



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: _____



Wells Brook / McCoy Rd



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

TBD

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

Highway funds and some local in-kind match.

Requested Grant Amount (\$20,000 max Category B, \$40,000 max Categories C & D): \$ 24,000

Estimated Total Project Cost (including 20% local match): \$ 30,000

Estimated Completion Date: 10/31/16

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

Name: *[Handwritten Signature]*

Title: Select Board Chair
4/13/16

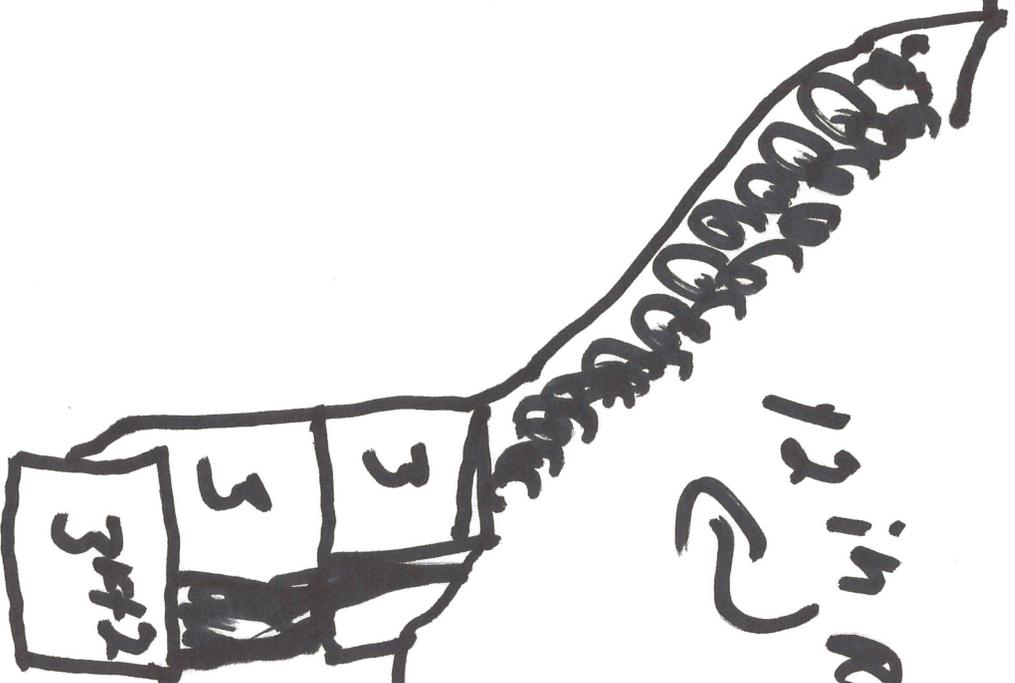
McCoy RD.

Shoulder



3 Feet
RPP

McCoy
RD.



12 in Rip Rap

Ledge Beyond

Water Line

McCoy Rd
Town of Timmuth
Not to Scale

Allard Excavating

545 Mountain View Road

Tinmouth, VT 05773

Phone: 802-446-3398

Cell:802-236-8317 Email:danielallardjr@rocketmail.com

To: Town of Tinmouth Highway Dept.
Care of Eric Buffum
Tinmouh Vt 05773

April 11, 2016

McCoy Road

Provide equipment, materials, transportation and labor to place rip-rap and
Repair and armor approximately 100 Lf of embankment as marked on McCoy road.
Provide and install one 15" X 30 Ft. culvert and refurbish road @ work area.

TOTAL \$ 24,000.00

Tinmouth Town Office

From: Carvajal, Joshua <Joshua.Carvajal@vermont.gov>
Sent: Monday, April 11, 2016 1:59 PM
To: Tinmouth Town Office
Subject: Tinmouth_McCoy Road Embankment
Attachments: rv_riversroads_fieldguide_SRW_image¬es.pdf; rv_riversroads_fieldguide_SRW_detail.pdf; Tinmouth_McCoy Road Atlas Map.pdf

Hi Gail,

Erik and I discussed this project on McCoy Road which the Town plans to apply for funding under the Better Roads grant program.

The roadside is sliding into the stream due to erosion at the toe of the slope and though riprap armoring has been placed to protect the road, additional erosion is occurring. I recommend a Stacked Rock Wall be constructed adjacent to the stream then stone fill be placed on the slope above up to the road edge. Please see attached detail sheets for this practice.

This project will be required to obtain coverage under the Stream Alteration General Permit (SAGP). There will be a \$200 fee for permit coverage and the fee form will need to be completed prior to commencing construction -

http://www.anr.state.vt.us/dec/waterq/rivers/docs/SA/Stream%20Alt%20Application_11052015.pdf

Grading the road surface so it drains away from the stream and into the roadside ditch will also prevent washouts along the edge of the road. This portion of the project and any roadside ditch armoring or drainage culvert replacement will not require permit coverage.

Please let me know if you have any questions

Josh Carvajal, P.E. CFM

Rivers Program

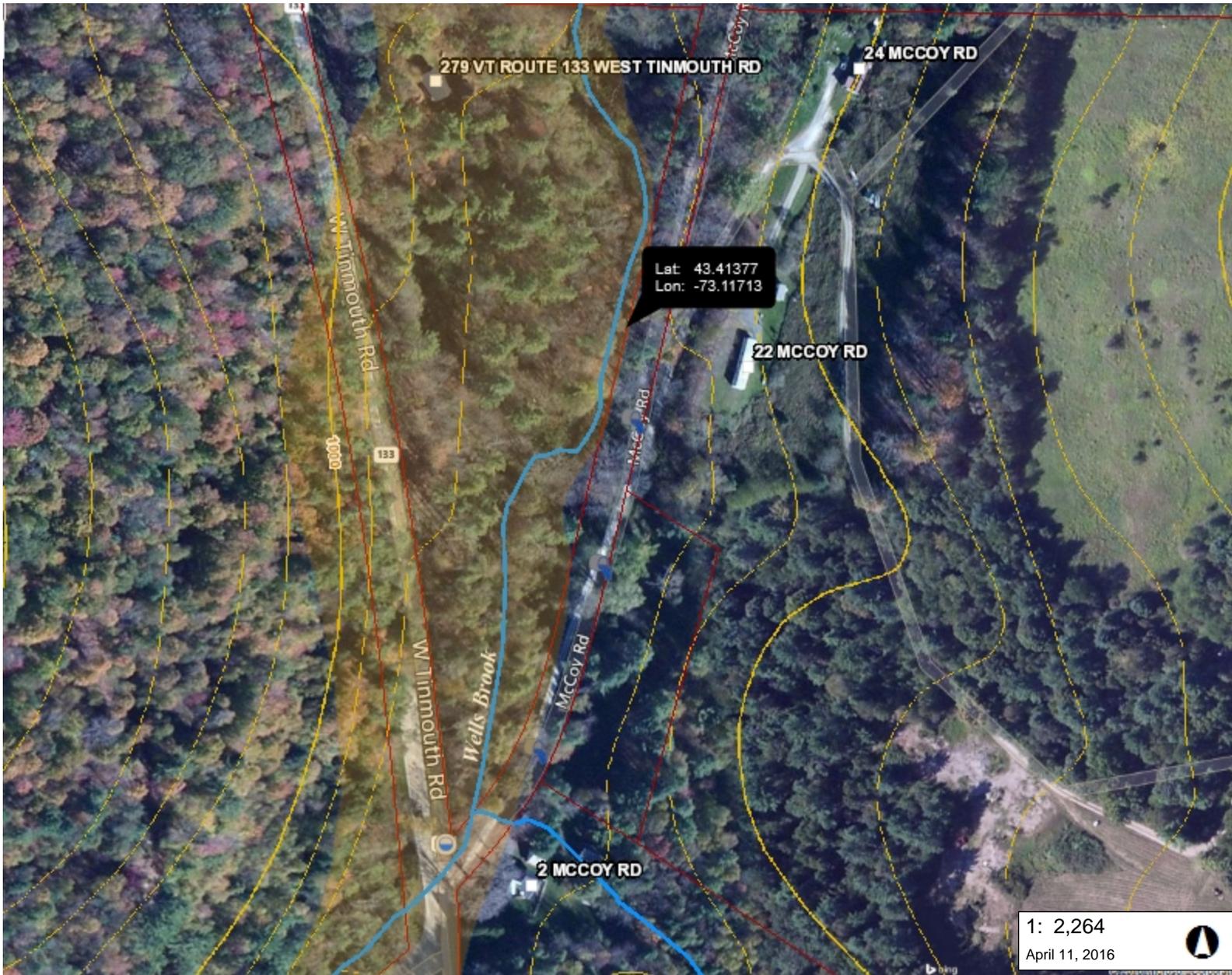
Agency of Natural Resources

Department of Environmental Conservation

cell: (802) 490-6163

www.watershedmanagement.vt.gov/rivers.htm

floodready.vermont.gov



LEGEND

- Wetlands - VSWI**
 - Class 1 Wetland
 - Class 2 Wetland
- Wetlands Advisory Layer
- River Corridor Easement
- 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
- Town Bridge
- Town Culvert
- Waterbody
- Stream
- Parcels (where available)

NOTES

Map created using ANR's Natural Resources Atlas

115.0 0 58.00 115.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere 1" = 189 Ft. 1cm = 23 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.

1: 2,264

April 11, 2016





RUTLAND REGIONAL PLANNING COMMISSION

April 14, 2016

Mr. Alan May
Better Backroads Coordinator
VTrans
I National Life Drive
Montpelier, VT 05633

Dear Alan:

This letter supports the application from the Town of Tinmouth's Better Roads Grant application for a Category C for slope remediation along McCoy Road. The project will address the eroding slope and therefore preserve the road.

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

Sincerely,

Susan Schreibman

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

Standard Practices

Placed Rip Rap Wall



Figure 2. A placed Rip Rap Wall creates lateral channel stability. The steep slope at toe results in less horizontal fill which allows for attainment of full bankfull channel width in confined settings.

NOTES

1. Stone toe wall shall be constructed with stones of the specified size and in no cases shall the immediate dimension of any stone be less than 3'0".
2. Wall shall be constructed with staggered (ie. running) joints between rocks on adjacent tiers.
3. Footer rock shall be embedded below the channel a minimum of 4'0". Stacked section shall have no more than 6'0" of exposure.
4. Contractor shall carefully select and place individual stones to maximize contact with adjacent stones. Stones are shown as blocks to give contractor the idea of what you would like. They do not need to be cut stone.
5. To extent practical, stones shall dip toward embankment to better resist sliding.

