

CHAPTER 6I. TTC ZONE GUIDE SIGNS

Section 6I.01 Guide Signs – General

Support:

01 Guide signs along highways provide road users with information to help them along their way through the TTC zone. The design of guide signs is presented in Part 2.

Guidance:

02 *The following guide signs should be used in TTC zones as needed:*

- A. Standard route markings where temporary route changes are necessary,*
- B. Directional signs and street name signs, and*
- C. Special guide signs relating to the condition or work being done.*

Standard:

03 **If additional temporary guide signs are used in TTC zones, they shall have a black legend and border on an orange background.**

Option:

04 Guide signs used in TTC incident management situations may have a black legend and border on a fluorescent pink background.

05 When temporary directional signs and temporary street name signs are used in conjunction with detour routing, these signs may have a black legend and border on an orange background.

06 When permanent directional signs or permanent street name signs are used in conjunction with detour signing, they may have a white legend on a green background (see Sections 2D.35 and 2D.45).

Standard:

07 **The sizes for TTC guide signs shall be as shown in Table 6I-1.**

Support:

08 Refer to FHWA's List of Known Errors for error in labeling Paragraph 7. Refer to Section 1A.04 for more details.

09 Some of the California guide signs used in TTC zones are shown in Figure 6I-1(CA) and Table 6I-1(CA).

Section 6I.02 Detour Signs and Plaques (M4-8P, M4-8a, M4-8bP, M4-9, M4-9a, M4-9b, M4-9c, and M4-10)

Standard:

01 **Each detour shall be adequately marked with standard temporary route signs and destination signs.**

Support:

01a Refer to CVC § 21363 for detour signs.

Option:

02 Detour signs in TTC incident management situations may have a black legend and border on a fluorescent pink background.

03 The Detour Arrow (M4-10) sign (see Figure 6I-1) may be used where a detour route has been established.

04 The DETOUR (M4-8P) plaque (see Figure 6I-1) may be mounted at the top of a route sign assembly to mark a temporary route that detours from a highway, bypasses a section closed by a TTC zone, and rejoins the highway beyond the TTC zone.

Guidance:

05 *The Detour Arrow (M4-10) sign should normally be mounted just below the ROAD CLOSED (R11-2, R11-3a, or R11-4) sign. The Detour Arrow sign should include a horizontal arrow pointed to the right or left as required.*

06 *The DETOUR (M4-9) sign (see Figure 6I-1) should be used for unnumbered highways, for emergency situations, for periods of short durations, or where, over relatively short distances, road users are guided along the detour and back to the desired highway without route signs.*

07 *A Street Name sign should be placed above, or the street name should be incorporated into, a DETOUR (M4-9) sign to indicate the name of the street being detoured.*

Option:

08 The END DETOUR (M4-8a) sign or the END (M4-8bP) plaque (see Figure 6I-1) may be used to indicate that the

detour has ended.

Guidance:

09 When the END DETOUR sign is used on a numbered highway, the sign should be mounted above a route sign after the downstream end of the detour.

10 The Pedestrian/Bicyclist Detour (M4-9a) sign (see Figure 6I-1) should be used where a pedestrian/bicyclist detour route has been established because of the closing of a pedestrian/bicycle facility to through traffic.

Standard:

11 If used, the Pedestrian/Bicyclist Detour sign shall have an arrow pointing in the appropriate direction.

Option:

12 The arrow on a Pedestrian/Bicyclist Detour sign may be on the sign face or on a supplemental plaque.

13 The Pedestrian Detour (M4-9b) sign or Bicyclist Detour (M4-9c) sign (see Figure 6I-1) may be used where a pedestrian or a bicyclist detour route (not both) has been established because of the closing of the pedestrian or bicycle facility to through traffic.

Guidance:

14 The DETOUR (M4-8) sign should be placed on tangent sections at intervals not to exceed 0.25 miles and at major intersections.

Option:

15 In urban areas, the M4-8 signs may be placed at every intersection.

Guidance:

16 The DETOUR with Arrow (SC3(CA)) sign (see Figure 6I-1(CA)) should be used for unnumbered highways, for emergency situations, for periods of short duration, or where, over relatively short distances, road users are guided along the detour and back to the desired highway without route markers.

17 The (FWY) DETOUR with Arrow (SC9(CA)) sign (see Figure 6I-1(CA)) should be used to inform motorists of the direction to follow for a detour. The words FWY DETOUR may be substituted for DETOUR, where applicable.

Section 6I.03 EXIT CLOSED Panel

Guidance:

01 When an exit ramp is closed, an EXIT CLOSED sign panel with a black legend and border on an orange background should be placed diagonally across the interchange/intersection guide signs.

Section 6I.101(CA) Construction Project Funding Identification Signs

Option:

01 For use on projects with estimated contract costs of \$1,000,000 or more and 60 working days or more, or 70 working days minimum when Saturdays or holidays are counted as working days, the Construction Funding Identification signs may be used to identify funding sources for a highway project. Formats of the sign series are flexible to include federal, state and/or local agency funding sources. See Figure 6I-101(CA).

Standard:

02 If used, header panel shall include type of project and anticipated year of completion, according to established contract completion schedule, limited to one line each with a minimum letter size based on sign panel size and the "Standard Highway Signs and Markings" book (refer to Section 1A.11), designed to fit within fluorescent orange portion for Building California (C48B(CA)), Federal-Aid Highway Funds - Building CA (C50(CA) Series), and Local Funds Only (C51(CA)) signs, or shall include legend "Your Tax Dollars AT WORK" for Clean California (C49(CA) Series) signs. Installation shall be placed in advance of temporary traffic control zone signs and limited to one sign installed in each direction on up to two approaches.

Guidance:

03 Information on the sign should include type of project, such as Highway Construction, Highway Repair, Highway Improvement, Bridge Construction, Bridge Repair, or Roadside Work for C48B(CA) and C51(CA) signs.

Building California (C48B(CA)) Sign

Option:

04 The C48B(CA) sign may be used on projects funded by State Highway Funds (Building California Funds), formerly known as Senate Bill 1. Format of this sign is flexible to include up to four funding agency pictographs. See Figure 6I-101(CA).

Clean California (C49A(CA) or C49D(CA)) Signs

Option:

05 The C49(CA) Series signs may be used on projects funded by State General Funds (Clean California Funds), projects to beautify and revitalize public spaces across the State. Format of these signs is flexible to include up to four funding agency pictographs. See Figure 6I-101(CA).

Federal-Aid Highway Funds - Building CA (C50C(CA) or C50D(CA)) Signs

Option:

06 The C50(CA) Series signs may be used to identify funding source for a project using Federal-Aid Highway Program funds. Format of these signs is flexible to include up to three funding agency pictographs. See Figure 6I-101(CA).

Standard:

07 The project description used on the C50(CA) Series signs shall be limited to the following project categories:

1. New Pavement
2. New Carpool Lane
3. Bridge Maintenance
4. Bridge Restoration
5. New Biking/Walking Paths
6. Broadband installation
7. Improved Drainage System

Guidance:

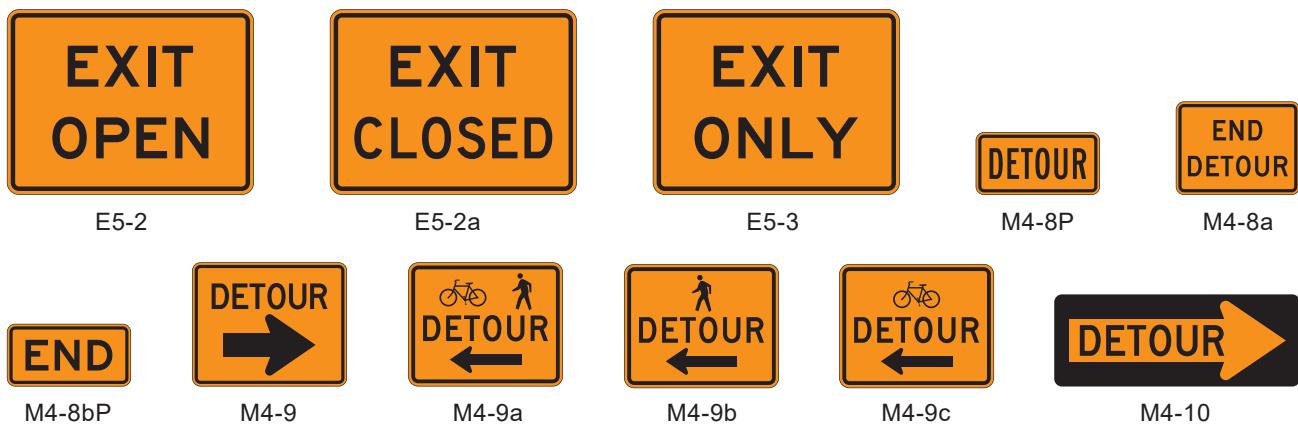
08 If the project scope does not fit any of the project categories, an alternate project category should be considered, such as Highway Construction, Highway Repair, Highway Improvement, Bridge Construction, or Roadside Work.

Local Funds Only (C51(CA)) Sign

Option:

09 The C51(CA) sign may be used on projects funded by local funds only (city, county, or other funding agencies). Format of this sign is flexible to include up to four funding agency pictographs. See Figure 6I-101(CA).

Figure 6l-1. Exit Open and Closed and Detour Signs and Plaques



**Figure 6I-1(CA). California Guide Signs and Plaques
in Temporary Traffic Control Zones**



C20A(CA)



C20B(CA)



C38(CA)



SC3(CA)



SC6-3P(CA)



SC6-4P(CA)



SC8(CA)



SC9(CA)



SC18(CA)

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



C48B(CA)



C49A(CA)



C49D(CA)



C50C(CA)



C50D(CA)



C51(CA)

Table 6I-1. Temporary Traffic Control Zone Guide Sign and Plaque Sizes

Sign or Plaque	Sign Designation	Section	Conventional Road	Freeway or Expressway	Minimum
Exit Open	E5-2	6H.12	48 x 36	48 x 36	—
Exit Closed	E5-2a	6H.12	48 x 36	48 x 36	—
Exit Only	E5-3	6H.13	48 x 36	48 x 36	—
Detour	M4-8P	6I.02	24 x 12	30 x 15	—
End Detour	M4-8a	6I.02	24 x 18	24 x 18	—
End (plaque)	M4-8bP	6I.02	24 x 12	24 x 12	—
Detour	M4-9	6I.02	30 x 24	48 x 36	—
Bike/Pedestrian Detour	M4-9a	6I.02	30 x 24	—	—
Pedestrian Detour	M4-9b	6I.02	30 x 24	—	—
Bike Detour (with arrow)	M4-9c	6I.02	30 x 24	—	—
Detour	M4-10	6I.02	48 x 18	—	—

Notes:

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

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

Sign or Plaque	Sign Designation	Section	Conventional Road (Minimum)	Expressway	Freeway	Oversized
LEFT (sign overlay)	C20A(CA)	6H.07	16 x 7	19 x 8	19 x 8	33 x 10
Numeral (sign overlay)	C20B(CA)	6H.07	6 x 8	8 x 10	8 x 10	10 x 12
USE NEXT EXIT	C38(CA)	6G.101(CA)	---	48 x 36	48 x 36	—
DETOUR with Arrow	SC3(CA)	6I.02	36 x 12	48 x 18	48 x 18	---
Day – Specific Hours (plaque)	SC6-3P(CA)	6G.101(CA)	36 x 18	48 x 24	48 x 24	---
Multiple Days – Specific Hours (plaque)	SC6-4P(CA)	6G.101(CA)	36 x 30	48 x 42	48 x 42	---
EXIT RAMP CLOSED	SC8(CA)	6G.101(CA)	---	84 x 42	84 x 42	---
(FWY) DETOUR with Arrow	SC9(CA)	6I.02	36 x 36	48 x 48	48 x 48	—
EXIT with Arrow	SC18(CA)	6G.101(CA)	---	48 x 48	48 x 48	—
Building California Sign	C48B(CA)	6I.101(CA)	48 x 30	132 x 78	132 x 78	—
Clean California Signs	C49A(CA) & C49D(CA)	6I.101(CA)	48 x 30	132 x 78	132 x 78	—
Federal-Aid Highway Funds-Building CA Signs	C50C(CA) & C50D(CA)	6I.101(CA)	48 x 30	132 x 78	132 x 78	—
Local Funds Only Sign	C51(CA)	6I.101(CA)	48 x 30	132 x 78	132 x 78	—