

Equipment

MARCH 2021

Project Title:
Review of Truck-Mounted
Attenuator Accessories

Task Number: 3685

Start Date: November 1, 2019

Completion Date: April 30, 2022

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Review of Equipment and Accessories for Truck-Mounted Attenuator (TMA) Trucks

Evaluate various accessories and equipment available for TMA trucks that can improve safety and the function of TMA truck operations.

WHAT IS THE NEED?

The California Department of Transportation (Caltrans) Maintenance workers are exposed to the risk of vehicle impact, particularly in temporary work zones. These work zones also present hazards to the traveling public related to the presence of fixed and mobile equipment and vehicles. Caltrans needs to review new technology in the form of equipment and accessories available for truck-mounted attenuator (TMA) trucks that can improve the safety and function of the TMA operations.

WHAT ARE WE DOING?

The Advanced Highway Maintenance and Construction Technology (AHMCT) Research Center proposes to evaluate specific equipment and accessories available for TMA trucks. This research would include radar speed feedback signs, camera systems able to record multiple views, communication systems, and panic/warning lights.

WHAT IS OUR GOAL?

Reducing hazards to roadway workers and achieving a safer working environment for Caltrans' employees and the public remains a key and critical strategic priority for Caltrans.



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WHAT IS THE BENEFIT?

By identifying and evaluating equipment and accessories that can improve the safety of Caltrans' workers and the traveling public, Caltrans can procure technologies based on tangible demonstrated benefits, leading to a safer highway environment for all, and likely reduced overall costs.

WHAT IS THE PROGRESS TO DATE?

The vendor is developing a quote to upgrade the Autonomous Truck Mounted Attenuator (ATMA) signboard system to support the development and testing for this project. The estimate will include the additional cost to install the technology package on the ATMA vehicle. The research team at UC Davis requested the vendor signboard upgrade include an integrated panic light feature capable of being user-programmed such that custom flash patterns can be uploaded onto the signboard.