

California

Strategic Highway Safety Plan (SHSP)

ITE Workshop

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Caltrans



Background on the SHSP

- Safe, Accountable, flexible, efficient, transportation Equity Act: A legacy for users (SAFETEA-LU)
- Moving Ahead for Progress in the 21st Century Act (MAP-21)
- Fixing America's Surface Transportation Act (FAST)
- California developed its first SHSP in 2005 to focus on reducing traffic fatalities and serious injuries on all public roads
- Currently, we are on the third update 2020-2024



What is the SHSP?

- Statewide, coordinated traffic safety plan
- Provides the framework to reduce fatalities and serious injuries on all California public roads
- Strategic, data-driven process
- Follows federal guidance
- Consists of three groups
 - Executive Leadership
 - Steering Committee
 - Challenge Area Teams



California

Strategic Highway Safety Plan (SHSP)

Accomplishments and Improvements
from the 2015–2019 SHSP



Accomplishments from 2015–2019 SHSP

From the 2015–2019 SHSP, 110 implementation action items were accomplished by December 31, 2019.

Highlights include:



Increased the number of CHP personnel who have completed **Advanced Roadside Impaired Driving Enforcement (ARIDE)** training to **96%**

Launched “**Alive at 25**” campaign aimed at **teen-specific driver diversion programs**



Systemic Safety Analysis Report Program was developed with **over 100 safety plans funded**



Trucker Appreciation Activities

- Hosted **six trucker appreciation events** with **1,500 drivers attending**
- Held **two trucker appreciation days** in **2018** and **nine** in **2016**



Accomplishments from 2015–2019 SHSP



In 2018, CHP conducted **enhanced enforcement operations focused on pedestrian safety**, including pedestrian safety enforcement operations, school zone enforcement operations, and vehicles illegally passing school zones operations, **resulting in 2,946 citations** to motorists, bicyclists and pedestrians

Held over **1,000 pedestrian outreach and education traffic safety events** reaching over **300,000 people**

California held **over 20 train-the-trainer sessions** to expand the Traffic Incident Management (TIM) training program



Implemented an **HSIP program** that incorporated **High Friction Surface Treatment (HFST)** incentives and **prioritized low-cost safety methodologies**

- **3 HFST projects** funded in Cycle 9 HSIP call for projects
- **107 low-cost safety measures** funded in Cycle 9 HSIP call for projects



California

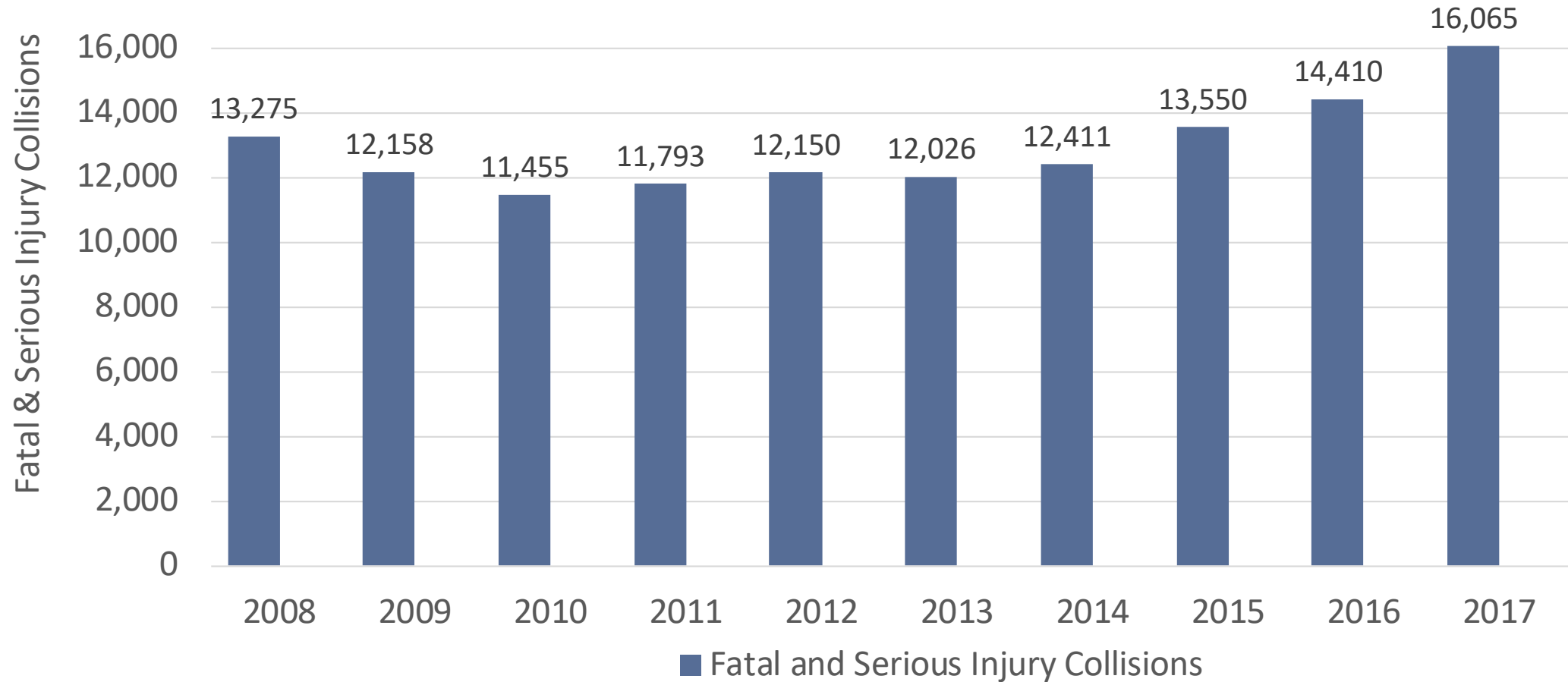
Strategic Highway Safety Plan (SHSP)

Statewide Collision Data



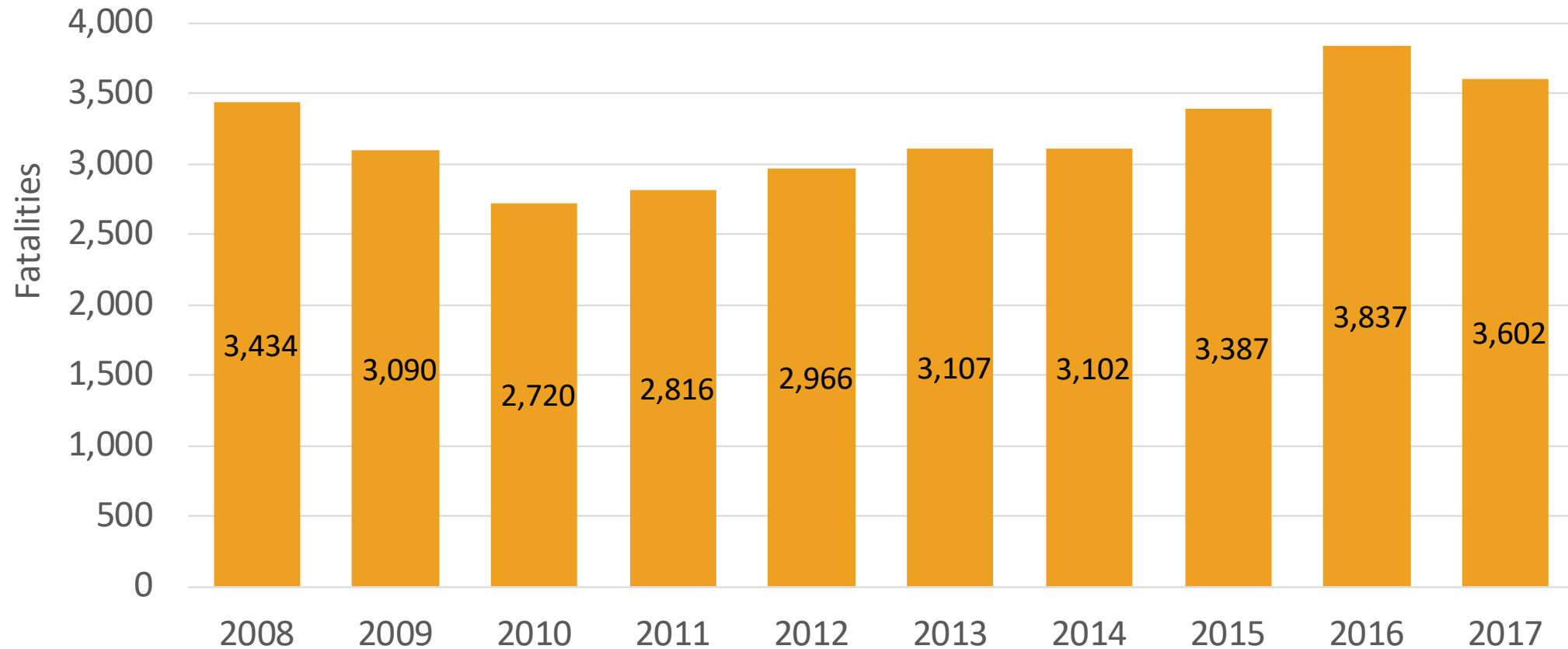
Statewide Collision Data

Total Fatal and Serious Injury Collisions by Year



Statewide Collision Data

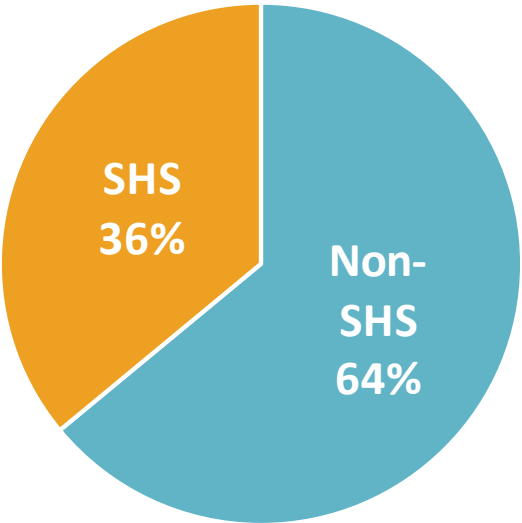
Total Fatalities by Year



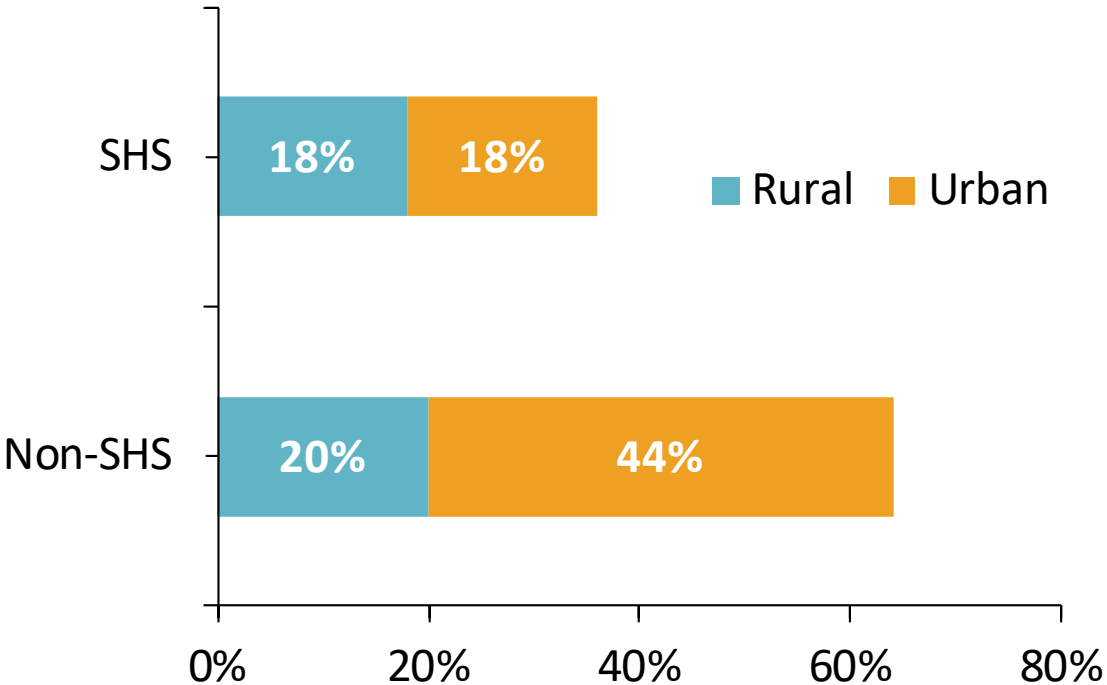
Statewide Collision Data

Total Fatal and Serious Injury Collisions by Location

State Highway System (SHS)
vs. Non-SHS



Percent of Victims by Location

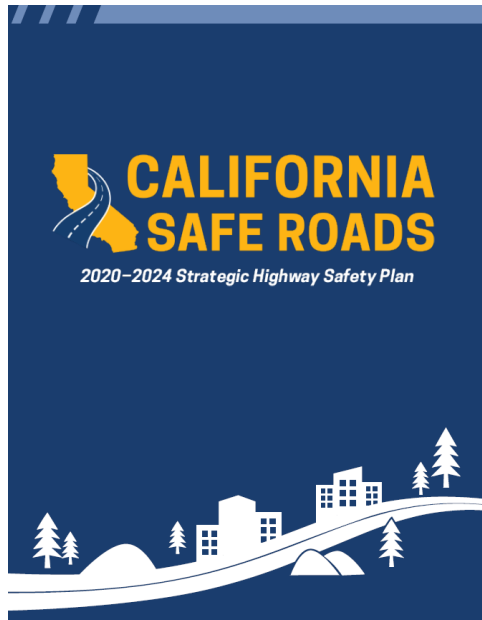


California Strategic Highway Safety Plan (SHSP)

2020–2024 SHSP

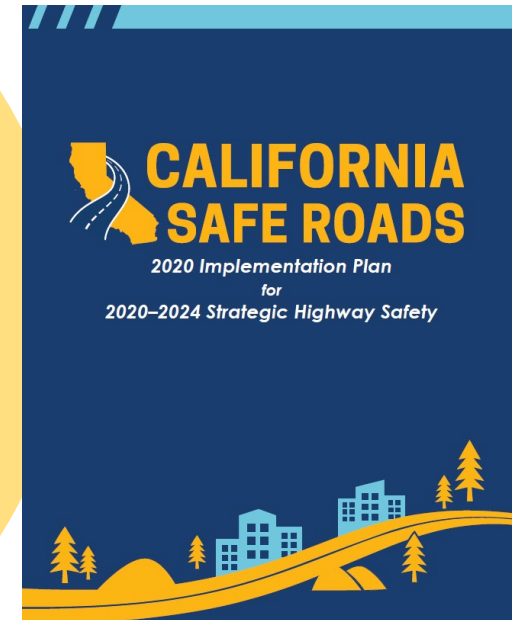


Two-Plan Approach



SHSP Plan
contains the vision,
mission, and goal

**Implementation
Plan**
includes the
specific actions that
each challenge area
will take to achieve
the objectives



Vision, Mission, & Goal

VISION

Safe Public Roads Across California

MISSION

Ensure safety for all modes of travel on California's public roads

GOAL

Toward Zero Fatalities and Serious Injuries

Challenge Areas



Lane Departures



Impaired Driving



Aggressive Driving



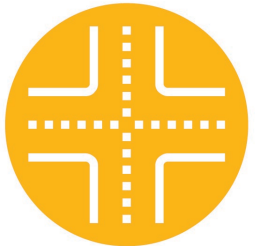
Driver Licensing



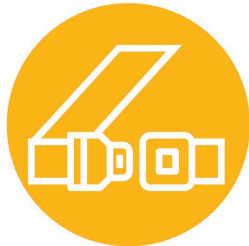
Pedestrians



**Emerging
Technologies**



Intersections



**Occupant
Protection**



Motorcyclists



Aging Drivers



Young Drivers



Commercial Vehicles



Distracted Driving



Bicyclists



Work Zones



Emergency Response

Strategies: 5 Es of Traffic Safety

Prevent fatalities and serious injuries by implementing actions that support the following five overarching strategies:



Education: Educate all road users to adopt safe behaviors



Emergency Response: Improve emergency response



Emerging Technologies: Apply emerging technologies



Enforcement: Enforce actions to reduce high-risk behaviors



Engineering: Apply effective and/or innovative countermeasures

California Strategic Highway Safety Plan (SHSP)

What's Next?



Institutionalize Four Guiding Principles



**DOUBLE DOWN
ON WHAT WORKS**



**ACCELERATE
ADVANCED
TECHNOLOGY**



**IMPLEMENT SAFE
SYSTEM
APPROACH**



**INTEGRATE
EQUITY**



The diagram displays 16 road safety countermeasures in a 4x4 grid:

- Row 1:** Road Diet, Yellow Change Intervals, Median Barrier, Enhanced Delineation for Curves
- Row 2:** Roadside Design Improvements at Curves, Rumble Strips, Corridor Access Management, Reduce Left Turn Conflict Intersections
- Row 3:** USLIMITS2, Local Roadway Safety Plan, Dedicated Turn Lanes at Intersections, Roundabouts
- Row 4:** Road Safety Audit, Leading Pedestrian Interval, Safety Edges, Systemic Application of Countermeasures at Stop-Controlled Intersections

Row 5 (partial): Backplates with Retroreflective Borders, Pedestrian Hybrid Beacon, Walkways, Pedestrian Crossing Islands





Accelerate Advanced Technology

Apply technology to our roadway system



Vehicles



Infrastructure



Safety Data

Source: BusinessWorld



Safe System Approach

Safe System Principles



Death or serious injury is unacceptable



Humans make mistakes



Humans are vulnerable



Systems Approach



Redundancy is crucial



Safety is proactive, not reactive



Integrate Equity

Integrating equity is critical to addressing institutional and systemic bias that has resulted in disproportionate impacts to certain communities

- Ensure that the processes, strategies and outcomes of the SHSP serve all, but particularly vulnerable and traditionally underserved populations
- Institutionalize equity by formally integrating into all aspects of the SHSP
- Develop a working definition of equity in the context of the SHSP

Priority Challenge Areas



Lane Departures



Impaired Driving



Aggressive Driving



Driver Licensing



Pedestrians



Emerging Technologies



Intersections



Occupant Protection



Motorcyclists



Aging Drivers



Young Drivers



Commercial Vehicles



Distracted Driving



Bicyclists



Work Zones



Emergency Response

California Strategic Highway Safety Plan (SHSP)

Get Involved



Upcoming Activities

- Summer e-Newsletter
- Action item development
- Statewide Traffic Safety Summit*
- Regional Workshops*

*Gatherings will not occur until allowed and adhering to California's COVID-19 guidance

GET INVOLVED

Visit the website: <https://dot.ca.gov/programs/safety-programs/shsp>

Want to help shape the future of traffic safety in California? Learn more about safety initiatives in California? Have innovative roadway safety ideas or goals? Get involved by joining a Challenge Area Team! Your involvement can make all the difference in helping California apply proven approaches and activities to strategically drive down traffic-related fatalities and serious injuries.

Get Involved!

<https://bit.ly/2E9mSul>

Subscribe to the newsletter!

<https://bit.ly/3iUDTrK>

E-mail!

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