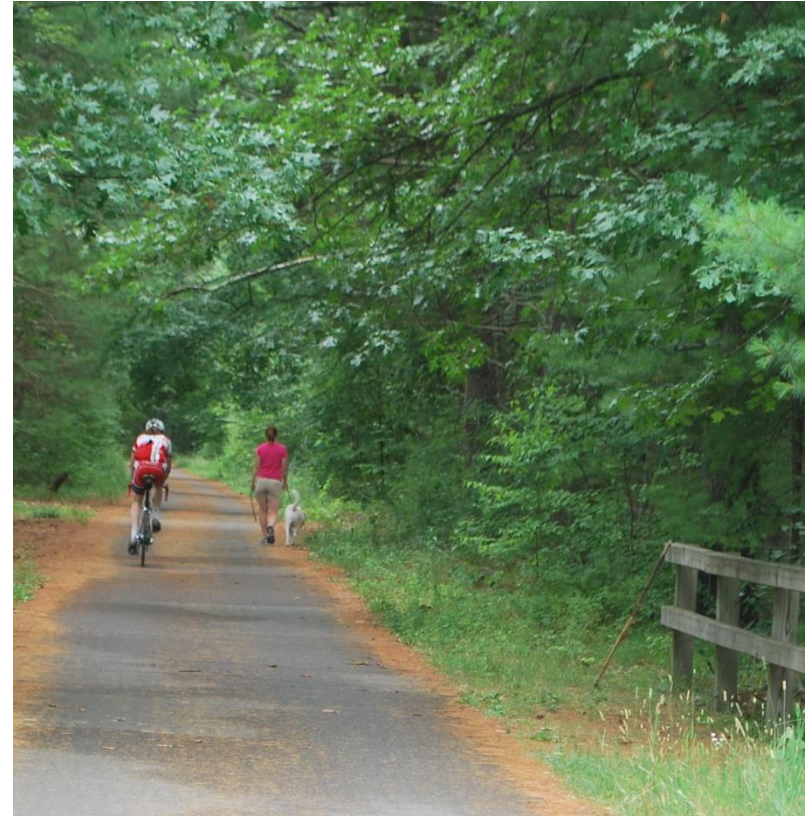




Advancing the Bruce Freeman Rail Trail Design

Proposal for Capital Funding

Capital Improvement Advisory Committee
January 31, 2017



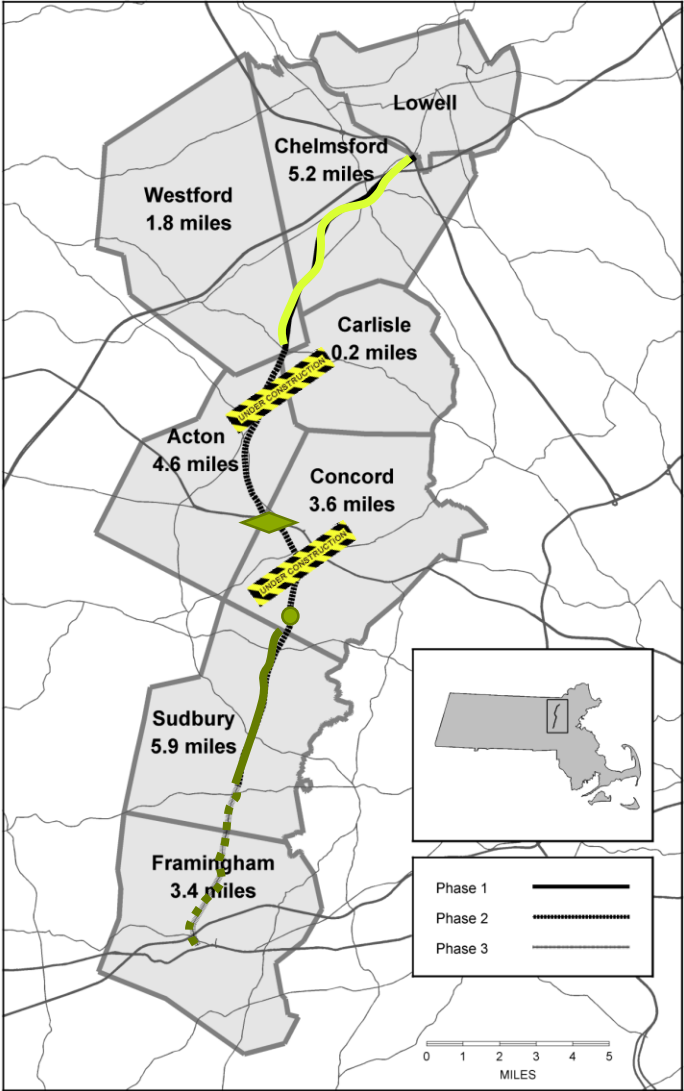
Advancing the Bruce Freeman Rail Trail Design

- FY 2018 Capital Request:
 - The Board of Selectmen is requesting \$330,000 to continue to advance the design phase of the BFRT in Sudbury.
 - A 4.4 mile section of BFRT is being designed to meet MassDOT multi-use path standards
- Funds previously appropriated allow for the completion of the 25% design (anticipated in spring of 2017) and the initiation of the 75% design phase.
- Approval of the funds for FY18 will allow for continuity in the project design without a lag in the design process.

Bruce Freeman Rail Trail Overview

- A 25-mile rail trail between Lowell and Framingham along the former Old Colony Railroad
- The corridor is owned by the MassDOT Rail Division

-  Phase 1, Chelmsford and Westford Completed 2009 south to Route 225.
-  Phase 2A, Westford, Carlisle and Acton Under construction. Complete summer 2017
-  Phase 2B, Bridge over Route 2 25% Design underway
-  Phase 2C, Concord Construction contract awarded.
-  Phase 2C, Concord south of Powder Mill Road; Construction with Sudbury Ph2D.
-  Phase 2D, Sudbury south to Mass. Central Crossing 25% design underway.
-  Phase 3(Sudbury portion AKA 2E), Sudbury and Framingham Negotiations with CSX ongoing.



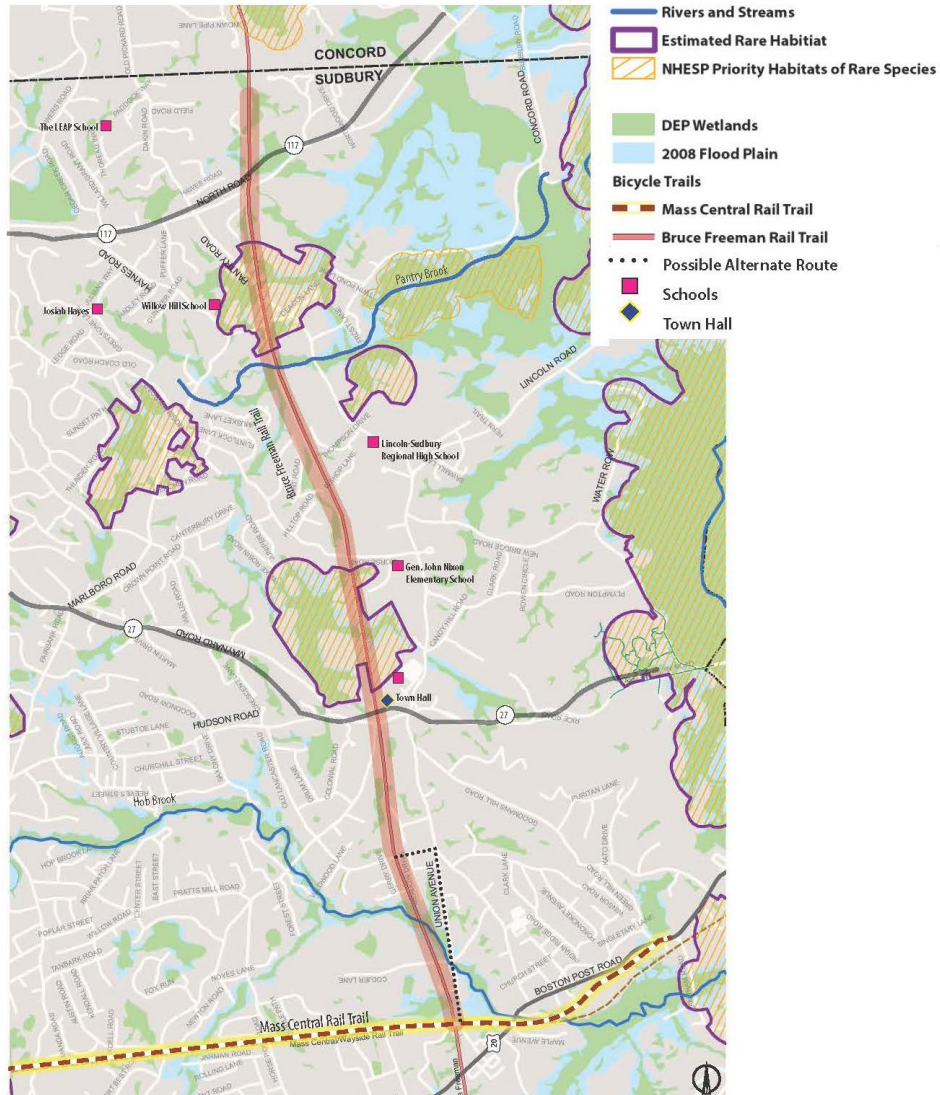
Bruce Freeman Rail Trail Overview

Why pursue the BFRT?

- Provides a safe and separated recreational and commuter path
- Uses
 - Walking
 - Bicycling
 - Jogging
 - In-line skating
 - Cross country skiing and snow shoeing
- Promotes healthy communities and transportation options
- Offers connections to schools, retail districts, and other points of interest without the use of vehicles
- Regional connections



Bruce Freeman Rail Trail in Sudbury: Project Area



- In Sudbury, approximately 4.4 miles (Phase 2D)
- Intersects the Mass Central Rail Trail (east-west corridor) near Route 20
- The project in design is from the Station Road near the junction with Mass Central north to the Concord Town line

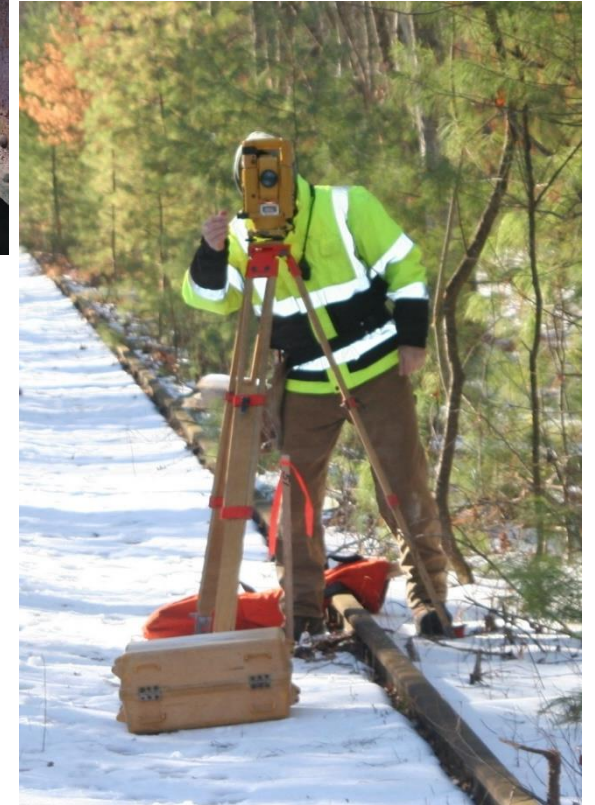
Bruce Freeman Rail Trail in Sudbury : Progress toward 25% Design

Pre-Design Process

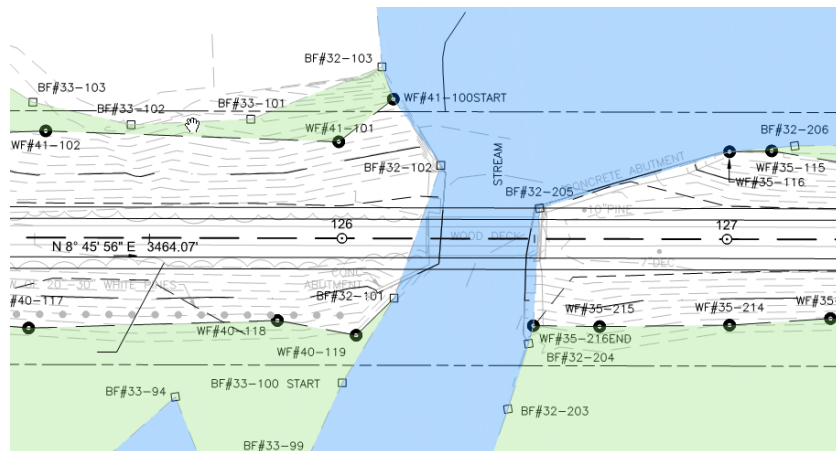
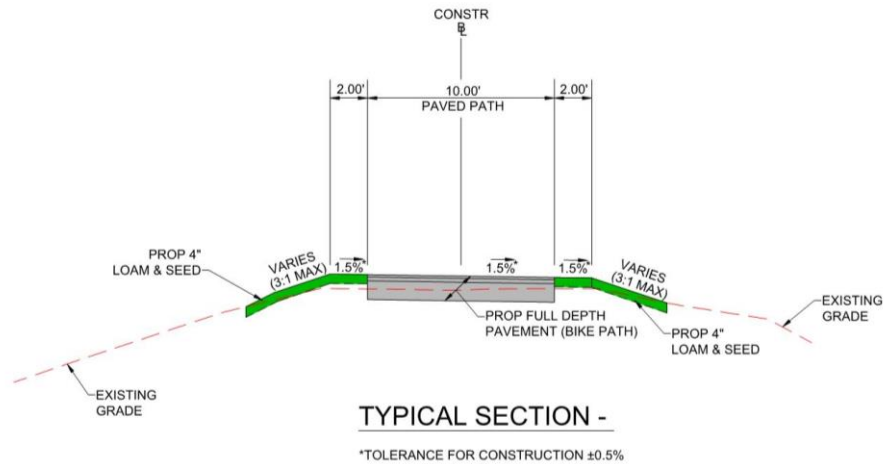
- Ground Survey
- Locating wetland boundaries
- Bridge Inspections

Design Process

- Order of Resource Area Delineation (ORAD) issued by the Conservation Commission on November 14, 2016
- Preliminary Design Plans
- Preliminary Structural Analysis
 - Hop Brook Bridge
 - Pantry Brook Bridge
- Parking Study
 - Davis field
 - Featherland Park
 - Ti-Sales Field
- Roadway Crossings Traffic Counts
 - Conducted safety analysis
 - Development of alternatives for each roadway crossing
 - Evaluate signal warrants



Bruce Freeman Rail Trail Design in Sudbury: Context Sensitivity

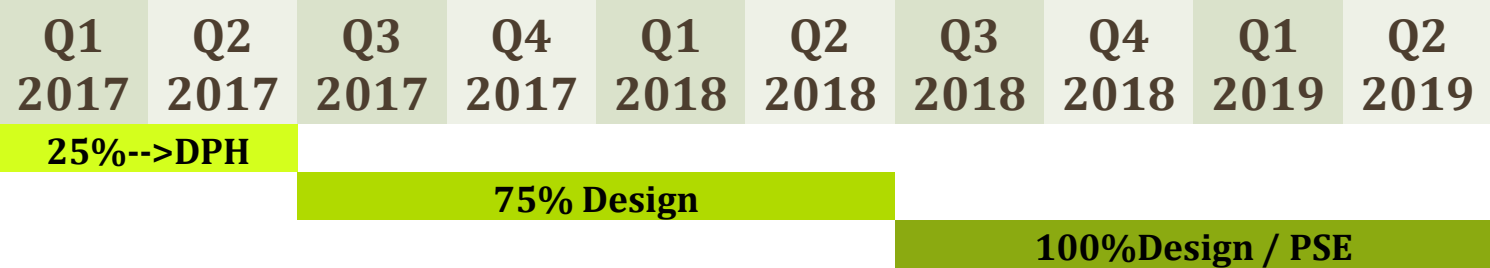


Preliminary design plans are available at

<https://sudbury.ma.us/pcd/2014/11/25/bruce-freeman-rail-trail-update-info/>

Bruce Freeman Rail Trail in Sudbury: Design Project Context

- Timeline (estimated)



- Budget

25% design (CPA and FoBFRT)	\$292,000
75% Design - Part 1 (CPA FY2017)	\$150,000
75% Design - Part 2 - Estimate	\$330,000
100% Design / PSE - Estimate	TBD
Construction Estimate (anticipate funding from state and federal funds)	\$7 Million



Key:
 Q - Quarter of Calendar Year
 DPH - Design Public Hearing (MassDOT)
 CPA – Community Preservation Act
 FoBFRT – Friends of Bruce Freeman Rail Trail
 PSE - Plans, Specifications, Estimate
 TBD - To be determined



Questions?

BFRT Contact Information:
Please email your thoughts on the BFRT Design Project to pcd@sudbury.ma.us.
Please put "BRFT" in the subject line of your email and include your name and address.

If you would like to be added to the BFRT Project email list, please visit <https://sudbury.ma.us/email-lists/brft>.

Thank You!

