

Design

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Project Title:
Roadside Safety Performance
Measures for Specific
Countermeasures to Protect
Workers

Task Number: 4163

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Roadside Safety Performance Measures for Specific Countermeasures to Protect Workers

This project plans to develop draft guidance documents for safety recommendations

WHAT IS THE NEED?

The previously completed research Task ID 2761 "Performance Measures for Roadside Features" developed a number of recommendations related to roadside features, which if implemented, are expected to enhance worker safety. There is a need to prioritize the list of recommendations and create draft guidance documents (such as memos in the appendices) that would provide templates for Caltrans Maintenance and Design to use to update the Maintenance Manual and Highway Design Manual, and thus realize these safety benefits.

WHAT ARE WE DOING?

In this project, researchers would revisit the list of safety recommendations identified in the previous research Task ID 2761 "Performance Measures for Roadside Features" and develop an updated list of potential safety recommendations. This list will be presented to the Caltrans project panel, and further input will be solicited. Once the list has been finalized, researchers will work with the project panel to prioritize the list based upon panel-developed criteria. An appropriate subset of enhancements will be selected, and researchers will develop draft guidance documents (memo, candidate Highway Design Manual subsection, or similar) which could then be used by Caltrans Maintenance or Design as templates for updating the appropriate manuals.

WHAT IS OUR GOAL?

The goal of this project is to develop draft guidance documents for key safety recommendations and help Caltrans incorporate



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the selected safety recommendations into appropriate manuals, with the goal of enhancing worker safety.

WHAT IS THE BENEFIT?

Developing the guidance documents will facilitate the efforts of Design and Maintenance to incorporate the specific countermeasures into the Highway Design Manual. The ultimate benefit is enhanced worker safety.

WHAT IS THE PROGRESS TO DATE?

The kick-off meeting of this project was held on August 18, 2022. Project panel meetings were held on October 5 and November 30, 2022. On October 27, 2022 the list of safety enhancements were finalized (by working with project panel).

On November 10, 2022, a survey regarding the landscape maintenance practices were sent out to maintenance managers from Caltrans districts. The contractor has submitted a draft landscape maintenance practices guidance document (developed based on feedback from Caltrans maintenance managers) for project panel's review and comments.