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Improvement of Millstone Road – Status Update Brewster, MA

Presented by

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September 5, 2019

Overview

- Project Team
- Work Completed
- Design Standards
- Project Goals, Details, and Examples
- Impacts Summary
- Tentative Project Schedule

Project Team

- Town of Brewster
 - Town staff, Town Boards & Committees
- Brewster Residents
- Project Surveyor
 - J.M. O'Reilly & Associates
- Project Designer
 - VHB

Work Completed

- Project survey (2.5 miles of roadway)
- Initial public outreach meeting
- Pavement testing
- Ongoing coordination between DPW and VHB
- Select Board presentation
- Preliminary layout of reconstructed roadway & new sidewalk

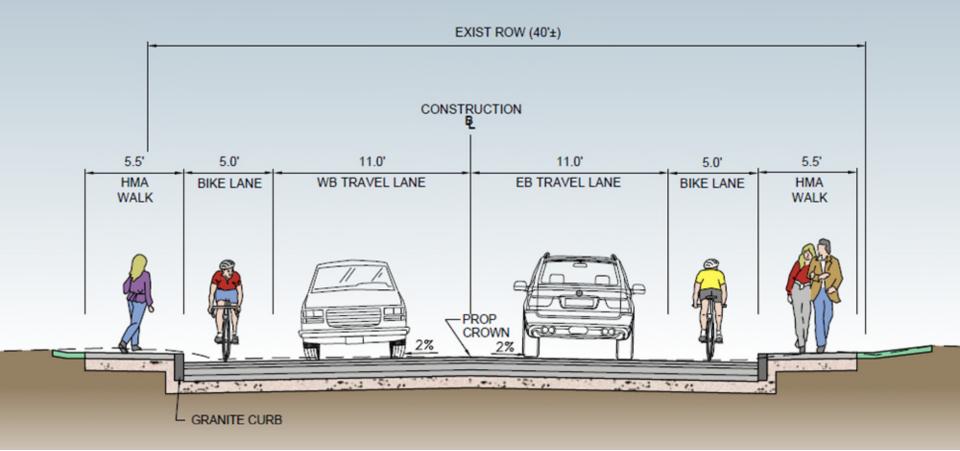
Design Standards

- American Association of State Highway & Transportation Officals (AASHTO) – A Policy on Geometric Design of Highways and Streets (2018 Edition)
 - Sight distance, horizontal & vertical geometry, cross section elements
- AASHTO Roadside Design Guide (2011 Edition)
 - Traffic barrier (guardrail)
- MassDOT Project Development and Design Guide (2006 Edition)
 - Context sensitive and multi modal design

Project Goals

- Provide ADA compliant sidewalk for entire length of road
- Improve safety of roadway for all users
 - Vehicles: improve roadway geometry
 - Pedestrians: add sidewalk
 - Bicyclists: widen space to operate within road
- Provide better interconnections with existing transportation network (Rail Trail, etc)
- Improve drainage facilities along roadway

Complete Streets Build Out (Best Practices)



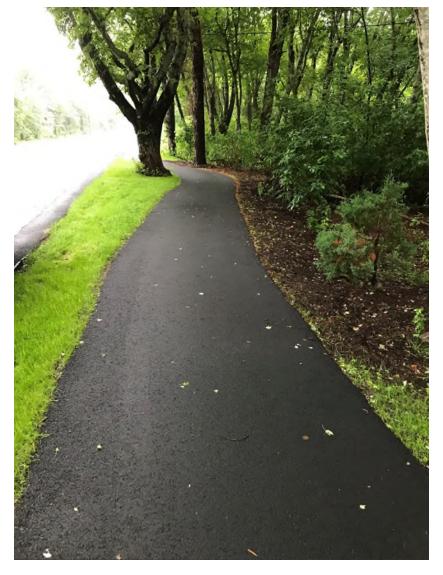
Proposed Project Design Details

- 11 foot travel lanes and 2 foot shoulders on both sides
 26 foot total paved width
- Edge treatment mainly Cape Cod asphalt berm
- New 5 foot asphalt sidewalk installed for the length of Millstone Road (with a single crossing at Fern Lane)
- 3 foot grass strip installed between berm and sidewalk along majority of project
- Granite curbing/edging to be installed only where necessary
- Significant drainage upgrades

Project Details

- Selective water line upgrades
- Selective roadway horizontal curves adjustments for safety
- Vertical geometry TBD
 - grading tie-ins and drainage structure locations will follow this design
- Estimated construction cost: \$4.9M













Impacts Summary

- Potential reduction of speed limits pending state approval
- Selective permanent easements
 - Required to construct & maintain sidewalk
 - Need for construction/maintenance of drainage and overhead utilities TBD
- Temporary easements
 - Grading tie-in (lawns and driveways)
 - Vegetation clearing within work limits
- Relocation of 20+/- utility poles (no new streetlights)

Tentative Project Schedule – Design Phase

- Winter 2020 Preliminary Design Submittal
- Winter/Spring 2020 Right-of-Way discussions with Town officials and project abutters
- Summer 2020 Public Outreach Meeting
- Fall/Winter 2021 Final Design Submittal
- Winter 2021 Project advertisement & bidding

Tentative Project Schedule – Construction Phase

- Spring 2021 Contractor mobilizes; drainage, site clearing, and utility relocations begin
- Fall 2021 Widening and sidewalk excavation, install curbing, milling & initial paving
- Spring 2022 Install asphalt sidewalk and berm, finish paving, signage & striping

Questions? Comments?

Contact Info

Site specific questions:

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Overall project questions:

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