

CHAPTER 6G. TTC ZONE REGULATORY SIGNS

Section 6G.01 Regulatory Sign Authority

Support:

01 Regulatory signs such as those shown in Figure 6G-1 inform road users of traffic laws or regulations and indicate the applicability of legal requirements that would not otherwise be apparent.

Standard:

02 **Regulatory signs shall be authorized by the public agency or official having jurisdiction and shall conform with Chapter 2B.**

Support:

03 Some of the California regulatory signs used in TTC zones are shown in Figure 6G-1(CA) and Table 6G-1(CA).

Section 6G.02 Regulatory Sign Design and Size

Standard:

01 TTC regulatory signs shall comply with the Standards for regulatory signs presented in Part 2 and in the FHWA's "Standard Highway Signs" publication (see Section 1A.05).

02 The sizes for TTC regulatory signs shall be as shown in Table 6G-1.

Section 6G.03 Regulatory Sign Applications

Standard:

01 If a TTC zone requires regulatory measures different from those existing, the existing permanent regulatory devices shall be removed or covered and superseded by the appropriate temporary regulatory signs. This change shall be made in compliance with applicable ordinances or statutes of the jurisdiction.

Section 6G.04 Road Closed Signs (R11-2 Series)

Guidance:

01 The ROAD CLOSED (R11-2) sign (see Figure 6G-1) should be used when the roadway is closed to all road users except contractors' equipment or officially authorized vehicles. The R11-2 sign should be accompanied by appropriate warning and detour signing.

Option:

02 STREET CLOSED (R11-2a), BRIDGE OUT (R11-2b), or PATH CLOSED (R11-2c) signs may be substituted for Road Closed signs where applicable.

Guidance:

03 Road Closed signs should be installed at or near the center of the roadway on or above a Type 3 Barricade that closes the roadway (see Section 6K.07).

Standard:

04 Road Closed signs shall not be used where road user flow is maintained through the TTC zone with a reduced number of lanes on the existing roadway or where the actual closure is some distance beyond the sign.

Section 6G.05 Local Traffic Only Signs (R11-3 Series and R11-4)

Guidance:

01 The Local Traffic Only signs (see Figure 6G-1) should be used where road user flow detours to avoid a closure some distance beyond the sign, but where local road users can use the roadway to the point of closure. These signs should be accompanied by appropriate warning and detour signing.

Support:

01a Refer to FHWA's List of Known Errors for errors in Paragraph 1. Refer to Section 1A.04 for more details.

02 In rural applications, the Local Traffic Only sign should have the legend ROAD CLOSED XX MILES AHEAD, LOCAL TRAFFIC ONLY (R11-3).

Option:

03 In urban areas, a ROAD (STREET) CLOSED TO THRU TRAFFIC (R11-4) sign or the legend ROAD CLOSED, LOCAL TRAFFIC ONLY may be used.

04 In urban areas, a word message that includes the name of an intersecting street name or well-known destination may be substituted for the words XX MILES AHEAD on the R11-3 sign where applicable.

05 A STREET CLOSED (R11-3a) or BRIDGE OUT (R11-3b) sign may be substituted for a R11-3 sign, where applicable.

06 The words BRIDGE OUT, BRIDGE CLOSED, or STREET CLOSED may be substituted for the words ROAD CLOSED on the R11-4 sign where applicable.

07 The word RAMP may be substituted for ROAD or STREET where applicable.

Section 6G.06 Weight Limit Signs (R12-1, R12-2, and R12-5)

Standard:

01 A Weight Limit sign (see Figure 6G-1), which shows the gross weight or axle weight that is permitted on the roadway or bridge, shall be consistent with State or local regulations and shall not be installed without the approval of the authority having jurisdiction over the highway.

02 When weight restrictions are imposed because of the activity in a TTC zone, a marked detour shall be provided for vehicles weighing more than the posted limit.

Section 6G.07 STAY IN LANE Signs (R4-9 and R4-9a)

Option:

01 A STAY IN LANE (R4-9) sign (see Figure 6G-1) may be used where a multi-lane shift has been incorporated as part of the TTC on a highway to direct road users around road work that occupies part of the roadway on a multi-lane highway.

Guidance:

02 A STAY IN LANE TO MERGE POINT (R4-9a) sign (see Figure 6G-1) should be used during late merge operations (see Section 6N.19) to direct traffic to use all available lanes until the merge point is reached.

Section 6G.08 Work Zone and Higher Fines Signs and Plaques

Option:

01 A WORK ZONE (G20-5aP) plaque (see Figure 6G-1) may be mounted above a Speed Limit sign to emphasize that a reduced speed limit is in effect within a TTC zone. An END WORK ZONE SPEED LIMIT (R2-12) sign (see Figure 6G-1) may be installed at the downstream end of the reduced speed limit zone.

Guidance:

02 A BEGIN HIGHER DOUBLE FINES ZONE (R2-10) sign (see Figure 6G-1) should be installed at or near the beginning of a TTC zone where increased fines are imposed for traffic violations, and an END HIGHER DOUBLE FINES ZONE (R2-11) sign (see Figure 6G-1) should be installed at or near the downstream end of the TTC zone.

Option:

03 Alternate legends such as BEGIN (or END) DOUBLE FINES ZONE may also be used for the R2-10 and R2-11 signs.

04 A FINES HIGHER, FINES DOUBLE, or \$XX FINE plaque (see Section 2B.25 and Figure 6G-1) may be mounted below the Speed Limit sign if increased fines are imposed for traffic violations within the TTC zone.

05 Individual signs and plaques for work zone speed limits and higher fines may be combined into a single sign or may be displayed as an assembly of signs and plaques.

06 The TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES (C40(CA)) and TRAFFIC FINES DOUBLED IN WORK ZONES (C40A(CA)) (see Figure 6G-1(CA)) signs may be placed approximately 500 feet in advance of the first required TTC sign(s). The placement of the C40(CA) and C40A(CA) signs is at the discretion of the responsible person(s) in charge of the work zone.

Support:

07 Refer to CVC 42009 for fines for offenses committed in highway construction or maintenance area. In California, as per CVC only doubling of the fines is allowed, not higher fines of other denominations.

Guidance:

08 The C40A(CA) sign is intended to be manufactured as a fabric sign and should be used on a short term (daily) basis only. Longer term situations should use the C40(CA) sign.

Support:

09 CVC 22362 applies to "When Workers are Present" condition and signs need to be covered or removed when no work is in progress. However, per CVC 21367, agency can "...regulate the movement of traffic...whenever the traffic would endanger the safety of workers or the work would interfere with or endanger the movement of traffic through the area." If obstructions would be present throughout the project duration the signs would not need to be covered or removed. This would also apply to situations where the construction work changes the highway configuration, curvature or elevation, making it necessary to post reduced speed limits.

Option:

10 The Speed Limit (R2-1) sign with a WORK ZONE (G20-5aP) plaque mounted above it may be used for the protection of workers during working hours to reduce speed limit within a TTC zone.

Standard:

11 **The R2-1 sign with G20-5aP plaque mounted above it shall only be used in conjunction with appropriate advance warning signs.**

12 **The R2-1 signs with G20-5aP plaques mounted above them shall be removed or covered promptly when no longer applicable.**

Support:

13 The R2-1 sign with G20-5aP mounted above it is authorized for use by CVC Section 22362. This section provides authority to post a speed limit of not less than 25 mph at locations where employees of any contractor, or of the agency in charge of the job, are engaged in work upon the roadway.

14 Posting unrealistically low speed limits will result in loss of sign credibility and a high violation rate.

Guidance:

15 *Before using a R2-1 sign with G20-5aP plaque mounted above it, work zone conditions should be analyzed to determine what maximum speed limit would be appropriate for that particular location.*

16 *The R2-1 sign with G20-5aP plaque mounted above it should be placed within 400 feet of the zone where workers are on the roadway or so nearly adjacent as to be endangered by traffic.*

Option:

17 The R2-1 sign with G20-5aP plaque mounted above it may be provided by the agency having jurisdiction over the street or road.

Guidance:

18 *The R2-1 sign with G20-5aP plaque mounted above it should be posted a maximum distance of 400 feet in advance of where, and when workers are present; and the Speed Reduction (W3-5) sign or Speed Zone Ahead (R2-4(CA)) sign informs road users of the reduced speed limit TTC zone.*

19 *As the TTC zone activities change, signs should be moved as appropriate.*

Section 6G.09 PEDESTRIAN CROSSWALK Sign (R9-8)

Option:

01 The PEDESTRIAN CROSSWALK (R9-8) sign (see Figure 6G-1) may be used to indicate where a temporary crosswalk has been established.

Standard:

02 **If a temporary crosswalk is established, it shall be accessible to pedestrians with disabilities in accordance with Section 6C.03.**

Section 6G.10 SIDEWALK CLOSED Signs (R9-9, R9-10, R9-11, and R9-11a)

Guidance:

01 *SIDEWALK CLOSED signs (see Figure 6G-1) should be used where pedestrian flow is restricted.*

Bicyclist/Pedestrian Detour (M4-9a) signs or Pedestrian Detour (M4-9b) signs should be used where pedestrian flow is rerouted (see Section 6I.02).

02 *The SIDEWALK CLOSED (R9-9) sign should be installed at the beginning of the closed sidewalk, at the intersections preceding the closed sidewalk, and elsewhere along the closed sidewalk as needed.*

03 *The SIDEWALK CLOSED, (ARROW) USE OTHER SIDE (R9-10) sign should be installed at the beginning of the restricted sidewalk when a parallel sidewalk exists on the other side of the roadway.*

04 *The SIDEWALK CLOSED AHEAD, (ARROW) CROSS HERE (R9-11) sign should be used to indicate to pedestrians that sidewalks beyond the sign are closed and to direct them to open crosswalks, sidewalks, or other travel paths.*

05 The *SIDEWALK CLOSED, (ARROW) CROSS HERE (R9-11a)* sign should be installed just beyond the point to which pedestrians are being redirected.

Support:

06 These signs are typically mounted on a detectable barricade to encourage compliance and to communicate with pedestrians that the sidewalk is closed. Printed signs are not useful to many pedestrians with vision disabilities. A barrier or barricade detectable by a person with a vision disability is sufficient to indicate that a sidewalk is closed. If the barrier is continuous with detectable channelizing devices for an alternate route, accessible signing might not be necessary.

Section 6G.11 TURN OFF 2-WAY RADIO AND CELL PHONE Sign (R22-2)

Standard:

01 The **TURN OFF 2-WAY RADIO AND CELL PHONE (R22-2)** sign (see Figure 6G-1) shall be used to require road users to turn off mobile radio transmitters and cellular telephones where blasting operations occur.

Support:

02 Section 6H.25 contains information about the full sequence of signs for blasting zones and the specific requirements for location of this regulatory sign.

Section 6G.12 Other Regulatory Signs

Option:

01 Regulatory word message signs other than those classified and specified in this Manual and the "Standard Highways Signs" publication (see Section 1A.05) may be developed and used based on engineering judgment to aid the enforcement of other laws or regulations in TTC zones.

Guidance:

02 Special regulatory signs should comply with the general requirements of color, shape, and alphabet size and series. The sign message should be brief, legible, and clear.

Section 6G.101(CA) RAMP CLOSED (C2(CA)) and RAMP CLOSED, USE RAMP AT __ (SC7(CA)) Signs

Standard:

01 The **RAMP CLOSED (C2(CA))** sign (see Figure 6G-1(CA)) shall be installed at the entrance of an on-ramp or off-ramp that is closed to all road users.

Option:

02 The **RAMP CLOSED, USE RAMP AT __ (SC7(CA))** sign may be used in lieu of the **RAMP CLOSED (C2(CA))** sign.

Guidance:

03 The **RAMP CLOSED AHEAD (C19(CA))** sign (see Figure 6H-1(CA)) should be used in advance of the point where an on-ramp or off-ramp is closed to all road users.

Option:

04 The **USE NEXT EXIT (C38(CA))** sign may be used with the **RAMP CLOSED (C2(CA))** sign on freeways if the next exit provides access to destinations from the closed ramp.

Guidance:

05 The **Day – Specific hours (SC6-3P(CA))** plaque should be installed below the **RAMP CLOSED (C2(CA))** sign to notify motorists when a freeway or expressway on-ramp or off-ramp is temporarily closed for no more than one day.

06 The **Multiple Days – Specific Hours (SC6-4P(CA))** plaque should be installed below the **RAMP CLOSED (C2(CA))** sign to notify motorists when a freeway or expressway on-ramp or off-ramp is temporarily closed for multiple consecutive days.

07 The **RAMP CLOSED** assembly should be removed when the ramp is reopened to traffic.

Standard:

08 The **SC6-3P(CA)** and **SC6-4P(CA)** plaques (see Figure 6I-1(CA)) shall display the correct day of the week, month, calendar date, and times during which the ramp is closed.

Option:

09 For extended ramp closures, a PCMS may be used in advance of the ramp to supplement the **RAMP CLOSED** assembly for the duration of the closure.

Option:

10 The RAMP CLOSED, USE RAMP AT ____ (SC7(CA)) sign may be used in lieu of the combination of the RAMP CLOSED (C2(CA)) sign and USE NEXT EXIT (C38(CA)) sign as shown on Caltrans' Standard Plan T-14 to inform motorists of a closed entrance or exit ramp and to provide an alternate route. See Section 1A.05 for information regarding this publication.

Guidance:

11 *The ____ EXIT – RAMP CLOSED (SC8(CA)) sign should be used to inform motorists of a closed exit ramp.*

Standard:

12 **If used, the SC8(CA) sign shall be placed on the right shoulder, upstream of the preceding exit ramp.**

Guidance:

13 *The EXIT with Arrow (SC18(CA)) sign should be used to inform motorists of the direction to follow for a freeway exit within a work zone.*

Section 6G.102(CA) MOVE OVER OR SLOW WHEN AMBER LIGHTS FLASHING Sign (R111(CA))

01 On Freeways, lane and/or shoulder closures, incident management, and for short duration work, MOVE OVER OR SLOW WHEN AMBER LIGHTS FLASHING (R111(CA)) sign (see Figure 6G-1(CA)) may be temporarily displayed on the back of a work vehicle to warn and regulate road users to move over and/or slow when passing work vehicles displaying a flashing amber warning light within or adjacent to the highway.

Section 6G.103(CA) Moving Lane Closure Signs (W23-1 and SC10(CA), SC11(CA), SC13(CA), SC15(CA))

Standard:

01 On State highways, the following signs (see Figures 6H-1 and 6G-1(CA)) shall be used as shown in Caltrans' Standard Plans T15, T16 and T17 for moving lane closures. See Section 1A.05 for information regarding this publication.

- A. LANE CLOSED AHEAD or ROAD WORK AHEAD (SC10(CA)).
- B. LANE CLOSED (SC11(CA)).
- C. SLOW TRAFFIC AHEAD (W23-1).
- D. DO NOT PASS (SC13(CA)).
- E. CAUTION (SC15(CA)).

02 The Moving Lane Closure signs shall have a black legend on either a white or an orange background.

03 If used, the SC10(CA) sign and a Type II arrow board shall be mounted on the designated sign vehicle.

04 The SC11(CA) sign and a Type II arrow board shall be mounted on the designated sign vehicle.

05 If used, the W23-1 sign shall be mounted on the rear of the designated sign vehicle.

06 The SC13(CA) sign shall be mounted on the rear and/or the front of the designated sign vehicle.

07 If used, the SC15(CA) sign shall be mounted on the front of the designated sign vehicle.

Figure 6G-1. Regulatory Signs and Plaques
in Temporary Traffic Control Zones (Sheet 1 of 2)

G20-5aP



R1-1



R1-2



R1-2aP



R1-7



R1-7a



R1-8



SPEED
LIMIT
50

R2-1



R2-6P



R2-6aP



R2-6bP



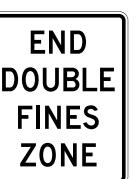
R2-10



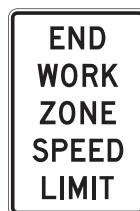
R2-10



R2-11



R2-11



R2-12



R3-1



R3-2



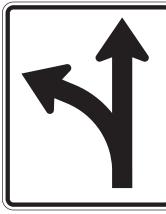
R3-3



R3-4



R3-5



R3-6



R3-7



R3-8



R3-18



R3-27



R4-1



R4-2



R4-7



R4-7c



R4-9



R4-9a



R5-1



R5-1a



R6-1



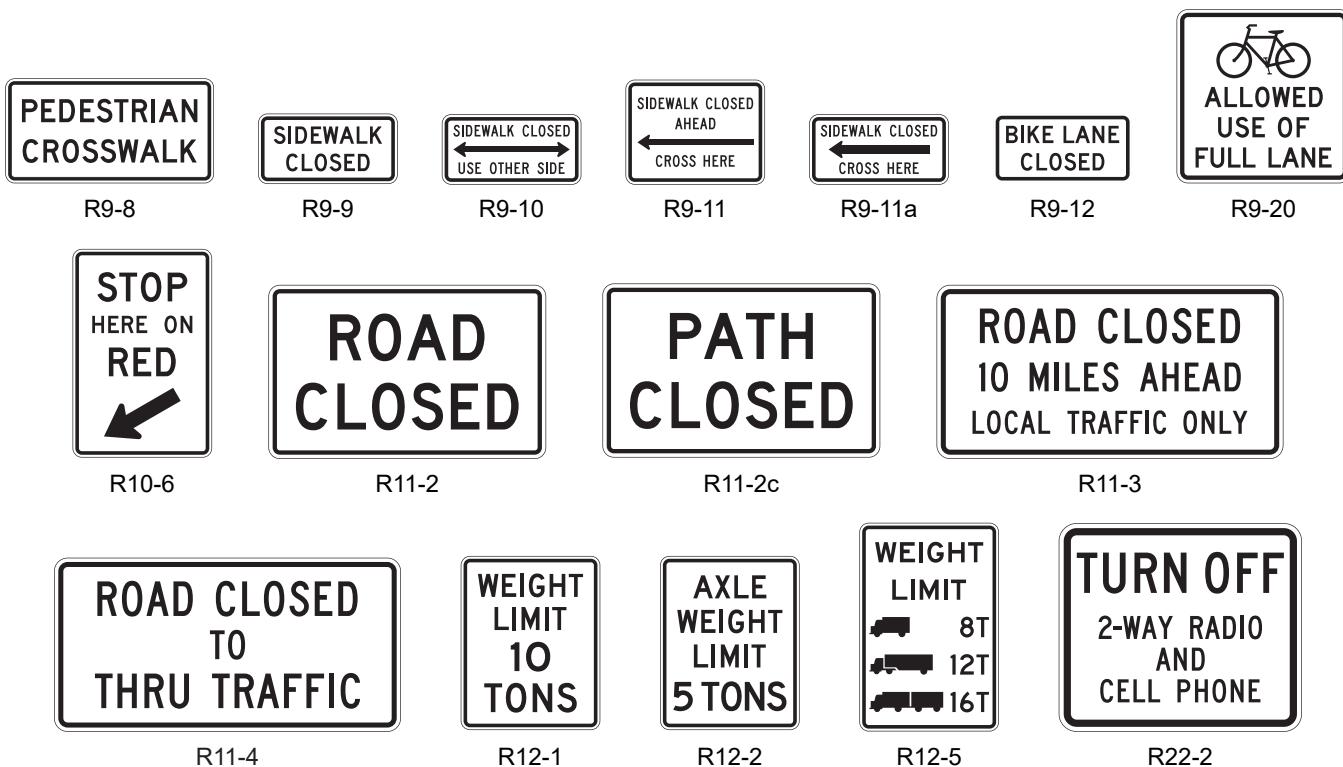
R6-2



R8-3

Note: See Chapter 2B for information on the application of these signs.

**Figure 6G-1. Regulatory Signs and Plaques
in Temporary Traffic Control Zones (Sheet 2 of 2)**



Note: See Chapter 2B for information on the application of these signs.

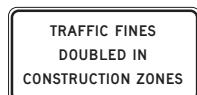
**Figure 6G-101(CA). California Regulatory Signs and Plaques
in Temporary Traffic Control Zones**



C2(CA)



C37(CA)



C40(CA)



R111(CA)



R115(CA)



SC7(CA)



SC10(CA)



SC11(CA)



SC13(CA)



SC15(CA)

Table 6G-1. Temporary Traffic Control Zone Regulatory Sign and Plaque Sizes

Sign or Plaque	Sign Designation	Section	Conventional Road	Freeway or Expressway	Minimum
Stop	R1-1	6G.02	30 x 30*	—	—
Stop (on Stop/Slow Paddle)	R1-1	6D.02	18 x 18	—	—
Yield	R1-2	6G.02	36 x 36 x 36*	—	30 x 30 x 30
To Oncoming Traffic (plaque)	R1-2aP	6G.02	36 x 30	48 x 36	24 x 18
Wait on Stop	R1-7	6L.03	24 x 30	24 x 30	—
Wait on Stop - Go on Slow	R1-7a	6G.03 **	30 x 36	30 x 36	—
Go on Slow	R1-8	6L.03	24 x 30	24 x 30	—
Speed Limit	R2-1	6G.08	24 x 30*	36 x 48	—
Fines Higher (plaque)	R2-6P	6G.00	24 x 10	36 x 24	—
Fines Double (plaque)	R2-6aP	6G.08	24 x 18	36 x 24	—
\$XX Fine (plaque)	R2-6bP	6G.08	24 x 18	36 x 24	—
Double					
Begin Higher Fines Zone	R2-10	6G.08	24 x 30	36 x 48	—
Double					
End Higher Fines Zone	R2-11	6G.08	24 x 30	36 x 48	—
End Work Zone Speed Limit	R2-12	6G.08	24 x 36	36 x 54	—
Movement Prohibition	R3-1,2,3,4	6G.02	24 x 24*	36 x 36	—
Mandatory Movement Lane Control - Turn Only	R3-5	6G.02	30 x 36	—	—
Optional Movement Lane Control - Thru and Turn	R3-6	6G.02	30 x 36	—	—
Right (Left) Lane Must Turn Right (Left)	R3-7	6G.02	30 x 30*	—	—
Advance Intersection Lane Control (2 lanes)	R3-8	6G.02	30 x 30	—	—
Movement Prohibition - No U or Left Turn	R3-18	6G.02	24 x 24*	36 x 36	—
Movement Prohibition - No Straight Through	R3-27	6G.02	24 x 24*	36 x 36	—
Do Not Pass	R4-1	6G.02	24 x 30	36 x 48	—
Pass With Care	R4-2	6G.02	24 x 30	36 x 48	—
Keep Right	R4-7	6G.02	24 x 30	36 x 48	—
Narrow Keep Right	R4-7c	6G.02	18 x 30	—	—
Stay in Lane	R4-9	6G.07	24 x 30	36 x 48	—
Stay In Lane To Merge Point	R4-9a	6G.07	36 x 48	36 x 48	—
Do Not Enter	R5-1	6G.02	30 x 30*	36 x 36	—
Wrong Way	R5-1a	6G.02	36 x 24*	42 x 30	—
One Way	R6-1	6G.02	36 x 12*	48 x 18	—
One Way	R6-2	6G.02	24 x 30*	36 x 48	—
No Parking (symbol)	R6-3	6G.02	24 x 24*	36 x 36	—
Pedestrian Crosswalk	R9-8	6G.09	36 x 18	—	—
Sidewalk Closed	R9-9	6G.10	24 x 12	—	—
Sidewalk Closed, Use Other Side	R9-10	6G.10	24 x 12	—	—
Sidewalk Closed Ahead, Cross Here	R9-11	6G.10	24 x 18	—	—
Sidewalk Closed, Cross Here	R9-11a	6G.10	24 x 12	—	—
Bike Lane Closed	R9-12	6P.01	24 x 12	—	—
Stop Here on Red	R10-6	6L.04	24 x 36	—	—
Road Closed	R11-2, 2a, 2b, 2c	6G.04	48 x 30	—	—
Road Closed - Local Traffic Only	R11-3, 3a, 3b, 4	6G.05	60 x 30	—	—
Weight Limit	R12-1, 2	6G.06	24 x 30	36 x 48	—
Weight Limit	R12-5	6G.06	24 x 36	36 x 48	—
Turn Off 2-Way Radio and Cell Phone	R22-2	6G.11	42 x 36	42 x 36	—
Work Zone (plaque)	G20-5aP	6G.08	24 x 18	30 x 24	—

(Also see C2(CA) Sign Size)

* See Table 2B-1 for minimum size required for signs facing traffic on multi-lane conventional roads

** Refer to FHWA's List of Known Errors for error in the Section reference for the R1-7a sign. Refer to Section 1A.04 for more details.

Notes:

1. Larger signs may be used wherever necessary for greater legibility or emphasis
2. Dimensions are shown in inches and are shown as width x height

Table 6G-1(CA). California Temporary Traffic Control Zone Regulatory Sign and Plaque Sizes

Sign or Plaque	Sign Designation	Section	Conventional Road (Minimum)	Expressway	Freeway	Oversized
RAMP CLOSED	C2(CA)	6G.101(CA)	48 x 30	48 x 30	48 x 30	—
TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR	C37(CA)	6E.04	36 x 42	36 x 42	—	—
TRAFFIC FINES DOUBLE IN CONSTRUCTION ZONES	C40(CA)	6G.08	36 x 36	48 x 48	48 x 48	---
MOVE OVER OR SLOW WHEN AMBER LIGHTS FLASHING	R111(CA)	6G.102(CA)	54 x 18	54 x 18	54 x 18	---
PILOT CAR DO NOT PASS	R115(CA)	6E.04	36 x 18	36 x 18	—	—
RAMP CLOSED, USE RAMP AT	SC7(CA)	6G.101(CA)	84 x 42	84 x 42	84 x 42	—
LANE CLOSED AHEAD or ROAD WORK AHEAD	SC10(CA)	6G.103(CA)	48 x 30	66 x 36	66 x 36	—
LANE CLOSED	SC11(CA)	6G.103(CA)	42 x 30	54 x 42	54 x 42	—
DO NOT PASS	SC13(CA)	6G.103(CA)	42 x 30	54 x 42	54 x 42	—
CAUTION	SC15(CA)	6G.103(CA)	42 x 18	54 x 24	54 x 24	—
DOUBLE FINE ZONE	SR54(CA)	2B.25	30 x 30	42 x 42	42 x 42	—