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# FY17 Vermont Better Roads Grant Application

Please complete this page ONCE and return with your Grant Category Application(s)

Town/Organization: Town of Bridgewater Contact Person(s): Randy Kennedy, Road Foreman

Address: 7335 US Route 4, Bridgewater, VT 05039

*Street Address*

*Town*

*Zip*

Email: rkennedy100@icloud.com Phone: ( 802 ) 672 - 3334

DUNS #: 949682413 Fiscal Year End Month (MM): 06

Accounting System:  Automated  Manual  Combination

Please use the suggested documentation checklist below to ensure that all of the relevant items regarding your application have been included.

- Grant application cover sheet (Only submit one)
- Grant application form (One per category/project)
- Itemized Cost estimate for labor, equipment, and materials (see enclosed Cost Estimate Worksheet). If applicable, please break down funding by source (i.e. different grant sources)
- Project Location Map (please show location of affected water)
- Sketch of proposed erosion control measures or other management practices, including distances in feet  
Also show approximate location of town/other right-of-way and/or property lines
- Photo(s) of the project area
- Letters of Support (RPC, VTrans District Technical Staff, ANR Rivers and Streams Engineers, etc.)
- If Category C River/Road Conflict or Category D River/Stream Structure or Culvert, you must attach ANR/ACOE consultation



# 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 Bridgewater

Project Name: Little Sherburne Road Bank Stabilization

Road Name: Little Sherburne Road TH #: 30 Structure # (if applicable): \_\_\_\_\_

Road Type: Unpaved Uncurbed

Class 3

Watershed: Ottauquechee Basin 10

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

The bank of Little Sherburne Road that is next to a stream is getting eroded each year as the stream moves. The stream runs down from a culvert off of Bridgewater Hill Road. The road is being threatened as the stream eats into the roadway.

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):

Install a 3'-4' rip rap wall, to be keyed in at bottom of stream bed, rising up 4'-6' with flat faced stones. Then rip rap the remaining slope with 2'-3' material up to road shoulder. Fix the road with gravel. Replace the culvert on Bridgewater Hill Road with an 18" x 20ft steel culvert. Seed and mulch all work areas. project area is approximately 120' in length. Please see sketch sheet.

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

Erosion of the bank and roadway will be minimized due to the rip rap wall protecting the roadway.



Distance from end of project to nearest water (stream, lake, or stormwater system that outlets directly to water). 0-50'

Progress to Date:

The road crew continues to repair road wash outs as they occur.

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

No

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: \_\_\_\_\_

No

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

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).

No, a contractor will complete this work



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

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

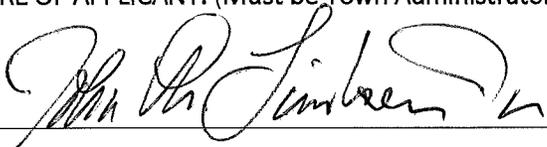
Requested Grant Amount (\$20,000 max Category B, \$40,000 max Categories C & D): \$ 30,064.00  
Estimated Total Project Cost (including 20% local match): \$ 37,580.00  
Estimated Completion Date: 12/31/2016

**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: 

Title: Selectman



## Nancy Robinson

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**From:** Menees, Todd <Todd.Menees@vermont.gov>  
**Sent:** Tuesday, April 12, 2016 9:54 AM  
**To:** Nancy Robinson  
**Cc:** rkklum@yahoo.com  
**Subject:** YES: VTrans grant application  
**Attachments:** Placed Rip-Rap Wall Typ Detail.pdf

Nancy –

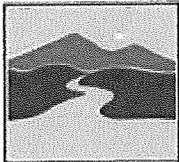
Randy and I have reviewed the Little Sherburne Road embankment stabilization project and I am replying for your grant application that we discussed on site using the attached rock wall to a height of 4' to 6' and grading the top slope back for a 120' length along the roadway. I have attached the placed rock wall detail that Randy will use for a permit submittal if your grant application is approved for funding.

Thanks for your patience with my work load -

Please note that my e:mail address has changed below:

**Todd Menees, P.E., P.H., River Management Engineer**  
**Watershed Management Division, Rivers Program**  
**Vermont Department of Environmental Conservation**  
**100 Mineral Street, State Office Suite 303**  
**Springfield, VT 05156**  
**802-345-3510 / [todd.menees@vermont.gov](mailto:todd.menees@vermont.gov)**

**On the Web @** [www.watershedmanagement.vermont.gov/rivers.htm](http://www.watershedmanagement.vermont.gov/rivers.htm)



**VERMONT DEPARTMENT OF  
ENVIRONMENTAL CONSERVATION**  
**WATERSHED  
MANAGEMENT DIVISION**

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**From:** Nancy Robinson [<mailto:twbnbridg@comcast.net>]  
**Sent:** Tuesday, April 12, 2016 9:11 AM  
**To:** Menees, Todd <Todd.Menees@vermont.gov>  
**Subject:** grants

Good morning Todd,

Randy has given me paperwork to be submitted for a Better Back Road grant for work on Little Sherburne Road that requires a confirmation from you that you have looked at the job which will be permitted if grant is awarded. I am trying to get this paperwork out in the mail by tomorrow am. Can you send your confirmation to the town office so that I can get it included in the packet, please.

Thanks,  
Nancy Robinson  
Bridgewater Town Clerk

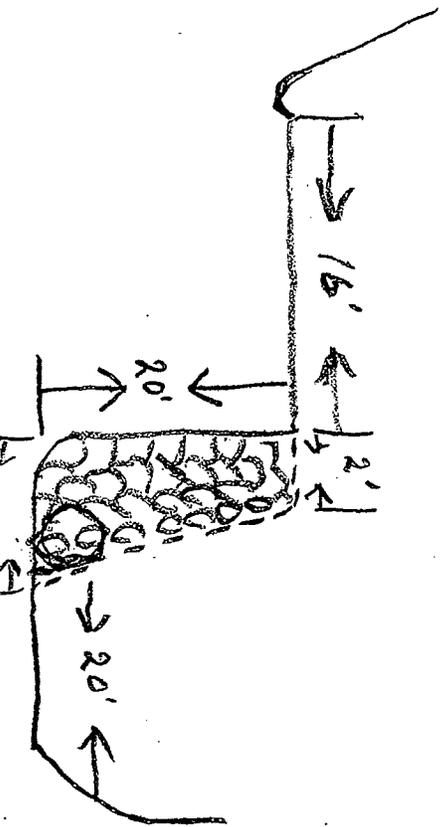
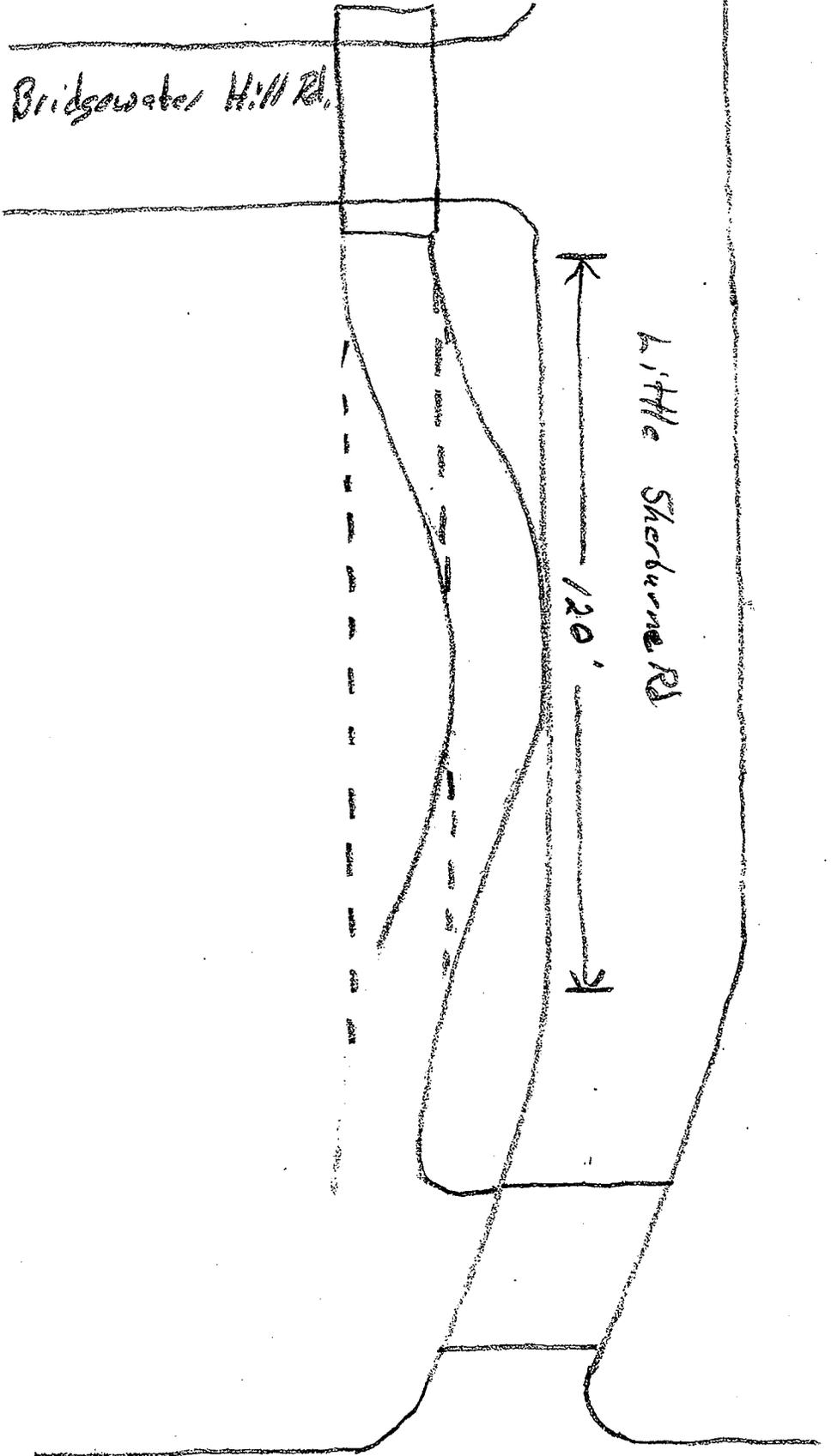
Bridgewater Hill Rd.

Little Sherburne Rd

120'

Not to Scale

Yours at Bridgewater  
Drawn by Randy Kennedy





Photos above show Little Sherburne Road and the vicinity to the stream. The roadway being on a curve is receiving erosion impacts.

## Site Description

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Little Sherburne Road is a class 3 gravel road that runs parallel with a stream downhill towards Dailey Hollow Road. The stream runs down from a culvert off of Bridgewater Hill Road. The streambank on a curve continues to get eroded threatening the road.

## Recommended Treatment

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Install a 3'-4' rip rap wall, to be keyed in at bottom of stream bed, rising up 4'-6' with flat faced stones. Then rip rap the remaining slope with 2'-3' material up to road shoulder. Fix the road with gravel. Replace the culvert on Bridgewater Hill Road with an 18" x 20ft steel culvert. Seed and mulch all work areas. The project area is approximately 120' in length. Please see sketch sheet.

**Permit Requirements** - A VT DEC Stream Alteration Permit will not be required for this project. Todd Menees visited the site and concurred with the recommended treatment.

## Construction Notes:

- Construction Specifications - See specifications in Vermont Better Backroads Manual, 2009
- Buried Cable/Utilities - Buried cable/utilities may be on site. Call Dig Safe 1-888-DIG-SAFE to locate buried utilities prior to construction
- Crown roads  $\frac{1}{2}$  to  $\frac{3}{4}$  inch per linear foot after project installation and maintain there after (p. 5)
- Stabilize all disturbed soils with seed and mulch (p.33)

April 6, 2016

Mr. Randy Kennedy  
Town of Bridgewater  
7335 US Route 4  
Bridgewater, VT 05039

Dear Randy:

I am pleased to provide a letter of support for the Town of Bridgewater's application submission for a Category C Better Back Roads grant for Little Sherburne Road bank stabilization. I understand this proposed construction will reduce continued erosion of the roadway into the parallel stream and ultimately protect the road.

Please contact me if you have any questions.

Sincerely,



Rita Seto, AICP  
Senior Planner

128 King Farm Rd.  
Woodstock, VT 05091  
**802-457-3188**  
**trorc.org**

William B. Emmons, III, Chair  
Peter G. Gregory, AICP, Executive Director