



# FY17 Vermont Better Roads Grant Application

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

Town/Organization: \_\_\_\_\_ Contact Person(s): \_\_\_\_\_

Address: \_\_\_\_\_

*Street Address*

*Town*

*Zip*

Email: \_\_\_\_\_ Phone: ( ) \_\_\_\_\_ - \_\_\_\_\_

DUNS #: \_\_\_\_\_ Fiscal Year End Month (MM): \_\_\_\_\_

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: \_\_\_\_\_

Project Name: \_\_\_\_\_

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

Road Type:    Paved or Unpaved (circle one)                      Curbed or Uncurbed (circle one)

Class 1    Class 2    Class 3    Class 4 (circle one)

Watershed: \_\_\_\_\_

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

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):

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



Distance from end of project to nearest water (stream, lake, or stormwater system that outlets directly to water). Please circle one:      0-50'                      50-250'                      250'+

Progress to Date:

---

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

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, 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).

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



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

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

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

Estimated Total Project Cost (including 20% local match): \_\_\_\_\_

Estimated Completion Date: \_\_\_\_\_

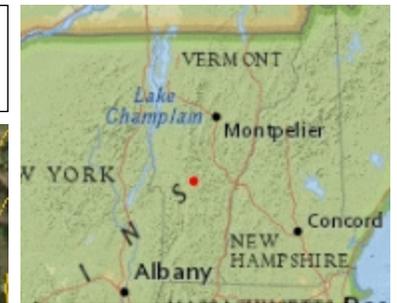
**REQUIRED ATTACHMENTS:**

- 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: \_\_\_\_\_



## LEGEND

- Hazard Class**
- ◆ High Hazard Potential
  - ◆ Significant Hazard Potential
  - ◆ Low Hazard Potential
  - ◆ Undetermined Hazard Potential
- ◆ Historical Dam Location
- Wetlands - VSWI**
- Class 1 Wetland
  - Class 2 Wetland
- Wetlands Advisory Layer
- DFIRM Floodways
- DFIRM Preliminary Floodways
- Special Flood Hazard Areas (A Counties)**
- AE (1-percent annual chance flood)
  - A (1-percent annual chance floodpl.)
  - AO (1-percent annual chance zone feet)
  - 0.2-percent annual chance flood ha
- Special Flood Hazard Areas (F DFIRM)**
- AE (1-percent annual chance flood)
  - A (1-percent annual chance floodpl.)
  - AO (1-percent annual chance zone feet)
  - 0.2-percent annual chance flood ha
- Buildings (E911)
  - VTRANS State and Town Long
  - VTRANS State Short Structure

1: 3,435  
April 14, 2016

## NOTES

Map created using ANR's Natural Resources Atlas

174.0 0 87.00 174.0 Meters

WGS\_1984\_Web\_Mercator\_Auxiliary\_Sphere 1" = 286 Ft. 1cm = 34 Meters

© Vermont Agency of Natural Resources THIS MAP IS NOT TO BE USED FOR NAVIGATION

**DISCLAIMER:** This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. ANR and the State of Vermont make no representations of any kind, including but not limited to, the warranties of merchantability, or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.

# Cost Estimate Worksheet

Town and road name-# Mendon/Old Turnpike Road/TH #14

Project Name: Old Turnpike Road Erosion Control Project

and Ridge Road/TH #23

<b>Labor</b>	<b>Rate</b>	<b># Hours</b>	<b>Total</b>
Bill Ellis	\$23.00	24	\$552
Mendon Road Crew	\$18.00	24	\$432
Mendon Road Crew	\$18.00	24	\$432
<b>Labor total</b>			<b>\$1,416</b>
<b>Equipment</b>	<b>Rate</b>	<b># Hours</b>	<b>Total</b>
Truck 3 w/o operator	\$48.45	24	\$1,163
<b>Equipment total</b>			<b>\$1,163</b>
<b>Materials</b>	<b>Rate</b>	<b>Amount</b>	<b>Total</b>
18" culverts (2)	\$13.04	100	\$1,304
Seed and Mulch			\$600
<b>Materials total</b>			<b>\$1,904</b>
<b>Miscellaneous</b>	<b>Rate</b>	<b>Amount</b>	<b>Total</b>
Contracted Labor & Equipment			\$9,030
<b>Miscellaneous total</b>			<b>\$9,030</b>
<b>PROJECT GRAND TOTAL</b>			<b>\$13,513</b>

# Old Turnpike Road, Mendon, VT

Date: Fri, 15 Apr 2016 02:19:42 +0000  
From: "Carvajal, Joshua" <[Joshua.Carvajal@vermont.gov](mailto:Joshua.Carvajal@vermont.gov)>  
Reply-To: "Carvajal, Joshua" <[Joshua.Carvajal@vermont.gov](mailto:Joshua.Carvajal@vermont.gov)>  
Subject: Mendon\_Old Turnpike Road  
To: "[mendon.rds@myfairpoint.net](mailto:mendon.rds@myfairpoint.net)" <[mendon.rds@myfairpoint.net](mailto:mendon.rds@myfairpoint.net)>

Hi Bill,

Thanks for meeting with me to discuss this project on Old Turnpike Road that the Town plans to apply for funding under the Better Roads grant program.

Based on my field observations and the USGS Streamstats website, the round culverts that cross the road are non-jurisdictional under the Stream Alteration General Permit (SAGP) because they are not perennial streams.

If you decide to replace these culverts, I would suggest upsizing them to convey additional flows during larger storm events. Any road grading or ditch stabilization portions of this project do not need to obtain coverage under the SAGP either since they are drainage related improvements.

Thanks and let me know if you have any questions.

\*\*\*\*\*

**Josh Carvajal, P.E. CFM**  
Rivers Program  
**Agency of Natural Resources**  
**Department of Environmental Conservation**

cell: (802) 490-6163

[www.watershedmanagement.vt.gov/rivers.htm](http://www.watershedmanagement.vt.gov/rivers.htm)  
[floodready.vermont.gov](http://floodready.vermont.gov)

**Our email addresses have changed** ([@vermont.gov](mailto:@vermont.gov))  
**NEW:** [joshua.carvajal@vermont.gov](mailto:joshua.carvajal@vermont.gov)  
**Please update your address book!**



April 14, 2016

Mr. Alan May  
Better Backroads Coordinator  
VTTrans  
1 National Life Drive  
Montpelier, VT 05633

Dear Alan:

This letter supports the application from the Town of Mendon's Better Roads Grant application for a Category B for ditching along Old Turnpike Road. The drainage is inadequate and ditching will address this, so road erosion is abated.

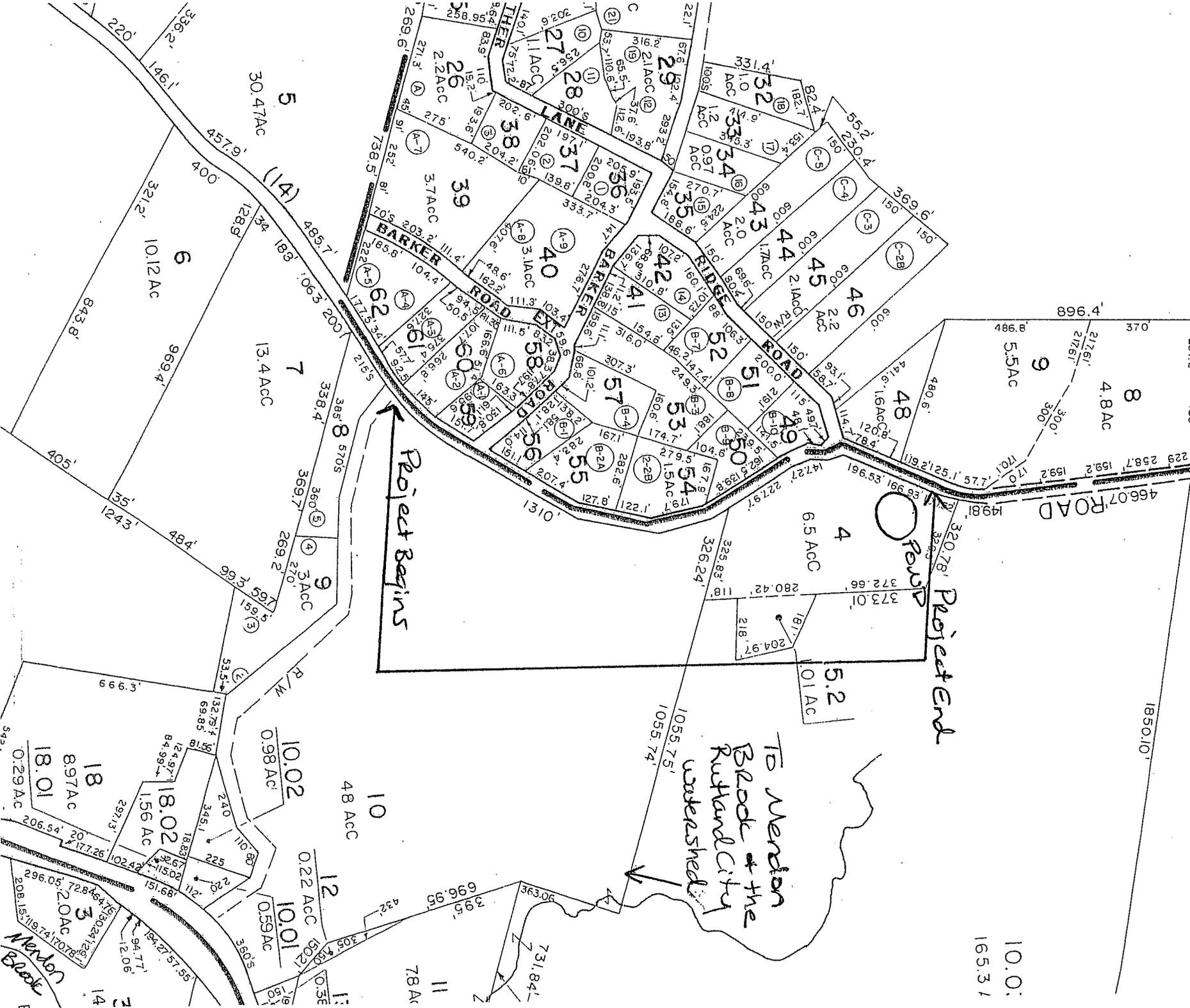
This work is necessary and vital for the Town's infrastructure and we strongly support this application.

Sincerely,

Susan Schreibman  
Assistant Director

RUTLAND REGIONAL PLANNING COMMISSION  
The Opera House, P.O. Box 965, Rutland, VT 05702  
802-775-0871; FAX 802-775-1766  
[www.rutlandrpc.org](http://www.rutlandrpc.org)

TOWN OF MENDON  
OLD TURNPIKE ROAD  
EROSION CONTROL PROJECT



10.0:  
165.3 /

To Mendon  
Brook at the  
Rutland City  
watershed

Project Begins

Project End

Pond

Mendon  
Brook

# Old Turnpike Road Erosion Control Project

Mendon, Vermont





04.27.2015 06:48



04.27.2015 06:49



04.27.2015 07:17