TOWN OF DUXBURY

Complete Streets Prioritization Plan

Presented by

Keri Pyke

Principal

Aysha Minot

Project Manager

Presented to

Town of Duxbury, MA

Wednesday, October 28, 2020 6 p.m. – 8 p.m.



Agenda

- Who is HSH?
- Introduction to the Complete Streets Funding Program
- Review existing conditions
- Open House
 - Wikimap Tutorial
 - Get your feedback on problem areas and transportation issues in Duxbury



Our Services

We design, plan, and coordinate complex planning and engineering projects, providing unmatched focus on transportation solutions.

- Complete Streets Planning and Design
- Transportation Planning
- Public Involvement
- Traffic Engineering
- Roadway Design

- Site/Civil Engineering
- Traffic Impacts and Permitting
- Bridge Engineering
- Bus Rapid Transit
- Construction Services





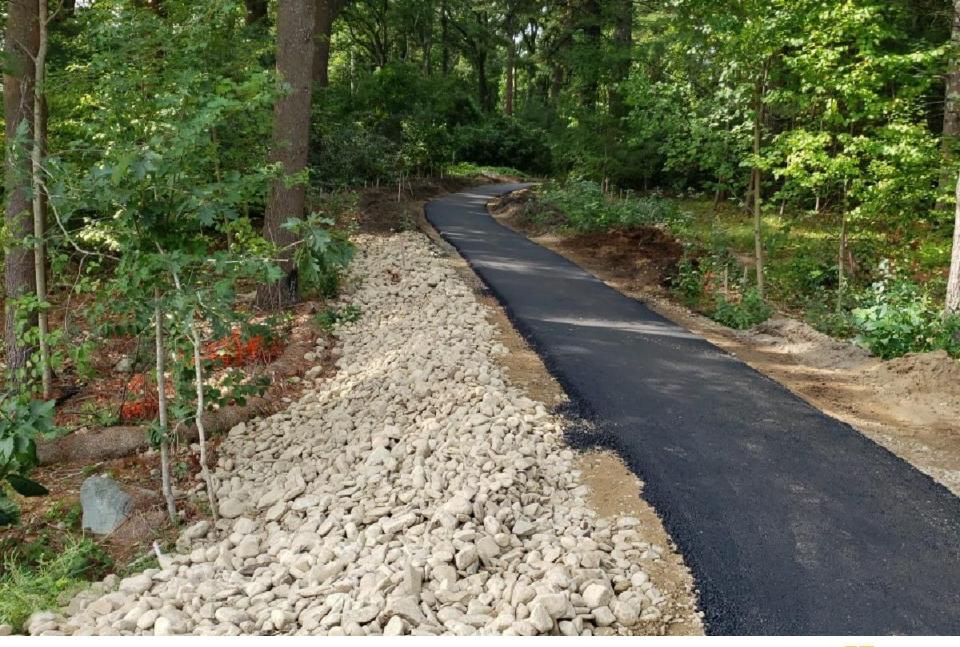
MassDOT's Shared Use Path Planning and Design Guide





Complete Streets Prioritization Plans, Statewide











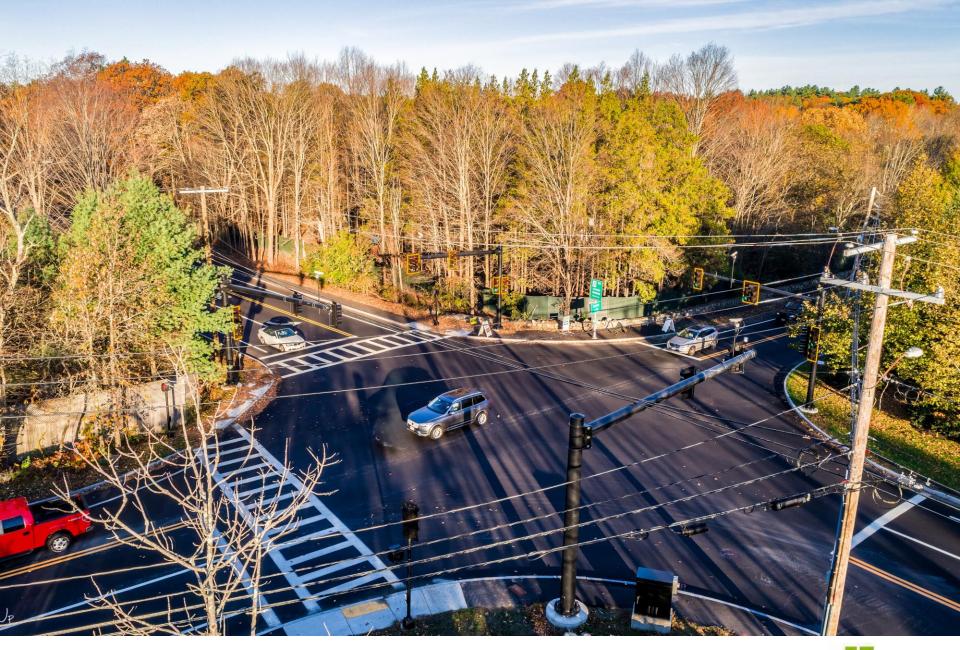
























Central Square Complete Streets Reconstruction











East Milton Square Reconstruction



- 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
- Improvements may be large scale, such as corridor-wide, or focused on the needs of a single mode at a single location
- Context-sensitive



PLANNING/PRIORITIZATION

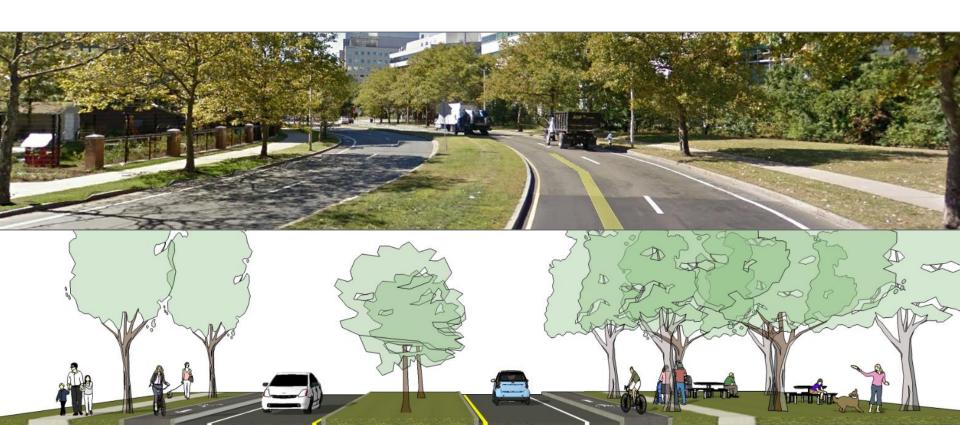
Benefits of Complete Streets

- Safety
- Accessibility
- Equity
- Health
- Economic
- For users of all ages and abilities:
 - Children
 - Seniors
 - Those with disabilities
 - Those without access to a car





- Program was released February 2, 2016
- The MassDOT Capital Investment Plan (CIP) started provided funding for this program in FY 2017
- Nearly \$46 million awarded for project construction to date



PROGRAM/FUNDING

Funding to Date

Engineers + Planners

Tier 1 Training and Policy

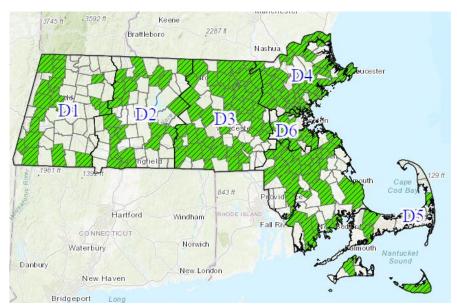
226 municipalities with CS policies

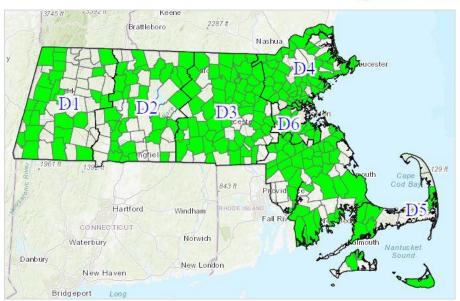
Tier 2 Prioritization Plan

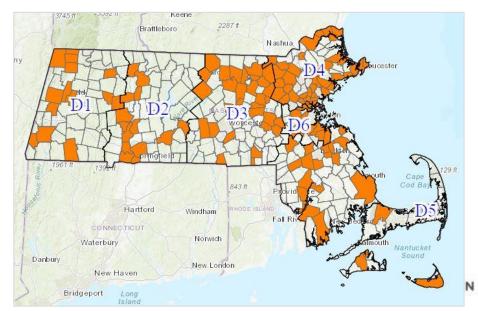
198 approved Prioritization Plans

Tier 3 Project Funding

- FY 17: 26 projects totaling \$9M
- FY 18: 45 projects totaling \$13.3M
- FY 19: 35 projects totaling \$9.8M
- FY 20: 42 projects totaling \$13.2M







CS Funding Program Snapshot

- Planning assistance to support CS Prioritization Plan up to \$38,000 available to any community (reimbursable)
- CS Construction up to \$400,000 annually (reimbursable)
- Projects must be fully designed or require little/no design to be funded.
 - Funds cannot be used for design
- Tier 3 (construction) cannot be used for projects on State-owned roads.
 - Route 3
 - Route 3A



- Tier 1: Training and Complete Streets Policy Development
- Tier 2: Complete Streets Prioritization Plan Development
- Tier 3: Project Approval and Notice to Proceed for Construction



- Compile existing studies, plans, projects, etc.
- Map areas of concern and areas with potential demand
- Gather input from the community and from Town officials
- Work with Town to identify a list of potential projects
- Prioritize projects based on potential, need, input from community, and Town officials' priorities



- Envision Duxbury Master Plan (2019)
- Duxbury Housing Production Plan (2019)
- OCPC Bicycle and Pedestrian Connectivity and Safety Survey (2018)
- Climate Vulnerability Assessment and Action Plan (2018)
- Traffic Study for Saint George St, Alden St, Railroad Ave (2018)
- Route 53 Corridor Study (2018)
- Duxbury Open Space Recreation Plan (2017)
- Route 3A Corridor Study (2017)
- Hall's Corner Economic Development and Transportation Study (2014)



Bicycle and Pedestrian Crashes, 2015-2019*

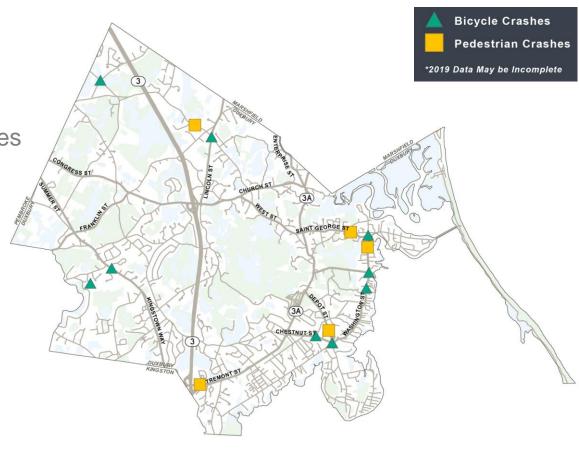
Engineers + Planners

 Crash sites may indicate potentially unsafe design conditions

17 bike and pedestrian crashes

between 2015 and 2019







Latent Demand – Bicycle and Pedestrian

Points of Interest Pedestrian Latent Demand Bicycle Latent Demand Churches Civic Services **Community Centers** Parks and Open Space Restaurants and Markets **Senior Destinations**

Sidewalk Condition

Engineers + Planners

Sidewalks condition is identified in four categories:

- Excellent (pavement is smooth/new and there are no obstructions),
- Good (pavement is smooth with few bumps and depressions and there are very little to no obstructions),
- Fair (pavement is comfortable with intermittent bumps and depressions and several obstructions
- Poor (pavement is uncomfortable with frequent bumps and depressions and there are many obstructions).







Bicycle Level of Comfort

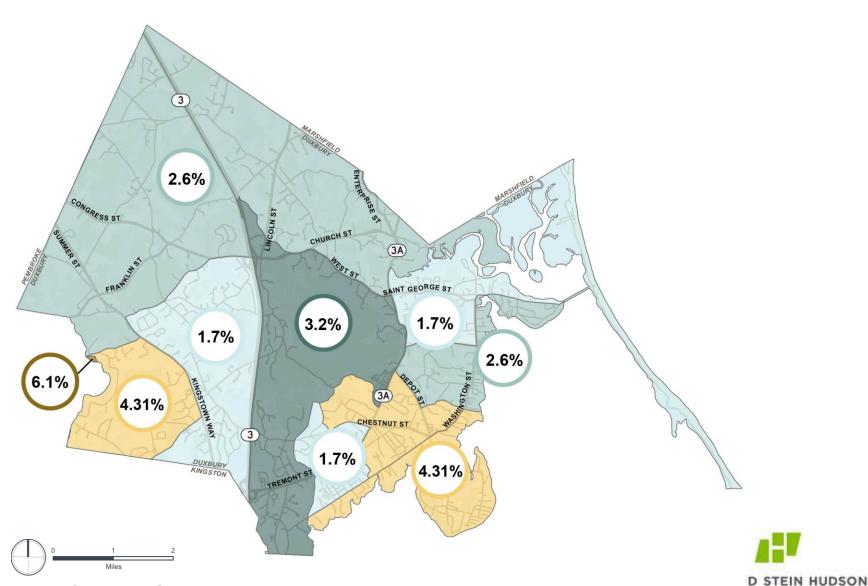
- Local roads and trails are typically comfortable for novice-level cyclists
- Narrow or high-volume roads are uncomfortable for most except for strong and fearless riders
- Criteria considered include:
 - Road width
 - Traffic volumes
 - The presence of a center line







Equity Assessment – Persons with Disabilities



Trends

- Most roads are not comfortable for cycling
- Missing connections between current pedestrian network and trails and points of interest
- Minimal sidewalk infrastructure around town

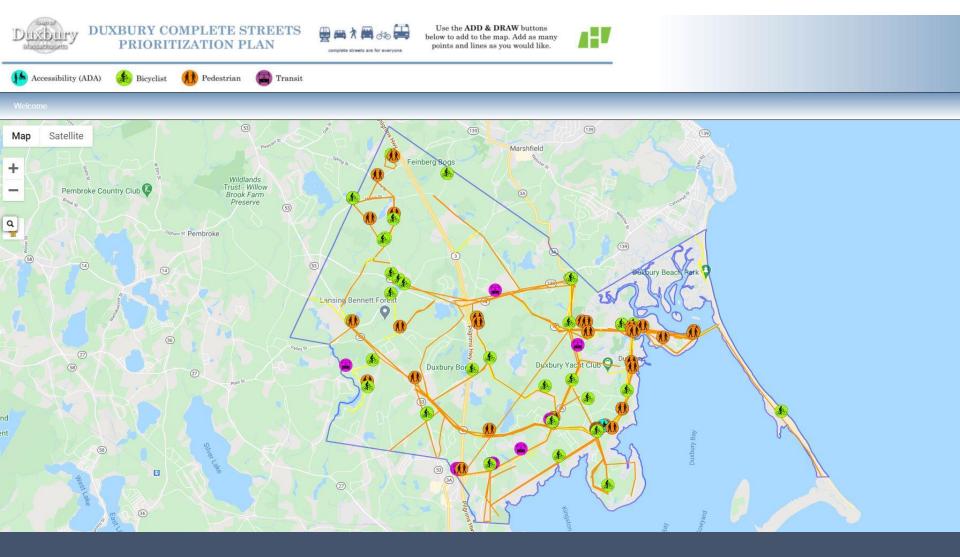


- Compile existing studies, plans, projects, etc.
- Map areas of concern and areas of potential
- Gather input from the community and from Town officials
- Work with Town to identify a list of potential projects
- Prioritize projects based on potential, need, input from community, and Town officials' priorities



Community and Municipal Input: WikiMap

ngineers + Planners



Go to: http://wikimapping.com/Duxbury.html

Community and Municipal Input: Public Meeting

- Input from community <u>Today!</u>
- Input from Duxbury Town officials Ongoing
- WikiMap Active and Ongoing







Community and Municipal Input: Public Meeting

- Today's Virtual Meeting
 - Answer any questions about the program
 - Use the WikiMap to write down your comments regarding problematic areas and issues relating to biking, walking, and taking transit





- Compile existing studies, plans, projects, etc.
- Map areas of concern and areas of potential
- Gather input from the community and from Town officials
- Work with Town to identify a list of potential projects
- Prioritize projects based on potential, need, input from community, and Town officials' priorities



Next Steps

- 1. Continue stakeholder and community input
- 2. Project identification and prioritization
- 3. MassDOT's Complete Streets portal deadlines:

April 2021 – Tier 2 (Prioritization Plan)

May 2021 – Tier 3 (Funding Application)

For more information:

Aysha Minot

Project Manager

Howard Stein Hudson

completestreets@hshassoc.com



Questions?



