



# Town of Sudbury

Planning and Community Development Department

Flynn Building  
278 Old Sudbury Rd  
Sudbury, MA 01776  
978-639-3387  
Fax: 978-443-0756

<http://www.sudbury.ma.us/planning>

TO: Board of Selectmen  
FROM: Beth Suedmeyer, Environmental Planner, Planning and Community Development  
RE: BFRT Design Project Update  
DATE: July 9, 2019

I am pleased to provide this summary of project status in response to the request for an update on the Bruce Freeman Rail Trail (BFRT) Design Project (BFRT, Phase 2D, MassDOT ID 608164). The 25% project design of the rail trail from the Concord Town line to near Station Avenue is nearly completed pending additional structural design development and review by MassDOT.

As you know, the Project is on the Boston MPO Transportation Improvement Program (TIP) for construction funding in federal fiscal year 2022. In May of 2019, the revised construction funding amount approved by the MPO was \$9,334,137. The current estimated advertising date, our target final design date, is in December 2021. The project design must be "shovel ready" by October 2022 to take advantage of the state and federal funds for construction.

## 25% Design

Jacobs Engineering was contracted in August 2018 to prepare the 25% structural design and Bridge Sketch Plans. They have developed the geotechnical data collection plan (approved by MassDOT and the Conservation Commission), contracted with the boring sub-consultant, submitted the draft type selection worksheet for the boardwalk to MassDOT for comment, and are developing the sketch plans for Hop Brook. Additionally, a hydrological survey was conducted at Pantry Brook to inform the flood analysis and structural design. The boring work will begin and be completed in August resulting in the Geotechnical Report and Sketch Plans being submitted to MassDOT in September. A brief estimated schedule is outlined below.

## Jacobs Structural Design Schedule

<b>GEOTECHNICAL TASKS</b>	<b>Approximate Schedule</b>
Preconstruction Meeting	Week of July 29
Geotechnical Borings Start	Week of August 5
Geotechnical Borings End	Week of August 19
Soil Samples Analyzed and Tested and Final Environmental Monitoring Report submitted	Week of September 14
Geotechnical Report Submitted	Week of September 23
<b>STRUCTURAL TASKS</b>	
Sketch Plans Prepared	Week of September 14
Sketch Plans Submitted to MassDOT	Week of September 23
<b>MassDOT REVIEW (could take 3 – 6 months)</b>	End of 2019
<b>MassDOT DESIGN PUBLIC HEARING</b>	Early 2020

## Final Design

The remaining phases of the design, as designated for a MassDOT project, are the 75% design and the 100% phases. The 75% design activities include development of the special provision and itemized cost

estimate. The landscape plans will be further developed and the environmental permitting will be initiated. The 100% design activities address the 75% design comments from MassDOT and ensure all work proposed is clearly described on plans and special provisions. Final details are indicated and permitting is completed. A draft RFP for procurement of a consultant to conduct these final stages of design is in development.

**Budget Summary**

To date, the Town has appropriated (through Town Meetings) \$1,182,492.15 towards the BFRT design. Once the current contracts with VHB and Jacobs are completed, the estimated remainder of 2016 TM and 2018 STM funding will remain to complete the final design phase.

**BFRT Project Design Account Balances and Contracts**

<b>Active BFRT Accounts</b>		
<b>Funding Source</b>	<b>Appropriation</b>	<b>Note</b>
2014 Town Meeting (for 25%)	\$202,492.15	25% Design
Donation Friends of BFRT (for 25%)	\$58,700.00	25% Design
2016 Town Meeting (for advancing design)	\$330,000.00	Jacobs Contract of \$146,700, which leaves \$183,300 for 75/100% Design
2018 Special Town Meeting (for advancing design)	\$650,000.00	75/100% Design
<b>TOTAL</b>	<b>\$1,241,192.15</b>	
<b>Contracts</b>	<b>Amount</b>	
25% VHB Original	\$261,000.00	
25% VHB Amendments	\$30,550.00	
25% Structural - Jacobs	\$146,700.00	
25% Jacobs Amendment	\$36,675.00	
Anticipated 75/100% Contract	\$833,300.00	
Funding source for amendments were Planning, DPW, and Town Manager Budgets.		