On the Road to Zero: Putting Safety into Practice

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Imagine not a single person dies in a crash on our roadways.







Vision:

A roadway system with zero roadway deaths and serious injuries.

Mission:

To work collaboratively on strategies that will reduce roadway fatalities and serious injuries.

Goal:

Our long-term goal is zero roadway fatalities and serious injuries. By year 2022, the SHSP interim goal is to reduce the five-year average fatalities by 12% and serious injuries by 21%.

Vision

Biking in Massachusetts will be a safe, comfortable, and convenient option for everyday travel.

Goal 1

Eliminate bicyclist fatalities and serious injuries.

Increase the percentage of everyday trips made by bicycling.

Goal 2

Vision

All people in Massachusetts will have a safe, comfortable, and convenient option to walk for short trips.

Soal 1

Eliminate

pedestrian fatalities and serious injuries.

Increase

the percentage of short trips made by walking.

Goal 2



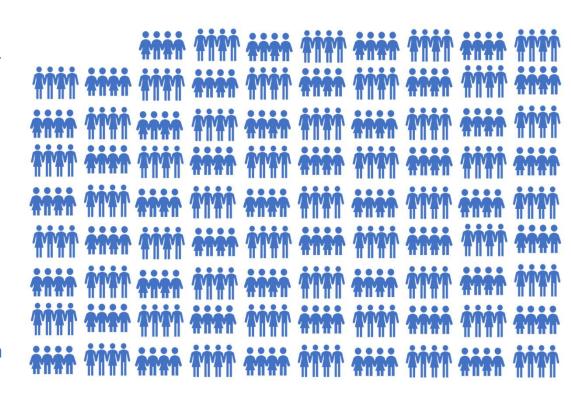






1 life is too many...

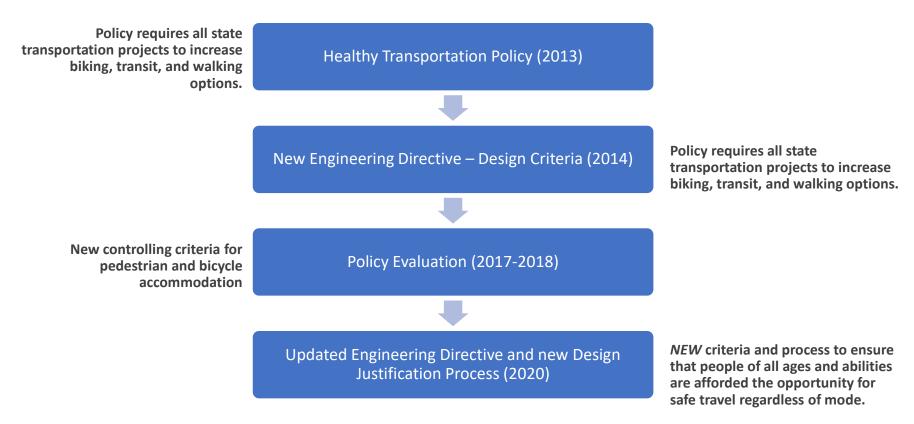
- In 2020, 335 people lost their lives on Massachusetts roadways
- On average, 352 people lost their lives every year for the past five years, including:
 - 77 people walking
 - 51 people driving motorcycles
 - 9 people biking
 - 4 people working in work zones
- 2,206 people were seriously injured on Massachusetts roadways
 - An average of 6 people per day
- Plus injuries and near misses not captured in this data



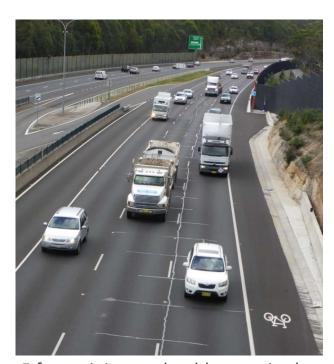
https://www.massdottracker.com/



Policy with Implementation



Design Criteria



5 foot minimum shoulder required

2014

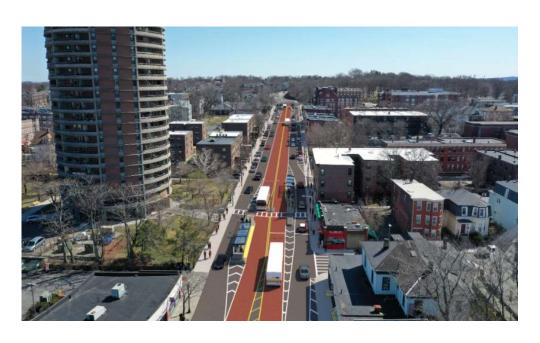






2020

- Bicycle Facilities required
- Separation required via shared use paths, side path, separated bike lane, buffered bike lane if...
 - Posted speed limit ≥ 40 mph
 - Vehicular volumes ≥ 10,000 per day
 - Roadway has more than one travel lane in a single direction
 - Intersection more than one travel lane in a single direction
 - Roadway classified as corridor with a High Potential for Everyday Biking
- Minimum 5' width or 10' for bidirectional width requirement $_{\rm 8}$





Transit Criteria

If roadway has existing or proposed transit route, transit facilities and amenities, and crosswalks

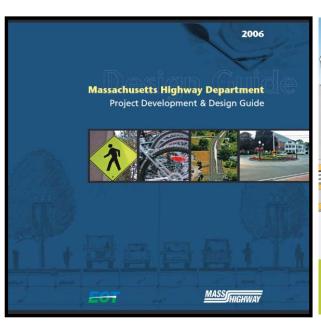


2020

Pedestrian Criteria

• Sidewalk and crosswalk requirements

Design Guides



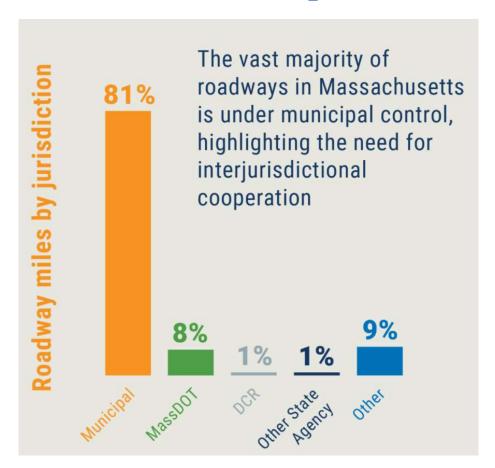




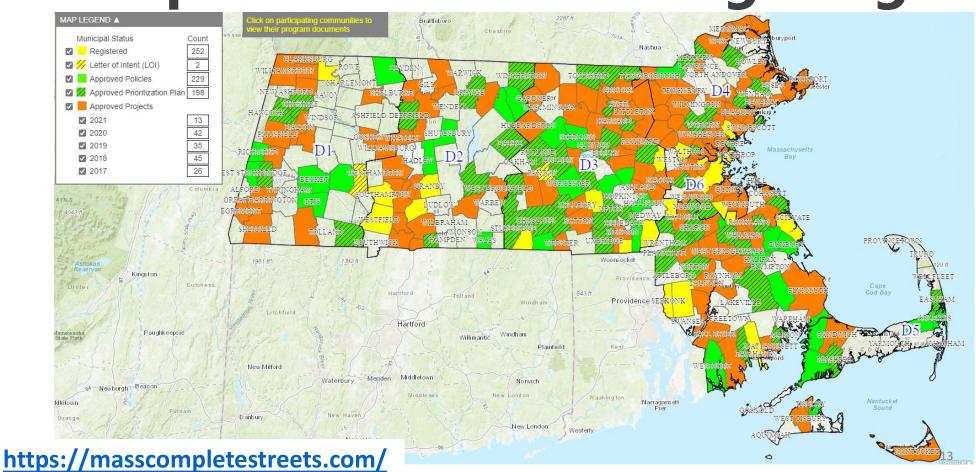
Design Trainings



Partnerships



Complete Streets Funding Program



2020-2021 Shared Streets and Spaces Grant Program

- To support public health, safe mobility, and renewed commerce
- Originally a \$5 million 100-day program; now a \$20m program through May 2021
- Improvements can be temporary, pilots, permanent, or turn pilots/temporary into permanent changes, but all implementation within months
- In 2020, awarded \$10.2 million over 100 days to 103 municipalities to support 123 projects
- Technical assistance provided to municipalities for free thanks to Barr Foundation



https://www.mass.gov/shared-winter-streets-and-spaces-grant-program

Shared Streets results... examples:



Speed Management to Prevent Serious Injuries and Fatalities Project

Purpose: Align speed-related policies, plans, projects and practices to help realize Massachusetts' vision of a roadway system with zero roadway deaths and serious injuries.

MassDOT role









Data collection

Roadway planning and design

Traffic operations

Speed limit setting



Support enforcement

efforts



Education, marketing



Identify and analyze safety hot spots



Funding

"Plan for human error: design knowing people will make mistakes, but when they do, we have ability to lessen potential that it is fatal"

Rate of Fatalities on MA Roadways Doubled In April

With 50% less traffic, about same number of deaths as April 2019

AAA Advises Motorists to Curb Their Speed in the Wake of Alarming Massachusette Traffic Fatality Data for April

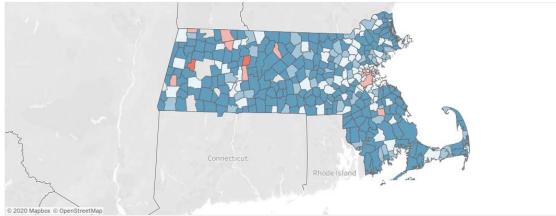
Car crashes deadlier as drivers speed during lockdowns

LONDON (Reuters) - Coronavirus lockdowns led to huge reductions in traffic and fewer car crashes this spring, but as drivers sped up on quieter roads, the collisions became deadlier in several cities, a Reuters analysis shows.

Change in Bicycle Activity by Municipality (Monthly), January through October 2019 vs 2020

October, 2019 vs 2020





% Change, 2019 - 2020

Less than -50%

-50% to -25%

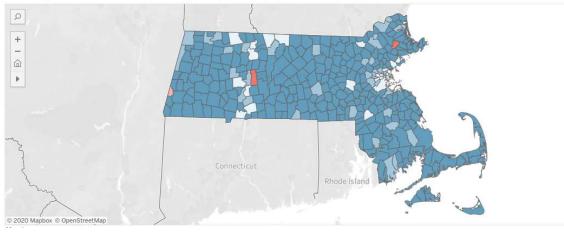
-25% to 25%

25% to 50%

Greater than 50%

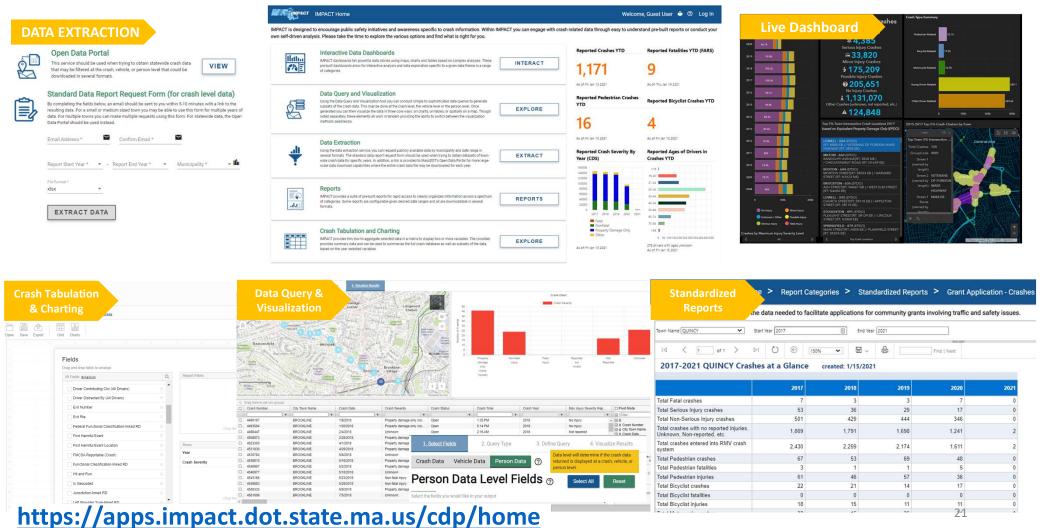
Change in Pedestrian Activity by Municipality (Monthly), January through October 2019 vs 2020

October, 2019 vs 2020



https://mobility-massdot.hub.arcgis.com/

Interactive Mapping Portal for Analysis and Crash Tracking (IMPACT)





Awareness



Recently, a number of fatal crashes involved occupants not wearing seatbelts. @NHTSA research has shown a 45% reduction in the risk of fatal injury to front-seat car occupants when seat belts are used. #Seatbelts save lives, #BuckleUp every trip, every time. #DriveSafe







SHARE THE ROAD

SCAN THE STREET







This #LaborDay weekend, please drive sober, follow the speed limit, wear your seat belt, and have a safe holiday.

MassDOT October 30 · 3 47% of fatal or serious injuries from crashes involving people walking happen in the dark in #MA. With Halloween and Daylight Savings happening this weekend, remember to #ScanTheStreet for wheels and feet, whether you are driving, walking or biking. #PedestrianSafetyMonth massDOT EOPSS of fatal or serious injuries from crashes involving people walking happen in the dark.



https://twitter.com/MassDOT

Driver Education

GUIDE

First Time Driver? Start here...

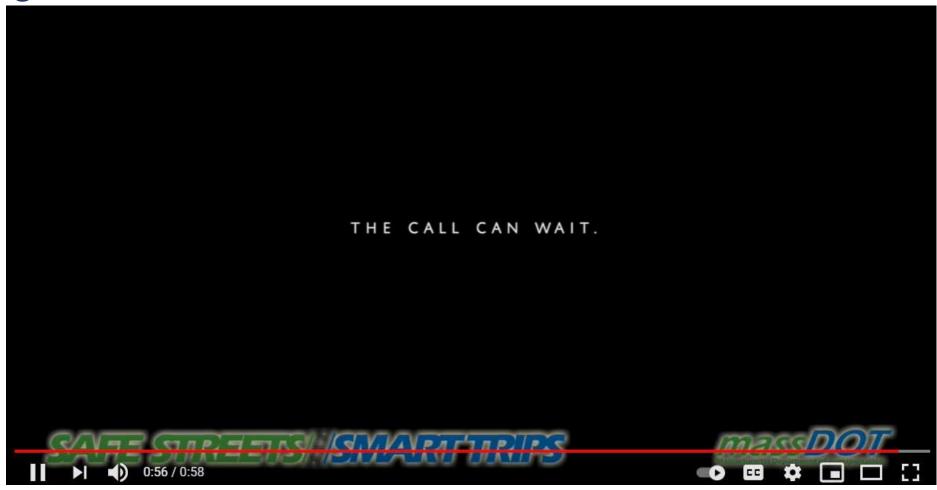
This guide will step you through the process to get a passenger (Class D) learner's permit and driver's license, which allows you to legally operate a passenger vehicle, van or small truck. Information includes steps to get a driver's license, parent/guardian information, safe driving tips, as well as study materials.



TABLE OF CONTENTS

- Steps to Get Your Driver's License
- Parent/Guardian Information
- Safe Driving Tips
- Did you study for your learner's permit or road test?
- Time to take your Permit!

High School Video Contest



Thank you for all that you are doing.

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