

PROPOSAL FOR REHABILITATION OF BRIDGE #877
WINSOR ROAD

To Foster Town Council Members:

The following is a proposal to rehabilitate the Winsor Road Bridge utilizing employees of the Foster D.P.W. During May 2014 an inventory was made of materials, tools and equipment currently in the Public Works Department. It was determined that most of the tools and equipment necessary for the demolition and Rehabilitation of the existing structure is in the existing inventory.

Furthermore, an existing stock of treated lumber will serve to provide a new guardrail system as designed and approved by R.I. D.O.T.

The necessary talent and craftsmanship for the project is present among the existing employees.

Concrete work and steel fabrication will be done by vendors.

Sequence of events:

Road closure and barricades in place: D.P.W. employees

Removal of existing guard rail system & deck: D.P.W. employees

Removal of existing 10" I Beams: D.P.W. employees

Saw cutting concrete head wall: Vendor

Removal of existing 16" I Beams: D.P.W. employees

Design new frame and submit to D.O.T. for rating:

Order new 16" I Beams, Diaphragms, Bearing plates and Guard Rail Posts (ASTM A 588): Vendor

Order new deck wood and hardware - this May not be necessary as the condition of the existing deck may allow it to be reused - D.P.W.

Rehabilitation of existing concrete headwalls: Vendor

Order new hardware for rail systems: D.P.W.

Assemble new deck units (if necessary): D.P.W.

Fabricate and provide visual markings of new steel: Vendor

Place Rip Rap protection of headwalls: D.P.W.

Assemble and anchor new frame: D.P.W.

Place and secure Deck units: D.P.W.

Place and secure Guard Rail Posts: D.P.W.

Saw cut and prepare road bed: D.P.W.

Place and secure Guard Rail: D.P.W.

Provide 2' Bituminous Wearing Surface: Vendor

Removal of Barricades and Warning Signs: D.P.W.

COST ESTIMATES:

Saw cut headwalls	\$5,000.00
Concrete Rehabilitation	13,000.00
Steel (A588)	13,890.00
Fabrication and Marking	4,200.00
Tool Rental and Purchase	2,500.00
Miscellaneous Labor (Part Time)	4,000.00
Timber (if required)	3,790.00
Hardware	3,910.00
Repaving (approx. 135 sq. yds.)	5,400.00
Rip Rap (16.5 tons)	360.00
ESTIMATED TOTAL	\$56,050.00

In summary this proposal provides a new relatively low maintenance structure that will provide long life at a cost substantially below the projections forecast by Resource Control Associates.

Council Members are reminded that our construction season is shortened each day a decision is deferred and that most vendors provide quotes only for 30 days. Additionally, there is a period of 2 - 4 weeks ordering to delivery of special steel, hardware and timber. This project is estimated to require 5 months to completion.

Sincerely,

Walter May