

MASSACHUSETTS STRATEGIC HIGHWAY SAFETY PLAN & FIVE-YEAR ACTION PLAN

Resources

The 2018 Massachusetts Strategic Highway Safety Plan (SHSP) is a statewide-coordinated safety plan that provides a comprehensive framework for reducing highway fatalities and serious injuries on all public roads. It identifies the State's key safety needs and guides investment decisions toward the strategies and countermeasures with the most potential to save lives and prevent injuries. Included is an overview of the plan's development, an identification of problem areas, and a 5-year action plan consisting of 61 specific strategies, 283 direct actions and 5 legislative proposals to get Massachusetts closer to our goal of zero roadway deaths. The 14 multidisciplinary emphasis areas meet to develop and implement the five-year action plan.

Shared here are resources that can be used by the various emphasis area teams to most effectively and efficiently implement the 5-Year Action Plan and improve road safety.

General

- [Countermeasures That Work: A Highway Safety Countermeasure Guide For State Highway Safety Offices](#), U.S DOT, NHTSA
- [Crash Costs for Highway Safety Analysis](#), MassDOT Highway Division
- [IMPACT](#), MassDOT
- [Office of Safety: Proven Safety Countermeasure](#), U.S DOT, FHWA
- [Preparing the Public Health Community for Autonomous Vehicles: A Resource Guide](#), Education Development Center
- [Resources and Publications](#), GHSA
- [Road to Zero: Doubling Down on What Works](#), NSC
- [SHSP Resources](#), Office of Safety, FHWA
- [Strategic Highway Safety Plan Quick Reference Guide](#), Office of Safety, FHWA

At-Grade Crossing

- [Always Expect a Train](#), NHTSA
- [Highway/Rail Grade Crossing Information Resource Center](#), TRB
- [Law Enforcement Strategies for Mitigating Highway-Rail Grade Crossing Risk Factors](#), FRA
- [Railroad Crossing Safety for Motorists](#), FRA
- [Tracking Toward Zero: Improving Grade Crossing Safety and Addressing Community Concerns](#), USDOT
- [Track Safety Basics](#), Operation Lifesaver

Bicyclists

- [Bike Safety Guide and Countermeasure Selection System](#), BIKESAFE, FHWA
- [Evaluating Countermeasures to Improve Pedestrian and Bicycle Safety](#), SaferSim
- [Guidance to Improve Pedestrian and Bicyclist Safety at Intersections](#), NCHRP, TRB
- [Guidebook on Pedestrian and Bicycle Volume Data Collection](#), NCHRP, TRB
- [How to Develop a Pedestrian and Bicycle Safety Action Plan](#), FHWA
- [Integrating Speed Management within Roadway Departure, Intersections, and Pedestrian and Bicyclist Safety Focus Areas](#), FHWA
- [Massachusetts Bicycle Plan](#), MassDOT

- [Municipal Resource Guide for Bikeability](#), MassDOT
- [Pedestrian and Bicycle Information Center](#), University of North Carolina HSRC
- [Pedestrian and Bicycle Safety](#), FHWA
- [Pedestrian and Bicycle Safety](#), MassDOT
- [Pedestrian and Bicycle Transportation Along Existing Roads](#), NCHRP, TRB
- [Separated Bike Lane Planning Design Guide](#), MassDOT

Driver Distraction

- [Distracted Driving: A Literature Review](#), Illinois Center for Transportation
- [A Guide for Reducing Crashes Involving Drowsy and Distracted Drivers](#), NCHRP, TRB
- [Hands Free Law](#), EOPSS OGR
- [Hands Free Law Resources](#), Massachusetts Law Enforcement Crash Report E-Manual
- [Hands-Free While Driving: It's the Law](#), Safe Roads Alliance
- [Hands off the Phone. Eyes on the Road](#), AAA
- [No Texting While Driving – It's the Law](#), AAA
- [Taking on Distracted Driving](#), Public Roads, FHWA

Impaired Driving

- [Data Brief: Alcohol and Drug Involvement in Massachusetts Motor Vehicle Crashes Resulting in Hospitalization, 2012 – 2015](#), Injury Surveillance Program, MA DPH
- [The Effectiveness of Alternative Transportation Programs In Reducing Impaired Driving: A Literature Review and Synthesis](#), Journal of Safety Research
- [Impaired Driving Laws, Enforcement and Prevention](#), USDOT

Intersection Crashes

- [Guidance to Improve Pedestrian and Bicyclist Safety at Intersections](#), NCHRP, TRB
- [Intersection Safety](#), FHWA
- [Objectives and Strategies for Improving Safety at Unsignalized and Signalized Intersections](#), FHWA
- [Safety Evaluation of Multiple Strategies at Signalized Intersections](#), FHWA

Lane Departures

- [Effects of Lane Departure Warning on Police-Reported Crash Rates](#), Journal of Safety Research
- [Focus on Reducing Rural Roadway Departures](#), Office of Safety, FHWA
- [Practices for Preventing Roadway Departures](#), NCHRP, National Academies of Sciences
- [Research Shows Lane-Departure Warnings Prevent Crashes](#), Consumer Reports
- [Resources to Address Roadway Departures](#), Iowa State University Institute for Transportation
- [Roadway Departure Countermeasures](#), FHWA
- [Roadway Departure Crashes](#), FHWA

Large Truck-Involved Crashes

- [Design and Operation of Work Zone Strategies to Improve Large Truck Safety](#), American Road and Transportation Builders Association
- [Effectiveness of Front Crash Prevention Systems In Reducing Large Truck Crash Rates](#), IIHS
- [Review Of Practices To Implement Cost-Effective Roadway Safety Infrastructure Improvements To Reduce The Number And Severity Of Crashes Involving Commercial Motor Vehicles](#), FHWA

Motorcycles

- [A Guide for Addressing Collisions Involving Motorcycles](#), NCHRP, TRB
- [Motorcycle Safety](#), NHTSA
- [Motorcycle Safety](#), National Safety Council
- [Motorcycle Safety 5-Year Plan](#), NHTSA

Occupant Protection

- [Child Passenger Safety](#), CDC
- [Child Passenger Safety: Impact of Safe Kids Buckle Up Inspection on Caregiver Knowledge, Confidence and Skill](#), Safe Kids
- [Child Seat Research](#), NHTSA
- [Seat Belts](#), CDC
- [Seat Belts](#), NHTSA
- [The Ultimate Car Seat Guide](#), Safe Kids

Older Drivers

- [CarFit](#), American Occupational Therapist Association
- [Continued trends in older driver crash involvement rates in the United States: data through 2017–2018](#), IIHS
- [Crash rates for drivers in their 70s drop below those of middle-aged drivers](#), IIHS
- [Driving and Community Mobility](#), American Occupational Therapist Association
- [Driving Safely While Aging Gracefully](#), NHTSA
- [A Guide for Reducing Collisions Involving Older Drivers](#), NCHRP, TRB
- [How to Understand and Influence Older Drivers](#), NHTSA
- [Keeping Our Older Drivers Safe on the Road](#), NHTSA
- [Older Drivers](#), NHTSA
- [Plan for the Road Ahead](#), ECU Older Driver Initiative
- [Timing is Key to Increasing Access to Transportation for Older Adults](#), AAA
- [Training Video: Creative Approaches To Expand Community Mobility](#), MassMobility

Pedestrians

- [Availability and Use of Pedestrian Infrastructure Data to Support Active Transportation Planning](#), NCHRP, TRB
- [Evaluating Countermeasures to Improve Pedestrian and Bicycle Safety](#), SaferSim
- [Guidance to Improve Pedestrian and Bicyclist Safety at Intersections](#), NCHRP, TRB
- [Guidebook on Pedestrian and Bicycle Volume Data Collection](#), NCHRP, TRB
- [Guide for Improving Pedestrian Safety at Uncontrolled Crossing Locations](#), FHWA
- [A Guide for Reducing Collisions Involving Pedestrians](#), NCHRP, TRB
- [How Pedestrians Can Walk Safely](#), NHTSA
- [How to Develop a Pedestrian and Bicycle Safety Action Plan](#), FHWA
- [Integrating Speed Management within Roadway Departure, Intersections, and Pedestrian and Bicyclist Safety Focus Areas](#), FHWA
- [Massachusetts Pedestrian Transportation Plan](#), MassDOT
- [Municipal Resource Guide for Walkability](#), MassDOT
- [Pedestrian and Bicycle Information Center](#), University of North Carolina HSRC
- [Pedestrian and Bicycle Safety](#), FHWA

- [Pedestrian and Bicycle Safety](#), MassDOT
- [Pedestrian and Bicycle Transportation Along Existing Roads](#), NCHRP
- [Pedestrian Safety Action Plan](#), USDOT
- [Pedestrian Safety Relative to Traffic-Speed Management](#), NCHRP, TRB
- [Summit on Pedestrian Safety Virtual Series: A Summary Report](#), USDOT
- [Systemic Pedestrian Safety Analysis](#), NCHRP, TRB

Safety of Persons Working on Road

- [Four Steps to Creating Safer Work Zones](#), American Society of Safety Professionals
- [Highway Worker Safety, A Synthesis of Highway Practices](#), NCHRP, TRB
- [Minimizing Construction Interferences with Traffic \(Access-Egress\)](#), National Work Zone Safety Information Clearinghouse
- [National Work Zone Safety Information Clearinghouse](#)
- [Reducing Highway Construction Fatalities Through Improved Adoption of Safety Technologies](#), Electronic Library of Construction Occupational Safety and Health
- [Reducing Worker Run-overs and Back-overs](#), National Work Zone Safety Information Clearinghouse
- [Work Zone Devices](#), FHWA
- [Work Zone Safety: Shareable Material](#), FMCSA

Speeding and Aggressive Driving

- [Integrating Speed Management within Roadway Departure, Intersections, and Pedestrian and Bicyclist Safety Focus Areas](#), FHWA
- [Managing Speeds in Work Zones](#), National Work Zone Safety Information Clearinghouse
- [The Need for \(Safe\) Speed: 4 Surprising Ways Slower Driving Creates Better Cities](#), World Resources Institute
- [Noteworthy Speed Management Practices](#), Institute of Transportation Engineers
- [Pedestrian Safety Relative to Traffic-Speed Management](#), NCHRP, TRB
- [Speeding Away from Zero: Rethinking a Forgotten Traffic Safety Challenge](#), GHSA
- [Speed Management Resources](#), Institute of Transportation Engineers
- [Speeding Overview](#), National Conference of State Legislatures

Traffic Records

- [Fatality Analysis Reporting System \(FARS\)](#), NHTSA
- [Massachusetts Law Enforcement Crash Report E-Manual](#), UMassSafe
- [Strategic Plan for Traffic Records Improvements](#), NHTSA
- [Traffic Records](#), EOPSS Office of Grants and Research HSD
- [Traffic Records](#), NHTSA

Younger Drivers

- [Contributing to Delay in Driving Licensure Among U.S. High School Students and Young Adults](#), Journal of Adolescent Health
- [First Time Driver Portal](#), MassDOT RMV
- [A Guide for Reducing Collisions Involving Young Drivers](#), NCHRP, TRB
- [Massachusetts Youth Risk Behavior Survey](#), MA DOES
- [Massachusetts Youth Health Survey](#), MA DPH

- [Motor Vehicle Injuries Among Massachusetts Young People](#), MA DPH
- [Peer-To-Peer Teen Traffic Safety Program Guide](#), NHTSA
- [Reducing Risks for Teen Drivers](#), Safe Kids
- [Transportation Risk Behaviors Among High School Students — Youth Risk Behavior Survey, United States, 2019](#), CDS
- [Young Driver Survey](#), NHTSA