

Item 21-05 Proposed Changes to the Shared Lane Markings Section 9C.07 (Information Item)

Recommendation: Request the committee to recommend to include in the CA MUTCD, amendments to Section 9C.07 Shared Lane Markings

Agency Making Request/Sponsor: Caltrans

Note: **Red** text is newly proposed text. ~~Struck-out blue~~ text is to be deleted from the CA MUTCD.

Background:

The Shared Lane Marking and green colored pavement have been used extensively in California. There is an identified need for more clarification and guidance of the use for both the Shared Lane Marking and green colored pavement, or the combination of them, when desired.

The proposed changes to the Shared Lane Markings and optional use of green colored pavement expand upon the proposal by the County of Santa Clara at the August 2021 meeting. Since the use each feature in this proposal is optional, Caltrans believes it would be in the best interest of all cities, counties, tribes and the State to publish typical drawings in the CA MUTCD so such Markings and pavement coloring would applied uniformly across the state. Therefore, changes to CA MUTCD are proposed as following. Also attached is the current CA MUTCD figure 9C-109 (CA) to show the revisions proposed.

Proposal:**Section 9C.07 Shared Lane Marking****Spacing***Guidance:*

⁰⁶ *If used, the Shared Lane Marking should be placed immediately after an intersection and spaced at intervals not greater than 250 feet thereafter.*

^{06a} *Closer spacing between Shared Lane Markings should be considered approaching, traversing, and departing intersections, where there is higher potential for conflicts between motorists and bicyclists. See Figure 9C-109(CA).*

Option:

^{06b} *Due to the higher potential for conflicts discussed in paragraph 06a, green colored pavement maybe used to supplement the use of Shared Lane Marking as shown in Figure 9C-109(CA).*

Guidance:

^{06bc} *Closer spacing between Shared Lane Markings should be considered where there are sight distance constraints, for example, approaching the crest of a vertical curve.*

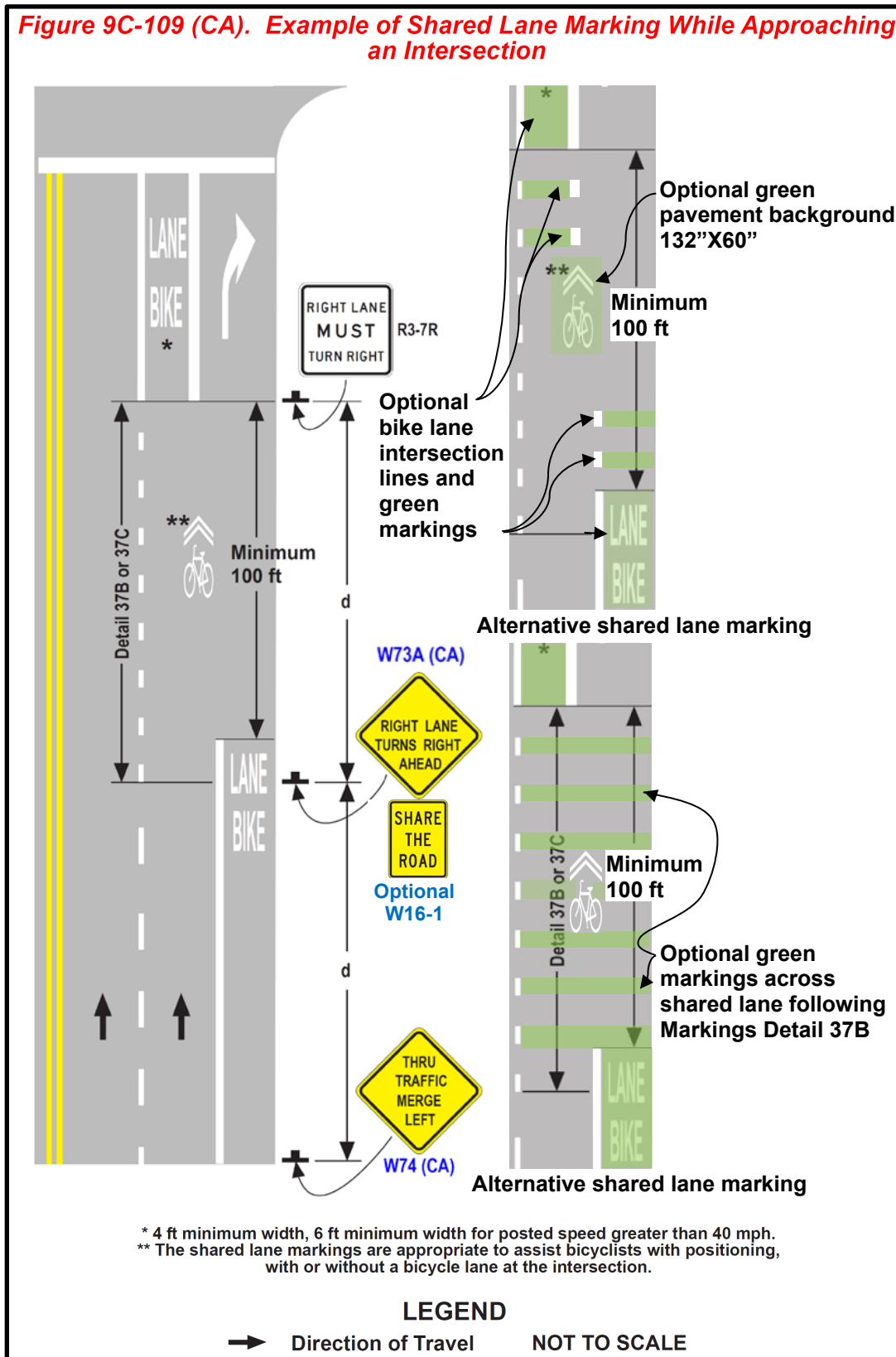
^{06cd} *Closer spacing between Shared Lane Markings should be considered to guide bicyclists when deviating from a straight line of travel, (e.g. merging, angled railroad crossing)*

Option:

⁰⁷ Section 9B.06 describes a Bicycles May Use Full Lane sign that may be used in addition to or instead of the Shared Lane Marking to inform road users that bicyclists might occupy the travel lane.

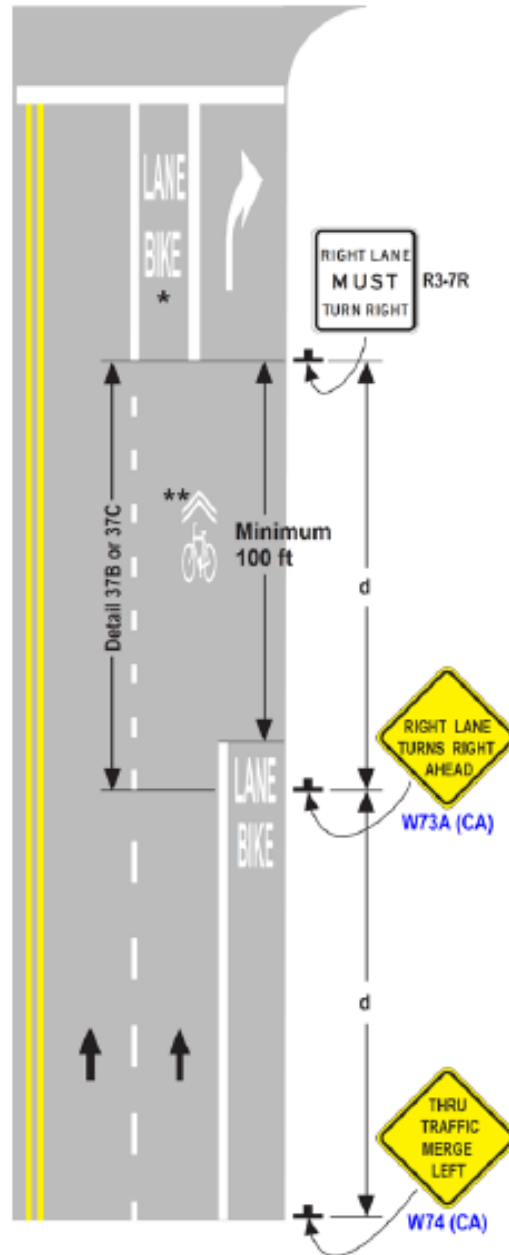
Proposed Figure

Figure 9C-109 (CA). Example of Shared Lane Marking While Approaching an Intersection



Attachment 1: Current CA MUTCD Figure CA-109 (CA)

Figure 9C-109 (CA). Example of Shared Lane Marking While Approaching an Intersection



* 4 ft minimum width, 6 ft minimum width for posted speed greater than 40 mph.
 ** The shared lane markings are appropriate to assist bicyclists with positioning, with or without a bicycle lane at the intersection. More than one shared lane marking may be placed.
 d = Advance Placement Distance (See Section 2C.05)

LEGEND

➔ Direction of Travel NOT TO SCALE