

# PART 3

## MARKINGS

### CHAPTER 3A. GENERAL

#### Section 3A.01 Standardization of Application

**Support:**

01 Markings are used to supplement other traffic control devices such as signs, signals, and other markings. In other instances, markings are used alone to effectively convey regulations, warnings, or guidance in ways not obtainable by the use of other devices.

02 Markings can take many forms, including road surface markings, curb markings, delineators, colored pavements, and channelizing devices.

**Standard:**

03 **Each standard marking shall be used only to convey the meaning prescribed for that marking in this Manual, including when used for applications not described in this Manual.**

04 **Except as provided in Chapter 3H, markings that must be visible at night shall be retroreflective unless the markings are adequately visible under street or highway lighting. All markings on Interstate highways shall be retroreflective.**

05 **Markings that are no longer applicable for roadway conditions or restrictions and that might cause confusion for the road user shall be removed or obliterated to be unidentifiable as a marking as soon as practicable.**

**Guidance:**

05a *Local authorities may apply lines, arrows, or other symbols to street or highway surfaces to guide visitors and tourists to local points of interest, provided Caltrans approves such markings (CVC § 21374).*

**Option:**

06 Until they can be removed or obliterated, markings that are no longer applicable for roadway conditions or restrictions may be temporarily masked with non-reflective, preformed tape that is approximately the same color as the pavement surface.

**Support:**

07 *Obliteration of obsolete markings, using one of the known permanent removal methods, such as Ultra-High-Water blasting, shot blasting, or grinding, is the preferred action rather than temporary masking, particularly on faded asphalt concrete pavement. This results in the most visually distinct pavement markings and reduces the risk of driver confusion due to sun glare, especially on eastbound and westbound approaches.*

08 *Use of black tape for temporary "masking" is effective for new Asphalt Concrete pavement. However, for faded Asphalt Concrete pavement or Portland Cement Concrete pavements, black "masking" pavement markings could appear as a stripe in low light conditions and result in confusion to road users.*

#### Section 3A.02 Materials

**Guidance:**

01 *The materials used for markings should provide the specified color throughout their useful life.*

02 *Consideration should be given to selecting pavement marking materials that will minimize tripping or loss of traction for road users, including pedestrians, bicyclists, and motorcyclists.*

**Option:**

03 Marking systems that consist of clumps or droplets of material with visible open spaces of bare pavement between the material droplets, which can function in a manner that is similar to the marking systems that completely cover the pavement surface, may be used as pavement markings if they meet the other pavement marking requirements of the highway agency.

#### Section 3A.03 Colors

**Standard:**

01 **Markings shall be yellow, white, red, blue, green, or purple. The colors for markings shall conform to the**

**standard highway colors.**

01a **The color of curb markings shall conform to CVC § 21458.**

01b **Lines, arrows, or other symbols on the street or highway surface to guide visitors and tourists shall be distinct in color from official traffic control devices (CVC § 21374).**

**Option:**

02 Black markings may be used in combination with the colors mentioned in Paragraph 1 of this Section to enhance the contrast with a light-colored pavement.

02a **If the material used for centerline marking is paint, a 3-inch-wide black line may be placed between the 4-inch-wide yellow lines on streets and highways under local jurisdiction.**

**Standard:**

02b **If the material used for centerline marking is paint, a 3-inch-wide black line shall be placed between the 4-inch-wide yellow lines on State highways.**

03 **When used, yellow markings for longitudinal lines shall delineate:**

- A. **The separation of traffic traveling in opposite directions,**
- B. **The left-hand edge of the roadways of divided highways and one-way streets or ramps, or**
- C. **The separation of two-way left-turn lanes and reversible lanes from other lanes.**

04 **When used, white markings for longitudinal lines shall delineate:**

- A. **The separation of traffic flows in the same direction,**
- B. **The right-hand edge of the roadway, or**
- C. **Both the right-hand edge and left-hand edge of a reversible roadway.**

05 **When used, red raised pavement markers or delineators shall delineate:**

- A. **Truck escape ramps, or**
- B. **One-way roadways, ramps, or travel lanes that shall not be entered or used in the direction from which the markers are visible.**

06 **When used, blue markings shall supplement white markings for parking spaces for persons with disabilities.**

07 **When used, purple markings shall be in accordance with the provisions of Chapter 3F to identify toll plaza approach lanes restricted to use only by vehicles with registered electronic toll collection accounts.**

08 **When pavement markings that simulate route signs are used (see Section 3B.22), the colors shall be the same as those that are used for the route signs (see Section 2D.11).**

**Support:**

09 Provisions regarding colored pavements are contained in Chapter 3H.

**Section 3A.04 Functions, Widths, and Patterns of Longitudinal Pavement Markings**

**Standard:**

01 **The general functions of longitudinal lines shall be as follows:**

- A. **A double line indicates maximum or special restrictions.**
- B. **A solid line discourages or prohibits crossing (depending on the specific application).**
- C. **A broken line indicates a permissive condition.**
- D. **A dotted lane line provides warning of a downstream change in lane function.**
- E. **A dotted line used as a lane line or edge line extension guides vehicles through an intersection, a taper area, or an interchange ramp area.**

02 **The widths and patterns of longitudinal lines shall be as follows:**

- A. **Normal line—4 to 6 inches wide.**
- B. **Wide line—at least twice the width of a normal line.**
- C. **Double line—two parallel lines separated by a discernible space. The pavement surface shall be visible between the lines in the same way that it is visible outside the lines, except where contrast markings are used in combination with the double line (see Section 3A.03).**
- D. **Broken line—normal width line segments separated by gaps.**
- E. **Dotted line—noticeably shorter line segments separated by shorter gaps than used for a broken line. The width of a dotted line extension shall be at least the same as the width of the line it extends.**

02a **All longitudinal traffic lines for lane lines, edge lines, and centerlines on state highways shall be 6 inches wide.**

02b **All longitudinal traffic lines on local agency roadways shall be a minimum of 4 inches wide.**

**Option:**

02c Longitudinal traffic lines on local agency roadways may be 6 inches wide.

**Guidance:**

03 To be recognized as a double line rather than two separate, disassociated single lines, the discernible space separating the parallel lines of a double line should not exceed two times the line width of a single line.

**Support:**

04 The width of the line indicates the degree of emphasis.

05 Increasing edge line width from 4 inches to 6 inches has been shown to be a beneficial countermeasure to enhance safety at locations with a history of run-off-the-road crashes (see Section 3B.09). Wider normal lines with a 6-inch width instead of the minimum 4-inch width can be beneficial to both human drivers and driving automation systems (see Section 5B.02).

**Guidance:**

06 ~~Broken lines should consist of 10-foot line segments and 30-foot gaps, or dimensions in a similar ratio of line segments to gaps as appropriate for traffic speeds and the need for delineation.~~

07 ~~A dotted line used as a lane line (see Section 3B.07) should consist of 3-foot line segments and 9-foot gaps. A dotted line for line extensions within an intersection, taper area, or interchange ramp area (see Section 3B.11) should consist of 2-foot line segments and 2-foot to 6-foot gaps.~~

**Standard:**

07a The widths and patterns of longitudinal lines shall conform to the details shown in Figures 3A-101(CA) through 3A-114(CA).

**Support:**

08 Section 5B.02 contains information on pavement marking considerations for driving automation systems.

## **Section 3A.05 Maintaining Minimum Pavement Marking Retroreflectivity**

**Standard:**

01 Except as provided in Paragraph 5 of this Section, a method designed to maintain retroreflectivity at or above 50 mcd/m<sup>2</sup>/lx under dry conditions shall be used for longitudinal markings on roadways with speed limits of 35 mph or greater.

**Guidance:**

02 Except as provided in Paragraph 5 of this Section, a method designed to maintain retroreflectivity at or above 100 mcd/m<sup>2</sup>/lx under dry conditions should be used for longitudinal markings on roadways with speed limits of 70 mph or greater.

03 The method used to maintain retroreflectivity should be one or more of those described in “Methods for Maintaining Pavement Marking Retroreflectivity” (FHWA-SA-22-028), 2022 Edition, FHWA or developed from an engineering study based on the values in Paragraphs 1 and 2 of this Section.

**Support:**

04 Retroreflectivity levels for pavement markings are measured with an entrance angle of 88.76 degrees and an observation angle of 1.05 degrees. This geometry is also referred to as 30-meter geometry. The units of pavement marking retroreflectivity are reported in mcd/m<sup>2</sup>/lx, which means millicandelas per square meter per lux.

**Option:**

- 05 The following markings may be excluded from the provisions established in Paragraphs 1 and 2 of this Section:
- A. Markings where ambient illumination assures that the markings are adequately visible;
  - B. Markings on streets or highways that have an ADT of less than 6,000 vehicles per day; markings to alert possible wrong-way drivers, as shown in Figure 3A-102(CA) and Figure 3A-105(CA), Details 9A, 12A, and 25A;
  - C. Dotted extension lines that extend a longitudinal line through an intersection, major driveway, or interchange area (see Section 3B.11);
  - D. Curb markings;
  - E. Parking space markings; and
  - F. Shared-use path markings.

**Support:**

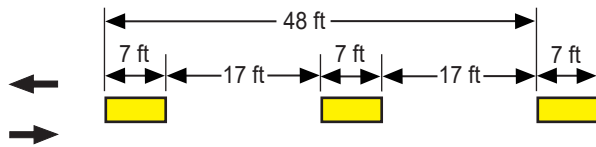
06 The provisions of this Section do not apply to non-longitudinal pavement markings including, but not limited to, the following:

- A. Transverse markings;
  - B. Word, symbol, and arrow markings;
  - C. Crosswalk markings; and
  - D. Chevron, diagonal, and crosshatch markings.
- 07 Special circumstances will periodically cause pavement marking retroreflectivity to be below the minimum levels. These circumstances include, but are not limited to, the following:
- A. Isolated locations of abnormal degradation;
  - B. Periods preceding imminent resurfacing or reconstruction;
  - C. Unanticipated events such as equipment breakdowns, material shortages, and contracting problems; and
  - D. Loss of retroreflectivity resulting from snow maintenance operations.
- 08 When such circumstances occur, compliance with Paragraphs 1 and 2 of this Section is still considered to be achieved if a reasonable course of action is taken to resume maintenance of minimum retroreflectivity in a timely manner according to the maintaining agency's method(s), policies, and procedures.

**Figure 3A-101(CA). Centerlines - 2 Lane Highways**

**FOR SPEEDS 40 mph OR LESS**

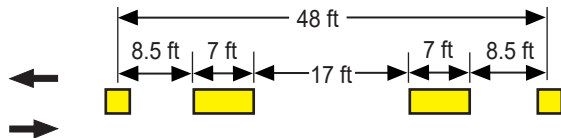
**DETAIL 1**



**POLICY**

Centerline pattern for use on two-lane streets and highways (normally used on local streets and highways).

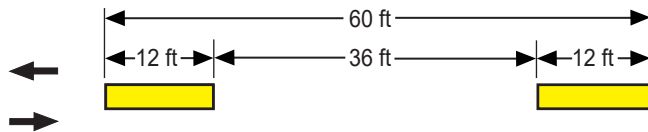
**DETAIL 2**



Centerline pattern with pavement markers for use on two-lane streets and highways.

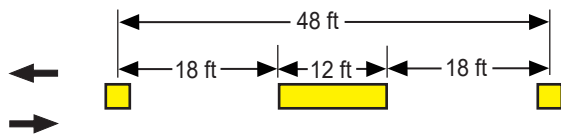
**FOR SPEEDS 45 mph OR MORE**

**DETAIL 5**



Centerline pattern for use on two-lane streets and highways (normally used on local streets and highways).

**DETAIL 6**



Centerline pattern with pavement markers for use on two-lane streets and highways.

**CONTRAST STRIPING**

**OPTION 1**



**OPTION 2**



**NOT TO SCALE**

**LEGEND**

- 4 to 6 in. Yellow (for local agencies)  
6 in. Yellow (on State Highway System)
- White or Yellow Normal Line
- Black Contrast Striping

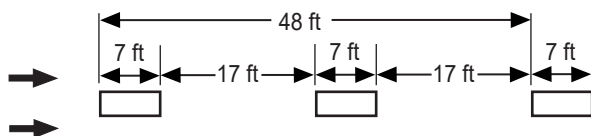
- Two-Way Yellow Retroreflective Markers
- Two-Way Retroreflective Markers
- Direction of Travel

**Figure 3A-102(CA). Lane Lines - Multilane Highways  
(Sheet 1 of 2)**

**FOR SPEEDS 40 mph OR LESS**

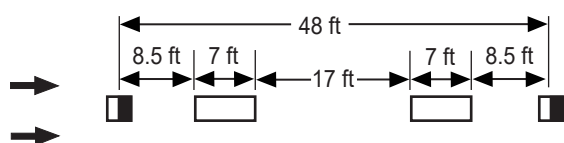
**POLICY**

**DETAIL 8**



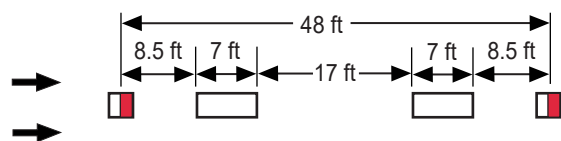
Lane Line pattern for use on multilane streets and highways (normally used on local streets and highways).

**DETAIL 9**



Lane Line pattern with pavement markers for use on multilane streets, and highways.


**DETAIL 9A**



Lane line pattern with pavement markers for use on multilane streets, highways and freeway ramps.

**NOT TO SCALE**

**LEGEND**

 4 to 6 in. White (for local agencies)  
6 in. White (on State Highway System)

 Direction of Travel

 One-Way Clear Retroreflective Markers

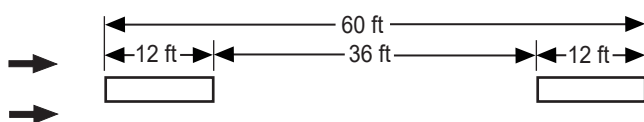
 Red-Clear Retroreflective Markers

**Figure 3A-102(CA). Lane Lines - Multilane Highways  
(Sheet 2 of 2)**

**FOR SPEEDS 45 mph OR MORE**

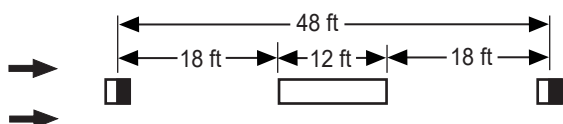
**POLICY**

**DETAIL 11**



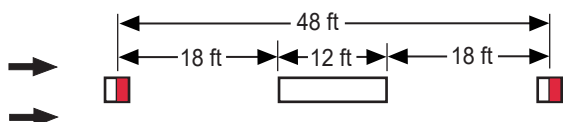
Lane Line pattern for use on multilane streets and highways (normally used on local streets and highways).

**DETAIL 12**



Lane Line pattern with pavement markers for use on multilane conventional streets and highways, expressways and collector roads.





**DETAIL 12A**



Lane Line pattern with pavement markers for use on multilane conventional streets and highways, freeways, expressways, freeway ramps, and freeway to freeway connectors.

**NOT TO SCALE**

**LEGEND**

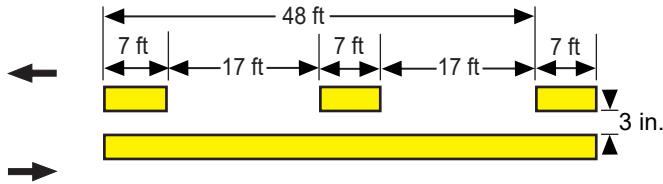
- |                                                                                                                           |                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
|  4 to 6 in. White (for local agencies) |  One-Way Clear Retroreflective Markers |
| 6 in. White (on State Highway System)                                                                                     |  Red-Clear Retroreflective Markers     |
|  Direction of Travel                   |                                                                                                                           |

**Figure 3A-103(CA). No Passing Zones - One Direction**

**FOR SPEEDS 40 mph OR LESS**

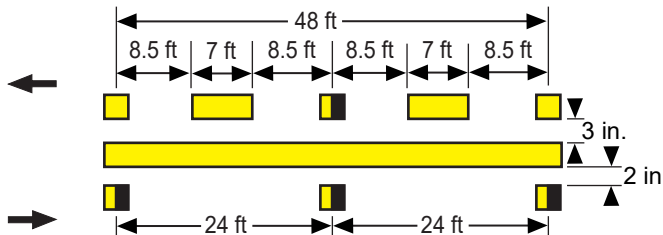
**POLICY**

**DETAIL 15**



One direction no-passing pattern for use on two-lane streets and highways (normally used on local streets and highways). See Note 2.

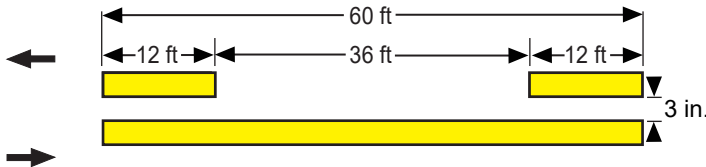
**DETAIL 16**



One direction no-passing pattern with pavement markers for use on two-lane streets and highways. See Notes 1 and 2.

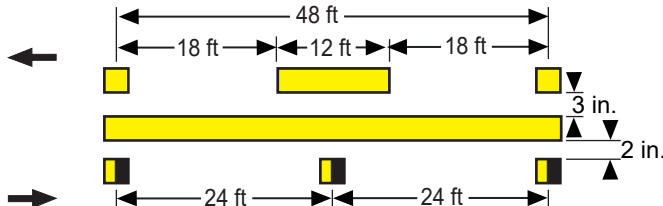
**FOR SPEEDS 45 mph OR MORE**

**DETAIL 18**



One direction no-passing pattern for use on two-lane streets and highways (normally used on local streets and highways). See Note 2.





**DETAIL 19**



One direction no-passing pattern with pavement markers for use on two-lane streets and highways. See Notes 1 and 2.

**NOT TO SCALE**

**LEGEND**

	4 to 6 in. Yellow (for local agencies) 6 in. Yellow (on State Highway System)		Two-Way Yellow Retroreflective Markers
	Direction of Travel		One-Way Yellow Retroreflective Markers

**Notes:**

1. Pavement markers shown off the solid line in Details 16 and 19 may be placed on the line.
2. If the material used for centerline marking is paint, a 3 in. black line shall be placed between the yellow lines on State highways and may be placed on streets and highways under local jurisdiction.



**Figure 3A-104(CA). No Passing Zones - Two Direction**

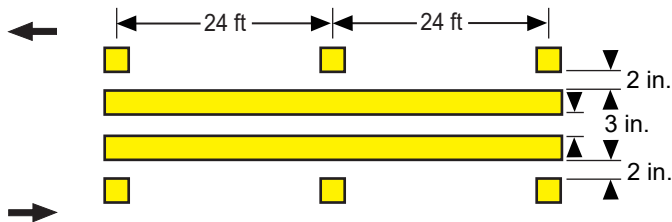
**DETAIL 21**



**POLICY**

Two-direction no-passing pattern for use on two-lane streets and highways (normally used on local streets and highways). See Note 2.

**DETAIL 22**



Two-direction no-passing pattern with pavement markers for use on two-lane streets and highways. See Notes 1 and 2.






**CONTRAST STRIPING**

**TYPICAL DOUBLE STRIPE CONTRAST DETAIL OPTION**



NOT TO SCALE

**LEGEND**

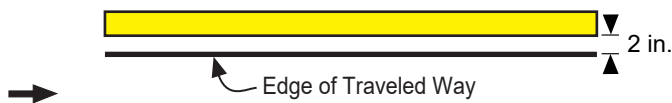
	4 to 6 in. Yellow (for local agencies) 6 in. Yellow (on State Highway System)		Two-Way Yellow Retroreflective Markers
	Direction of Travel		White or Yellow Normal Line
			Black Contrast Striping

**Notes:**

1. Pavement markers shown off the solid line in Detail 22 may be placed on the line.
2. If the material used for centerline marking is paint, a 3 in. black line shall be placed between the yellow lines on State highways and may be placed on streets and highways under local jurisdiction.

**Figure 3A-105(CA). Left Edge Lines for Divided Highways**

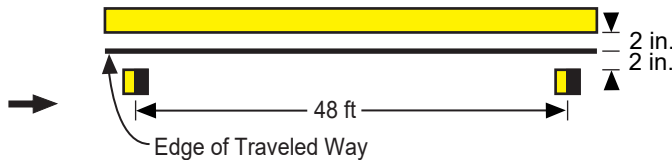
**DETAIL 24**



**POLICY**

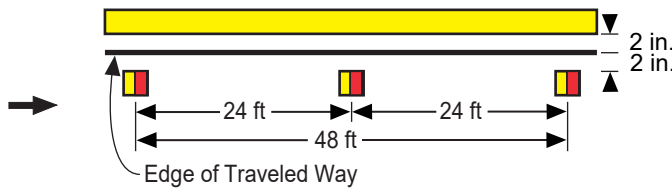
Left Edge Line pattern for use on streets and highways (normally used on local streets and highways).

**DETAIL 25**



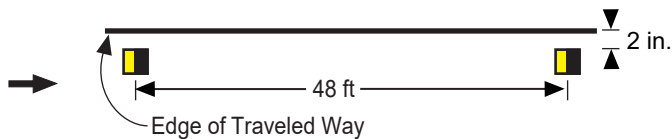
Left Edge Line for use on State highways.

**DETAIL 25A**



Left Edge Line for use on highways, freeways, freeway ramps and connectors.

**DETAIL 26**



Alternate to Details 24 and 25 when there is adequate contrast between traveled way and shoulder.






**DETAIL 27**



Alternate to Detail 25. A double solid yellow line may be used for more emphasis when motorists tend to use the shoulder for a through lane, or where encroachments onto the shoulder occasionally occur. See Note 1.

**NOT TO SCALE**

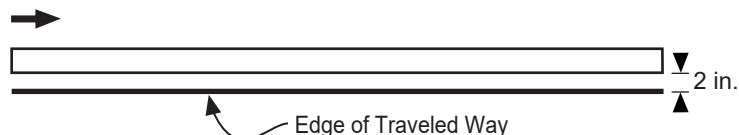
**LEGEND**

	4 to 6 in. Yellow (for local agencies) 6 in. Yellow (on State Highway System)		One-Way Yellow Retroreflective Markers
			Red-Yellow Retroreflective Markers
	Direction of Travel		

Note: If the material used for centerline marking is paint, a 3 in black line shall be placed between the yellow lines on State highways and may be placed on streets and highways under local jurisdiction.

**Figure 3A-106(CA). Right Edge Line and Right Edge Line Extension Through Intersections**

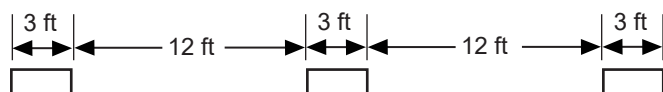
**DETAIL 27B - Right Edge Line**



**POLICY**

Right Edge Line pattern for use on all State highways may be used on local streets and highways. It is generally dropped at the beginning of the intersection flares on conventional highways. See also Detail 27C. On freeways, it may be flared in advance of the exit ramp as shown in Figure 3B-8(CA).

**DETAIL 27C - Right Edge Line Extension Through Intersections**



Right Edge Line Extension Through Intersections pattern for use to extend the right edgeline through an intersection where climatic conditions, such as areas of heavy fog, may require additional guidance.



**CONTRAST STRIPING**



**TYPICAL LANE LINE, EDGE LINE, OR CHANNELIZING LINE CONTRAST DETAIL OPTION**



NOT TO SCALE

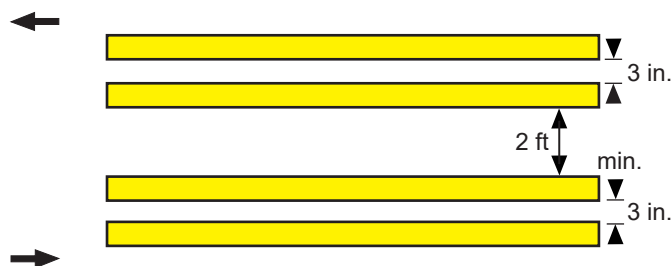
**LEGEND**

-  4 to 6 in. White (for local agencies)  
6 in. White (on State Highway System)
-  White or Yellow Normal or Wide line

-  Black Contrast Striping
-  Direction of Travel

**Figure 3A-107(CA). Median Islands**

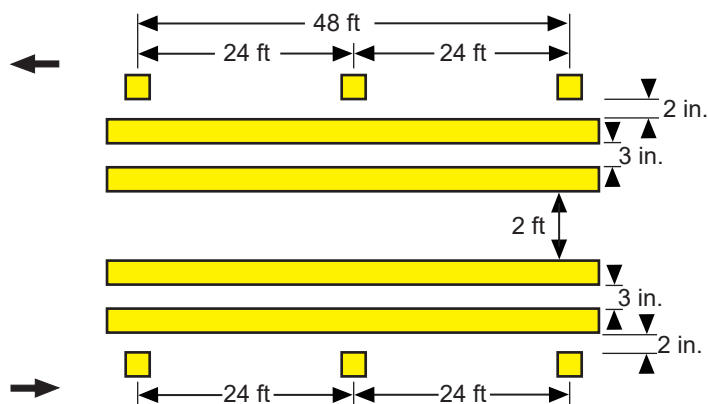
**DETAIL 28**



**POLICY**

Double Left Edge Line pattern for use on all-paved sections of streets and highways (normally used on local streets and highways). See Note 2.





**DETAIL 29**



Double Left Edge Line pattern with pavement markers for use on all-paved sections of streets and highways. See Notes 1 and 2.

**NOT TO SCALE**

**LEGEND**

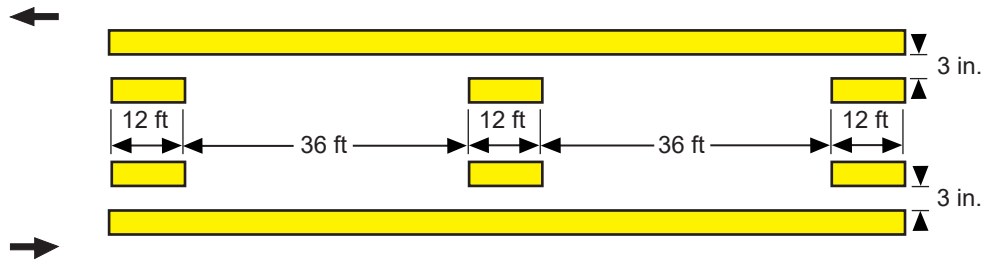
- |                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
|  4 to 6 in. Yellow (for local agencies) |  Two-Way Yellow Retroreflective Markers |
|  6 in. Yellow (on State Highway System) |                                                                                                                            |
|  Direction of Travel                    |                                                                                                                            |

**Notes:**

1. Pavement markers shown off the solid line in Detail 29 may be placed on the line.
2. If the material used for centerline marking is paint, a 3 in black line shall be placed between the yellow lines on State highways and may be placed on streets and highways under local jurisdiction.

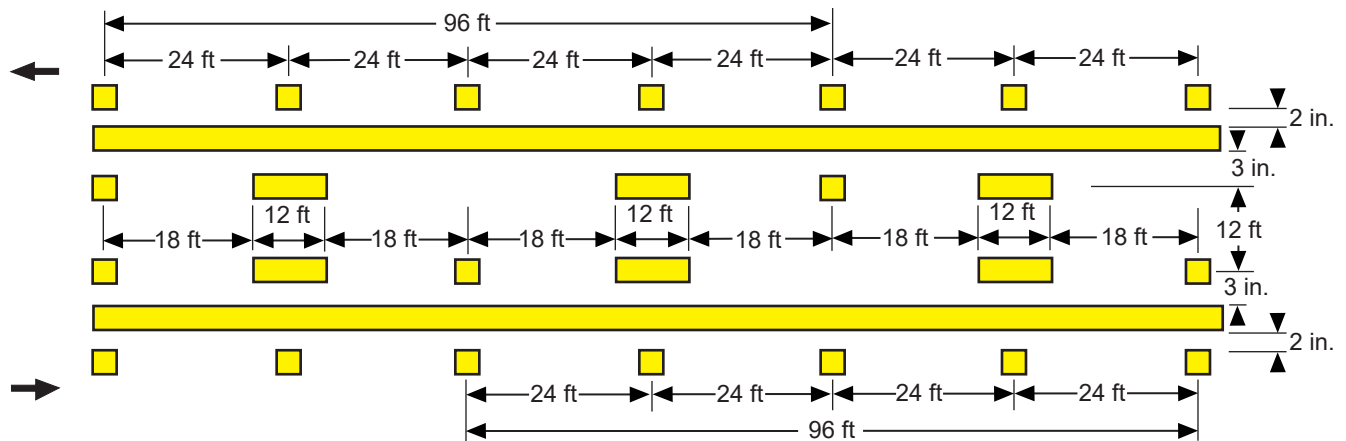
**Figure 3A-108(CA). Two-Way Left-Turn Lanes**

**DETAIL 31**



**POLICY** Two-way left-turn lane pattern for use on streets and highways (normally used on local streets and highways). See Note 2.

**DETAIL 32**



**POLICY** Two-way left-turn lane pattern for use on streets and highways. See Note 2.

**NOT TO SCALE**

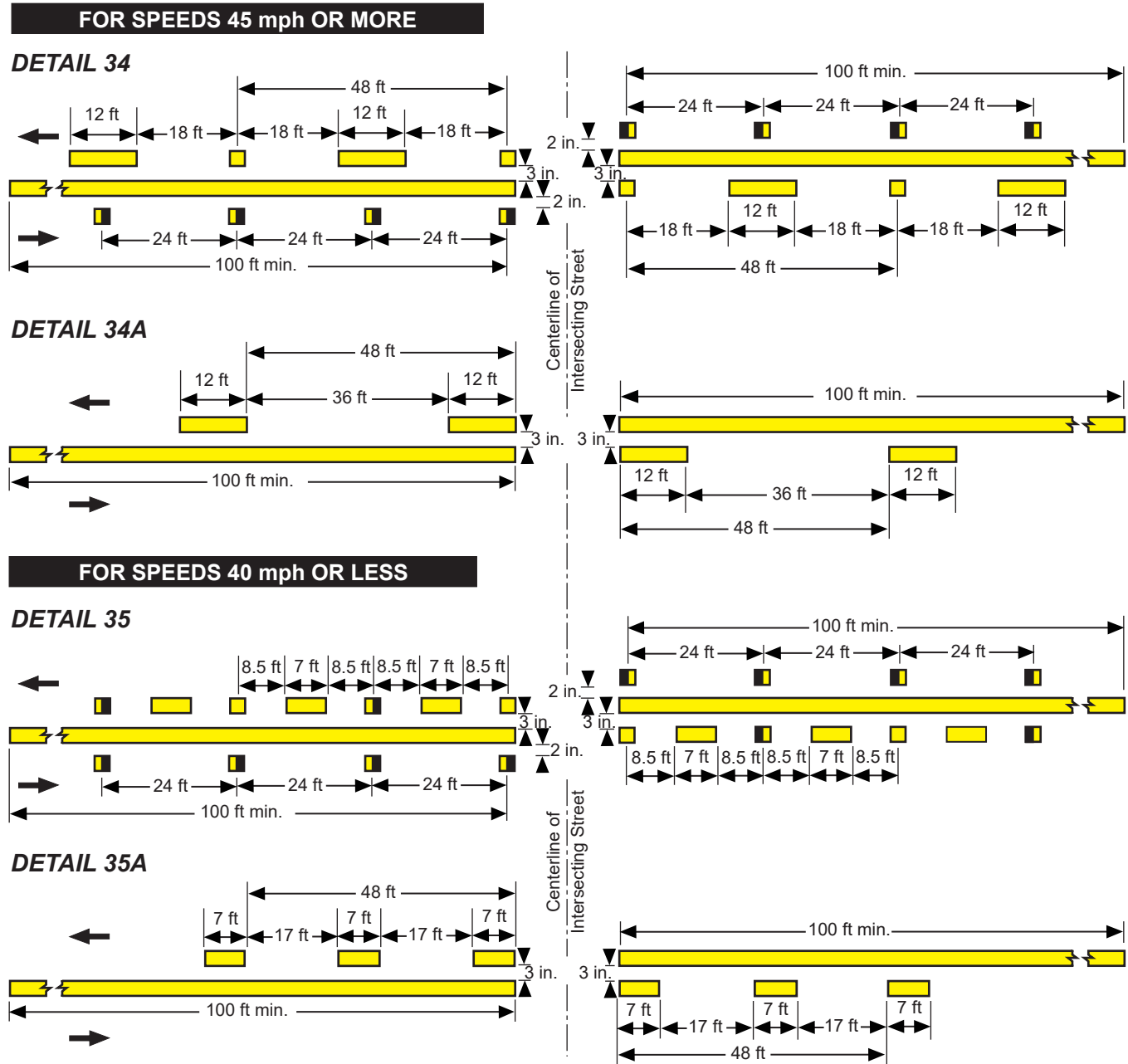
**LEGEND**

- 4 to 6 in. Yellow (for local agencies)
- 6 in. Yellow (on State Highway System)
- Two-Way Yellow Retroreflective Markers
- Direction of Travel

**Notes:**





1. Pavement markers shown off the solid line in Detail 32 may be placed on the line.
2. If the material used for centerline marking is paint, a 3 in. black line shall be placed between the yellow lines on State highways and may be placed on streets and highways under local jurisdiction.

**Figure 3A-109(CA). Intersection Markings**



**NOT TO SCALE**

**LEGEND**

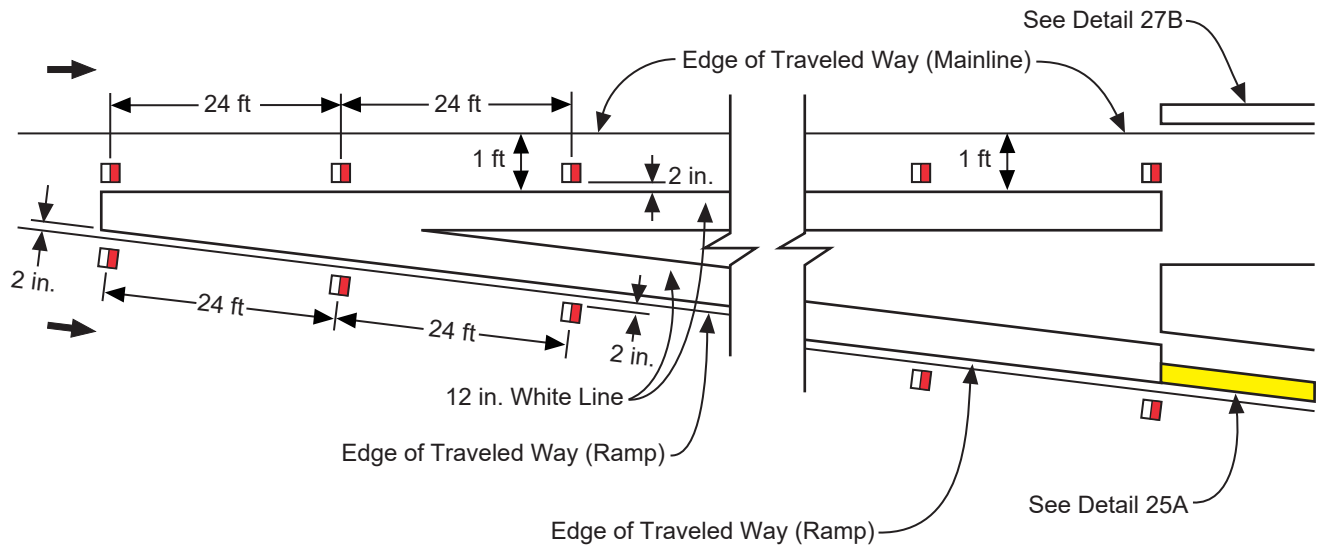
- |                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
|  4 to 6 in. Yellow (for local agencies) |  Two-Way Yellow Retroreflective Markers |
| 6 in. Yellow (on State Highway System)                                                                                     |  One-Way Yellow Retroreflective Markers |
|  Direction of Travel                    |                                                                                                                            |

**Notes:**

1. Raised Pavement Markers are optional on non-state highways.
2. Raised Pavement Markers shown off the solid line may be placed on the line.
3. If the material used for centerline marking is paint, a 3 in. black line shall be placed between the yellow lines on State highways and may be placed on streets and highways under local jurisdiction.





**Figure 3A-110(CA). Freeway Exit and Entrance Ramp Channelizing Line  
(Sheet 1 of 2)**

**DETAIL 36 - Exit Ramp Neutral Area (Gore) Channelizing Lines**



**NOT TO SCALE**

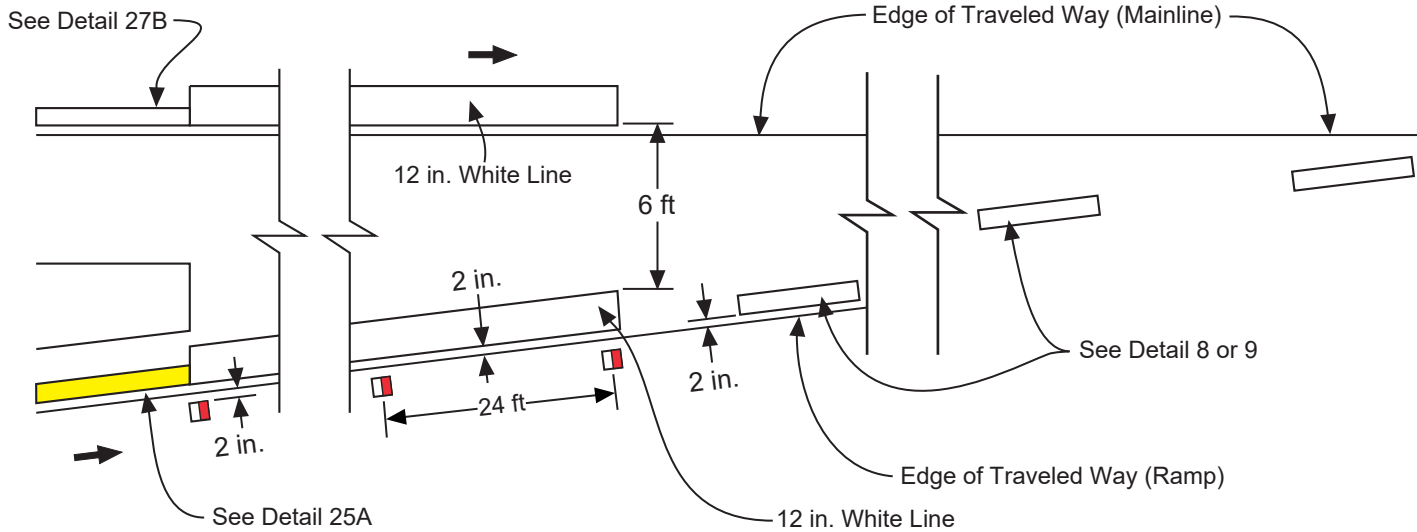
**LEGEND**

	4 to 6 in. White (for local agencies)		Red-Clear Retroreflective Markers
	6 in. White (on State Highway System)		Direction of Travel
	4 to 6 in. Yellow (for local agencies)		
	6 in. Yellow (on State Highway System)		

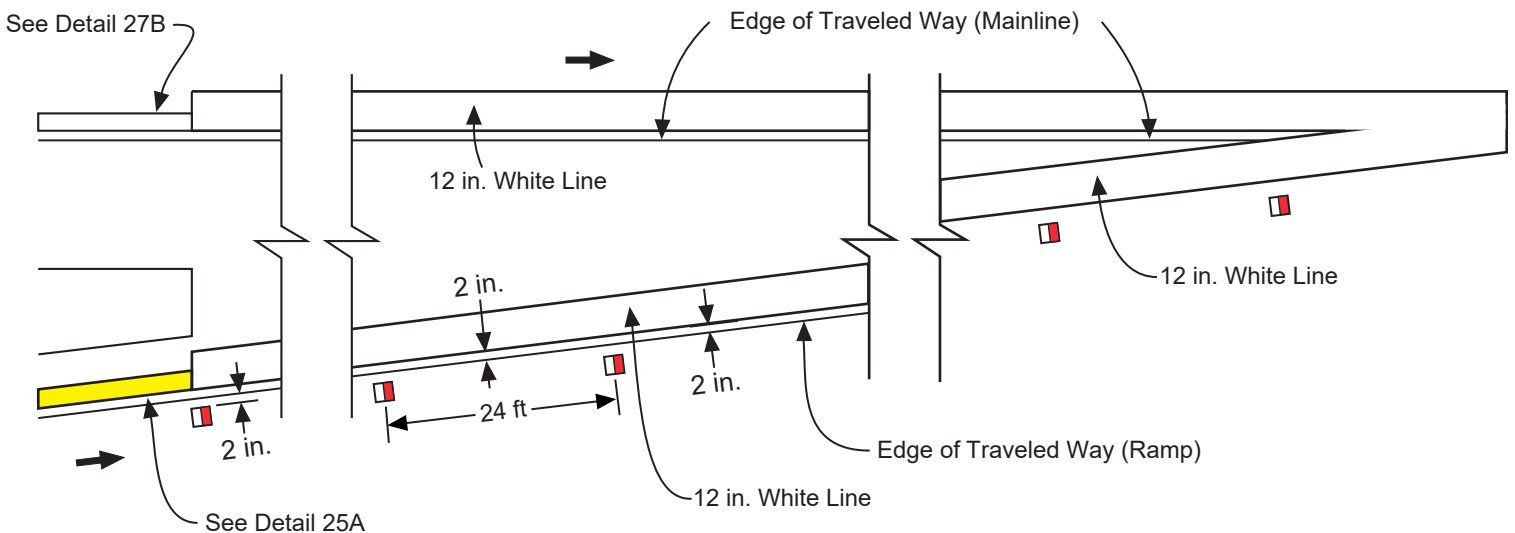
Note: See Figure 3B-9(CA).

**Figure 3A-110(CA). Freeway Exit and Entrance Ramp Channelizing Lines  
(Sheet 2 of 2)**

**DETAIL 36A - Entrance Ramp Neutral Area (Merge) Channelizing Lines**

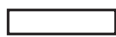





**DETAIL 36B - Entrance Ramp Neutral Area (Acceleration Lane) Channelizing Lines**



**NOT TO SCALE**

**LEGEND**

	4 to 6 in. White (for local agencies) 6 in. White (on State Highway System)		Red-Clear Retroreflective Markers
	4 to 6 in. Yellow (for local agencies) 6 in. Yellow (on State Highway System)		Direction of Travel

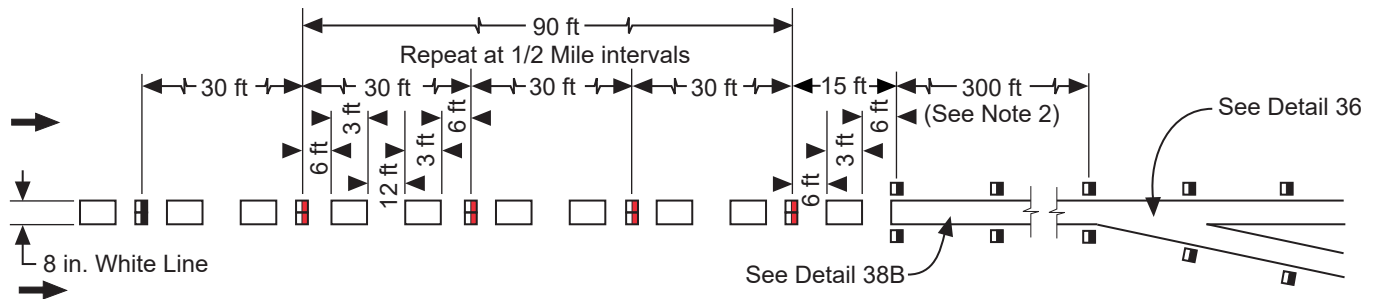
**Notes:**

1. For Detail 36A, see Figure 3B-10(CA) Sheet 1 of 2.
2. For Detail 36B, see Figure 3B-11(CA) Sheet 1 of 2.



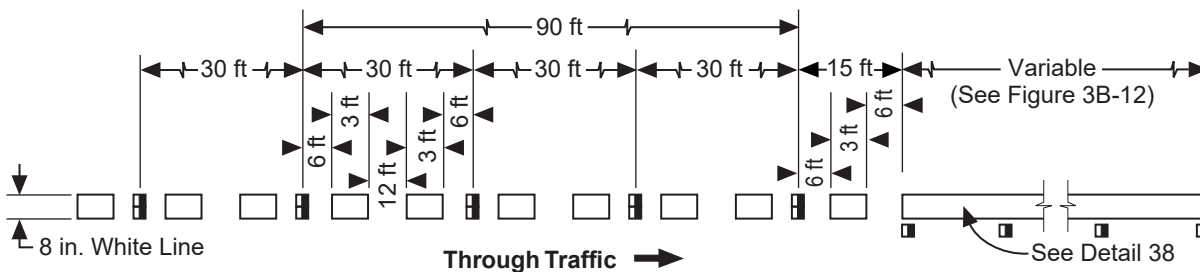
**Figure 3A-111(CA). Lane Drop Markings**

**DETAIL 37 - Lane Drop Markings at Exit Ramps**



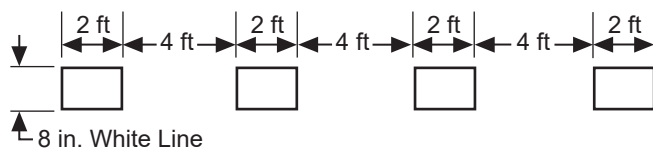
**POLICY** Marking pattern for use on mandatory lane drops at freeway exit ramps and freeway to freeway connectors.

**DETAIL 37B - Lane Drop Markings at Conventional Highway Intersections**



**POLICY** Marking pattern for use on mandatory turn lanes at intersections. Pavement markers shown are optional on local streets and highways.

**DETAIL 37D - Lane Drop Line For Two-Lane Roundabouts**



**POLICY** For use on mandatory exiting lanes from two-lane roundabouts.

**NOT TO SCALE**

**LEGEND**

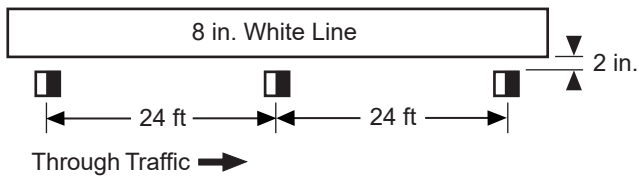
- ➡ Direction of Travel
- One-Way Clear Retroreflective Markers
- Red-Clear Retroreflective Markers

**Notes:**

1. Pavement markers shown off the solid line in Detail 37 may be placed on the line.
2. The Solid Channelizing Line shown in Detail 37 may be omitted on short auxiliary lanes where weaving length is critical.

## Figure 3A-112(CA). Channelizing Line and Lane Line/Centerline Extensions

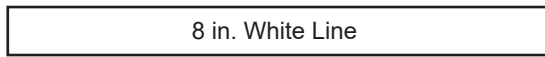
### DETAIL 38 - Channelizing Line



### POLICY

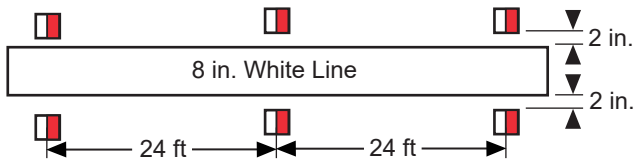
Typical channelizing line for use on Left-Turn or Right-Turn lanes on State highways. Pavement Markers when used should be placed on the through traffic side only.

### DETAIL 38A - Channelizing Line



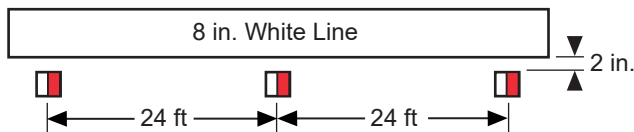
Typical channelizing line for use on Left-Turn or Right-Turn lanes on local streets and highways and freeway off-ramp terminals.

### DETAIL 38B - Channelizing Line at Exit Ramps



Typical channelizing line for use on Exit Ramps. Pavement Markers, as shown, may also be placed on the line.

### DETAIL 38D - Channelizing Line at Exit Ramps

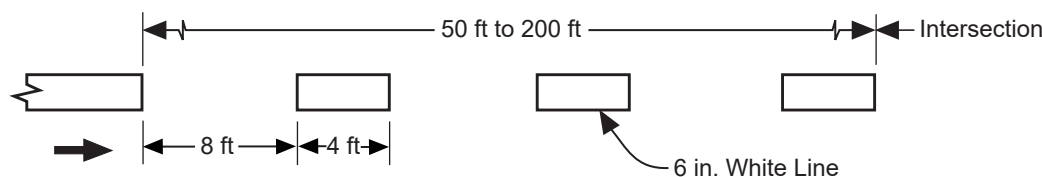


Typical channelizing line for use on Exit Ramps. Pavement Markers, as shown, may also be placed on the line.

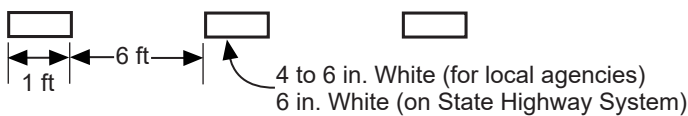
### DETAIL 39 - Bike Lane Line



### DETAIL 39A - Bike Lane Intersection Line

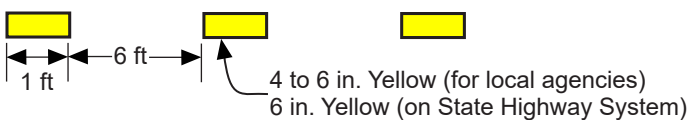


### DETAIL 40 - Lane Line Extension Through Intersections



The Lane Line Extension Through Intersections line is used to extend the lane line through an intersection that might otherwise be confusing to the motorist.

### DETAIL 41 - Centerline Extension Through Intersections



The Centerline Extension Through Intersections line is used to extend the centerline through an intersection that might otherwise be confusing to the motorist.

NOT TO SCALE

### LEGEND

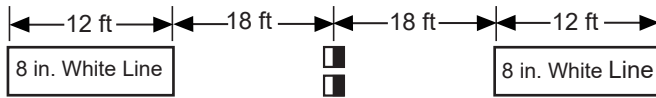
→ Direction of Travel

White Line  
Yellow Line

One-Way Clear Retroreflective Markers  
Red-Clear Retroreflective Markers

**Figure 3A-113(CA). Examples of Preferential Lane Lines**

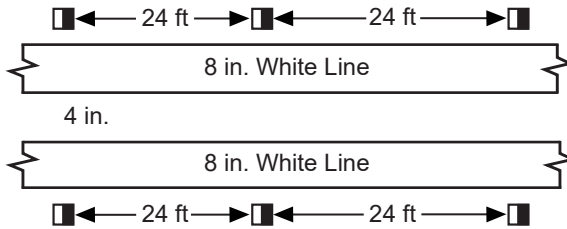
**DETAIL 42 - Contiguous, Continuous Access**



**POLICY**

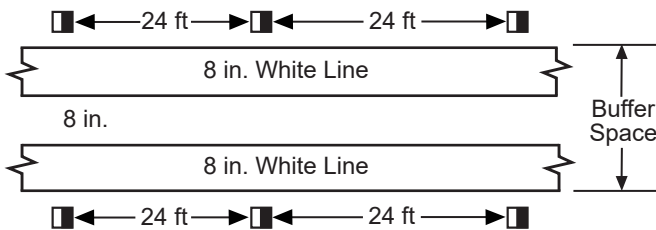
Refer to Figure 3E-3.C

**DETAIL 44A - Contiguous, Access Prohibited**



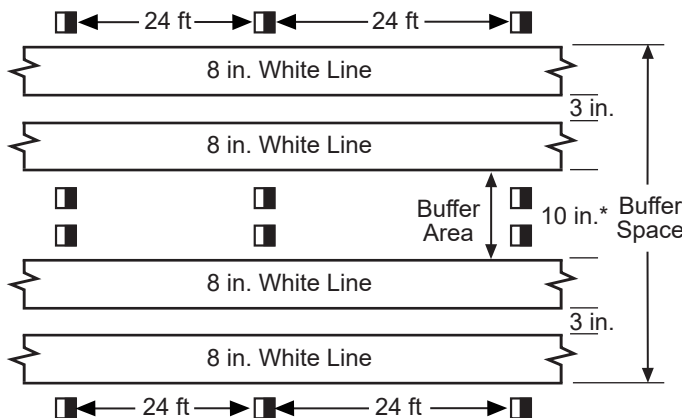
Refer to Figure 3E-3.A

**DETAIL 44B - Buffer-Separated, Access Prohibited**



Refer to Figure 3E-2.A

**DETAIL 45 - Buffer-Separated, Access Prohibited**



Refer to Figure 3E-2.A

\* If buffer area is wider than 4 feet, then chevron markings are required (Refer to Figure 3E-2.A and Section 3B-25).

**NOT TO SCALE**

**LEGEND**

 White Line       One-Way Clear Retroreflective Markers

**Figure 3A-114(CA). Exit Ramp with Enhanced Pavement Markers for Wrong Way Details**

