Bourne Rail Trail

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Bikepath History

- Cape Cod Commission Feasibility Study
  - Completed - April 2017
  - Major findings
    • Rail-to-Trail (rail removal) – est. cost: $9.045 million
    • Rail-with-Trail (rail remains; new bridges) – est. cost: $25.498 million
    • Rail-with-Trail (rail remains; at-grade crossings) – est. cost: $14.699 million
    • Existing rail has 21 road and water crossings (including 9 bridges)
Bourne Rail Trail

- **Phase 1:** Parking Lot at Canal to Monument Neck Road (2,750 ft)

- **Phase 2:** Monument Neck Road to Valley Bars Road (11,000 ft)

- **Phase 3:** Valley Bars Road to Shipyard Lane (10,000 ft)

- **Phase 4:** Shipyard Lane to Falmouth T/L (7,600 ft)

- Approx 6 mile rail trail connecting the Canal Path to the Falmouth Shining Sea
**Design Features**

- 10 ft wide paved surface
- Trail designed 18ft away from Rail line
- Chain Link Fence between the rail line and trail
- Boardwalk spanning over wetland along the corridor
- Connection to the existing Canal Service Rd parking lot
- Signs and striping on Bell Rd and Presidents Road/ Monument Neck Rd approaching trail crossing
- Trail users need to cross Monument Neck Rd as a pedestrian
Typical Sections

EXIST RAILROAD LAYOUT (WIDTH VARIES)

RAILROAD LAYOUT

EXIST GROUND

MEET EXIST

SHLD (2.1 MAX)

VARIES

1.5%*

3'

1.5%*

10'

1.5%*

3'

SHLD

SHARED USE PATH CONSTRUCT.

SHARED USE PATH

PROP FULL DEPTH

PVMT SUP

PROP 8' CHAIN LINK FENCE

(6' GAP AT BOTTOM OF FENCE

FOR ANIMAL PASSAGE)

VARIES

(2.1 MAX)

PROP 4' LOAM & SEED

MEET EXIST

EXIST

TYPICAL SHARED USE PATH SECTION

NTS

STA 35+50± TO STA 38+94±

STA 23+47± TO STA 26+70± (RAILROAD BASELINE)

*0.5% TOLERANCE FOR CONSTRUCTION
Typical Boardwalk section
Bell Road crossing

[Diagram of Bell Road crossing with various labeled areas including:
- Prop Temp Const Easement
- Prop 3' Loam & Seed Shoulder (Typ)
- Prop 10' Full Depth Sph (Typ)
- Prop Clearing & Grubbing (Typ)
- Prop Loam & Seed (Typ)
- Approx Limit of Grading (Typ)
- Prop Textured Decorative Pavement
- Prop Pipe Gate
- Prop 6' Compacted Railroad Ballast (Typ)
- Connect to Existing Paved Connection Path
- Existing Parking Area]
Monument Neck Rd at Presidents Rd
Design and Construction Project Status

Phase 1

Design
Preliminary (25%) design submitted to MassDOT May 2020
Borings for boardwalk scheduled for June 2020

Construction
$1,900,000 approved by MassDOT
Construction advertisement 2024
Right of Way

- Temporary Easements needed to blend the gradings along the trail into the surrounding land surface.
- 5 temp easements needed – 3 on private property, 1 for the Town of Bourne, and 1 for the Corp of Engineers
- 4 permanent easements needed for the drainage ditch designed adjacent to the path – 1 for the Town of Bourne, and 3 on private property
Right of Way
Right of Way
Next Steps

- Receive Comments from the Town, Railroad, and MassDOT Highway Division
- Respond to the comments
- Design Public Hearing
- Environmental permitting
- 75%, 100%, PSE submittals
- Secure the needed temporary and permanent easements
- Construction 2024
Thank you!