

# Complete Streets

---

STEVEN TUPPER, CAPE COD COMMISSION

DECEMBER 16, 2019 | BREWSTER SELECT BOARD



CAPE COD  
COMMISSION



# WHAT IS A COMPLETE STREET?

“A Complete Street is one that provides safe and accessible options for all travel modes – walking, biking, transit and vehicles – for people of all ages and abilities.”  
(MassDOT definition)



# BENEFITS OF COMPLETE STREETS

## Improved health

- + 65% of residents are more likely walk if sidewalks are present<sup>1</sup>

## Improved safety

- + Sidewalks reduce pedestrian crashes 88%<sup>2</sup>
- + Shoulders reduce pedestrian crashes 71%<sup>3</sup>

## Improved economy

- + Spurs economic activity and private investment<sup>4</sup>
- + Increases property values<sup>5</sup>

## Environmentally friendly

- + Community/individual action that can reduce emissions



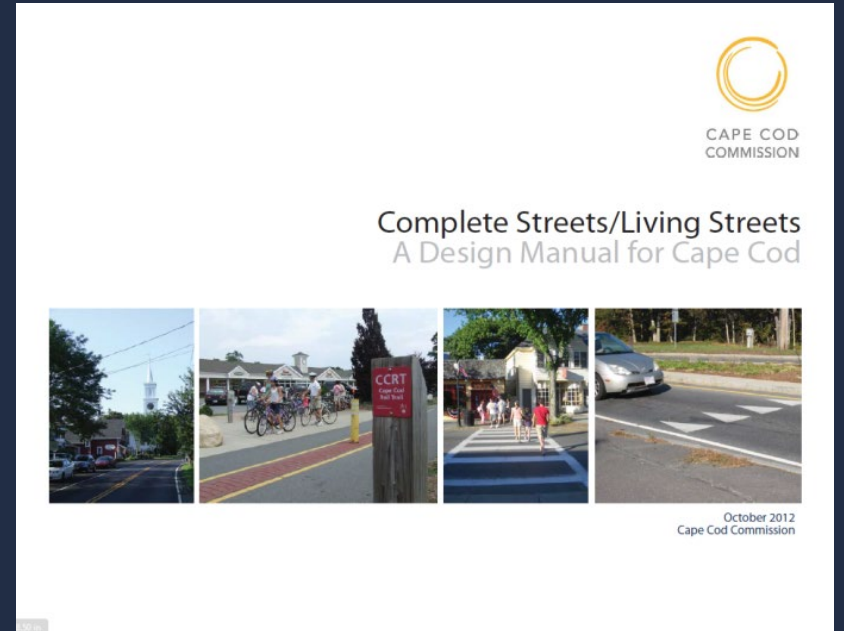
<sup>1</sup>Teach Robbins, L., Morandi, L. (2002, December). Promoting Walking and Biking: the Legislative Role. National Conference of State Legislators. [www.activelinvingleadership.org/pdf\\_file/Promoting\\_Walking\\_and\\_biking.pdf](http://www.activelinvingleadership.org/pdf_file/Promoting_Walking_and_biking.pdf);  
<sup>2</sup>FHWA; <sup>3</sup>FDOT; <sup>4</sup>National Complete Streets Coalition (2012, February 22). It's a safe decision: Complete streets in California. Retrieved 2012, August 8, from <http://www.completestreets.org/webdocs/resources/cs-in-california.pdf>.; <sup>5</sup>CEOs for Cities (2009, August). Walking the walk. Retrieved 2012, August 8, from <http://www.ceosforcities.org/research/walking-the-walk/>.



# CONTEXT SENSITIVITY

Complete Streets are context sensitive – design elements will depend on:

- + Roadway type
- + Vehicle volumes and speeds
- + Density and type of development
- + Pedestrian and bicyclist demand
- + Constraints present



# EVOLUTION OF COMPLETE STREETS AT MASSDOT

MassDOT Mode Shift Goal (2012)

MassDOT Healthy Transportation Policy Directive (2013)

MassDOT Complete Streets Funding Program (2016)



# MASSDOT MODE SHIFT GOAL (2012)



Graphic courtesy MassDOT



# MASSDOT HEALTHY TRANSPORTATION POLICY DIRECTIVE (2013)

“issued to ensure all MassDOT projects are designed and implemented in a way that all our customers have access to safe and comfortable healthy transportation options at all MassDOT facilities and in all the services we provide”

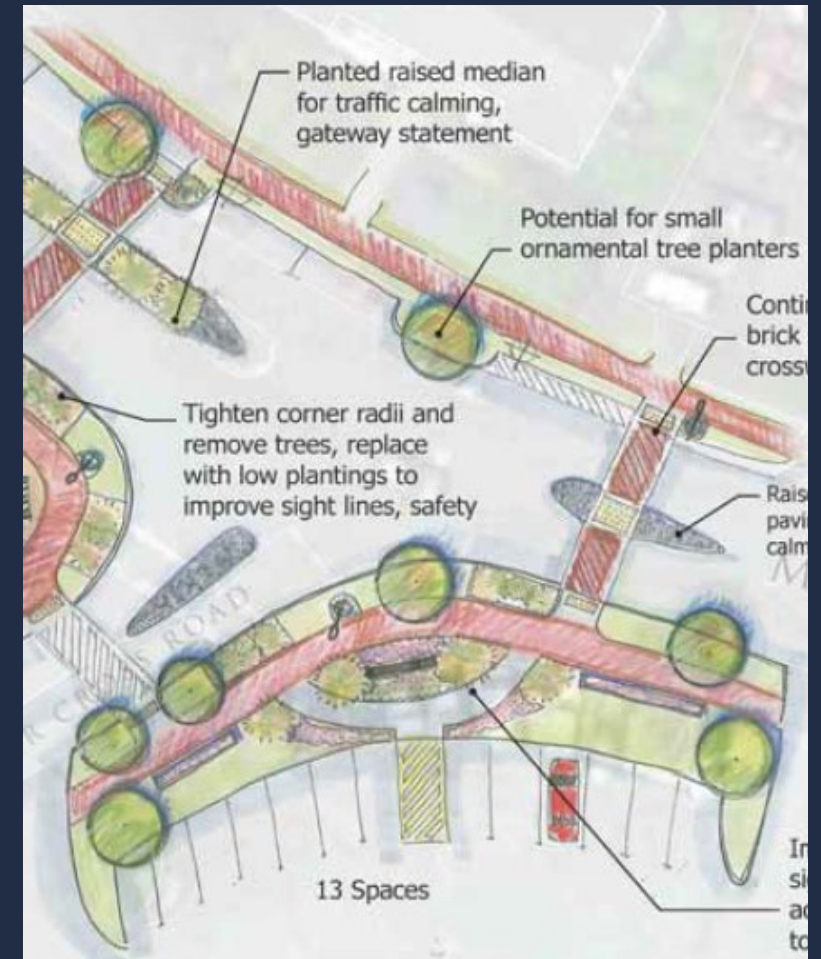
[MassDOT Policy: P-13-001, Effective 9/9/2013]



# MASSDOT COMPLETE STREETS FUNDING PROGRAM (2016)

“to reward municipalities that demonstrate a commitment to embedding Complete Streets in policy and practice with technical assistance and construction funding”

[MassDOT Complete Streets Funding Program Guidance, January 2016]





# EVOLUTION OF COMPLETE STREETS AT MASSDOT

## MassDOT Mode Shift Goal (2012)

- + State-wide goal

## MassDOT Healthy Transportation Policy Directive (2013)

- + Policy for state roads and state-managed projects
- + Experienced locally on Transportation Improvement Program (TIP) projects

## MassDOT Complete Streets Funding Program (2016)

- + Funding program for municipal roads
- + Project prioritization and design decisions made by the town
- + Reimbursement model similar to the Chapter 90 program



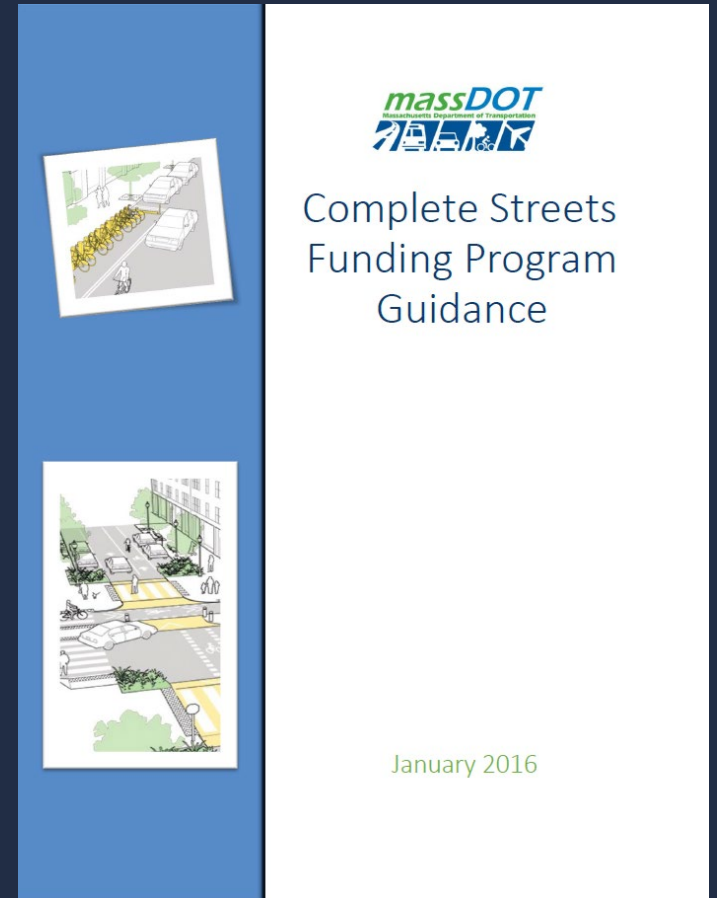
# MASSDOT COMPLETE STREETS FUNDING PROGRAM

## Background

- + Funding authorized by 2014 Transportation Bond Bill “to reward municipalities that demonstrate a commitment to embedding Complete Streets in policy and practice with technical assistance and construction funding”<sup>1</sup>

## Program Structure

- + Tier 1: Training and Complete Streets Policy Development
- + Tier 2: Prioritization Plan Development (up to \$38,000 per community available for technical assistance)
- + Tier 3: Project Funding for Construction (up to \$400,000 available per community for eligible construction expenses)



<sup>1</sup>For details see: [www.masscompletestreets.com](http://www.masscompletestreets.com)



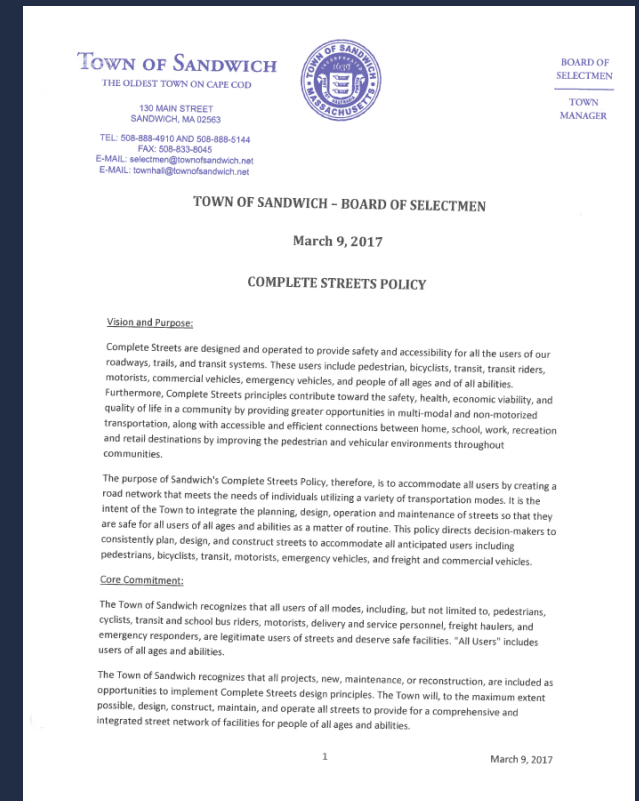
# COMPLETE STREETS PROGRAM: POLICY DEVELOPMENT

Municipal Complete Streets Policy be adopted as a bylaw, ordinance or administrative policy by the municipality's highest elected body.

The policy must:

- + Include a **vision and intention** for how and why the community wants to advance Complete Streets.
- + Demonstrate a **core commitment** to implementing Complete Streets in all phases of all projects. Specify any **exceptions**.
- + Detail **best practices** that will be implemented by the Town.
- + Describe the **implementation** of the policy.

Cape Cod Commission staff have developed a model policy to assist Towns as they craft their policies.



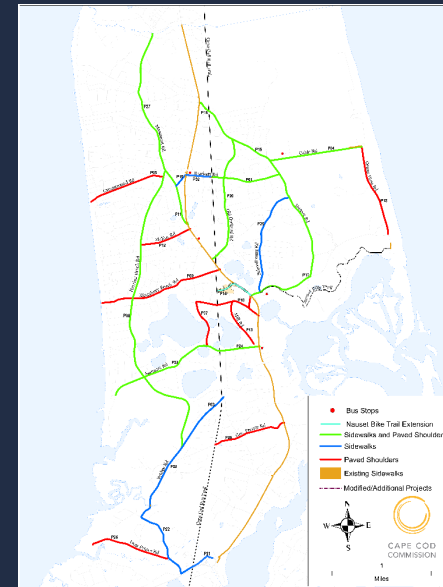
# COMPLETE STREETS PROGRAM: PRIORITIZATION PLAN

Prioritization Plan must:

- + Be based on a community-driven process
- + Identify all potential projects
- + Rank projects based on evaluation criteria
- + Be approved by MassDOT

Funding is available for plan development.

Existing municipal plan, such as Local Comprehensive Plans, Master Plans, and Bicycle Plans, can be the basis of the prioritization plan.



| Complete Streets Project Ranking |      |  |             |                   |
|----------------------------------|------|--|-------------|-------------------|
| Project I.D.                     | Rank | Projects                               | Total Cost  | Funding Requested |
| p24                              | 1    | Samoset Rd (E): Sidewalk & Shoulders   | \$725,000   | \$400,000         |
| p23                              | 2    | Samoset Rd (W): Sidewalk & Shoulders   | \$1,301,000 | \$400,000         |
| p02                              | 3    | Brackett Rd (W): Additional Sidewalk   | \$256,000   | \$256,000         |
| p19                              | 4    | Old County Rd: Sidewalk & Shoulders    | \$154,000   | \$154,000         |
| p01                              | 5    | Brackett Rd (E): Sidewalk & Shoulders  | \$1,179,000 | \$400,000         |
| p15                              | 6    | Nauset Rd: Sidewalk & Shoulders        | \$1,679,000 | \$400,000         |
| p07                              | 7    | Great Pond Rd: Shoulders               | \$227,000   | \$227,000         |
| p10                              | 8    | Locust Rd & Salt Pond Rd: Shoulders    | \$454,000   | \$400,000         |
| p27                              | 9    | Massasoit Rd (N): Sidewalk & Shoulders | \$2,318,000 | \$400,000         |
| p16                              | 10   | Nauset Rd (N): Sidewalk & Shoulders    | \$187,000   | \$187,000         |
| p11                              | 11   | Massasoit Rd (S): Sidewalk & Shoulders | \$1,319,000 | \$400,000         |
| p25                              | 12   | Schoolhouse Rd: Sidewalk & Shoulders   | \$1,149,000 | \$400,000         |
| p08                              | 13   | Herring Brook Rd: Sidewalk & Shoulders | \$3,460,000 | \$400,000         |
| p06                              | 14   | Governor Prentice Rd: Shoulders        | \$318,000   | \$318,000         |
| p18                              | 15   | Ocean View Rd: Shoulders               | \$409,000   | \$400,000         |
| p26                              | 16   | Dyer Prince Rd: Shoulders              | \$323,000   | \$323,000         |
| p09                              | 17   | Kingsbury Beach Rd: Shoulders          | \$545,000   | \$400,000         |
| p21                              | 18   | Rock Harbor Rd: Sidewalk               | \$150,000   | \$150,000         |
| p22                              | 19   | Rock Harbor Rd/Bridge Rd: Sidewalk     | \$652,000   | \$400,000         |
| p04                              | 20   | Cable Rd: Sidewalk & Shoulders         | \$1,112,000 | *                 |
| p05                              | 21   | Campground Rd: Shoulders               | \$404,000   | \$400,000         |
| p28                              | 22   | Bridge Rd (S): Sidewalk                | \$512,000   | \$400,000         |
| p03                              | 23   | Bridge Rd (N): Sidewalk & Shoulders    | \$675,000   | \$400,000         |
| p17                              | 24   | Nauset Rd (S): Sidewalk & Shoulders    | \$1,917,000 | \$400,000         |
| p13                              | 25   | Mill Rd: Shoulders                     | \$139,000   | \$139,000         |
| p12                              | 26   | McKoy Rd: Shoulders                    | \$303,000   | \$303,000         |
| p20                              | 27   | Old Orchard Rd: Sidewalk & Shoulders   | \$2,372,000 | \$400,000         |
| p14                              | 28   | Nauset Bike Trail Extension            | \$456,000   | \$400,000         |

\* Located in Cape Cod National Seashore - to be funded outside of Complete Streets Program



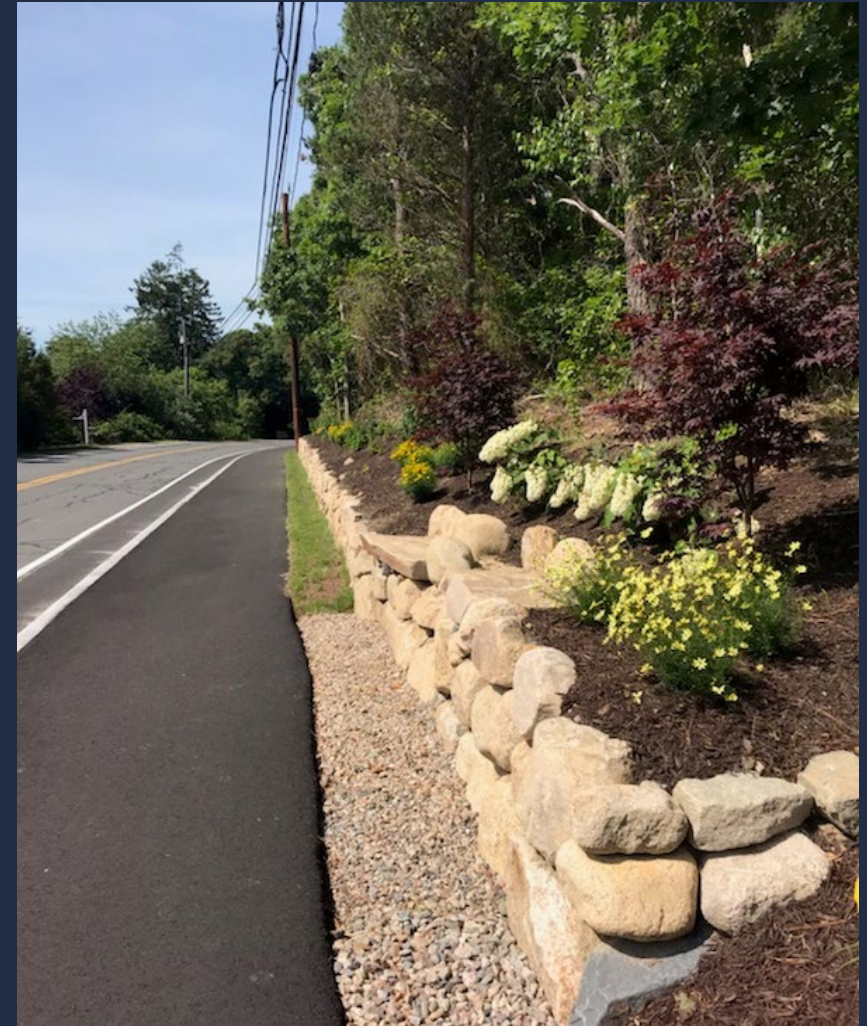
# COMPLETE STREETS PROGRAM: PROJECT FUNDING

## Eligible project type

- + Municipal roadways
- + New construction, reconstruction, some types of rehabilitation
- + Standalone projects or element of larger projects (up to \$400,000 per request/funding round)
- + Be approved by MassDOT

## Typical projects

- + Pavement markings and signage
- + Intersection or crossing improvements
- + New or improved sidewalks, bike lanes, or paths
- + Bus stop amenities or improvements



Ex. Sandy Neck Road Sidewalk - Sandwich  
Awarded FY2018 Complete Streets Funds

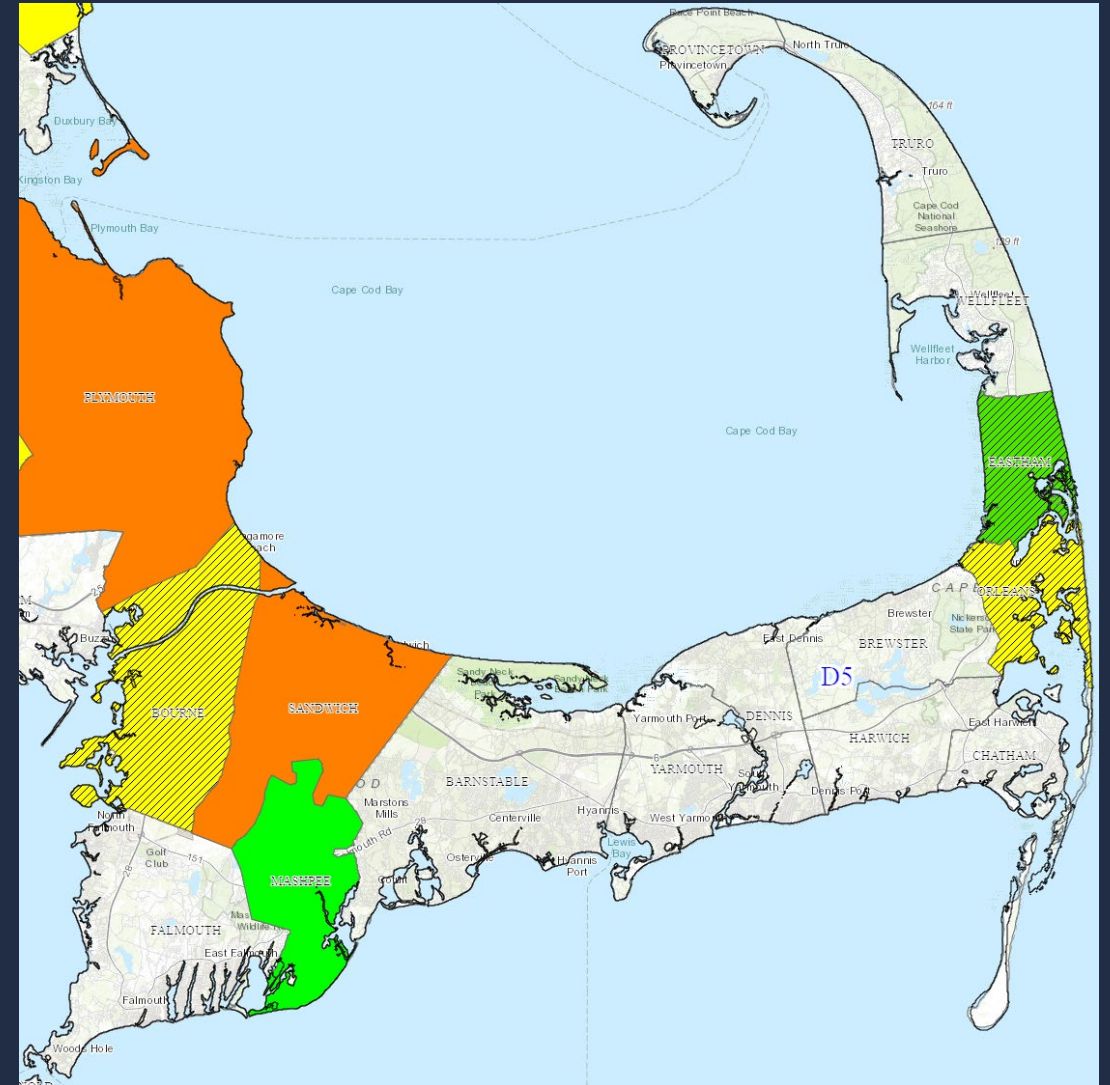
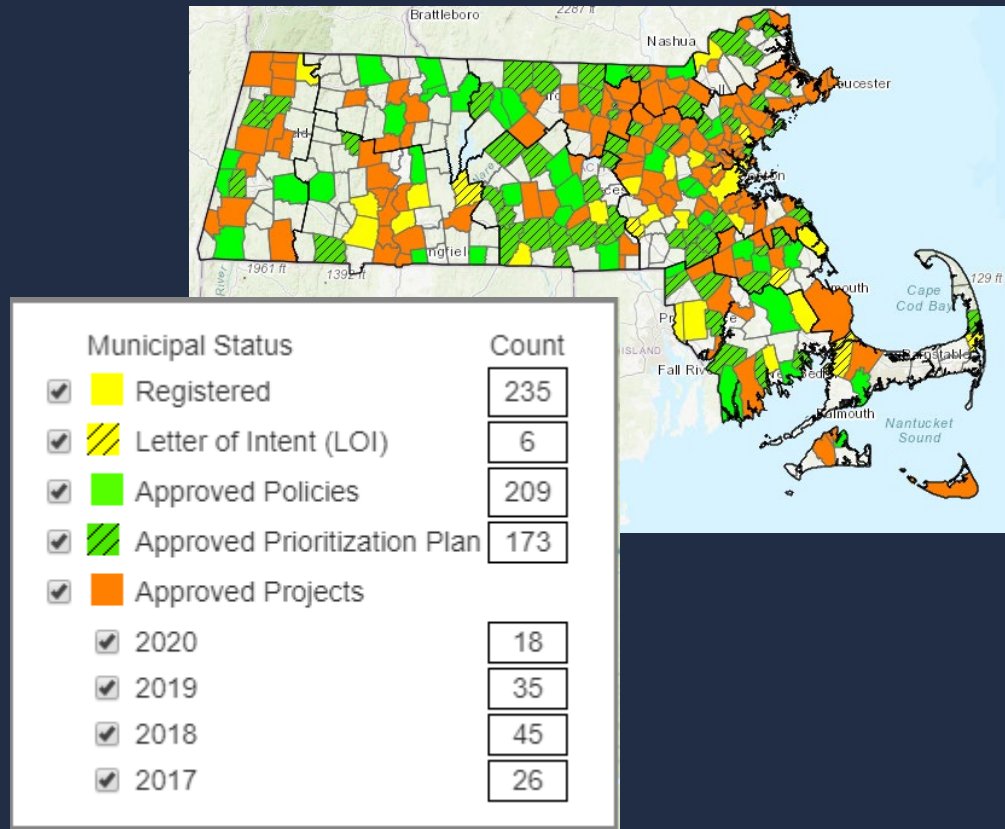
# COMPLETE STREETS PROGRAM: DEADLINES

|                          | Tier 1<br>Policy                  | Tier 2<br>Prioritization<br>Plan                           | Tier 3<br>Construction<br>Application | Notice to<br>Proceed                    |
|--------------------------|-----------------------------------|--|---------------------------------------|---|
| Round 1                  | Rolling                           | April 1  | May 1                                 | Mid-July/<br>Mid-late August            |
| Round 2                  |                                   | September 1  | October 1                             | Mid-January/<br>Mid-late February       |
| MassDOT<br>Response Time | Allow 3 weeks for<br>Policy Score | 3-4 weeks for Plan<br>review. Allow time<br>for revisions. | 2.5 months for<br>application review  | 1-1.5 months from<br>award notification |



# MASSDOT COMPLETE STREETS FUNDING PROGRAM

## Current Program Participation



As of 12/9/19. See: [www.masscompletestreets.com](http://www.masscompletestreets.com)



# Thank You

---

**For more information visit:**  
[www.capecodcommission.org](http://www.capecodcommission.org)  
[www.masscompletestreets.com](http://www.masscompletestreets.com)

**CONTACT | STEVEN TUPPER**

508-744-1232 • [stupper@capecodcommission.org](mailto:stupper@capecodcommission.org)



CAPE COD  
COMMISSION