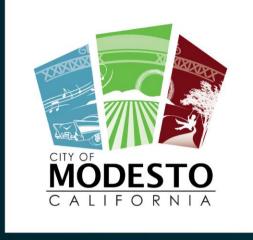


MODESTO SAFE STREETS FOR ALL

Safety Task Force Kick-Off Meeting September 30, 2024



OPENING REMARKS

Setting the Stage for Safety Change



Role of the Task Force

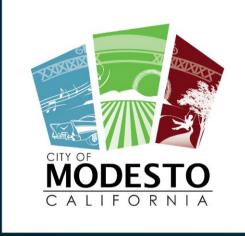
The Safety Task Force (STF) will oversee the development of Modesto's Safe Streets for All Program along with its implementation and monitoring. The STF will help achieve the following:

- Break down siloes and collaborate across disciplines
- Incorporate diverse perspectives and expertise
- Build momentum and capacity
- Create safety champions at the highest levels of leadership



Task Force Introductions

- Please share your name, organization, and role
- What's your favorite street in Modesto?

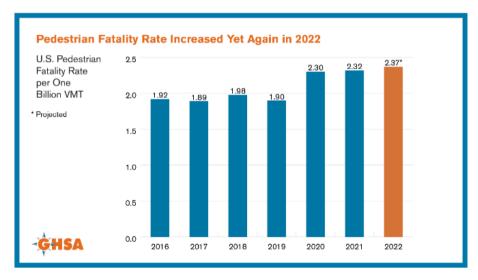


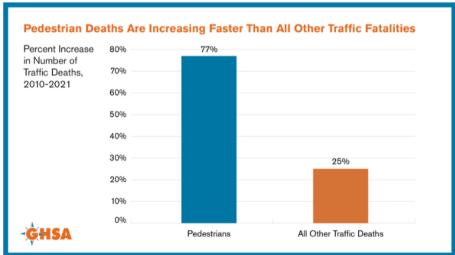
SAFE SYSTEM APPROACH

Context and Overview



National Safety Context



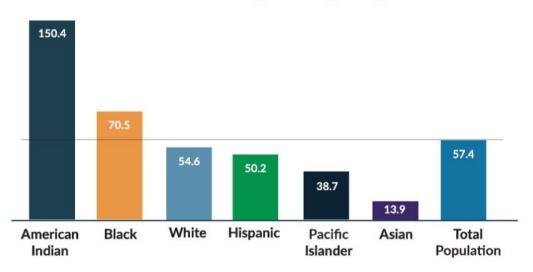




National Safety Context

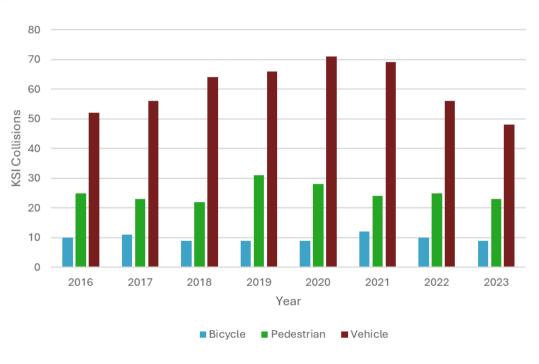
And disproportionately for equity priority communities

Total U.S. Traffic Deaths per 100,000, 2016-2020





Local Crash History





National Commitment

Critical USDOT Leadership is acknowledging and addressing this





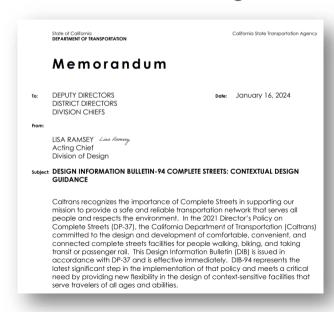
National Roadway Safety Strategy

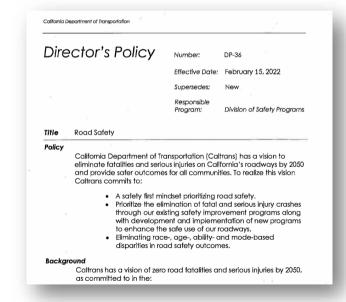
United States Department of Transportation | January 2022



State Commitment

Caltrans has also aligned with the Safe System Approach







Safe System Approach

The Safe System approach aims to eliminate fatal and serious injuries for all road users by:



Accommodating human mistakes



Keeping impacts on the human body at tolerable levels



Safe System Approach

VS

The Safe System Approach is a Paradigm Shift

Traffic deaths are **INEVITABLE**

PERFECT human behaviour

Prevent **COLLISIONS**

INDIVIDUAL responsibility

Saving lives is **EXPENSIVE**

Traffic deaths are **PREVENTABLE**

Integrate **HUMAN FAILING** in approach

Prevent FATAL AND SEVERE CRASHES

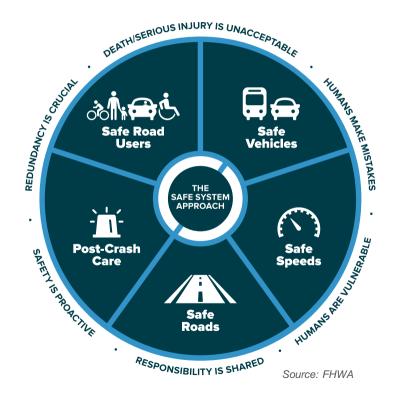
SYSTEMS approach

Saving lives is **NOT EXPENSIVE**

Source: Vision Zero Network



Safe System Approach





Public Transit

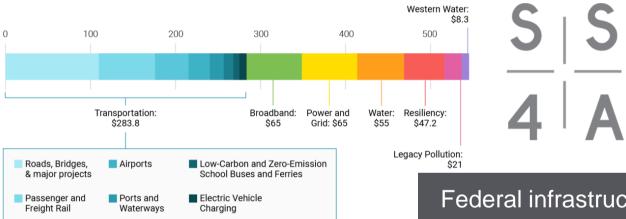
Safety and

Research

Reconnecting

Communities

Safe Streets and Roads for All (SS4A) Program



Federal infrastructure law established \$5 billion for Safe Streets & Roads for All grant program over 5 years (2022-2027) to support the National Roadway Safety Strategy.



Kinetic Energy Risk

The Core Problem: Kinetic Energy Risk

- Exposure
- Likelihood
- Severity





Safe System Pyramid



- Concept and Development
- Hierarchy of Strategies:
 Effort vs. Impact
- Public Health-BasedIntervention Framework



Safe Streets and Roads for All (SS4A) Program

The Safe Systems Pyramid – Stakeholders



Public Information Office, Policymakers, Police Department, Schools, and Public Heath

Engineering & Operations, City Manager, and State DOT

Engineering & Operations, Street Sweeping, and State DOT

Engineering & Operations, Construction Administration, Schools, Policymakers, Emergency Response, Parks & Recreation, and State DOT

Engineering & Operations, Land Development Engineering, Construction Administration, Schools, Policymakers, Transit, Housing, Parks & Recreation, and Public Health



Modesto Safe Streets for All Task Force

Focusing on change management means:

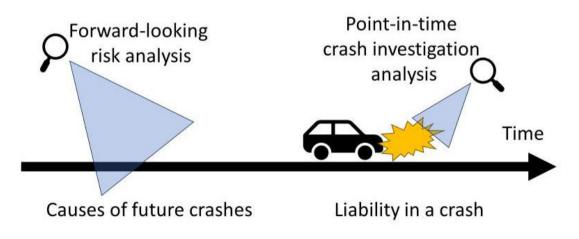
- ✓ Learning from epidemiologists
- ✓ Forming the "magic triangle"
- ✓ Getting out of our own way





Upstream Interventions

How Should We Focus on Prevention?



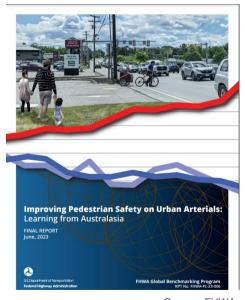
Flipping the 'E' to a 'W'

- Introduction to the 'Ws' of Safety
 - Who, Where, Why,When, What, Which
- Extending the Collision
 Timeline to Understand
 Root Causes

Adapted from Hauer, E. (2016). An exemplum and its road safety morals. Accident Analysis & Prevention, 94, 168-179.



Movement & Place Framework



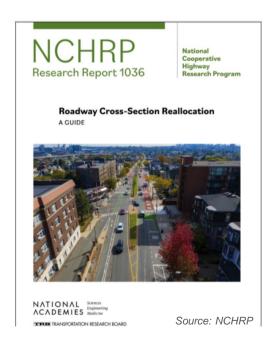
Source: FHWA



Source: Transport for New South Wales (2016).



Complete Streets Tradeoffs



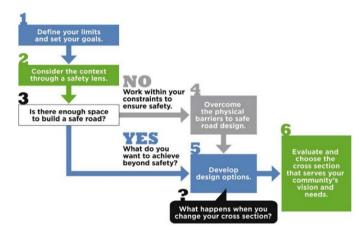
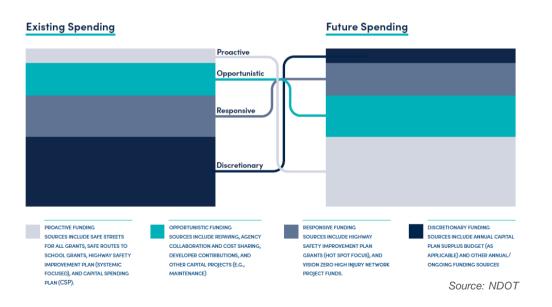


Figure S-1. Decision-Making Framework for Roadway Cross Sections.

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Funding Strategies





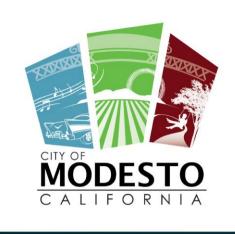
Key Considerations for Plans

Must Include

- Where are the highest risk locations for severe injuries and fatalities
 - Crash data history
 - Community input
 - Kinetic energy risk assessment of conflicts for:
 - Exposure
 - Likelihood
 - Severity
- Who is most affected by these risks?
- What is the most impactful response?

Must Address

- What pivot is needed to do the most impactful things?
 - Funding Policies
 - Design decisions
 - Partnerships with other agencies
- Who are the champions?
- What projects/efforts need to stop for safe system consistency?
- How will accountability be checked?



DISCUSSION



Discussion



What about the paradigm shift to a safe system approach resonated with you?



Discussion



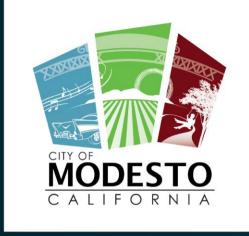
- What about the paradigm shift to a safe system approach resonated with you?
- What barriers or challenges do you anticipate when making this shift?



Discussion



- What about the paradigm shift to a safe system approach resonated with you?
- What barriers or challenges do you anticipate when making this shift?
- 3 Who else should be on the task force?



SAFETY PLANNING IN MODESTO

Review of Past Planning Efforts



OAKDALE ROAD: PHASE 1

CELESTE DRIVE TO LANCEY DRIVE

Systemic Safety Analysis Report (2021)





- Plan Purpose
 - Identify opportunities for the City to improve safety for all modes
- Plan Components
 - Safety Data Analysis
 - Projects
 - Funding & Implementation



Local Road Safety Plan (2022)

Vision and Goals

Modesto Safety Vision Statement

Proactively implement multimodal transportation safety improvements to eliminate fatal and severe injuries throughout the City of Modesto

The Modesto Safety Vision Statement was developed based on work completed through the SSAR, including stakeholder feedback and input from city staff. The city's vision statement sets a concise yet comprehensive framework to guide the city's investments in multimodal safety, education, emergency services, and enforcement.

- Implement roadway and intersection improvements that increase the visibility of road users, especially for people walking and biking.
- Enhance roadway crossings, especially near schools and other high pedestrian activity areas, to promote and support safe travel for people walking and biring.
- Increase the number of roadway and intersection improvements that promote safe turning movements of motorists at intersections and along high-speed roadways.
- Encourage people to drive at lower speeds with roadway design improvements and signage.
- Increase multi-jurisdictional collaboration through enhanced technology (such as shared databases) among city agencies, health care, and enforcement on post-crash care.
- Discourage motorists from driving under the influence through educational and enforcement programs, and decrease the severity of DUI collisions through roadway infrastructure improvements.

Countermeasures

The Mediesto SSAR provides an in-depth quick on empireering countermeasures for each collision profile. Including decision-making frameworks for safety improvements, detailed descriptions of countermeasures with cost estimates, and feasibility and implementation considerations for each engineering information can be found in Chapter 3 of the SSAR. This section presents additional safety countermeasures to include Road Users and Post Crash Care, supplementing the SSARs engineering focused countermeasures on roadway design and speeds on roadway design and speeds on roadway design and speed so portunities to consider autonomous which planning and ITS technologies which global manufacture and the control of the control o





- Plan Purpose
 - Build on the SSAR
- Plan Components
 - Safe System Approach
 - Vision & Goals
 - Other "F's"



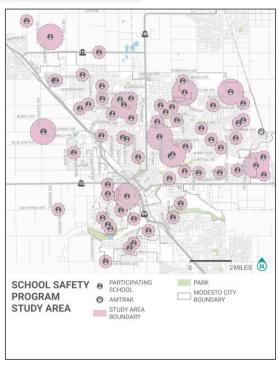
Non-Motorized Transportation Plan (2024)



- Plan Purpose
 - Guiding document to create a transportation system for all roadway users
- Plan Goals
 - Connectivity
 - Safety
 - Accessibility
 - Education and Encouragement
 - Quality of Life
 - Funding and Implementation



School Program Safety Study (2024)

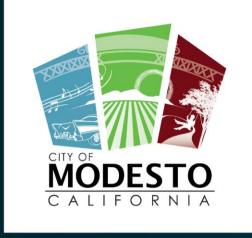


Plan Purpose

 Identifies actionable recommendations to improve safety for people walking and biking near 68 schools in and around Modesto

Plan Focus Area

- Roadways within ¼ mile of elementary and middle schools and ½ mile of high schools.
- Results are described by High School
 Catchment Area



MODESTO SAFE STREETS FOR ALL PROGRAM

Project Scope and Goals



Modesto Safe Streets For All Overview

Action Plan: Goals

- Establish funding eligibility
- In-depth, contemporary analysis
- Robust public engagement
- Prioritize investments and implementation

Safety Education Campaign: Goals

- Test strategies
- Build awareness
- Change behavior
- Measure performance
- Establish scalable public safety campaign



Modesto Safe Streets For All: Action Plan

Action Plan Elements	Activities and Deliverables
Leadership Commitment + Goal Setting	 Support Modesto with commitment language to be adopted by City Council Help Modesto determine a target date for achieving zero roadway fatalities and serious injuries
Planning Structure	 Identify stakeholders to serve on the Safety Task Force Gather Task Force feedback to inform Action Plan development
Safety Analysis	 Develop a systemic safety analysis Identify a High Injury Network (HIN) Prioritize HIN implementation
Engagement + Collaboration	 Organize a robust community engagement effort Partner, empower, and collaborate with community leaders and groups Provide detailed engagement summary reports



Modesto Safe Streets For All: Action Plan

Action Plan Elements	Activities and Deliverables
Equity Considerations	 Develop an equity analysis Recommend equity-informed policies, programs, and projects
Policy + Process Changes	 Assess Modesto's existing safety practices Benchmark existing practices Develop a comprehensive recommendation framework
Strategy + Project Selections	 Identify specific actions Develop infrastructure, behavioral, and operational safety countermeasures Develop 10% concept plans
Progress + Transparency	 Identify evaluation performance measures Develop a Year 1 Implementation Workplan Educate community partners and the public on how they can stay involved



Modesto Safe Streets For All: Safety Education Campaign

Proposed Work Scope

- Review research and develop recommendations
- Define goals/objectives and "theory of change"
- Develop marketing plan and campaign concepts
- Design campaign and produce materials
- Media procurement and print management
- o Implement, monitor, and optimize campaign
- Evaluate campaign performance
- Develop final summary report



Modesto Safe Streets For All Program Schedule

Project Schedule

Task

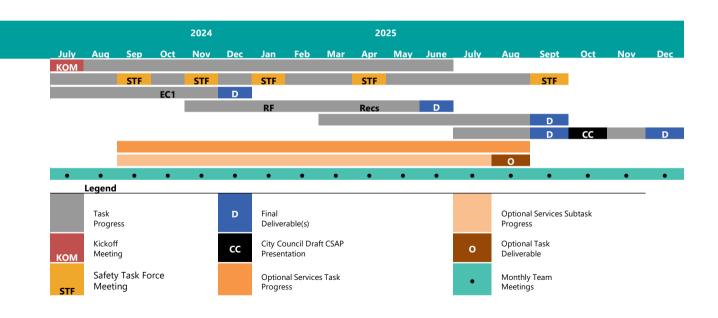
Modesto SS4A Safety Action Plan

1. Project Management/Administration

- 2. Stakeholder Engagement
- 3. Existing Conditions Analysis
- 4. Implementation Strategy
- 5. Measuring Progress/Reporting
- 6. Comprehensive Safety Action Plan
- 7. Optional Tasks

7.1 Safety Education Campaign Pilot

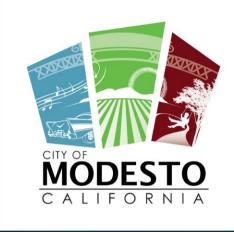
Monthly Check-In Meetings





Modesto Safe Streets For All Program: Task Force Activities

- Meet five times over the course of the project
- Review and provide input on key deliverables
- Help promote public engagement activities
- Build awareness, momentum, and a culture of safety
- Support program monitoring and implementation



NEXT STEPS



Recent & Upcoming Activities: Fall/Winter 2024

- Stakeholder Engagement Planning and Implementation
 - Develop and launch website and interactive survey map
 - Create collateral material (workshop boards, 2' x 3' printed maps, business cards)
 - Conduct three pop-up workshops and one virtual community workshop

Existing Conditions Analysis

- Develop up to four high-injury networks
- Create eight collision profiles
- Conduct a systemic risk analysis
- Benchmark existing plans/policies

Safety Education Campaign Pilot Development

- o Coordinate with findings of existing conditions analysis and recommend campaign focus
- o Conduct information gathering on communication channels, outlets, etc.
- Develop campaign approach and marketing plan



Next Safety Task Force Meeting



Time: Late fall or early winter date for Task Force Meeting #2

Meeting Format: Virtual Meeting

Topic:

- Diving into the data to understand safety trends, areas of priority need, and findings of benchmarking assessment
- Introduce the Safety Education Campaign Pilot



Q&A

