U.S. Department of Transportation
Federal Highway Administration

ZERO IS OUR GOAL
A SAFE SYSTEM IS HOW WE GET THERE

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MAKING SAFETY EVERYONE'S BUSINESS:
INTEGRATE SAFETY INTO ALL PROGRAMS AND PROJECTS

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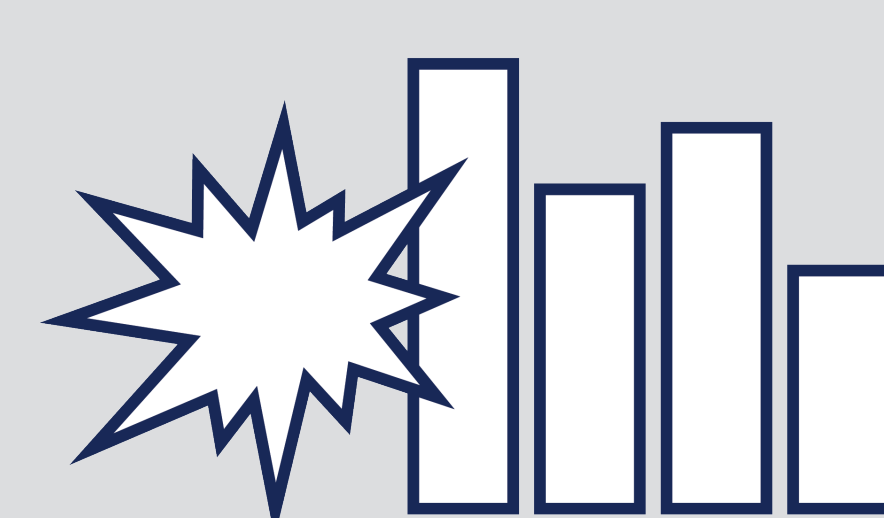♻ = FHWA RESOURCE   ⚙ = IMPLEMENTATION EXAMPLE

How can transportation agencies, stakeholders, and advocates better work together to improve road safety for all users and achieve the goal of zero fatalities?

The Highway Safety Improvement Program (HSIP), core Federal-aid funding program for safety, represents only 6 percent of the available funds from the Federal-aid Highway Program. **HSIP funds alone cannot eliminate fatalities on roadways**. Agencies should integrate safety into other transportation projects, as **every transportation project is a chance to improve safety**. Transportation agencies, practitioners, stakeholders, and advocates can work together to identify opportunities and incorporate changes to improve safety in transportation projects throughout the project development process.

How States are integrating safety into all programs & projects:

Establish policies and processes that prioritize accommodations of all users from project initiation.

Adopt policies and procedures to conduct safety performance assessments on each project, regardless of funding source. Safety performance assessments quantify the potential effects of transportation investment decisions in terms of crash frequency and severity.

Develop design manuals that support improving safety for all road users, practices for assessing and evaluating safety performance, and guidance on when and how to use safety countermeasures.

Provide training on the Safe System Approach to broaden staff awareness and build a culture of safety.

Organizational Safety Culture & Programmatic Safety Integration

- Safety Culture and Safe System Resources ♻
- Complete Streets Initiative ♻
- Data Driven Safety Analysis ♻
- ITE's Integration of Safety in the Project Development Process and Beyond: A Context Sensitive Approach
- Improving Road Safety for All Users on Federal-Aid Projects Request for Information
- NCHRP's Successful Approaches for the Development of an Organization-Wide Safety Culture in Transportation Agencies
- Caltran's Director's Policy on Road Safety ⚙
- WSDOT's Sustainable Safety Analysis ⚙
- Traffic Safety Culture Primer
- Traffic Safety Culture Pooled Fund Study

Planning & Programming

- MPO Guidebook for Using Safety as a Project Prioritization Factor ♻
- Building Links to Improve Safety: How Safety and Transportation Planning Practitioners Work Together Report ♻
- Transportation Safety Planning resources ♻
- A Primer on Safety Performance Measures for the Transportation Planning Process ♻
- Applying Safety Data and Analysis to Performance-Based Transportation Planning ♻
- NCHRP Report 811: Institutionalizing Safety in Transportation Planning Processes: Techniques, Tactics, and Strategies
- PennDOT Connects ⚙
- DVRPC's TIP-LRP Project Benefit Evaluation Criteria ⚙
- Kentucky's Strategic Highway Investment Formula for Tomorrow (SHIFT) ⚙
- VDOT's SMART SCALE: Learn How it Works ⚙

Engineering & Design

- Scale and Scope of Safety Assessment Methods in the Project Development Process
- Incorporating Safety in to Project Purpose and Need (PennDOT, FDOT, and ODOT) ⚙
- Guidance – Information: Review of State Geometric Design Procedures or Design Criteria for Resurfacing, Restoration, and Rehabilitation Projects on the NHS ♻
- State Policies and Procedures on Use of the Highway Safety Manual ♻
- Integrating Road Safety into NEPA Analysis: A Primer for Safety and Environmental Professionals ♻
- MassDOT Design Justification Reports ⚙
- TxDOT Safety Scoring Tool ⚙
- Missouri Safety Assessment for Every Roadway (SAFER) Tool ⚙
- WisDOT Safety Certification Process ⚙
- NCHRP 948 - Guide for Pedestrian and Bicyclist Safety at Alternative and Other Intersections and Interchanges

Project Development Process
Safety Integration

TSMO (Transportation Systems Management & Operations) & Maintenance

- The Safety and Roadway Maintenance Link ♻
- Operations and Safety: Making the Connections ♻
- Operations and Safety: Operations Strategies to Improve Safety ♻
- Safety Analysis Needs Assessment for Transportation Systems Management and Operations ♻
- Connecting Transportation Operations and Safety in Florida (FDOT case study)
- Coordinating Operations and Safety Through Project Prioritization, Funding, and Design in Ohio (ODOT case study) ⚙
- Connecting Transportation Operations and Safety in Arizona (AZDOT case study) ⚙
- Colorado DOT TSMO Evaluation ⚙

Construction

- National Work Zone Safety Information Clearinghouse
- Work Zone Management Program: Worker Safety ♻
- Work Zone Operations Best Practices Guidebook (Third Edition) ♻
- Work Zone Safety Data Collection and Analysis Guide ♻
- Design and Operation of Work Zone Strategies to Improve Large Truck Safety
- Identification of National Work Zone Safety Objectives and Activities: Summary Report ♻
- Work Zone Road Safety Audits: Teaming up to Improve Safety
- Safety Assessment Tool for Construction Zone Work Phasing Plans