



# Safety Program

## Accomplishments 2021



### A New Safety Vision

- Established a public commitment to zero road fatalities and serious injuries by 2050, to be achieved through adoption of the Safe System approach, in the:
  - » [California Transportation Plan 2050](#);
  - » [Caltrans 2020-2024 Strategic Plan](#);
  - » California State Transportation Agency's (CalSTA) [California Climate Action Plan for Transportation Infrastructure \(CaPTI\)](#); and;
  - » [California's 2020-2024 Strategic Highway Safety Plan](#).
- Developed a new Director's Policy on Road Safety to establish a corporate expectation to prioritize safety in all decisions to reach zero



### Building the Program

- Conducted 27 hiring actions to address turnover and established new roles for high-level, ongoing commitment to safety:
  - » Executive Safe System Advisor
  - » Communication and Strategic Delivery Deputy
  - » Proven Safety Countermeasure Champion
  - » Safety Target Specialist
  - » Dedicated Resource Manager
  - » Maintenance Project Liaison



### New Safety Tools

- Developed a Safety Effectiveness Tool to estimate the reduction in fatal and serious injuries for all SHOPP projects
- Developed a data [dashboard](#) to provide direct access to crash data
- Developed a new district performance measurement tool to track the number of Proven Safety Countermeasures implemented in SHOPP and Maintenance Projects
- Launched new [website](#) with one-stop-shop library of Proven Safety Countermeasure tools and guidance
- Prepared the 2021 Traffic Safety Facts document which provides an analysis of crash data highlighting key issue areas, including new findings related to equity



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### New Safety Guidance

- Issued a department-wide memo to officially adopt the terms “crash” in lieu of the term “accident” when discussing traffic crashes
- Issued Proven Safety Countermeasure Guidance for:
  - » Leading Pedestrian Intervals and
  - » Rumble Strips
- Issued a new Safety Programs Record Retention Policy



### New Safety Programs

- Developed and released the:
  - » 2020 Pedestrian Safety Improvement Monitoring Program
  - » 2020 Wrong-Way Driver Systemic Safety Improvement Program
  - » 2019 Wrong Way Collision Monitoring Program (*released 1/2021*)



### Focus on Speed-Reduction Strategies

- Collaborated to secure the passage of **AB-43 (Friedman)** and begun implementing speed limit reduction provisions
- Initiated a research project to develop a Safe System approach to setting speed limits in California (*to replace the outdated 85th-percentile method*)
- Developed interim guidance outlining all available Traffic Calming techniques to increase support for appropriate speeds and complete streets.
- Adopted 13 new speed-related actions to implement specific Zero Traffic Fatalities Task force recommendations.



### Safety Awards

- Strategic Highway Safety Plan selected for [National Roadway Safety Award](#)
- Established the Caltrans Safety Programs Award and recognized eight staff with the award for their exceptional efforts



# Safety Program Accomplishments 2021



## Integrating Safety into the Project Lifecycle

- Established a \$40M HM 4 Safety Pilot Program for utilizing Highway Maintenance to quickly implement pedestrian safety improvements, curve warning, and wrong way driving prevention countermeasures at over 2,000 locations by 2023



**\$40 MILLION**



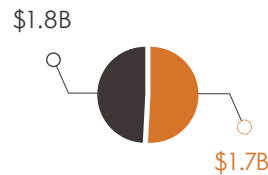
**2 YEARS**



**2000 LOCATIONS**

- Developed new Highway Maintenance safety guidance to include safety improvements in pavement and bridge HM Projects
- Provided advice, approvals, data mining, standards and specifications for safety-related project delivery

**151  
PROJECTS IN  
DEVELOPMENT**



**147  
PROJECTS IN  
CONSTRUCTION**

- Expanded specifications and guidance to facilitate usage of MASH-compliant temporary barriers in work zones and increased the number of approved MASH compliant safety devices



**12 NEW MASH DEVICES APPROVED**



## Pivoted the Strategic Highway Safety Plan

- Published the SHSP 2020-2024 Update
- Adopted Four Guiding Principles including Integrate Equity, Integrate a Safe System Approach, Double Down on What Works and Accelerate Advanced Technology
- Shifted from "Towards Zero Deaths" to a more aggressive goal of "Zero Fatalities and Serious Injuries"
- Developed a Working Definition of Equity
- Expanded and diversified Executive and Steering Committee Membership
- Established a new SHSP Action Development and Approval Process
- Adopted 25 new actions in the five high priority challenge areas