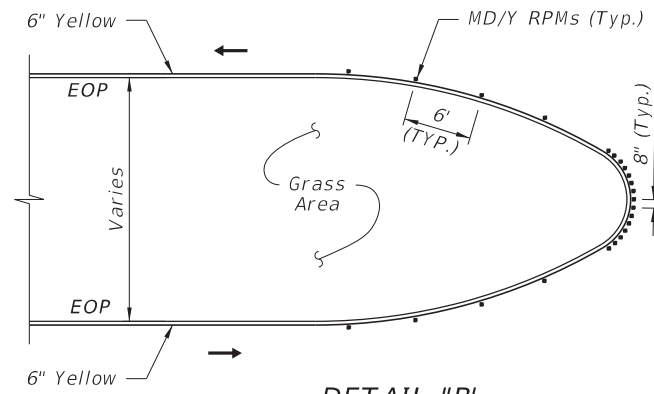
LAST REVISION 11/01/17	REVISION	DESCRIPTION:	 FY 2018-19 STANDARD PLANS	TYPICAL PLACEMENT OF RAISED PAVEMENT MARKERS	INDEX 706-001	SHEET 2 of 4
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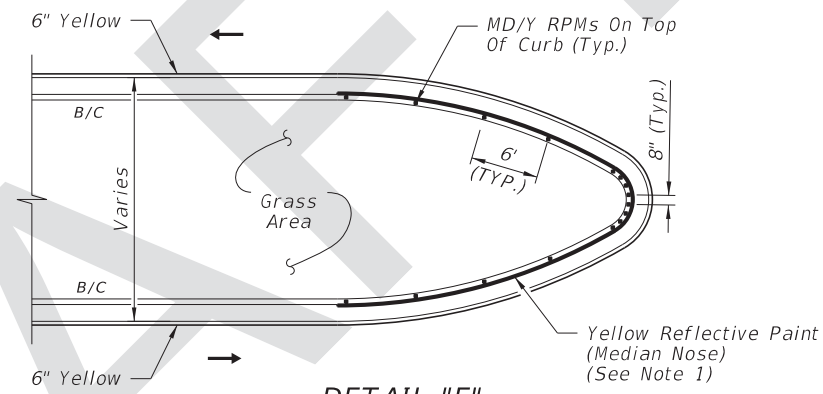
DETAIL "A"



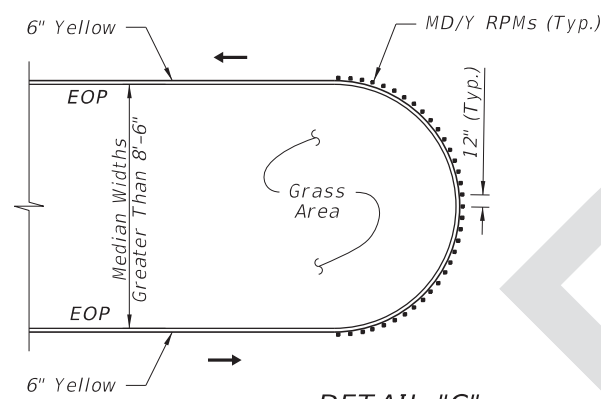
DETAIL "D"



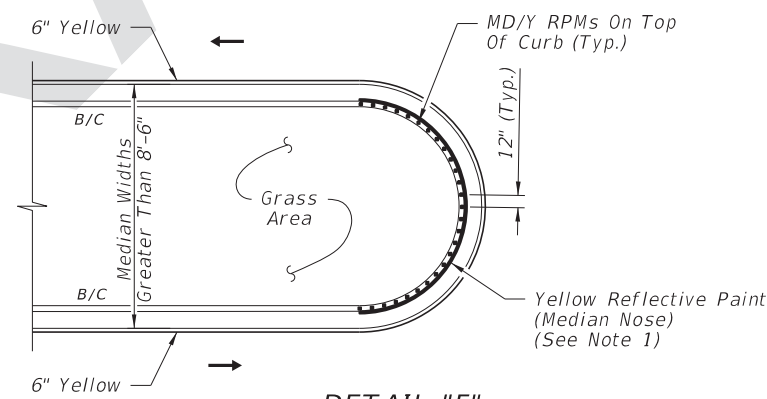
DETAIL "B"



DETAIL "E"



DETAIL "C"



DETAIL "F"

FLUSH MEDIAN OPENINGS

TYPE "D" OR "F" CURB

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

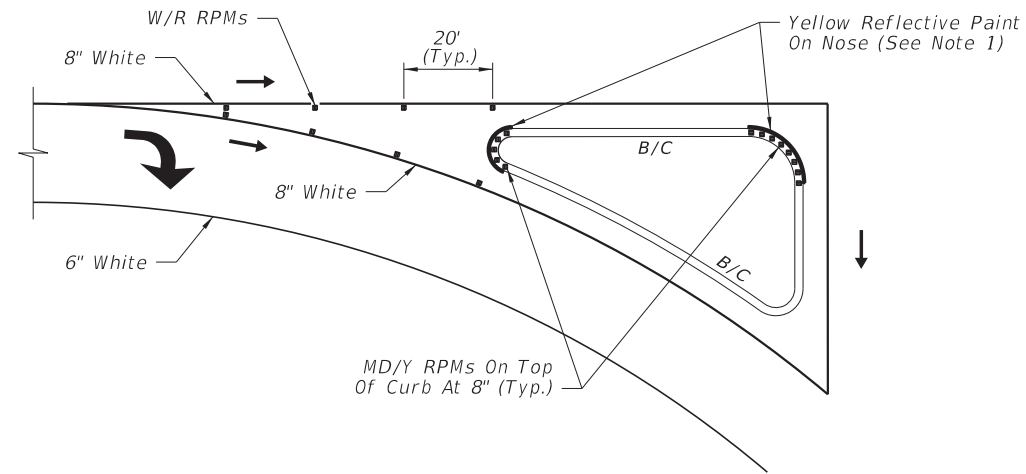
NOTES:

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.

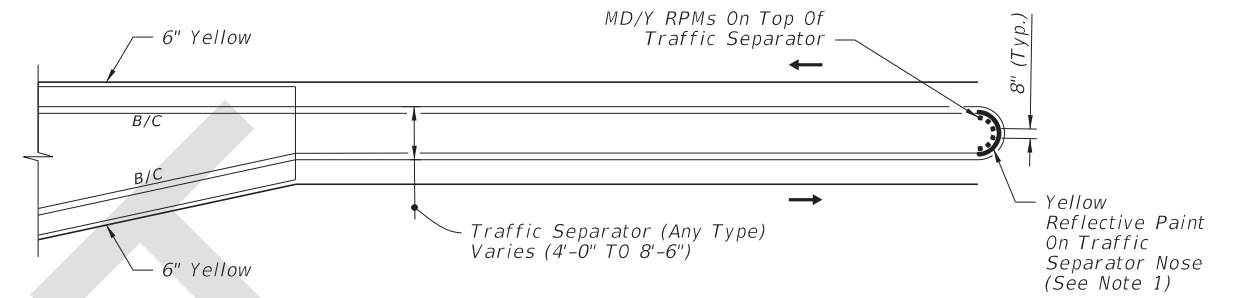
PLACEMENT OF RPMS AT MEDIAN OPENINGS

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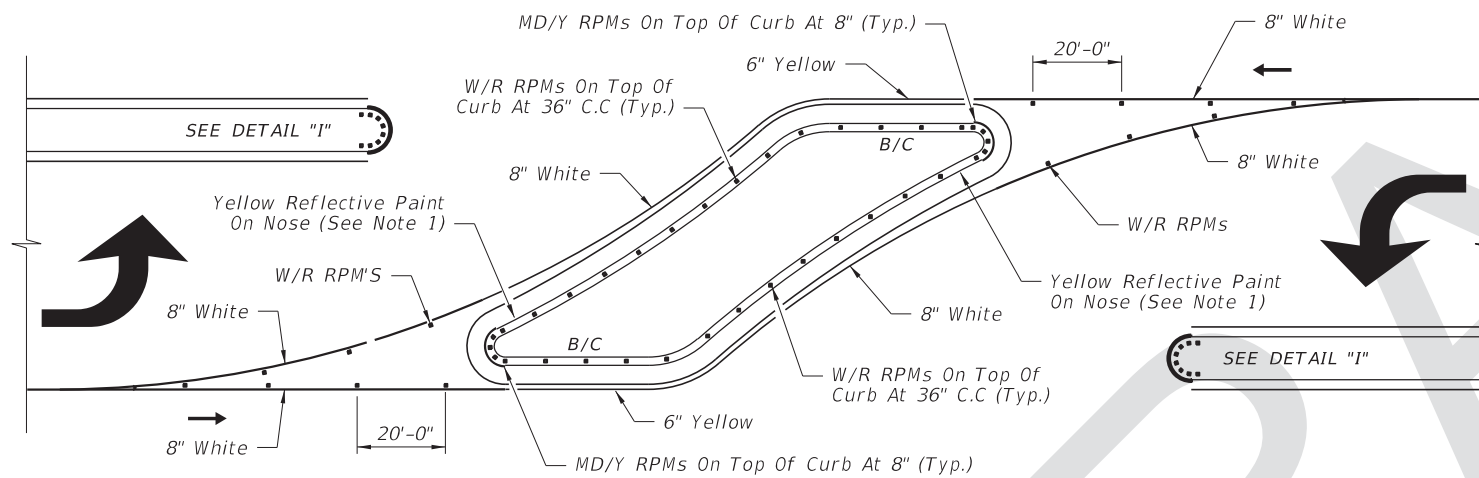
LAST REVISION 11/01/17	REVISION	DESCRIPTION:		FY 2018-19 STANDARD PLANS	TYPICAL PLACEMENT OF RAISED PAVEMENT MARKERS	INDEX 706-001	SHEET 3 of 4
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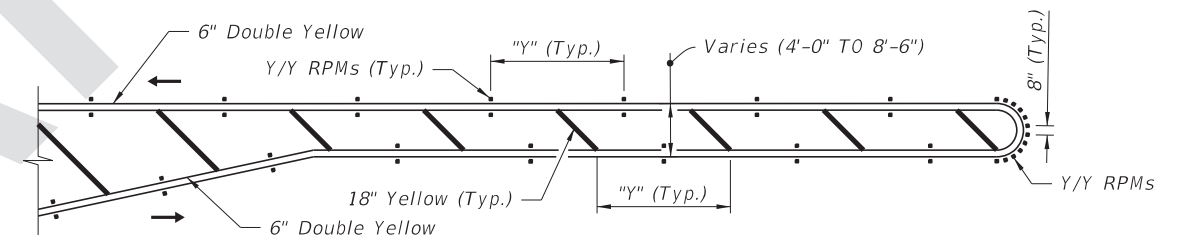
DETAIL "G"



DETAIL "I"



DETAIL "H"



DETAIL "J"

PLACEMENT OF RPMS AT ISLANDS

PLACEMENT OF RPMS AT TRAFFIC SEPARATORS

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.

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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