

**TOWN OF GOFFSTOWN**  
**NEW HAMPSHIRE**

**REQUEST FOR QUALIFICATIONS  
FOR  
ENGINEERING SERVICES RELATED TO GOFFSTOWN RAIL-TRAIL  
BICYCLE/PEDESTRIAN PROJECT (16029 X-A001(095))  
DESIGN AND CONSTRUCTION SUPERVISION**

The Town of Goffstown, New Hampshire, is seeking Statement of Qualifications from New Hampshire licensed professional engineering firms to provide engineering and technical services to the Town of Goffstown in the areas of Design and Construction Supervision for Goffstown Rail-Trail Bicycle/Pedestrian Project - State Project 16029 (X-A001(095)). The proposed project is for improvements to approximately 3,200 linear feet of existing trail which includes: two at grade crossings of Route 114, one at grade crossing of Henry Bridge Road and either a bridge or fill crossing of the ravine at the old Henry Bridge Road ROW.

All statements must be received by, 2:00PM, prevailing time, on April 1, 2011. Interested parties must submit Five (5) copies of their statements in a sealed envelope marked with the company name, address, and "2011 Goffstown Rail-Trail - RFQ". Statements should be addressed to the Town Administrator, Town Hall, 16 Main Street, Goffstown, NH 03045. The Town of Goffstown reserves the right to reject any and all statements. Interviews may be scheduled the week of the April 18, 2011.

The Town hereby notifies all respondents that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit proposals in response to this invitation and will not be discriminated against on the grounds of race, color, national origin, sex, age, or disability in consideration for an award.

Copies of the request for qualifications may be obtained, without charge, from the Department of Public Works, 404 Elm Street, Goffstown, NH 03045, and telephone number (603)-497-3617 or on the Town's web site at <http://www.goffstown.com>

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**BACKGROUND**

The Town of Goffstown has been developing a 5.5 mile Bicycle/Pedestrian Trail constructed on former rail corridor within the Town of Goffstown. The trail runs approximately parallel to State Route 114. The trail connects the center of Goffstown Village to the western end of the Piscataquog Rail Trail (one of Manchester's rail trails) which extends east across the Merrimack River and connects into Manchester's Heritage Trail. The Town has completed four (4) Bicycle/Pedestrian Trail projects since 2008. The proposed project is for 3 surface Right of Way crossings one of which potentially includes trail head construction with parking, a bridge or fill crossing of a 23-foot deep dry gully at public ROW discontinued in the 1980's. It also includes approach definition of approximately 3,200 linear feet of existing trail, known as the Goffstown Rail Trail (which is owned by the Town of Goffstown). The Town would like to put this project out to bid by Spring 2012.

A survey plat of the entire Rail Trail is on file at the Hillsborough County Registry of Deeds, Plan # 35888. The 3,200 feet of trail built by this project extends from station 244+00 to 264+00 and 322+00 to 334+00; however, these lengths could be modified based on the results of the engineering study and cost estimates.

A limited engineering study of alternatives, concept plans and preliminary costs is attached to this RFQ.

**SCOPE OF SERVICES**

The Engineering firm shall provide engineering and technical services associated with the following:

Existing condition survey and documentation (Town can provide GIS base maps)

Development/identification of design criteria to meet the requirements of the TE Program,  
Preliminary Engineering Study,  
Environmental review, identifying necessary permits such as NEPA, etc.,  
Coordination with NH Natural Heritage Bureau, NHDES (if necessary) and NHDOT,  
Assist in acquiring necessary right-of-way access and documentation with two businesses and  
PSNH (maintenance and use agreements),  
Preliminary Design,  
Development of preliminary cost estimates,  
Development of final design, bid documents and cost estimates,  
Construction oversight and inspection,  
Coordination and attendance of meetings with Town Staff and other local and state bodies as  
required,  
Experience with Transportation Enhancement (TE) Program.

## **SUBMISSION REQUIREMENTS**

Statement must contain the following:

- Demonstrate that the firm and the principal staff who will be assigned the work have experience in bicycle/pedestrian/multi-use trail work.
- Evidence that the firm has performed or is performing bicycle/pedestrian/multi-use services similar to the Scope of Services for more than two (2) local municipal government clients in the last three (3) years.
- Demonstrated experience and qualifications of the actual people who will undertake the work.
- Demonstrate that the firm and the principal staff who will be assigned the work have a thorough understanding of New Hampshire Department of Transportation (NHDOT) Transportation Enhancement (TE) Program and the requirements for the program for all phases of work.
- Provide a listing of municipal or local government clients for whom general engineering and bicycle/pedestrian/multi-use trail design/construction services have been provided. Include client name, address, contact person, telephone number, number of years of service, and parameters covered.
- Identify any subcontractor or firm that may be used during the course of the contract.
- Brief discussion on methodology for project approach and management.
- Five (5) copies of proposal, with tabs separating each section.

## **SELECTION PROCESS:**

A review committee comprised of Town staff will review all statements and select a number of firms for formal presentation and interview. The selection will be based upon a combination of factors including, but not limited to:

- Experience of appointed staff
- Schedule and time to perform work
- Experience of supervisory personnel
- Experience and capabilities of the firm
- Management approach and capacity to perform the work
- Experience with NHDOT Transportation Enhancement
- Successful completion of similar scope of work
- References

Statements, when received, shall be irrevocable for a period of ninety (90) calendar days following date received. The Board of Selectmen's judgment shall be final and the right is reserved by the Town to reject any or all statements as he/she may determine *incomplete*, and to waive defects in form or minor irregularities where the best interest of the Town would be served.

General questions regarding this RFQ may be addressed to:

Carl Quiram  
Director of Public Works  
404 Elm Street  
Goffstown, NH 03045

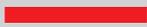
(603) 497-3617 x23

[cquiram@goffstownnh.gov](mailto:cquiram@goffstownnh.gov)

## ATTACHMENTS

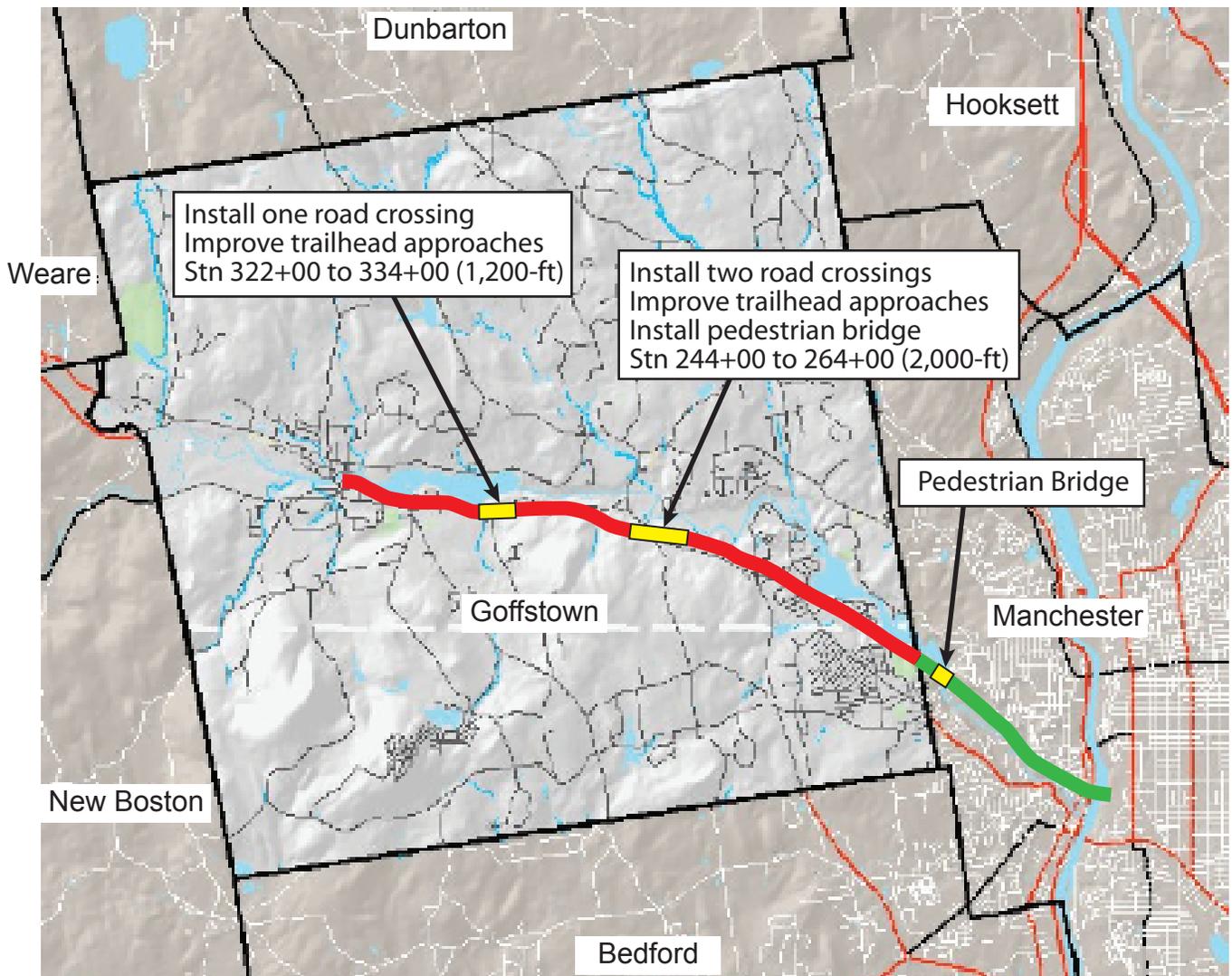
## Initial Project Briefing

Goffstown Rail Trail improvements  
using TE funds under State Project 16029

Goffstown Rail Trail - Location  5.5 Miles  
TE Funded Project Site 

For reference only:

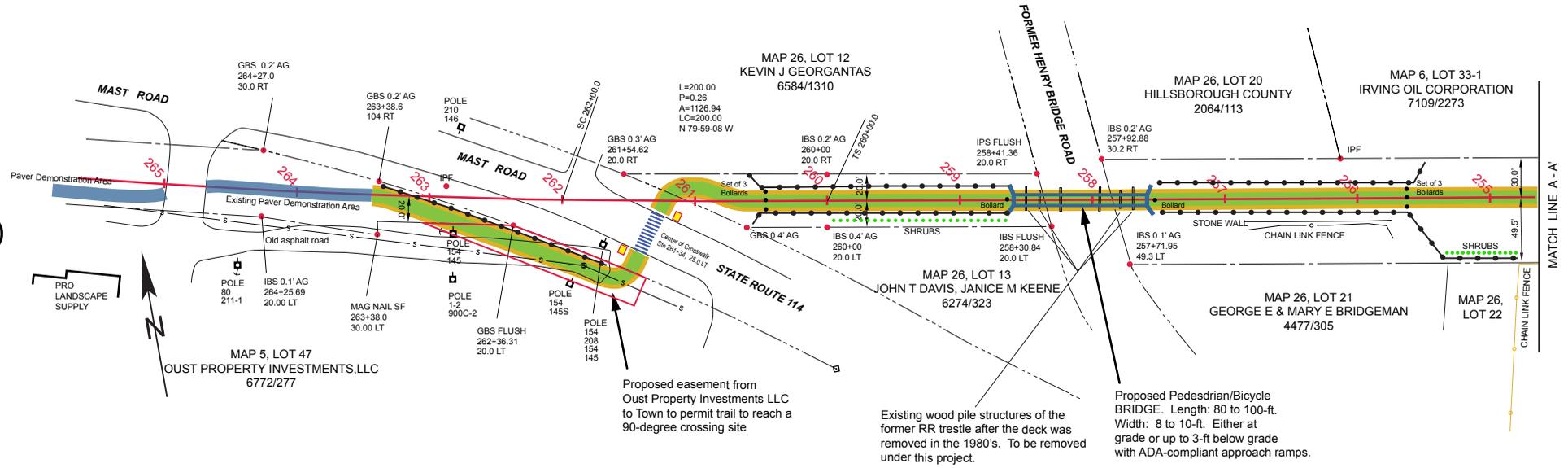
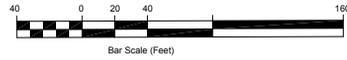
Piscataquog Trail - Location  2.1 Miles  
TE Funded Project Site 



January 2011



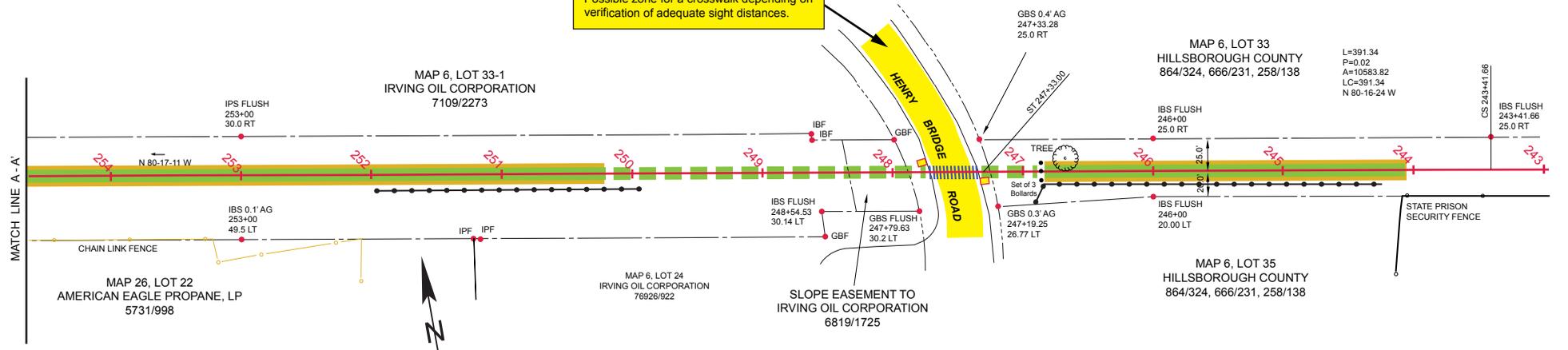
# Concept for Goffstown Rail Trail Crosswalks, Bridge and Trail Improvements from Station 244+00 to 264+00 (2,000 feet)



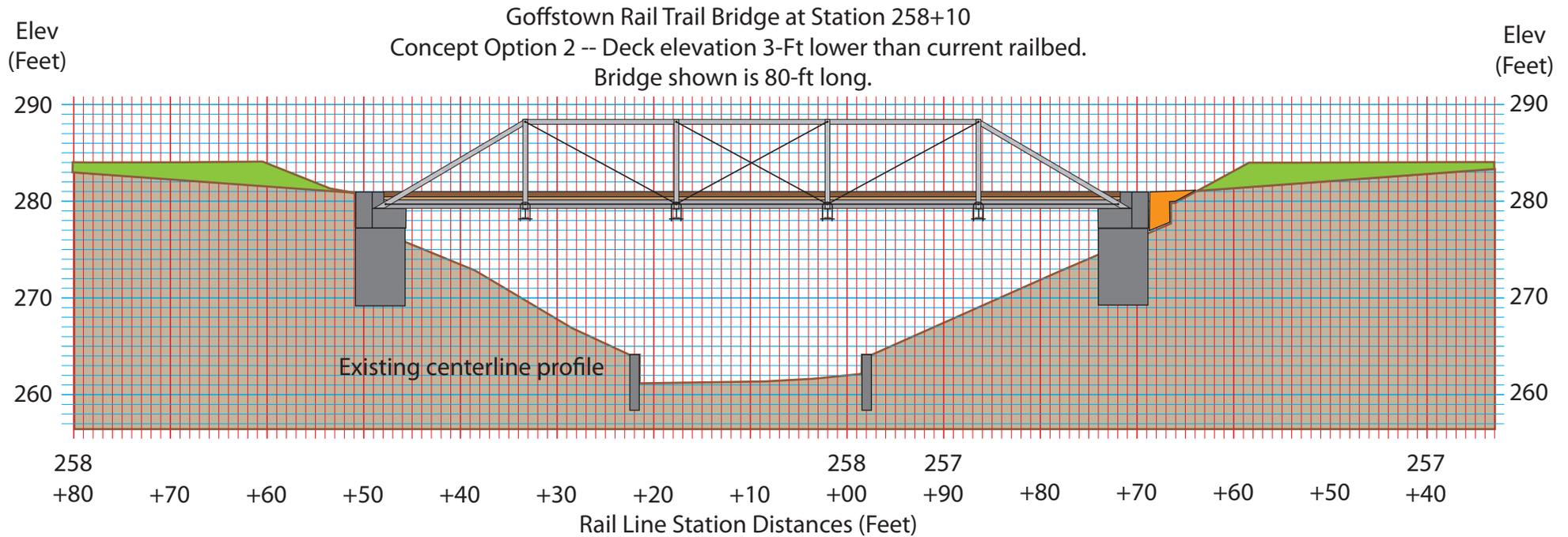
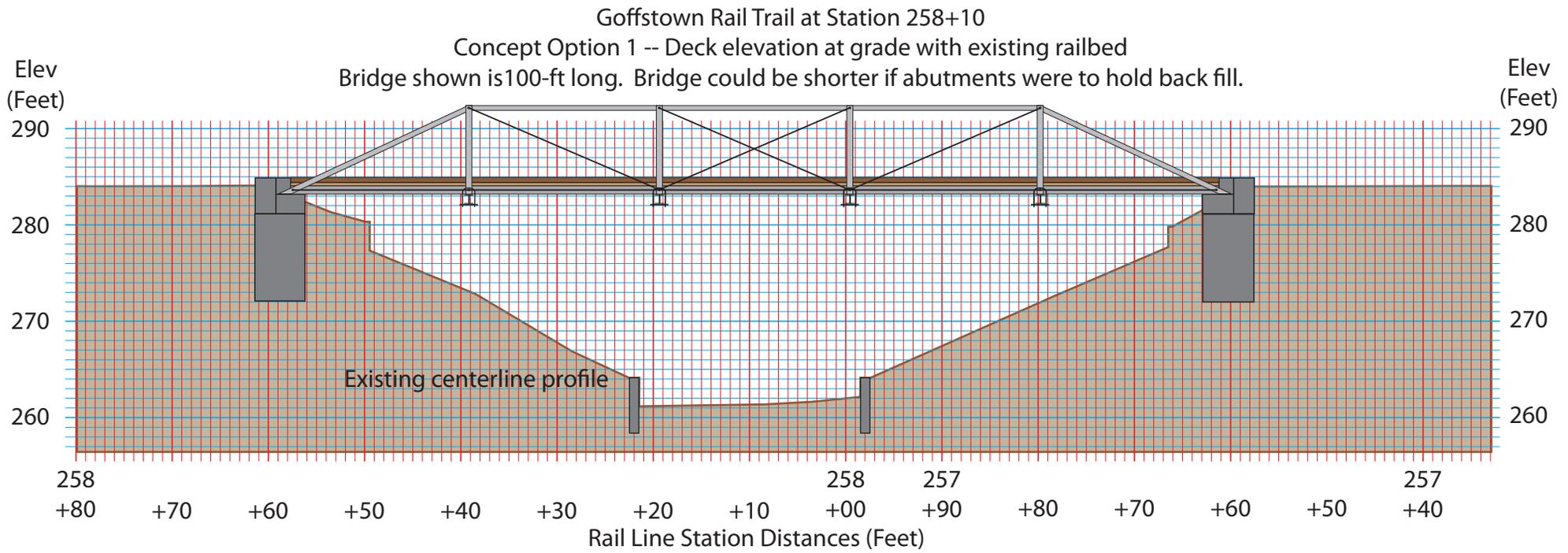
LEGEND	
<b>Existing Detail</b>	
	Centerline of former RR parcel and station distances
	Survey marker; iron bar or granite bound
<b>Construction Features</b>	
	Rail Trail; 10-ft wide path, and 3-ft wide shoulders
	Crosswalk; embedded white stripes
	Rectangular Rapid Flashing Beacon (RRFB) on Pedestrian/Bicycle Crosswalk Sign
	New, 2-rail, wood fence (to channel rail users to the proper crossing area and to prevent unauthorized vehicle access to the trail parcel.
	Shrubs

**Crosswalk location for Henry Bridge Road:** The preferred location is a straight through crossing of Henry Bridge Road; however, there is risk that stopping sight distance is not adequate for traffic approaching from the south (i.e., upgrade on a curve). It may be required to offset the crossing location to achieve proper sight distances; and in turn, this may require easements to displace the trail location.

Possible zone for a crosswalk depending on verification of adequate sight distances.



Parcel boundaries, road detail, abutter information, survey marker information, and location of other existing manmade features were extracted from H.C.R.D. Plan 35888, Pages 5 and 6



**2009 Transportation Enhancement Grant  
Goffstown Rail Trail  
Summary of Options**

<b>Scope</b>	<b>Grant Est.</b>
Mast Road Crosswalk - Villa Augustina	\$ 85,000.00
Mast Road Crosswalk - Pro Landscape	\$ 81,000.00
Henry Bridge Crosswalk/Trail Relocation	\$ 77,000.00
Pedestrian Crossings	\$ 243,000.00
Option 1 - New Pedestrian Prefab Bridge	\$ 110,000.00
Option 2 - 24" Culvert Pipe & Fill	\$ 49,000.00
<b>Grant Request w/Pre-fab Bridge Option</b>	<b>\$ 353,000.00</b>
<b>Grant Request w/Culvert Pipe</b>	<b>\$ 292,000.00</b>

**2009 Transportation Enhancement Grant  
Goffstown Rail Trail  
Old Henry Bridge Road Crossing Alternatives**

Item	Qty	Units	Unit Price	Estimate	Total
<b>Option 1 - New Pedestrian Prefab Bridge</b>					
Mobilization	1	LS	\$ 3,000.00	\$ 3,000.00	
Clearing and Grubbing	1	LS	\$ 1,000.00	\$ 1,000.00	
Erosion Control	1	LS	\$ 2,500.00	\$ 2,500.00	
Rough Grading Trail Surface (Cut/Fill)	196	SY	\$ 2.00	\$ 391.11	
Bollards	4	EA	\$ 500.00	\$ 2,000.00	
Loam and Seed	261	SY	\$ 3.50	\$ 913.89	
Nit Pack	41	CY	\$ 22.00	\$ 896.30	
Reconditioned Rail Car Structure (89' Long x 9' Wide)	1	LS	\$ 75,244.46	\$ 75,244.46	
Precast concrete abutments (approx 9' D x 11'L x 4'W)*	1	LS	\$ 13,200.00	\$ 13,200.00	
<i>Contingencies</i>	<i>10%</i>			\$ 9,914.58	\$ 109,060.33
			Requested Grant Amount		\$ 110,000.00
<b>Option 2 - 24" Culvert Pipe &amp; Fill</b>					
Mobilization	1	LS	\$ 3,000.00	\$ 3,000.00	
Clearing and Grubbing	1	LS	\$ 1,000.00	\$ 1,000.00	
Erosion Control	1	LS	\$ 2,500.00	\$ 2,500.00	
Fill Material	2700	CY	\$ 6.00	\$ 16,200.00	
Bollards	4	EA	\$ 500.00	\$ 2,000.00	
Slope Work	1	LS	\$ 1,000.00	\$ 1,000.00	
Mortared Headwalls (24")	2	EA	\$ 1,000.00	\$ 2,000.00	
Nit Pack	78	CY	\$ 22.00	\$ 1,711.11	
Rough Grading Trail Surface (Cut/Fill)	373	SY	\$ 2.00	\$ 746.67	
Class C Rip Rap (12" minus)	15	CY	\$ 32.00	\$ 474.07	
Loam and Seed	1567	SY	\$ 5.00	\$ 7,833.33	
24" SOLID HDPE pipe	105	LF	\$ 52.00	\$ 5,460.00	
<i>Contingencies</i>	<i>10%</i>			\$ 4,392.52	\$ 48,317.70
			Requested Grant Amount		\$ 49,000.00

**2009 Transportation Enhancement Grant  
Goffstown Rail Trail  
Pedestrian Crossings**

Item	Qty	Units	Unit Price	Estimate	Total
<b><i>Mast Road Crosswalk - Villa Augustina</i></b>					
Easement Survey & Purchase	1	LS	\$ 12,000.00	\$ 12,000.00	
Mobilization	1	LS	\$ 1,800.00	\$ 1,800.00	
Clearing/Grubbing/Excavation	1	LS	\$ 1,800.00	\$ 1,800.00	
Erosion Control	1	LS	\$ 1,800.00	\$ 1,800.00	
Gravel (1' x 16')	237	CY	\$ 15.00	\$ 3,555.56	
Nitpack (4" x 10')	37	CY	\$ 25.00	\$ 925.93	
Rough Grading Trail Surface	711	SY	\$ 2.00	\$ 1,422.22	
Loam & Seed	444	SY	\$ 3.00	\$ 1,333.33	
Bollards	8	EA	\$ 500.00	\$ 4,000.00	
Pavement (3" thick)	10	TONS	\$ 120.00	\$ 1,200.00	
Earthen Berm	660	LF	\$ 15.00	\$ 9,900.00	
Landscaping	1	LS	\$ 500.00	\$ 500.00	
Signalized Crosswalk	1	LS	\$ 35,000.00	\$ 35,000.00	
Signage	1	LS	\$ 500.00	\$ 500.00	
Striping	1	LS	\$ 1,000.00	\$ 1,000.00	
Contingencies	10%			\$ 7,673.70	\$ 84,410.74
				Requested Grant Amount	\$ 85,000.00
<b><i>Mast Road Crosswalk - Pro Landscape</i></b>					
Easement Survey & Purchase	1	LS	\$ 12,000.00	\$ 12,000.00	
Mobilization	1	LS	\$ 1,700.00	\$ 1,700.00	
Clearing/Grubbing/Excavation	1	LS	\$ 1,700.00	\$ 1,700.00	
Erosion Control	1	LS	\$ 1,700.00	\$ 1,700.00	
Gravel (1' x 16')	320	CY	\$ 15.00	\$ 4,800.00	
Nitpack (4" x 10')	50	CY	\$ 25.00	\$ 1,250.00	
Rough Grading Trail Surface	960	SY	\$ 2.00	\$ 1,920.00	
Loam & Seed	600	SY	\$ 3.00	\$ 1,800.00	
Bollards	8	EA	\$ 500.00	\$ 4,000.00	
Pavement (3" thick)	10	TONS	\$ 120.00	\$ 1,200.00	
Earthen Berm	300	LF	\$ 15.00	\$ 4,500.00	
Landscaping	1	LS	\$ 500.00	\$ 500.00	
Signalized Crosswalk	1	LS	\$ 35,000.00	\$ 35,000.00	
Signage	1	LS	\$ 500.00	\$ 500.00	
Striping	1	LS	\$ 1,000.00	\$ 1,000.00	
Contingencies	10%			\$ 7,357.00	\$ 80,927.00
				Requested Grant Amount	\$ 81,000.00
<b><i>Henry Bridge Crosswalk/Trail Relocation</i></b>					
Easement Survey & Purchase	1	LS	\$ 12,000.00	\$ 12,000.00	
Mobilization	1	LS	\$ 1,600.00	\$ 1,600.00	
Clearing/Grubbing/Excavation	1	LS	\$ 1,600.00	\$ 1,600.00	
Erosion Control	1	LS	\$ 1,600.00	\$ 1,600.00	
Gravel (1' x 16')	296	CY	\$ 15.00	\$ 4,444.44	
Nitpack (4" x 10')	46	CY	\$ 25.00	\$ 1,157.41	
Rough Grading Trail Surface	889	SY	\$ 2.00	\$ 1,777.78	
Loam & Seed	556	SY	\$ 3.00	\$ 1,666.67	
Bollards	8	EA	\$ 500.00	\$ 4,000.00	
Pavement (3" thick)	10	TONS	\$ 120.00	\$ 1,200.00	
Earthen Berm	80	LF	\$ 15.00	\$ 1,200.00	
Landscaping	1	LS	\$ 500.00	\$ 500.00	
Signalized Crosswalk	1	LS	\$ 35,000.00	\$ 35,000.00	
Signage	1	LS	\$ 500.00	\$ 500.00	
Striping	1	LS	\$ 1,000.00	\$ 1,000.00	
Contingencies	10%			\$ 6,924.63	\$ 76,170.93
				Requested Grant Amount	\$ 77,000.00