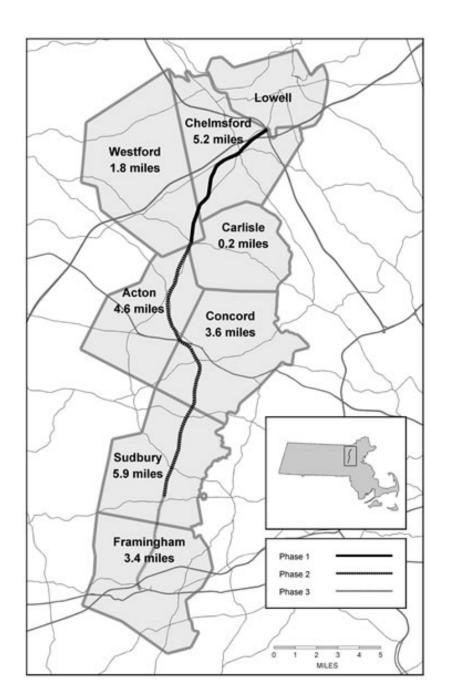


Bruce Freeman Rail Trail Sudbury, Massachusetts

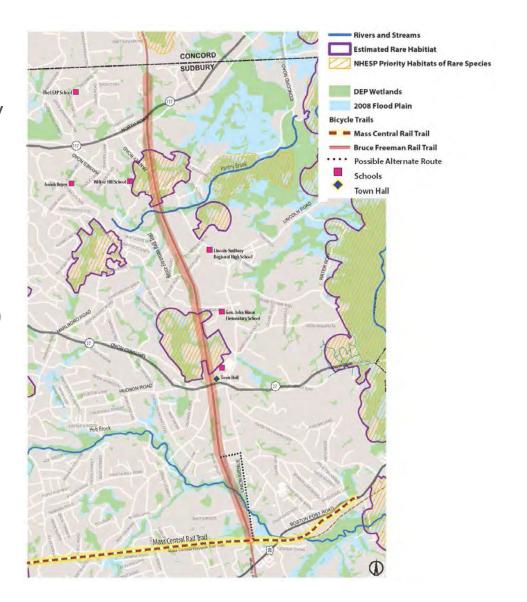


Bruce Freeman Rail Trail (BFRT)

- BFRT is a 25-mile rail trail between Lowell and Framingham along the former Old Colony Railroad
- The rail corridor is owned by the Commonwealth of Massachusetts (MBTA)
- 6.8 miles constructed in Lowell, Chelmsford & Westford (Phase1)
- Concord Section (Phase 2C) from Commonwealth Ave to Powder Mill Road is scheduled for construction in Spring 2017

BFRT in Sudbury

- In Sudbury, the rail trail is a north-south corridor which extends from south Sudbury north approximately 4.4 miles to the Concord Town line (Phase 2D)
- Intersects the MassCentral Rail Trail (east-west corridor) near Route 20
- This project is from the Station Road near the junction with MassCentral north to the Concord Town line





- Data Collection
 - Ground Survey
 - Locating wetland boundaries
 - Bridge Inspections





- Establish Environmental Constraints
 - Filed an Abbreviated
 Notice of Resource Area
 Determination (ANRAD)
 with Sudbury
 Conservation Commission
 on July 26, 2016
 - Conservation Commission hearing September 26, 2016
 - Order of Resource Area
 Delineation (ORAD)
 issued November 14,
 2016



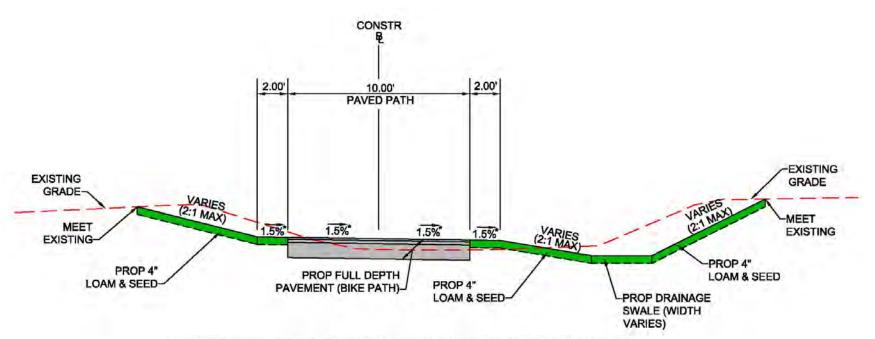


- Design Development
 - Conceptual Path Alignment
 - Path Alternatives Analysis along Union Avenue
 - Monthly Design Meetings
 - Preliminary Structural Analysis
 - Parking Study
 - Davis Park
 - Route 20 (Location TBD)
 - Roadway Crossings
 - Conduct safety analysis
 - Development of alternatives for each roadway crossing
 - Evaluate signal warrants

Conceptual Design

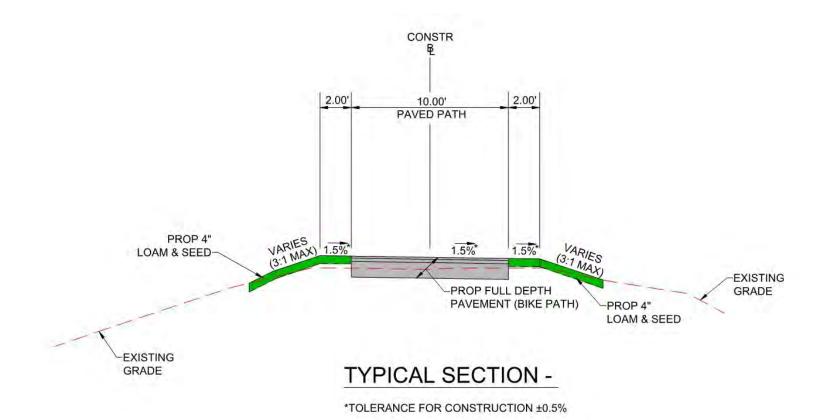


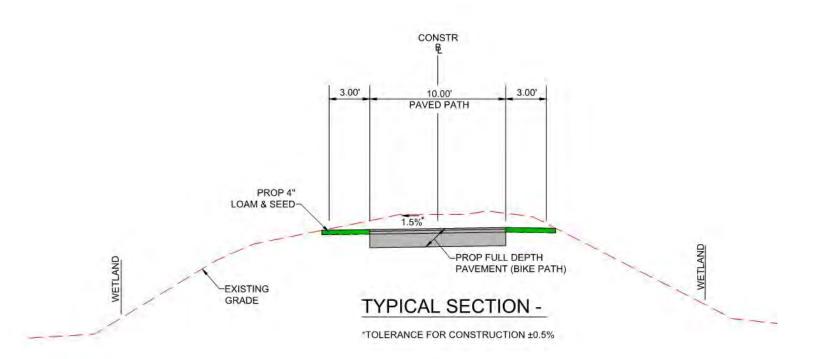
- Consistent with MassDOT & AASHTO design standards
- 14 foot wide path (10 foot paved, with two-foot grassed shoulders)
- Grass drainage swales



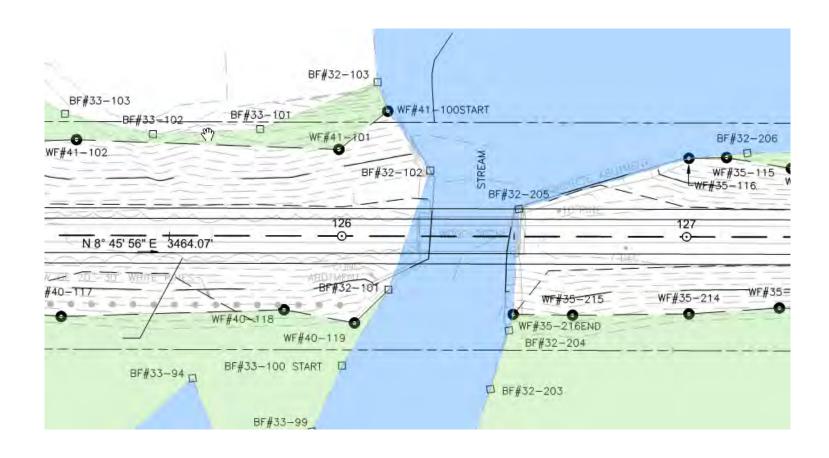
TYPICAL SECTION WITH DRAINAGE SWALE-

*TOLERANCE FOR CONSTRUCTION ±0.5%





Sta. 126+25 - Hop Brook Bridge

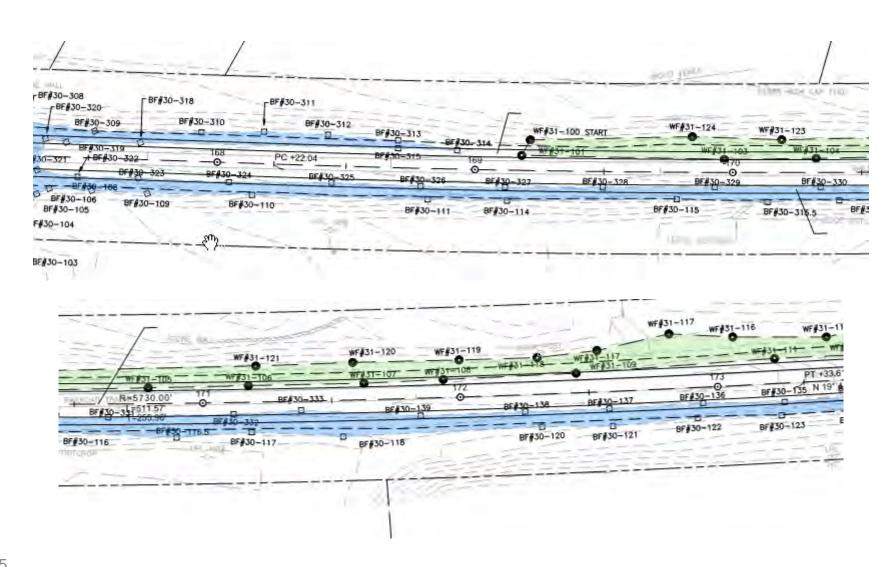


Sta. 126+25 - Hop Brook Bridge

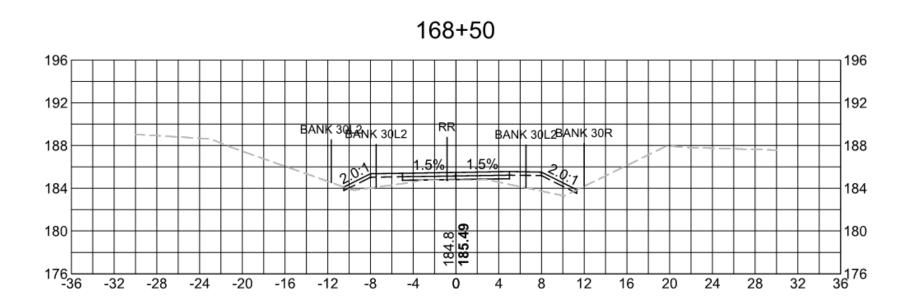




Sta. 167+50 - Sta. 174+00



Sta. 167+50 - Sta. 174+00



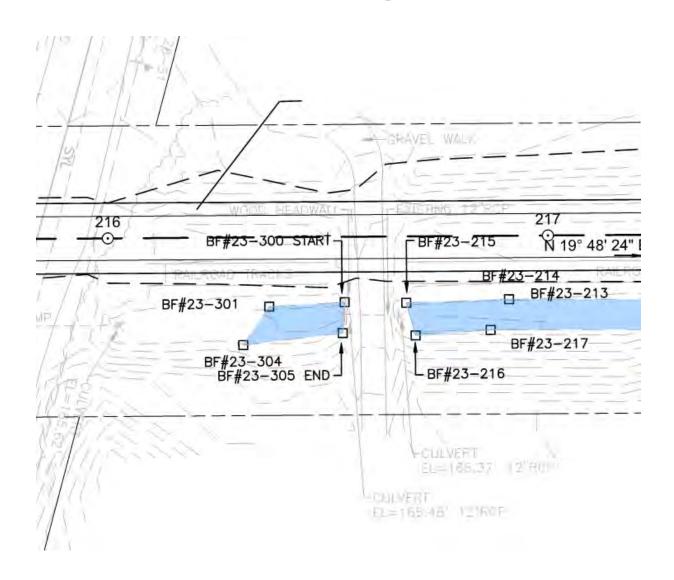
Sta. 167+25



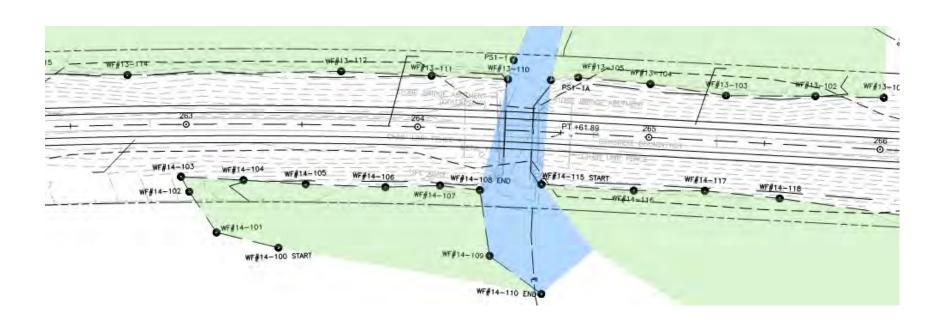
Private Crossing - Sta. 216+50



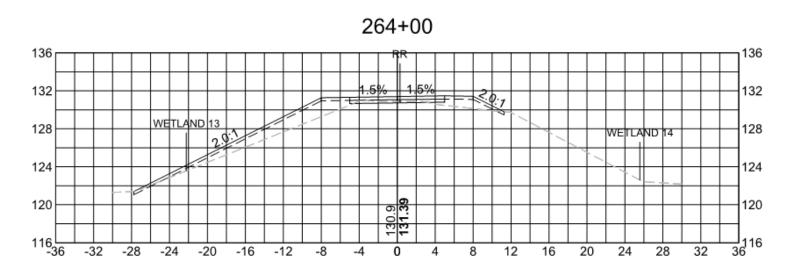
Private Crossing - Sta. 216+50

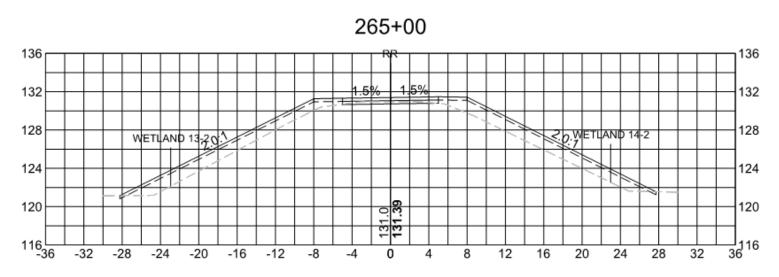


Sta. 262+50 to Sta. 266+00



Sta. 262+50 to Sta. 266+00





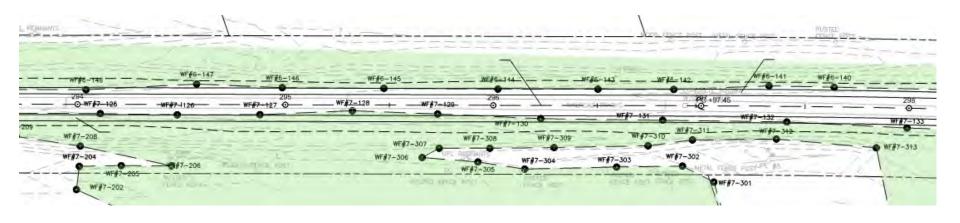
Pantry Brook – Sta. 264+50

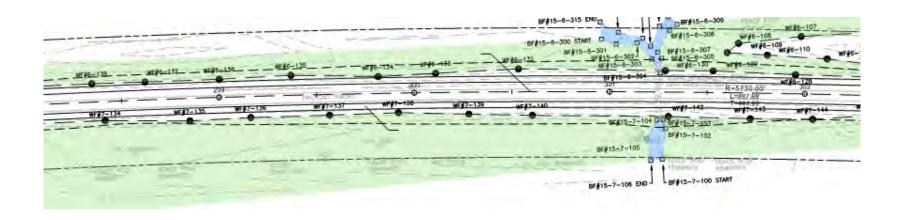


Pantry Brook – Sta. 264+50

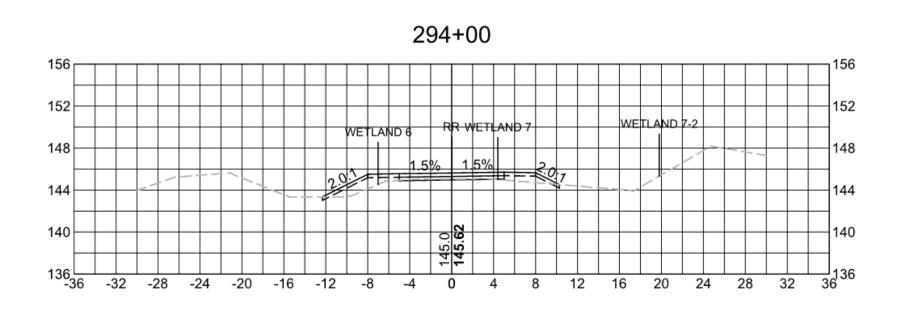


Sta. 292+00 to Sta. 304+00





Sta. 292+00 to Sta. 304+00



Cattle Crossing – Sta. 199+55



Cattle Crossing – Sta. 258+50





Cattle Crossing – Sta. 269+80





Cattle Crossing – Sta. 321+55

