# **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

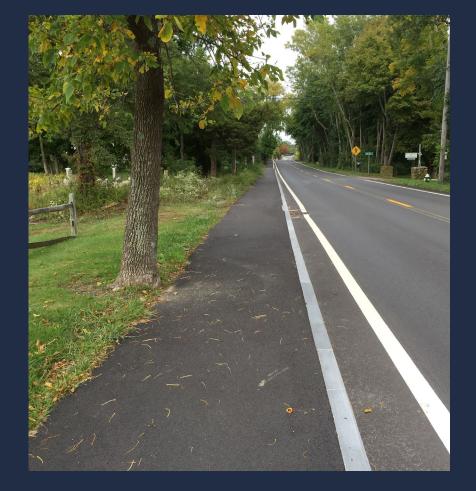
- + Sidewalks reduce pedestrian crashes 88%<sup>2</sup>
- + Shoulders reduce pedestrian crashes 71%<sup>3</sup>

#### 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>&</sup>lt;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; <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-incalifornia.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



Complete Streets/Living Streets A Design Manual for Cape Cod



October 2012 Cape Cod Commission



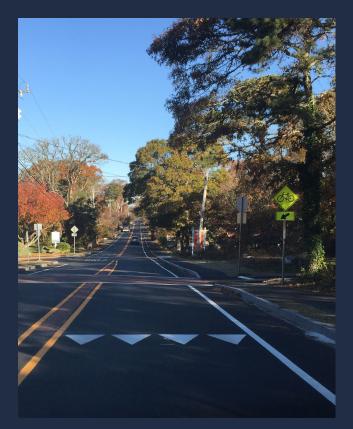
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### EVOLUTION OF COMPLETE STREES AT MASSDOT

MassDOT Mode Shift Goal (2012)

#### MassDOT Heathy Transportation Policy Directive (2013)

MassDOT Complete Streets Funding Program (2016)



### MASSDOT MODE SHIFT GOAL (2012)

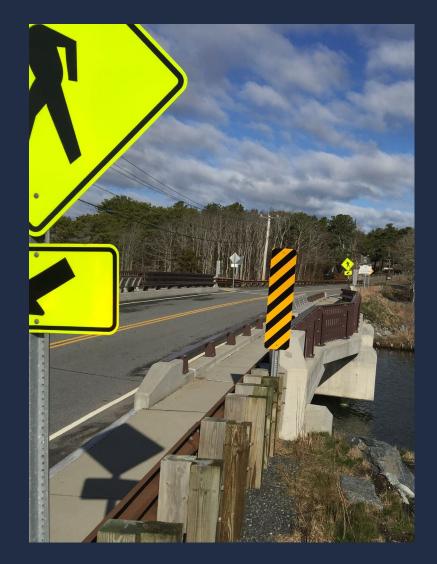


# Statewide mode shift goal

Graphic courtesy MassDOT

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## MASSDOT HEATHY 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 <u>municipalities</u> that demonstrate a commitment to embedding Complete Streets in policy and practice with <u>technical assistance</u> and <u>construction funding</u>"

[MassDOT Complete Streets Funding Program Guidance, January 2016]



### EVOLUTION OF COMPLETE STREES AT MASSDOT

#### MassDOT Mode Shift Goal (2012)

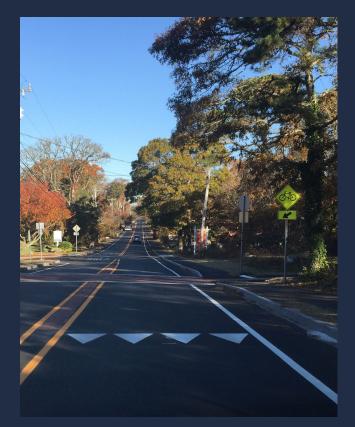
+ State-wide goal

#### MassDOT Heathy 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)



Complete Streets Funding Program Guidance



January 2016

### 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.





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TOWN OF SANDWICH - BOARD OF SELECTMEN

March 9, 2017

#### COMPLETE STREETS POLICY

#### Vision and Purpose:

Complete Streets are designed and operated to provide safety and accessibility for all the users of our roadways, trails, and transit systems. These users include pedestrian, bicyclists, transit, transit riders, vehicles, emergency vehicles, and people of all ages and of all abilities Complete Streets principles contribute toward the safety, health, economic viability, and quality of life in a community by providing greater opportunities in multi-modal and non-motorized ransportation, along with accessible and efficient connections between home, school, work, recreation and retail destinations by improving the pedestrian and vehicular environments throughout communities

The purpose of Sandwich's Complete Streets Policy, therefore, is to accommodate all users by creating a road network that meets the needs of individuals utilizing a variety of transportation modes. It is the intent of the Town to integrate the planning, design, operation and maintenance of streets so that they are safe for all users of all ages and abilities as a matter of routine. This policy directs decision-makers to consistently plan, design, and construct streets to accommodate all anticipated users including pedestrians, bicyclists, transit, motorists, emergency vehicles, and freight and commercial vehicles

The Town of Sandwich recognizes that all users of all modes, including, but not limited to, pedestrians, cyclists, transit and school bus riders, motorists, delivery and service personnel, freight haulers, and emergency responders, are legitimate users of streets and deserve safe facilities. "All Users" includes users of all ages and abilities

The Town of Sandwich recognizes that all projects, new, maintenance, or reconstruction, are included as opportunities to implement Complete Streets design principles. The Town will, to the maximum extent possible, design, construct, maintain, and operate all streets to provide for a comprehensive and integrated street network of facilities for people of all ages and abilities

March 9, 2017

### COMPLETE STREETS PROGRAM: PRIORITIZATION PLAN

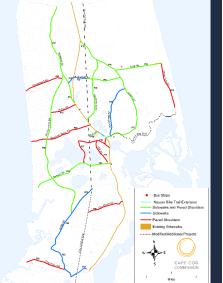
#### **Prioritization Plan must:**

- + 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 Prence Rd: Shoulders	\$318,000	\$318,000			
p18	15	Ocean View Rd: Shoulders	\$409,000	\$400,000			
p26	16	Dyer Prince Rd: Shoulders	rs \$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					
*Located in Cape Cod National Seashore – to be funded outside of Complete Streets Program							

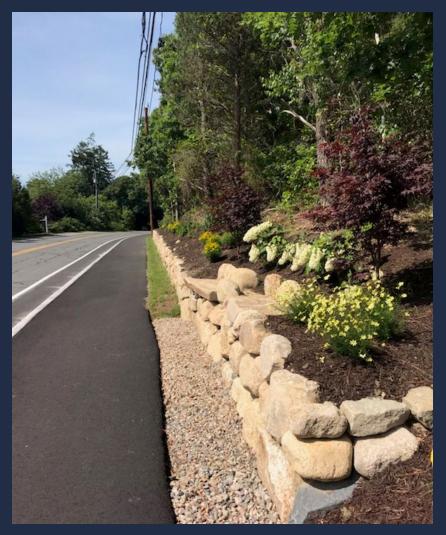
### COMPLETE STREETS PROGRAM: PROJECT FUNDING

#### 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



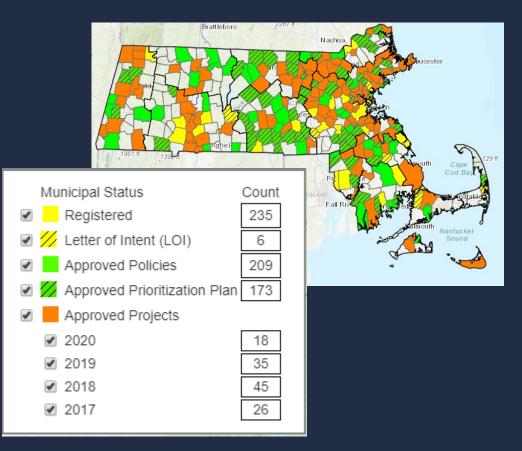
Ex. Sandy Neck Road Sidewalk - Sandwich Awarded FY2018 Complete Streets Funds

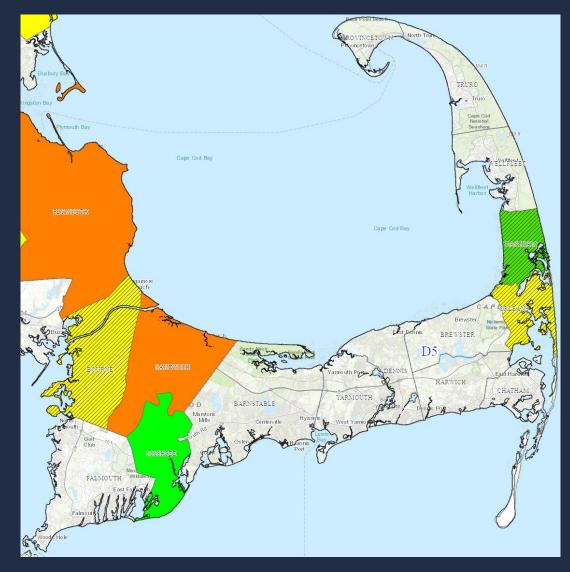
### COMPLETE STREETS PROGRAM: DEADLINES

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

### MASSDOT COMPLETE STREETS FUNDING PROGRAM

#### **Current Program Participation**





As of 12/9/19. See: www.masscompletestreets.com

# Thank You

For more information visit: www.capecodcommission.org www.masscompletestreets.com

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CAPE COD