



Vermont Better Roads Grant Program Application

Please complete one application per category and/or project you are applying for. You may make copies of the application for multiple applications per category and/or multiple categories.

Please check the Category you are applying for:

- B. Correction of a Road Related Erosion Problem and/or Stormwater Mitigation Retrofit for both gravel and paved roads
- C. Correction of a Stream Bank or Slope Related Problem
- D. Structure/culvert upgrades

Town/Organization: Town of Richmond

Project Name: Bridge Street storm drain system repair

Road Name: Bridge Street TH #: 1 Structure # (if applicable): _____

Road Type: Paved Curbed

Class 2

Watershed: Winooski river

Please provide a thorough description of the problem (ex. Roadway has steep slope with no ditch which is causing roadway erosion):

Section of underground storm drain (520') is in poor condition and has started to collapse. This section of drain is located in the travel portion of Bridge Street and is the center of the business district. To open excavate and replace will be more costly than pipe lining in place.

Description of Project and how you plan to complete the work (ex. Stone line 500' of ditch by reshaping ditch and stone lining, working from the top of the project down to the bottom):

Clean and vacuum existing pipeline. TV inspection of pipeline. Installation of CIPP spot repair. Installation of CIPP to man holes. Bypass pumping of storm water during lining. Traffic control.

Expected Effects (+ & -) on water quality (ex. Erosion will be eliminated by placing the stone ditch):

After repair is complete we can expect storm water to be free of silts that have been discharged from holes in pipe line.

Received

APR 07 2016

VTtrans
PDD-LTF



Distance from end of project to nearest water (stream, lake, or stormwater system that outlets directly to water). 250'+

Progress to Date:

Test pit sections of storm drain. Estimates to open dig and pipe line repair.

Is there an emergency reason this project must be completed quickly? If yes, please explain:

We stand the chance for system collapse. Sections of this system have already produced sink holes.

Has this project been identified through a municipal road inventory, capital budget plan, tactical basin plan, culvert inventory, or other management plan? If yes, please list which.

Yes: Richmond infrastructure rehabilitation report. No

Please list any professionals you may have contacted for assistance with this project (ANR River Management Engineer, Army Corps of Engineers, VTrans District Technical staff, Basin Planner etc.):

Is the project located in the town "Right of Way?" Yes, No, Both (if "Both" please explain further).

Yes

Will the town road crew complete this work? Yes, No, Some (if "some" please explain further).

Some. We will assist the contractor with any materials needed for the project as well as trucking and excavation of silts. New England Central Railway will need to control the RR crossing while the contractor is in the railroad ROW.



Describe how the grant funds will be spent and/or attach a project budget:

See cost estimate worksheet.

How do you plan to meet the required 20% match on this grant?:

From our Bridge and Culvert reserve account.

Requested Grant Amount (\$20,000 max Category B, \$40,000 max Categories C & D): \$ 37,631.40

Estimated Total Project Cost (including 20% local match): \$ 47,039.25

Estimated Completion Date: 11/04/2016

REQUIRED ATTACHMENTS:

- Itemized Cost Estimate (labor, equipment, materials)
(For assistance, call Better Backroads at 802-828-4585)
- Project Location Map
(Please show location of affected water; 1:12,000 USGS map, if possible)
- Sketch of proposed erosion control measures, including:
 - Distances (ft.)
 - Estimate of waste & borrow quantities
 - Approx. location of town/other right-of-way and/or property lines
- Photo(s) of the project area.
- Agreement for Entry and/or Deed of Easement (if project is outside Town ROW).
- If project involves stream or river/road conflict, include documentation of consultation with a River Management Engineer.
- Other appropriate supporting documents.

By signing this application I certify that all the information provided is accurate to the best of my knowledge. We will comply with all the requirements of the grant including making our books available for audit if required.

SIGNATURE OF APPLICANT: (Must be Town Administrator/Manager or Select Board Chair)

Name: Paul W. Colburn III

Title: Interim Town Manager



Proposal

18" Storm Drain Repairs

Richmond, VT

Date: 11-19-15

PRICING:

<i>Description & Quantity</i>	<i>Unit Price</i>	<i>Total Price</i>
Pre-Lining Clean & TV Inspect Storm Drain – 1 LS	\$2,800.00	\$ 2,800.00
18" x 6 LF CIPP Spot Repair from CB to MH – 1 LS	\$4,450.00	\$ 4,450.00
18" CIPP MH to MH Relining – 520 LF	\$ 66.00	\$34,200.00

Proposal Inclusions

- Certificate of insurance with standard coverage
- Pre-Rehab Cleaning and TV Inspection of Sewer to be Relined
- Installation of CIPP Spot Repair
- Installation of CIPP MH to MH Liners
- Post-Lining TV Inspection of Sewer
- By-Pass Pumping up to a 4" Pump and Soft-Discharge Hose
- Traffic Control Consisting of a Simple Sign Package, Traffic Cones & 2 Flaggers
- All safety equipment for confined space entry, including gas meter, tripod, blower

Proposal Exclusions

- Permits
- Water for Cleaning & Liners Installation
- Disposal of Debris Removed from the Storm Sewers during the Cleaning Operation
- Traffic Control Requiring More Than Outlined Above
- By-Pass Pumping Requiring More Than Outlined Above
- Excavation of Any Kind

Thank you in advance for the opportunity to serve you. Please feel free to call with any questions or if I can be of further assistance.

Tim Vivian
President
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tim@greenmountainpipe.com

Green Mountain Pipeline Services
244 Waterman Road
Royalton, VT 05068
802-763-7022/802-763-7048 (Fax)

John Scott Excavating Inc.
1486 Main Rd. Huntington, VT 05462
802-434-4480

Town of Richmond
P.O.Box 285
Richmond, VT
Attn: Peter Gosselin

03/28/16

Bid Proposal
New Drainage system
Bridge Street
from railroad tracks at Richmond corner market to
intersection at Cumberland farms light

Mobilization and Demobilization	\$ 5,000
Traffic control	
2 registered flaggers \$1200/day for 10 days	\$ 12,000
Signs and barricades to facilitate 1 lane traffic through village	\$ 15,000

Excavate existing drainage pipe and replace with 520' of new 18" plastic SDR-35 pipe.
Backfill pipe with 1" crushed stone up to top of pipe and plant mix gravel up to within 2 1/2" of
top of trench and compact in 1' lifts. Fine grade and shape all disturbed areas.

\$ 106,000

Trench paving
Cut broken edges and clean existing pavement. Install 1 1/2" base patch 520' long by 4' wide and
install 1" top patch to match existing pavement 520' long by 4' wide.

\$ 10,000

Total Job Cost	\$ 135,500
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