

A large, semi-transparent circular seal of the Town of Bedford is visible in the background. The seal contains the text "TOWN OF BEDFORD" at the top and "Incorporated September 23, 1796" at the bottom. In the center of the seal is a shield with a plow and a sheaf of wheat, with the word "VINCE" above it.

Minuteman Bikeway Extension The Great Road Final Design Project Updates

Presented by
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March 14, 2016



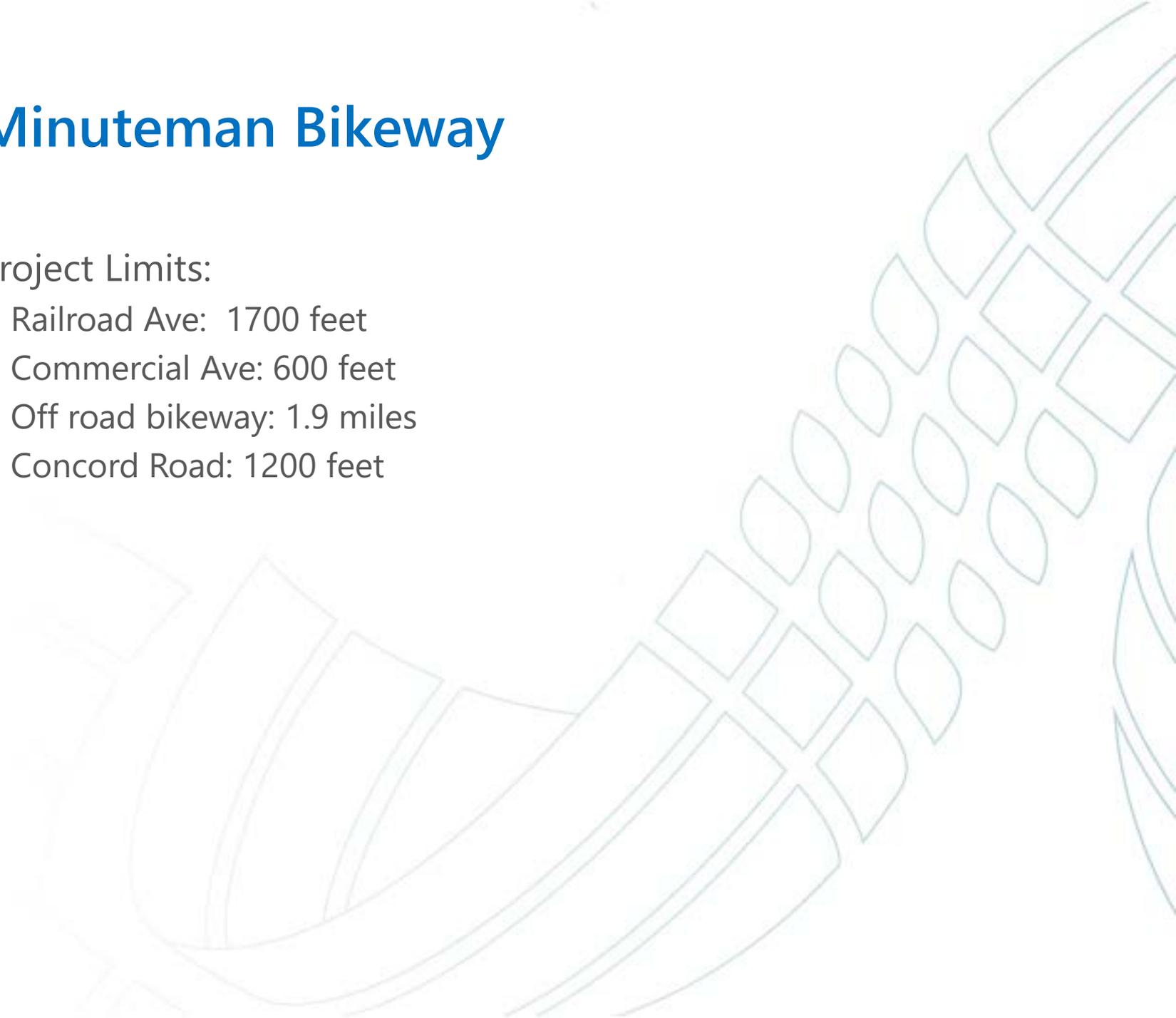
Minuteman Bikeway

Minuteman Bikeway

- MassDOT approved use of state and federal funding for project in April 2014
- Total construction cost approved: \$4,006,200.00
- Project will extend from Depot Park to Concord T/L (2.2 miles)
- Project currently not on the Transportation Improvement Program

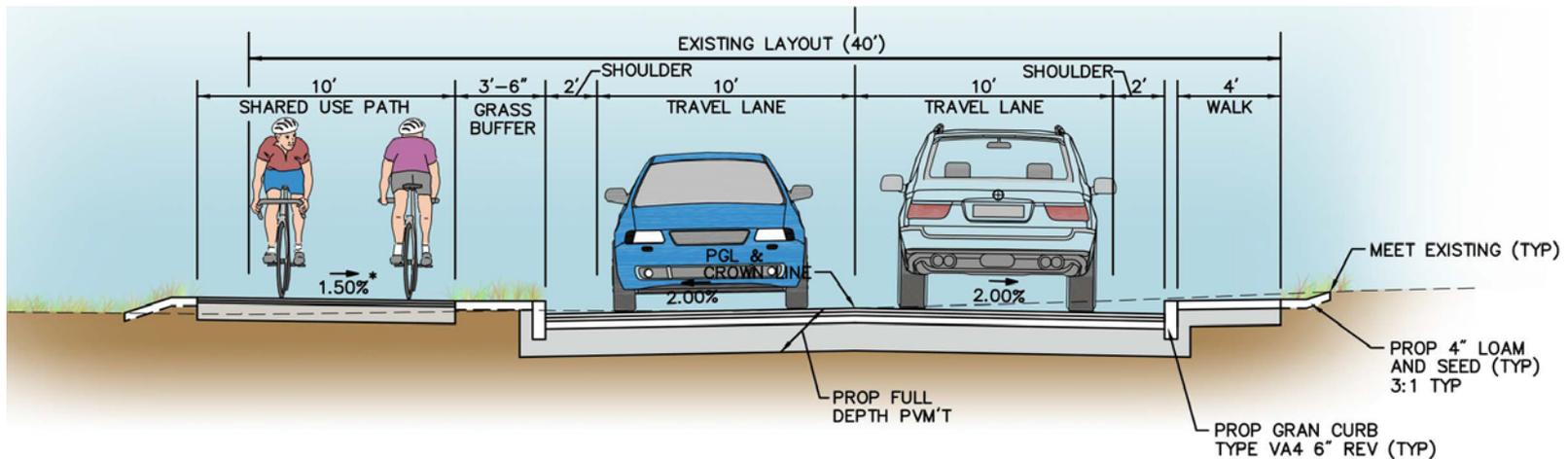
Minuteman Bikeway

- Project Limits:
 - Railroad Ave: 1700 feet
 - Commercial Ave: 600 feet
 - Off road bikeway: 1.9 miles
 - Concord Road: 1200 feet



Minuteman Bikeway Cross sections –

Railroad Ave



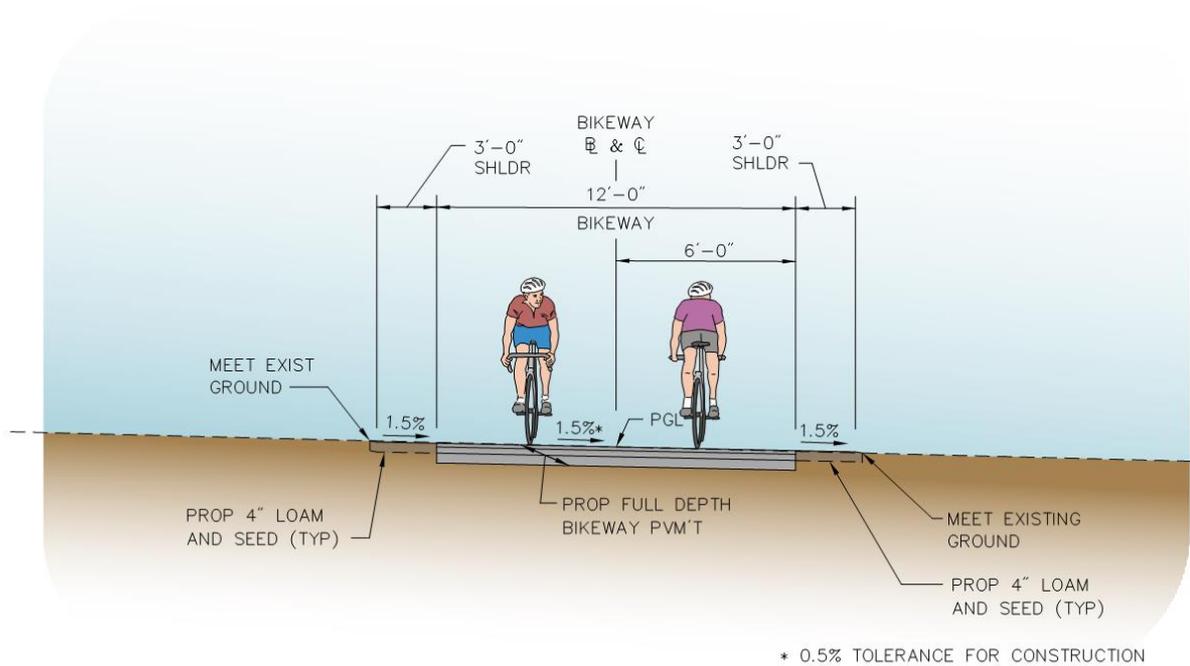
TYPICAL SECTION – B-B

NTS

*0.5% CONSTRUCTION TOLERANCE

Minuteman Bikeway Cross sections –

Off road bikeway



Minuteman Bikeway

- Design Amendment 2
 - Advances project to preliminary design (25%) to submit to MassDOT
 - Due to limited funding sources and timing
 - Includes the evaluation of the Concord Road /Bikeway crossing
 - Underpass
 - Protected at-grade crossing (HAWK, RRFB, Pedestrian signal)

Minuteman Bikeway

- Design Scope includes:
 - Railroad Ave at South/ Loomis Street
 - Traffic signal modification
 - Bikeway crossing
 - Railroad Ave and Commercial Ave
 - Roadway reconstruction
 - Drainage reconstruction
 - Shared use path design
 - Gravel parking area on Railroad Ave

Minuteman Bikeway

- Design Scope includes:
 - Off Road bikeway design from Railroad Ave to Concord Town Line
 - Evaluation of crossing treatments
 - Railroad Ave
 - Hartwell Road
 - Concord Road
 - Trail heads
 - Railroad Ave
 - Concord Road
 - Wheeler Drive
 - Drainage Design
 - Right of Way Plans
 - MassDOT Public Hearing



The Great Road

The Great Road

- Master Plan completed in August 2012
- Project includes The Great Road from Hillside to Willson Park and North Road from Willson Park to Carlisle Road.
- Willson Park final design is not included
 - Roadside Safety Audit to be conducted
 - Additional concepts to be developed
- Recommended plan will vary slightly
 - 5 foot bike lanes
 - Crossing treatments at Hillside will be reconsidered

Overhead utilities will not be relocated underground.

Project Program and Goals

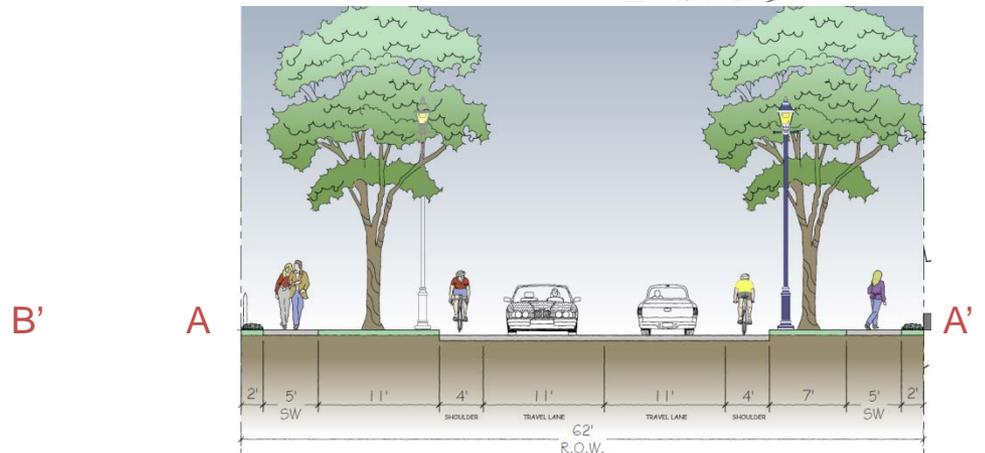
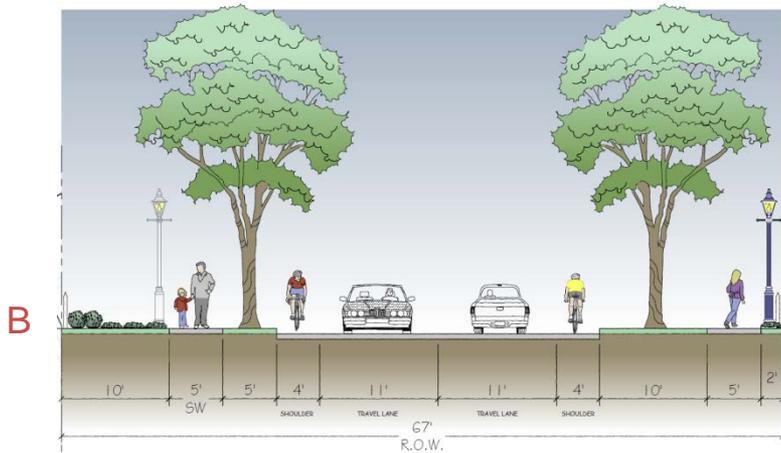
- Develop palette of streetscape materials that are historically appropriate
- Update materials and locations of walkways and crosswalks
- Update lighting with period lights and bury overhead utility lines
- Minimize length of crosswalks and narrow roadway width
- Accommodate bicycles along the length of the corridor
- Reduce curb cuts and modify roadway geometry to decrease vehicle conflicts
- Add or update traffic signals as appropriate
- Enhance gateways into District



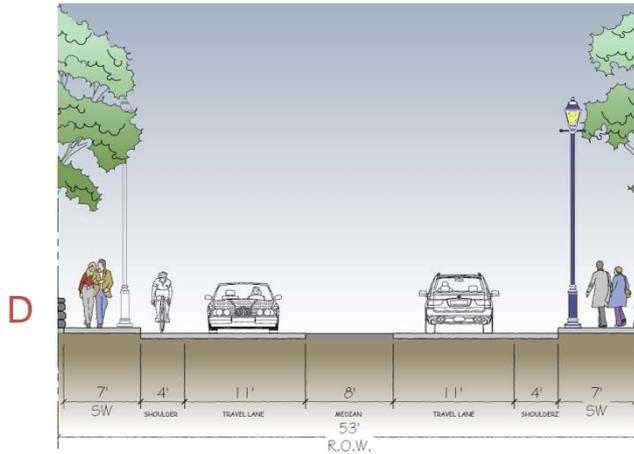
The Great Road - Concept Plan



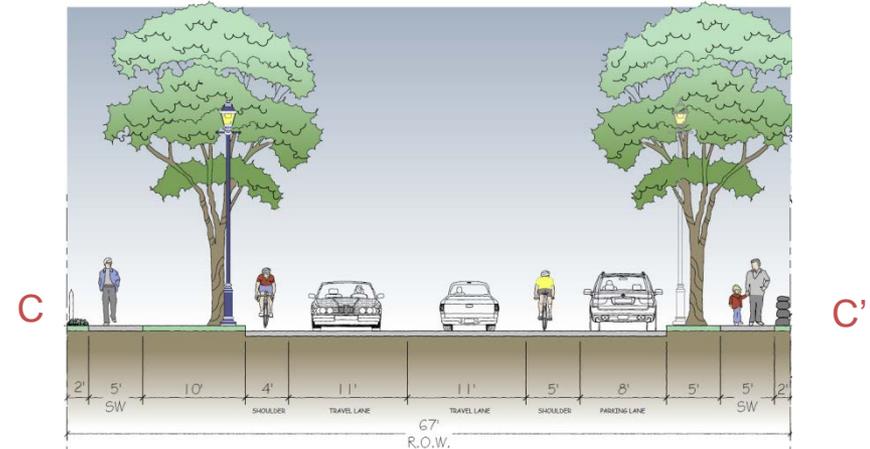
The Great Road - Concept Plan



The Great Road - Concept Plan

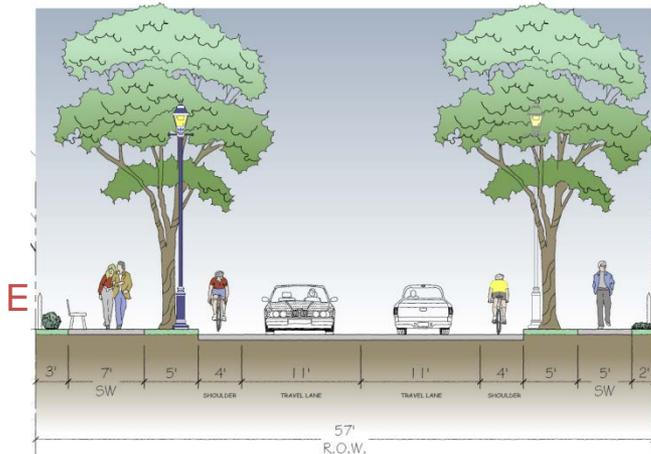


D'



C'

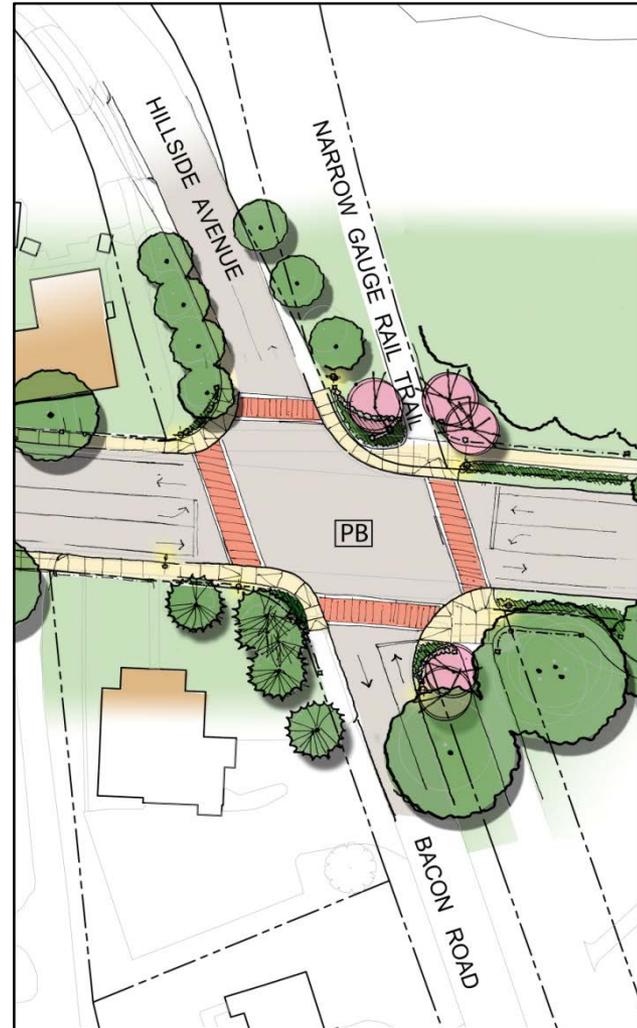
The Great Road Concept Plan



The Great Road - Concept Plan Gateways



From the North

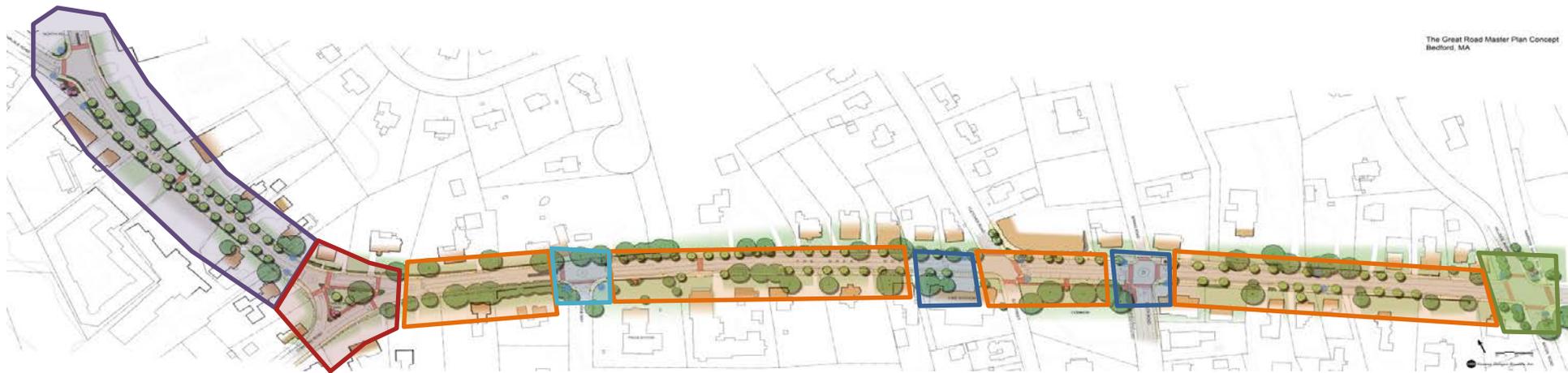


From the East

Phasing and Cost

Total Project Cost: \$6,200,000

- **Phase 1:** The Great Road at South Road/Springs Road, and the Fire Station signals - \$2,000,000 – Complete
- **Phase 2:** The Great Road at Mudge Way - \$1,000,000 (SRTS) – on 2016 TIP
- **Phase 3:** North Road from Willson Park to Carlisle Road - \$1,000,000
- **Phase 4:** The Great Road at Hillside Ave /Bacon Road & gateways to Historic District - \$500,000
- **Phase 5:** The Great Road corridor - \$2,500,000
- **Phase 6:** Willson Park – To Be Determined



The Great Road

- Design Amendment 3
 - Advances project to Final Design
 - Does not include Willson Park final design
 - Includes the evaluation of the pedestrian crossing at Hillside and Bacon
 - Protected at-grade crossing (HAWK, RRFB, Pedestrian signal)

The Great Road – Construction Funding

- Transportation Improvement Program (TIP)
- MassWorks
- Complete Streets (eligible components)
- Local funds
- Chapter 90

Phases will be constructed as funding becomes available

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Offices located throughout the east coast