



Complete Streets 201

MassBike and Mass in Motion Bike Summit
Worcester

June 25, 2019

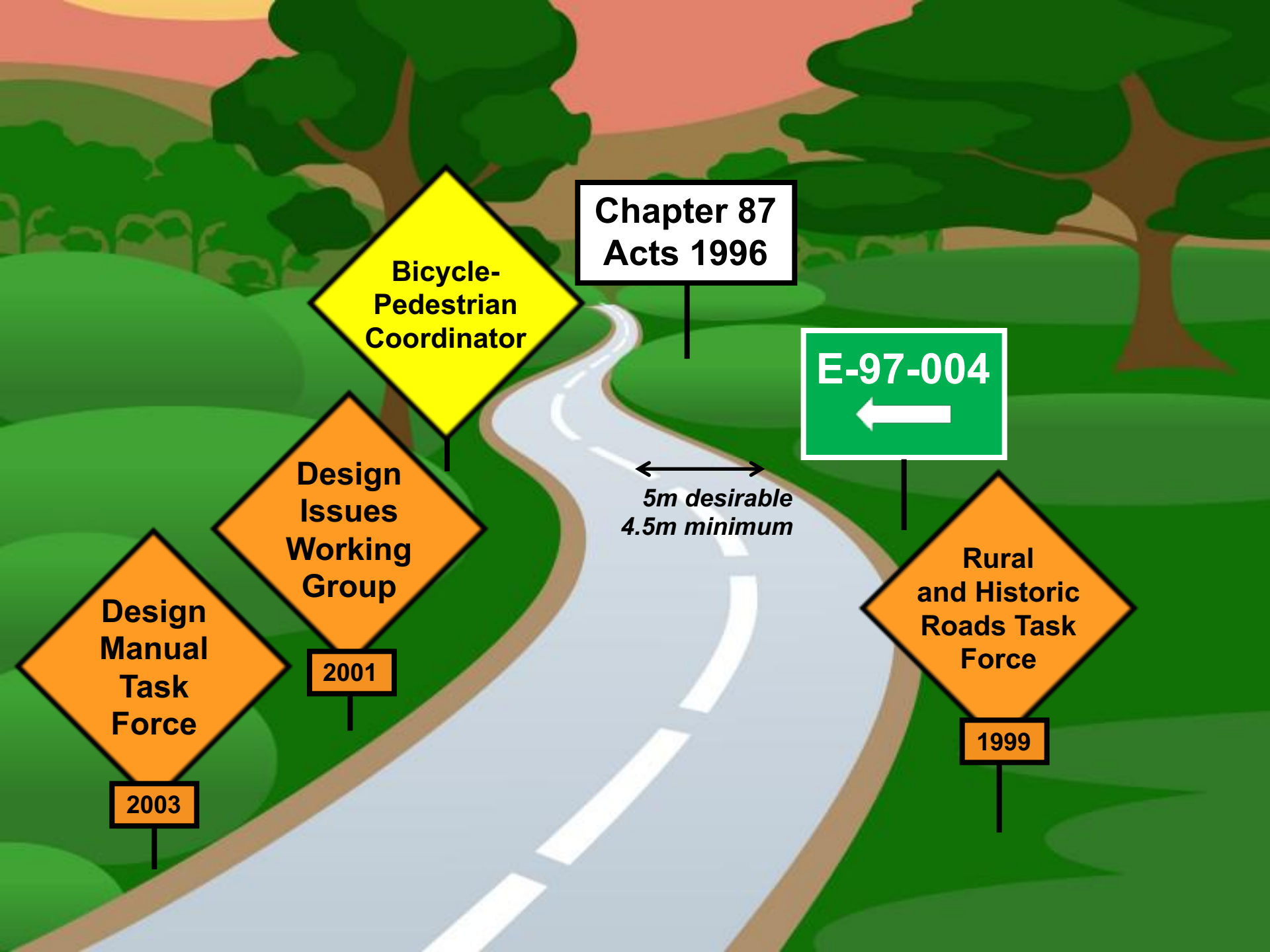
massDOT
Massachusetts Department of Transportation

Thomas A. DiPaolo, P.E., *Assistant Chief Engineer*

Today's Topics

1. The Road to Complete Streets
2. Overview of MassDOT Statewide Bike Plan
3. Update on MassDOT's Complete Streets Funding Program

The Road to Complete Streets



**Bicycle-
Pedestrian
Coordinator**

**Chapter 87
Acts 1996**

E-97-004



↔
*5m desirable
4.5m minimum*

**Design
Issues
Working
Group**

2001

**Rural
and Historic
Roads Task
Force**

1999

**Design
Manual
Task
Force**

2003

**Design
Exception
Review
Committee**

2003

**Bike/Ped
Advisory
Board**

2004

**Project
Development &
Design Guide**

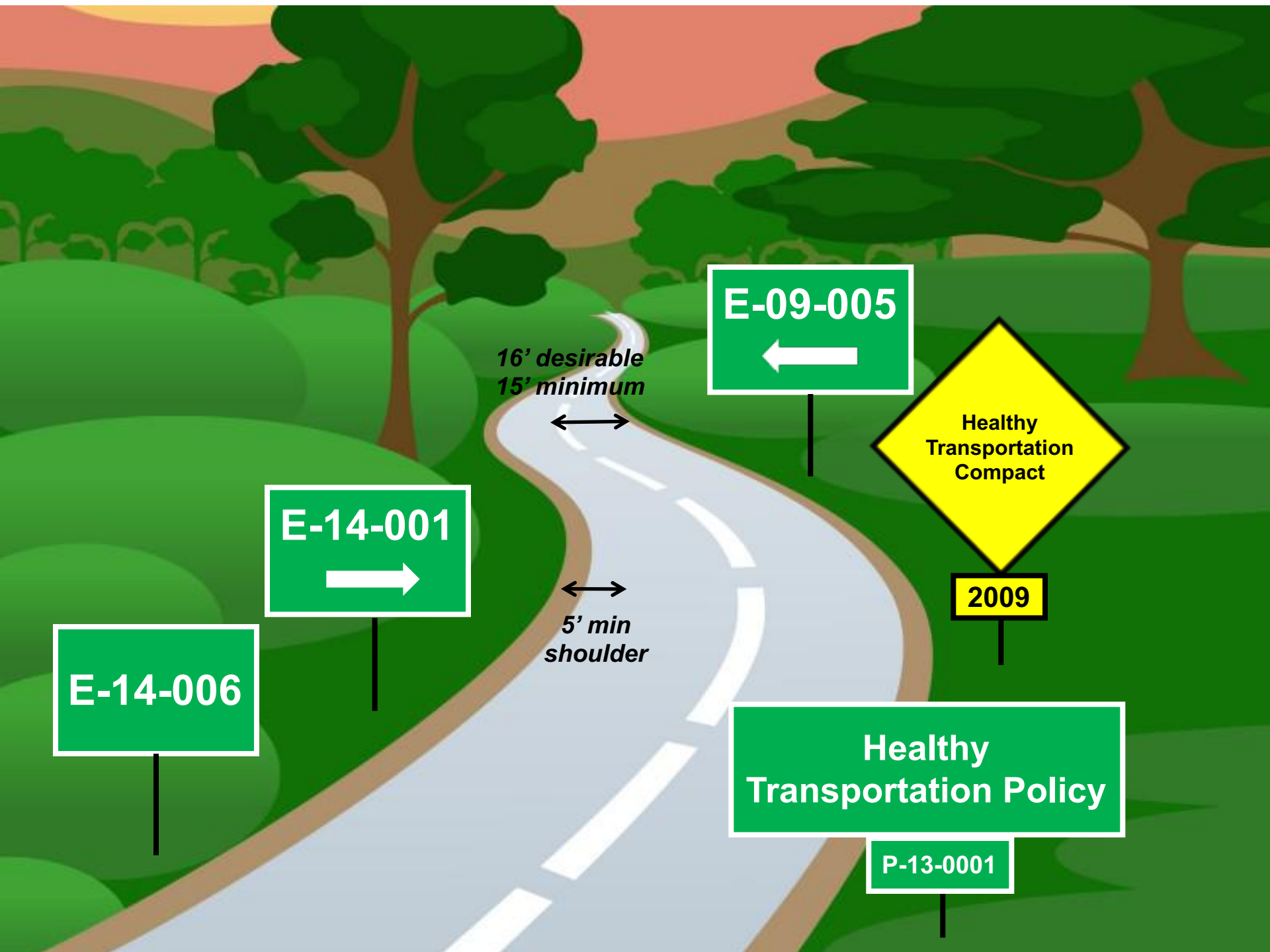
2006

**Context Sensitive
Design**

Flexible Design

**Multi
Modal
Design**

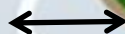
Complete Streets



E-09-005



*16' desirable
15' minimum*



E-14-001



*5' min
shoulder*



E-14-006

**Healthy
Transportation
Compact**

2009

**Healthy
Transportation Policy**

P-13-0001



**Separated Bike
Lane Planning &
Design Guide**

2015

**Complete
Streets
Engineer**

**Director of
Sustainable
Mobility**

**Complete Streets
Funding Program**

Bike & Ped Plans

Overview of MassDOT Statewide Bicycle Plan

Overview

Two separate plans

- Statewide Bicycle Plan
- Statewide Pedestrian Plan

2016	Request for Proposals
2016-2018	Planning Process
2018	Draft Plans Released
2019	Release Final Plans

\$60 million Bicycle and Pedestrian Capital Program to support implementation (2019-2023)

Companion documents:

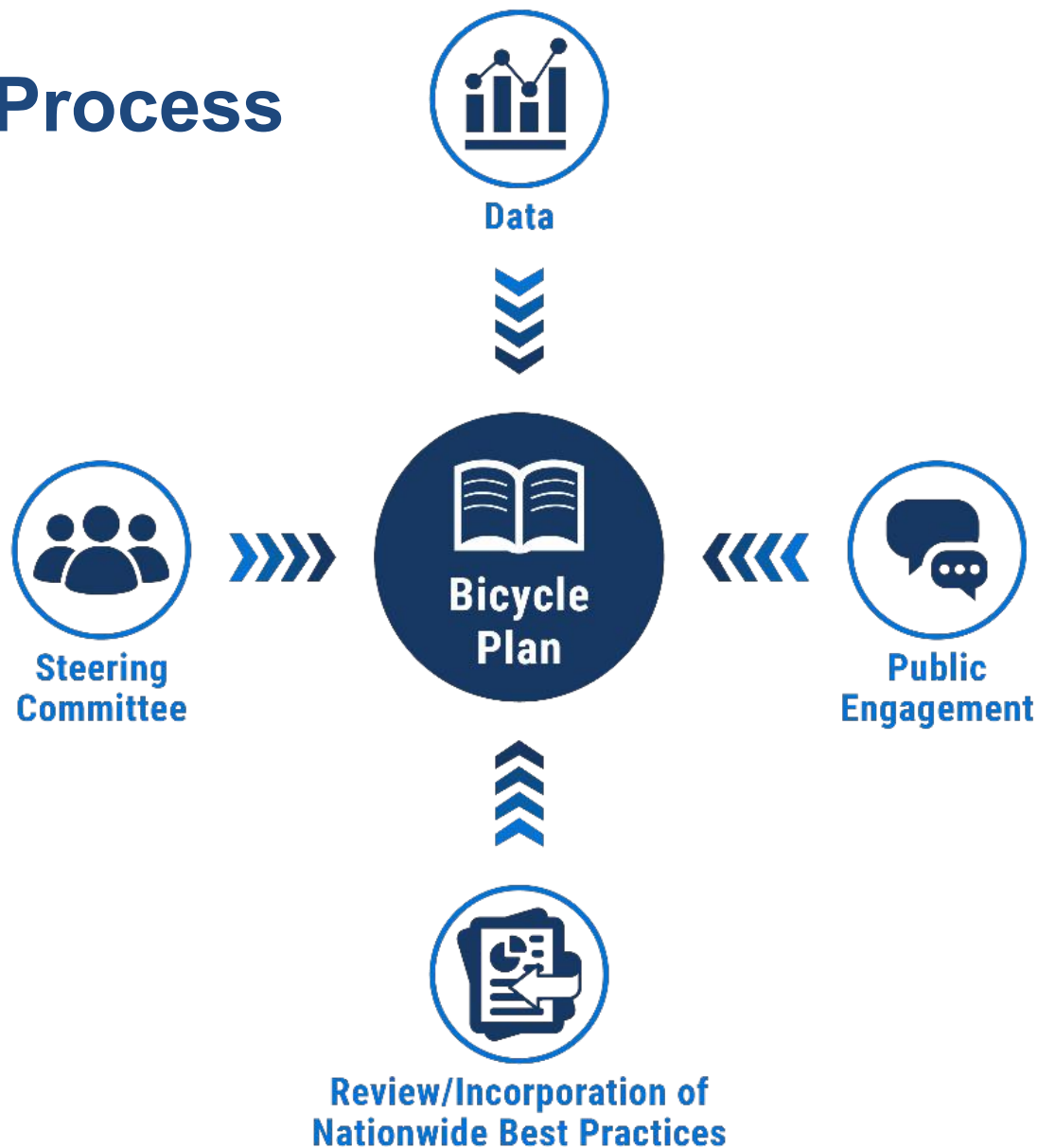
[Municipal Resource Guide for Walkability](#)

[Municipal Resource Guide for Bikeability](#)

Go to www.mass.gov > search for guides

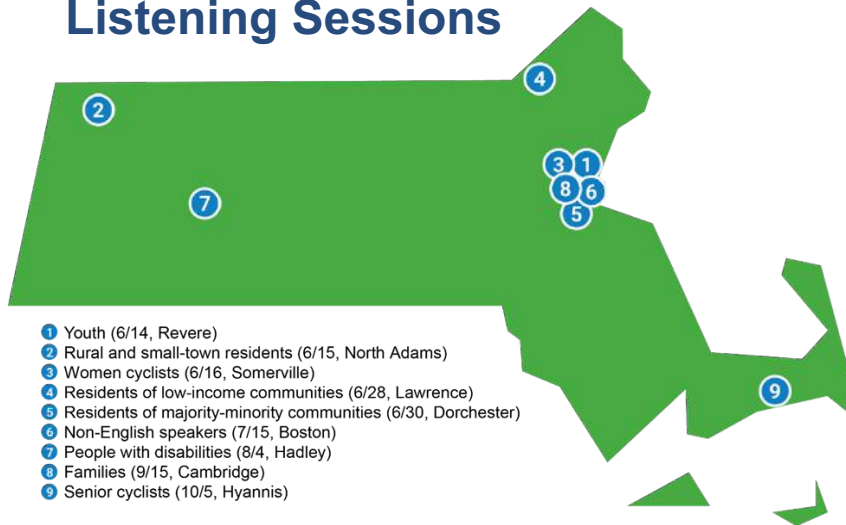


Planning Process



Public Outreach

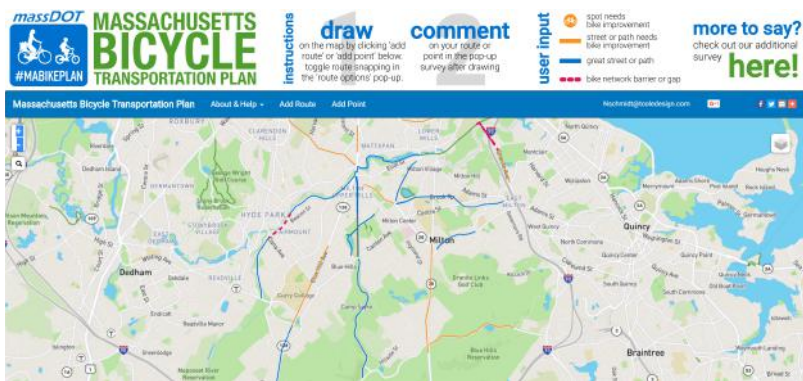
Listening Sessions



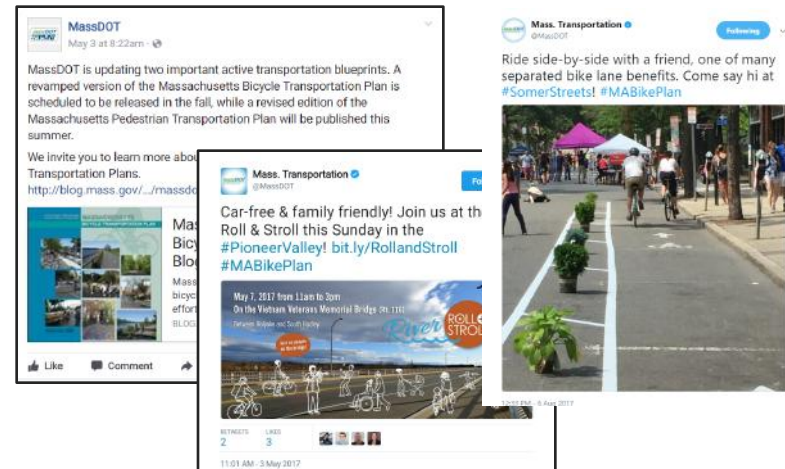
Attending public events



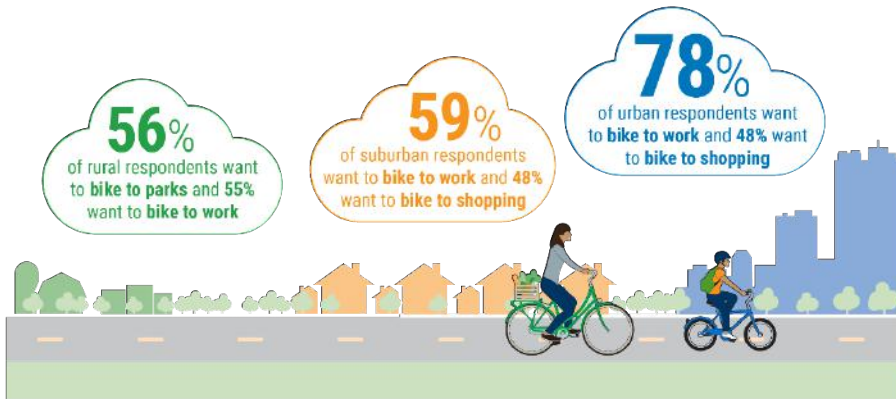
Online and In-Person Surveys



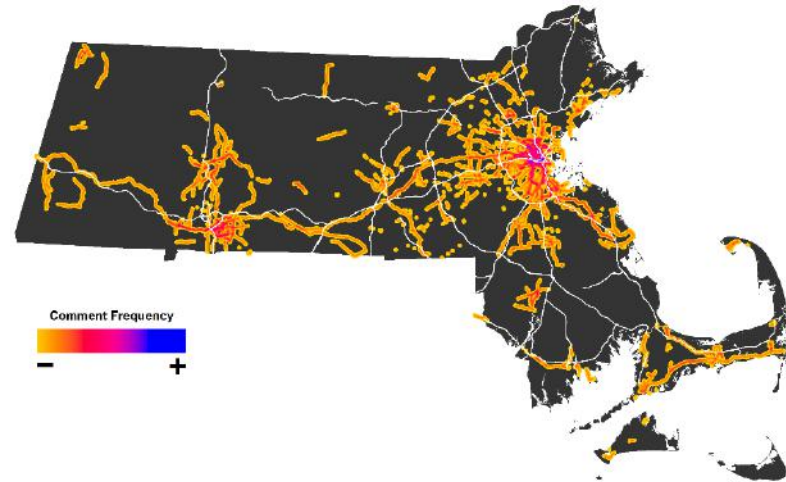
Engaging on Social Media



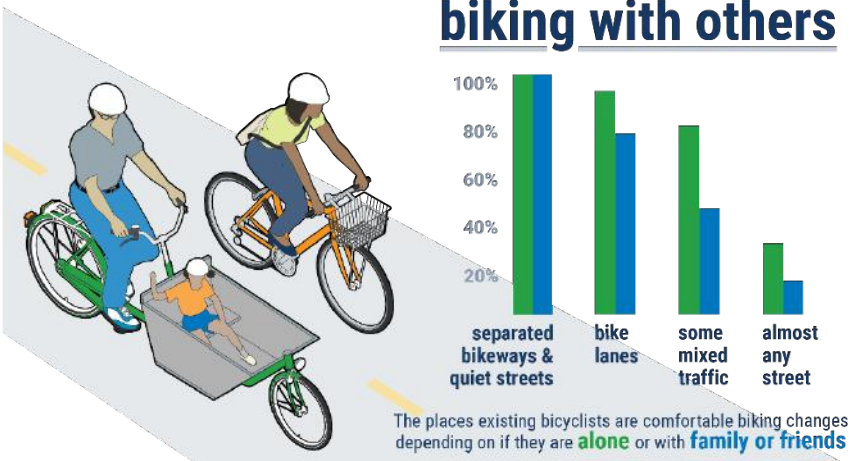
Key Results



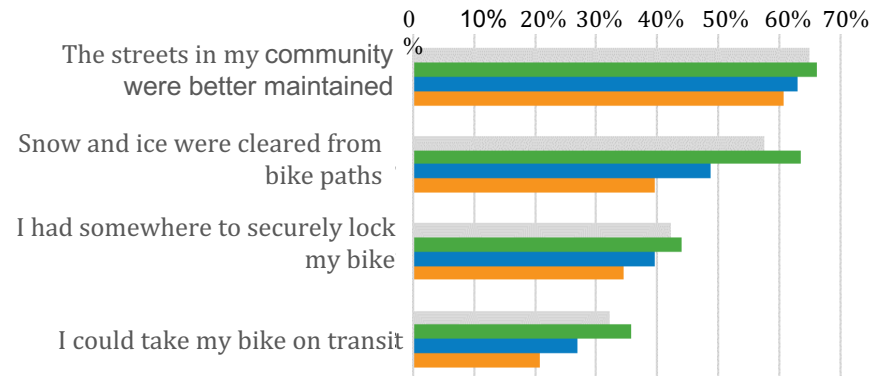
Frequency of “Needs Improvement” Comments on Online Map



Bicyclists have a lower tolerance for stressful conditions when biking with others



“I would bike if...” Survey Results



Go to www.mass.gov > search for ‘bike plan public engagement results’

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

Principle 1

Value people bicycling and their travel needs, especially the most vulnerable - children, elderly, and people with disabilities - to ensure they can bicycle safely.



Prioritize improvements for people bicycling by proactively addressing gaps and barriers that discourage bicycling and are known to increase the likelihood of crashes

Principle 2

Principle 3

Lead the Commonwealth in meeting the bicycle plan goals by supporting municipalities and other agencies to advance everyday biking.

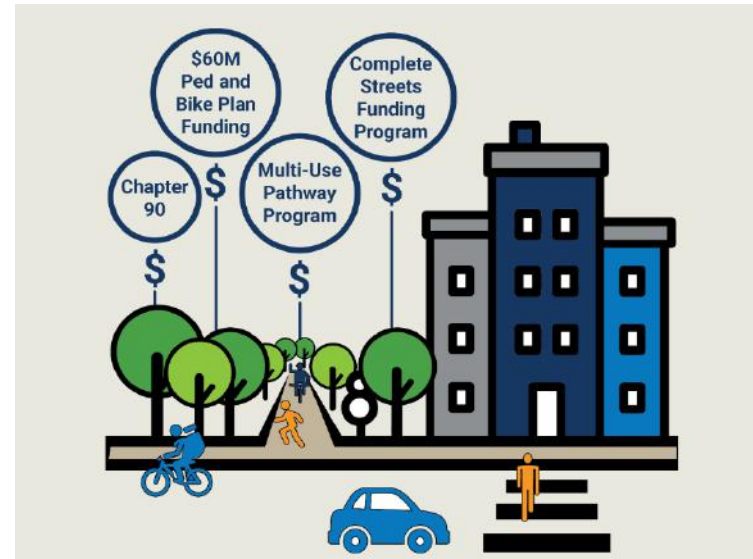


Initiatives

- **Initiative 1:** Build connected, safe, and comfortable bicycle networks
- **Initiative 2:** Provide local, regional, and state partners with the tools needed to integrate the safety, comfort, and convenience of people biking into their transportation and development projects
- **Initiative 3:** Increase roadway safety for people currently bicycling, potential everyday bicyclists, and people driving
- **Initiative 4:** Increase access to bicycles and the convenience of biking as an everyday travel option for people of all ages and abilities
- **Initiative 5:** Launch the development of a year-round maintenance and operations plan for MassDOT-owned bikeways and support municipalities to do the same
- **Initiative 6:** Invest in data collection and evaluation to inform initiatives 1 through 5 and to measure performance

Capital Investment Plan

- Bicycle and Pedestrian Plan Implementation Program – new \$60m Program
- Municipal Complete Streets Funding Program
- Municipal Safe Routes to School Funding
- Shared Use Path Program
- MassTrails grants
- Chapter 90
- Roadway and bridge projects



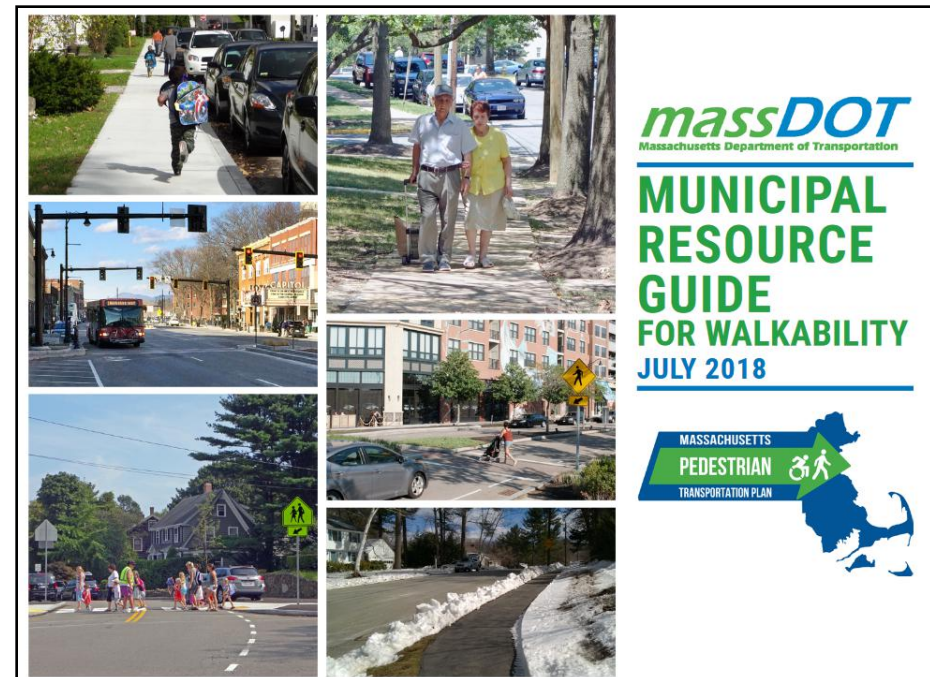
Welcome to the Massachusetts
Complete Streets Funding Program Portal



Update on MassDOT's Complete Streets Funding Program

92%

of roadways in Massachusetts are under
municipal jurisdiction



Complete Streets Funding Program

Tier 1

Training & Complete Streets
Policy Development



Tier 2

Complete Streets Prioritization Plan
Development



Tier 3

Construction Application

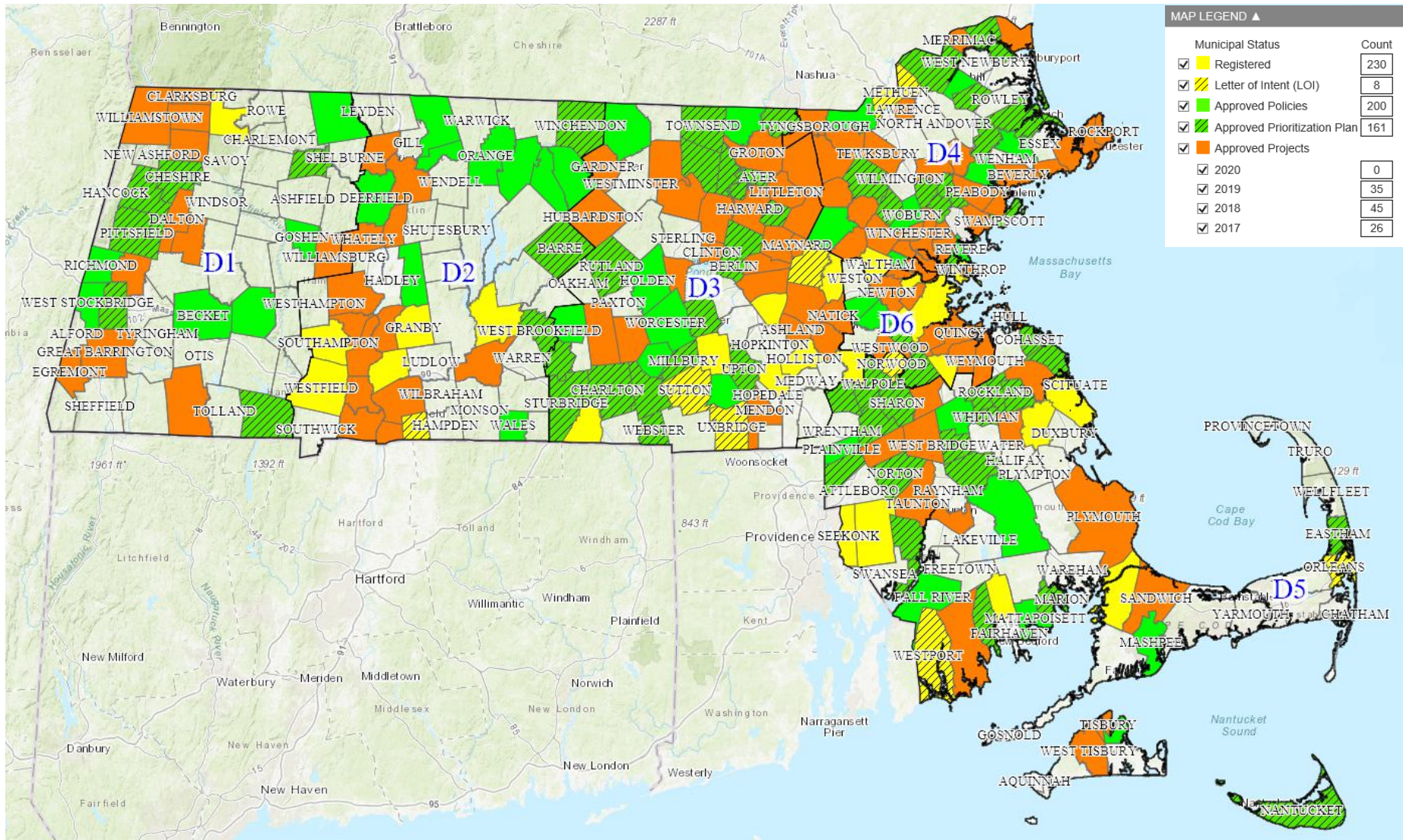


Somerville - Hancock Street- Two-way Bikeway



Littleton Common

Complete Streets Funding Program



Complete Streets Funding Program

Before



After



Complete Streets Funding Program

Before



After



Lynn, MA



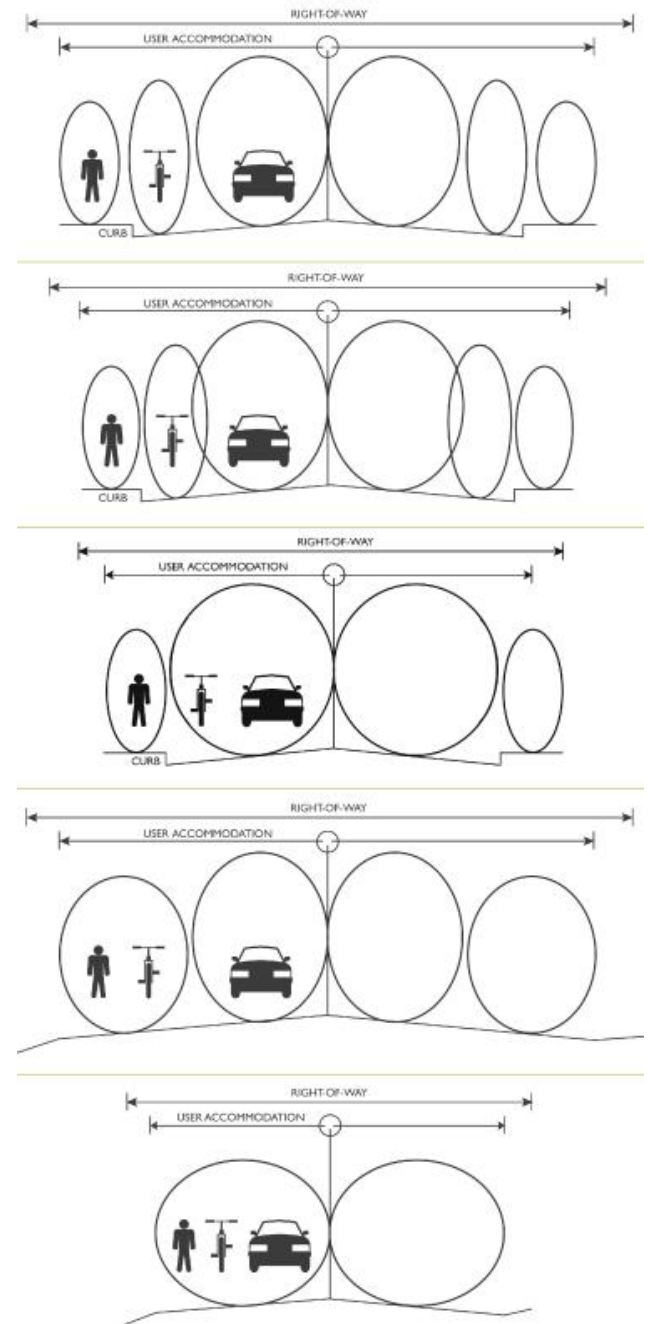
Natick, MA



Taunton, MA

Flexible Multimodal Accommodation Framework

- **Type 1:** Independent Accommodation
- **Type 2:** Partial Bicycle/MV Sharing
- **Type 3:** Bicycle/MV Sharing
- **Type 4:** Pedestrian/Bicycle Sharing
- **Type 5:** Shared by All Users



Discussion