

Although every effort has been made to keep this list current and updated, it is merely being provided as an additional reference and should not be used as the only means of comparison between the relevant documents. It is recommended that the actual text, figures and tables of the California MUTCD be reviewed in their entirety for a complete and all-inclusive comparison of the changes.

List of Changes in California MUTCD 2014

(Compares California MUTCD issued on November 7, 2014
to the previous version released on January 13, 2012)

Throughout this Manual

- References to the California Department of Transportation were previously made as Caltrans, Department, or Department of Transportation. To be consistent, only “Caltrans” was used throughout the text of the 2014 CA MUTCD.
- Where appropriate, changed “driver” or “motorist” to “road user”.
- Identified sign designations for most regulatory, warning, and guide signs in various figures.
- Most figures are updated with the California version of US Route shields and markers.

Introduction

- Acknowledgment – update on CTCDC members.
- A Foreword has been added.
- Introduction – Para 10: Applicability on public roadways, local agencies and private property.
- Tables I-2 and I-2(CA): Compliance for devices identified with revised specific target compliance dates.

Part 1 – General

- Sections 1A.01 through 1A.10: Reference to definition in Section 1A.13.
- Table 1A-101(CA): New Table: Status of Interim Approvals Issued by FHWA in California.
- Section 1A.13: Added: Item 24b. Buffered Bicycle Lanes.
- Section 1A.13: Added: Item 31e. Contraflow Bicycle Lane added.

Part 2 - Signs

2A – General

- Section 2A.01: Reference to definition in Section 1A.13.
- Section 2A.07: Para 06a: Changed “a STOP” to “regulatory”.

Para 08: Subsection A – added “DO NOT ENTER, or WRONG WAY signs”; subsection B – not strikethrough “White, if used with regulatory signs” and “YIELD signs.”; added “including”; subsection E – delete “yellow”, change “orange” to “Amber”.

Para 11: Not strikethrough “YIELD signs”.

- Section 2A.11: Reference to definition in Section 1A.13; text not strikethrough.
- Section 2A.15: Added: Subsection M.
- Section 2A.19: Paragraph 22: Changed “1 to 4” to “4:1” (“1 to 4” is a remnant of the metric version of the CA MUTCD).
- Figure 2A-2(CA): Updated dimensions.
- Table 2A-1: Changed “STOP” to “regulatory”.

2B – Regulatory Signs

- Section 2B.04: Para 10: Deleted text.
Para 10b: New Option text on use of YIELD or STOP signs.
- Section 2B.37: Para 01, 02, 03: Text not strikethrough.
- Section 2B.46: Para 84 through 87: New text on Electric Vehicle Charging Station signs.
- Section 2B.112(CA): New Section on the MOVE OVER OR SLOW FOR STOPPED EMERGENCY AND MAINTENANCE VEHICLES (R110(CA)) sign.
- Figure 2B-3: Revised speed limit enforcement signs.
- Figure 2B-24(CA): Parking and Standing Signs and Plaques (R7 series).
- Figure 2B-27: Deleted R10-16 sign.
- Figure 2B-27(CA): Added R73-9(CA) sign.
- Figure 2B-32(CA): Added R110(CA) sign.
- Table 2B-1: Regulatory Sign and Plaque Sizes.
- Table 2B-1(CA): California Regulatory Sign and Plaque Sizes.

2C – Warning Signs

- Section 2C.03: Para 04: Added text.
- Section 2C.29: Para 04a, 04b: New text on SPEED HUMP Signs.
- Section 2C.35: Para 05: New text on WHEN FLOODED TURN AROUND DON'T DROWN (W87(CA)) sign.
- Figure 2C-6: Deleted FALLEN ROCKS (W8-15) sign.
- Figure 2C-6(CA): Added TRAILERS-CAMPERS GUSTY WIND AREA NEXT ___ MILES (SW-1(CA)) sign from Figure 2C-7(CA).
- Figure 2C-7(CA): Deleted entire figure.
- Table 2C-5: Deleted “Limit” in table header; added “(See Section 2C.06)”.

2E – Guide Signs on Freeways and Expressways.

- Section 2E.31: Para 20, Deleted G85-10(CA) sign.
- Section 2E.31: Para 37, Deleted text, renumbered subsequent paragraphs.
- Section 2E.31: Para 44, Deleted text, renumbered subsequent paragraphs.
- Figure 2E-22(CA): Deleted G83-4(CA) sign.
- Figure 2E-26(CA): Deleted G85-10(CA) sign.
- Table 2E-1: Freeway or Expressway Guide Sign and Plaque Sizes.
- Table 2E-1(CA): California Freeway or Expressway Guide Sign and Plaque Sizes.

2H thru 2J – General Service, General Information & Specific Service Signs.

- Section 2H.02: Para 38, Changed “RECLAIMED” to “RECYCLED” for S28(CA) sign.
- Table 2H-1(CA): Revised California General Information Sign Sizes.
- Section 2I.03: General Service Signs for Freeways and Expressways.
- Section 2I.05: Rest Area and Other Roadside Area Signs.
- Figure 2I-1: Deleted D9-11b, D9-11bP signs.
- Figure 2I-1(CA): Added G66-21C(CA) sign.
- Figure 2I-5(CA): Added R116(CA) sign.
- Section 2J.07: Single-Exit Interchanges.

Part 3 - Markings**3A – General**

- Figure 3A-103(CA) through 3A-109(CA): Revised Note to include use of black stripe when material used for centerline marking is paint.
- Figure 3A-110(CA): (Sheet 2 of 2) Detail 36A: Change label for the dashed white line. From “See Detail 8.....” to “See Details 8, 9, or 10.....”
Detail 36B: Deleted the label “See Detail 8.....”
- Figure 3A-112(CA): Changed “100 ft to 200 ft” to “50 to 200 ft”.

3B – Pavement and Curb Markings

- Section 3B.03: Para 17: Added “except as provided in paragraph 18”.
Para 18: Added new text in Option on use of 8 inch wide white lines.
- Section 3B.04: Para 20: Added “except as provided in paragraph 5”.
Para 31: Added “if used”, revised “will” to “shall”, and added “otherwise, Use Detail 8 or 11”.
- Section 3B.05: Para 10: Deleted reference to Figures 3B-8(CA), 3B-9(CA) & 3B-10(CA).
- Section 3B.16: Par 01: Added “if used”.
Para 12, 13, Deleted reference to “stop” or “stop lines”.
Para 20: Added “See Paragraph 5”.
Para 21: Deleted paragraph.
- Section 3B.18: Para 09: Added “across uncontrolled roadways should include”; Added Para 9a.
- Section 3B.19: Para 13: Changed “two stall lengths” to “30 feet”.
- Section 3B.20: Para 02: Added “12. TRAIL XING”.
- Section 3B.20: Para 18: Modified ISA Parking space text and markings.
Para 19a, 19b: Deleted “Revised”.
- Section 3B.20: Para 38: New text on Electric Vehicle Charging pavement markings.
- Section 3B.21: Para 08: New support statement on definition of equation.
- Section 3B.23: Para 08, 09: Not strikethrough.
- Figure 3B-7: Deleted entire figure.
- Figure 3B-7(CA): Revised two-way pavement arrows.
- Figure 3B-16: Not deleted.
- Figure 3B-16(CA): Deleted entire figure.
- Figure 3B-17(CA): New figure – Examples of Crosswalk Enhancements.

- Figure 3B-19: Examples of Crosswalk Markings.
- Figure 3B-19(CA): New figure – Examples of Crosswalk Markings.
- Figure 3B-21(CA): On the last figure added “4 ft” label.
- Figure 3B-22(CA): Revised figures and text.
- Figure 3B-23(CA): Added “TRAIL”.
- Figure 3B-108(CA): New figures – Electric Vehicle Charging pavement markings.

3F – Delineators.

- Section 3F.04: Para 11: Deleted “Installations should be inspected...or misleading delineators.”; Changed “When” to “If” in what is the new paragraph 11, listing guidance for delineator placement; Changed in item C “1:4” to “4:1” (1:4 is a remnant of the metric version of the CA MUTCD).
Para 12: Deleted “Standard – Unless local conditions...all State highways.”
Para 13: Deleted “Delineators should also be provided on all city and county roads.”
- Figure 3F-1: Added labels, legends, and text.

3H – Channelizing Devices used for Emphasis of Pavement Marking Patterns

- Section 3H.01: Para 10: Deleted “on State highways” at end of paragraph.

Part 4 – Highway Traffic Signals

4C – Traffic Control Signal Needs Studies

- Section 4C.01: Added Para 01a,b,c: Policy on consideration of roundabouts.
- Figure 4C-101: Modified Warrant 7 to consider 80% of Fig 4C-5 through 4C-8.

4D – Traffic Control Signal Features

- Section 4D.26: Para 14b: Revised minimum yellow change interval text.
- Section 4D.27: Para 29: 1.a.b. Changed text from Guidance to Standard; Moved “The signal indication for the clearance interval may be either green or flashing red.” from Standard to Option; 1.d. Changed text from Guidance to Option.
Para 32: Changed text from Guidance to Standard.
- Section 4D.34: Para 07, 09: Use of stop or yield signs at signalized locations.
- Table 4D-102(CA): Revised minimum yellow intervals.

4E –Pedestrian Control Features

- Section 4E.06: Pedestrian clearance time - deleted reference to 85th %-tile rule.
- Section 4E.06: Changed “may” to “should” with Older or disabled pedestrians speed of 2.8 ft/sec.

4L – Flashing Beacons

- Section 4L.02: Para 13: Deleted “or SIGNAL AHEAD (W3-3a)”.

Part 5 – Traffic Control Devices for Low-Volume Roads

5B – Regulatory Signs

- Section 5B.05: Reference Chapter 2B and Figure 2B-24(CA).
- Figure 5B-2: Deleted entire figure.

5C – Warning Signs

- Section 5C.06: Reference Figure 5C-2(CA).
- Figure 5C-2(CA): New Figure with SR27-1(CA) sign.

5G – Temporary Traffic Control Zones

- Section 5G.02: Para 03: Reference Figure 6H-10A(CA).

Part 6 – Temporary Traffic Control

6A – General

- Section 6A.01: Para 15: Deleted “as defined in Part 5”; Not strikethrough “by the public agency or official having jurisdiction”.
Para 18, 19: Added “or the Engineer’s designee”.
Para 19: New Option for use of typical applications.

6B – Fundamental Principles

- Section 6B.01: Para 01: Added “or the Engineer’s designee”.

6C – Temporary Traffic Control Elements

- Section 6C.01: Para 09: Added “or the Engineer’s designee”.
Para 14a through Para 33: Revised language on Reduced Speed Limits in TTC zones.
- Section 6C.04: Para 08: Changed “any roadway” to “the traveled way”.
- Section 6C.10: Para 06: Added Support statement.
- Section 6C.12: Para 01: Deleted federal support text; added new Standard text.
- Section 6C.13: Para 03: Reference R115(CA) sign.
- Table 6C-1: Revised Table with defined speeds.
- Table 6C-2: Revised Table for application on Level Roads.
- Table 6C-3(CA): Revised Table with values for 75mph.
- Table 6C-101(CA): New Table for stopping sight distance as a function of speed on downgrades.

6E – Flagger Control

- Section 6E.03: Para 01: Deleted “C28A(CA)/C28B(CA)”; added “(R1-1/W20-8)”.
Para 02: Added “or fluorescent orange”.
- Table 6E-1: Revised Table for application on Level Roads.
- Table 6E-101(CA): Revised Table with added values for 75mph.

6F – Traffic Control Zone Devices

- Section 6F.12: Replacement of C17(CA) sign with R2-1 sign.
- Section 6F.16: Para 02: Added “(or fluorescent yellow)”.

- Section 6F.22: Added “LANE(S) CLOSED” and “W20-5a”.
- Section 6F.28: Para 15: Added “If used,”.
- Section 6F.31: Para 04: Added “in California”.
- Section 6F.36: Para 01: Added “entrance, or exit”.
- Section 6F.37: Para 02: Added “(CA)), or SHOULDER CLOSED(C30A(CA))”.
- Para 05: Deleted “maintenance, reconstruction”; added “shoulder work”.
- Section 6F.39: Para 02: Deleted “6H-4(CA); added 6H-10A(CA).
- Section 6F.45: Para 01: Deleted “of 2 inch or more”.
- Para 02 through 07: New language on UNEVEN LANES signs.
- Section 6F.49: Strikethrough federal text.
- Section 6F.53: Replaced “plaque” with “panel”; revised text to indicate a distance to an activity or condition.
- Section 6F.54: Added reference to UNEVEN PAVEMENT (C46(CA)) sign.
- Section 6F.59: Para 14: Changed 1300 feet to 0.25 miles.
- Section 6F.60: Para 30, 30a, 32: New language on portable changeable message signs
- Para 33: Deleted “If the sign trailer is located within 15 feet of the edge of the traveled way, it should be delineated with a taper consisting of 9 cones placed at a space of 25 feet apart.”
- Section 6F.61: Para 04a: New paragraph.
- Section 6F.65: Para 00: New paragraph.
- Para 03b-d: Deleted.
- Para 05: Deleted “by using weighted bases, or weights such as sandbag rings that can be dropped over the tubular markers and onto the base to provide added stability. Ballast should be kept to the minimum amount needed.”
- Para 08 – 18: new language on Portable Delineator.
- Section 6F.68: Para 24: Deleted “Type III barricades”.
- Section 6F.70: Para 08: Deleted “with cube-corner lenses”.
- Section 6F.78: Para 15: Revised combination of ROAD WORK and WORK ZONE signs with DO NOT PASS sign.
- Section 6F.79: Para 04a: Revised use of reflective markers.
- Para 06: Revised use for temporary raised markers.
- Section 6F.85: Para 07a: Deleted “with cube-corner lenses”.
- Section 6F.87: New language on use of portable transverse rumble strips.
- Section 6F.101(CA): Para 06: Use of W13-1P warning plaque on roads with speed limits of 40mph or higher.
- Section 6F.103(CA): Use of OPEN TRENCH C27(CA) signs.
- Section 6F.104(CA): Replaced “flashing arrow sign” with “arrow board”.
- Section 6F.105(CA): Added “or fluorescent orange”.
- Section 6F.106(CA): Revision to sign placement.
- Section 6F.108(CA): Additional language on use of R111(CA) sign on freeways.
- Figure 6F-3: Deleted No Parking symbol (R8-3) sign; Deleted Axle Weight Limit 5 Tons (R12-2) sign.
- Figure 6F-4: Deleted FALLEN ROCKS (W8-14) sign.
- Figure 6F-7: Deleted Tubular Markers.
- Figure 6F-101(CA): Added RUMBLE STRIPS (C45(CA)), UNEVEN PAVEMENT (C46(CA)), UNEVEN PAVEMENT plaque (C46P(CA)), MOVE OVER OR SLOW WHEN AMBER LIGHTS FLASHING (R111(CA)), PILOT CAR DO NOT PASS (R115(CA)).
- Figure 6F-102(CA): Added Tubular Marker (affixed to pavement).

- Figure 6F-104(CA): New figure for portable changeable message sign or arrow board.
- Table 6F-1(CA): Revised table to include new signs per Figure 6F-101(CA).
- Table 6F-101(CA): Revised Table with added values for 75mph.

6G – Type of Temporary Traffic Control Zone Activities

- Section 6G.07: Para 09: Replaced 6H-4(CA) with 6H-5(CA).
- Section 6G.10: Added “and 6H-10A(CA)”.
- Section 6G.11: Added “6H-10A(CA)”.
- Section 6G.14: Para 03: Added “T10A”.
Para 06: Added “Plans T10 through T14”.
- Section 6G.15: Para 04: Deleted “T10A”; added “T10”.
- Section 6G.17: Para 04: Deleted “T10A”; added “T10”.

6H – Typical Applications

- Table 6H-3: Revised Table with defined speeds.
- Table 6H-4(CA): Revised Table with values for 75mph.
- Notes for Figure 6H-6: New Guidance on bicyclists in TTC zones.
- Figure 6H-7: Use of W24-1 sign included.
- Figure 6H-10A(CA): New figure - use of portable transverse rumble strips included.
- Notes for Figure 6H-15: Reference to Part 5, Section 5A.01 added; deleted Standard for Note 4 and 5.
- Notes for Figure 6H-26: Deleted Standard for Note 4 and 5.
- Figure 6H-26: Optional R3-2 signs shown.
- Notes for Figure 6H-31: Revised text on use of Reverse Curve(W1-4) signs.
- Figure 6H-31: W24-1 sign shown as alternative.
- Notes for Figure 6H-37: New Standard text on item 3 for advanced warning devices and item 9, LANE CLOSED C30(CA) sign.
- Figure 6H-41 & 6H-42: SC-18(CA) shown. Notes discuss its use as an alternative.
- Notes for Figure 6H-101(CA): Deleted Item 8 Standard.
- Figure 6H-101(CA): W20-1 sign shown as alternative.
- Notes for Figure 6H-102(CA): Deleted Item 8 Standard.

6I – Traffic Control Through Traffic Incident Management Areas

- Section 6I.101(CA): New Section – Flooding Ahead Turn Around Don’t Drown.
- Figure 6I-1(CA): Added W86(CA) sign.

Part 7 – Traffic Control for School Areas

7A – General

- Section 7A.01: Para 06: Not strikethrough “to high school”.
Para 06a: Deleted “Option. A school route plan for each school serving middle school or high school students may be prepared.”
- Section 7A.03: Para 03: Replaced “Properly conducted engineering” with “Engineering”;
Added “Devices and treatments described herein are for use in school zones and do not preclude use of other devices and treatments described elsewhere in this document.”; Deleted “N. Bus Transportation”.

7B – Signs

- Section 7B.01: Para 03: Changed “30” to “25”.
- Section 7B.03: Para 02a: Reference to Figures 7B-4, 7B-5 and 7B-5(CA).
- Section 7B.08: Para 01: Strikethrough “such as photo radar systems”.
- Section 7B.12: Para 05b: New text on use of advanced yield lines.
Para 08: Changed “signalized locations” to “controlled approaches”.
- Section 7B.15: Para 04: New reference to SPEED LIMIT (R2-1) sign and Figures 7B-1(CA) and 7B-5(CA).
Para 06: Revised text on use of speed limit signs.
Para 25, 27, 28, 30, 32: Added “20 or”.
Para 27: Added “20 or”.
Para 28: Added “20 or”.
- Section 7B.16: Para 04, 05: Changed Option to Guidance; revised text on use of Reduced Speed School Zone Ahead signs.
- Figure 7B-103(CA): New Note 5 revises use of SLOW SCHOOL XING stencil.
- Figure 7B-104(CA): New reference to Figure 7B-103(CA).
- Table 7B-1: Revised Table showing END SCHOOL ZONE sign as deleted.
- Table 7B-101(CA): Corrected sign sizes.

7C – Markings

- Section 7C.02: Para 05 through 11: Revised paragraphs on marked crosswalks to consolidate text in Guidance, Option and Support Sections.

Part 8 – Traffic Control for Railroad and Light Rail Transit Grade Crossings**8A – General**

- Section 8A.01: Para 07: New reference to Section 1A.13.

8B – Signs and Markings

- Section 8B.21: New Option paragraph on installation of NO TRAIN HORN (W10-9P) plaque below Number of Tracks W48(CA) sign.

8C – Flashing-Light Signals, Gates and Traffic Control Signals

- Section 8C.06: Para 16a: New Option paragraph on track clearance green interval.
- Section 8C.10: Para 03: Not Strikethrough “such as”; Added “an Accessible Pedestrian Signal”.
- Figure 8C-10: In the upper figure, changed “6.25 ft MIN” to “Min. clearance varies”.

Part 9 – Traffic Control for Bicycle Facilities**9A – General**

- Section 9A.06: New Item T on the “Three Feet for Safety Act”, CVC 21760.

9B – Signs

- Section 9B.19: Para 02a: New text on use of NEXT XX MILES(W7-3aP) plaque on freeways.
- Section 9B.102(CA): New section on PASS Bicycle 3 FT MIN (R117(CA)) sign.
- Section 9B.103(CA): New section on EXCEPT Bicycle (R118(CA)) plaque.
- Figure 9B-2(CA): Revised figure to include R117(CA) sign and R118(CA) plaque.
- Table 9B-1: Revised table to include W7-3aP plaque.
- Table 9B-101(CA): Revised table to include R117(CA) sign and R118(CA) plaque.

9C – Markings

- Section 9C.04: Para 11a: New text on placement of bicycle lane adjacent to general purpose lanes.
Para 17: Deleted “(11 to 13 feet between the bike lane line and the curb).
Para 19, 20: Changed “100” to “50”.
Para 27: Changed “Section 9B.17” to “Section 9B.18”.
Para 31: Deleted “Guidance – The 6 inch bike lane stripe should be dropped 100 feet prior to the ramp intersection as shown in Figure 9C-103(CA) to allow for adequate weaving distance.”
Para 36: Changed “100” to “50”.
Para 42 through 52: New text on Buffered Bicycle Lanes.
Para 53 through 62: New text on Contraflow Bicycle Lanes.
Para 63 through 65: New text on Bicycle Lane Line Extensions through Intersections.
- Section 9C.07: Para 02a: Deleted “or shared-use path”; Changed “automobiles” to “motor vehicles”.
- Figure 9C-3: Revised legend.
- Figure 9C-6: Revised Details to include CA standards.
- Figure 9C-101(CA): Changed “100 ft to 200 ft” to “50 ft to 200 ft” for length of Detail 39A.
- Figure 9C-102(CA): Revised and additional Details.
- Figure 9C-104(CA): New figure on Examples of Buffered Bicycle Lanes.
- Figure 9C-105(CA): New figure on Example of Contraflow Bicycle Lanes.
- Figure 9C-106(CA): New figure on Examples of Bicycle Lane Extensions through an Intersection.