



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: _____

Please see attached budget.

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

Pawlet will provide labor, equipment, and in-kind materials.

Requested Grant Amount (\$20,000 max Category B, \$40,000 max Categories C & D): \$13,116.20

Estimated Total Project Cost (including 20% local match): \$16,395.25

Estimated Completion Date: August 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: Michael Boehle

Title: Selectboard chair

Cost Estimate Worksheet

Town and Road Name:

Project Name:

Labor	Rate	# Hours	Total (Rate x Hours)
Labor Total			

Equipment	Rate	# Hours	Total (Rate x Hours)
Equipment Total			

Materials	Rate	Amount	Total (Rate x Amount)
Materials Total			

Miscellaneous	Rate	Amount	Total (Rate x Hours)
Miscellaneous Total			

Grand Total _____
Match _____



This ditch would be filled in with shot rock, stabilizing road shoulder and creating a stone-lined ditch. The far end of this ditch is excessively deep and the shoulder is too narrow for adequate road stability.



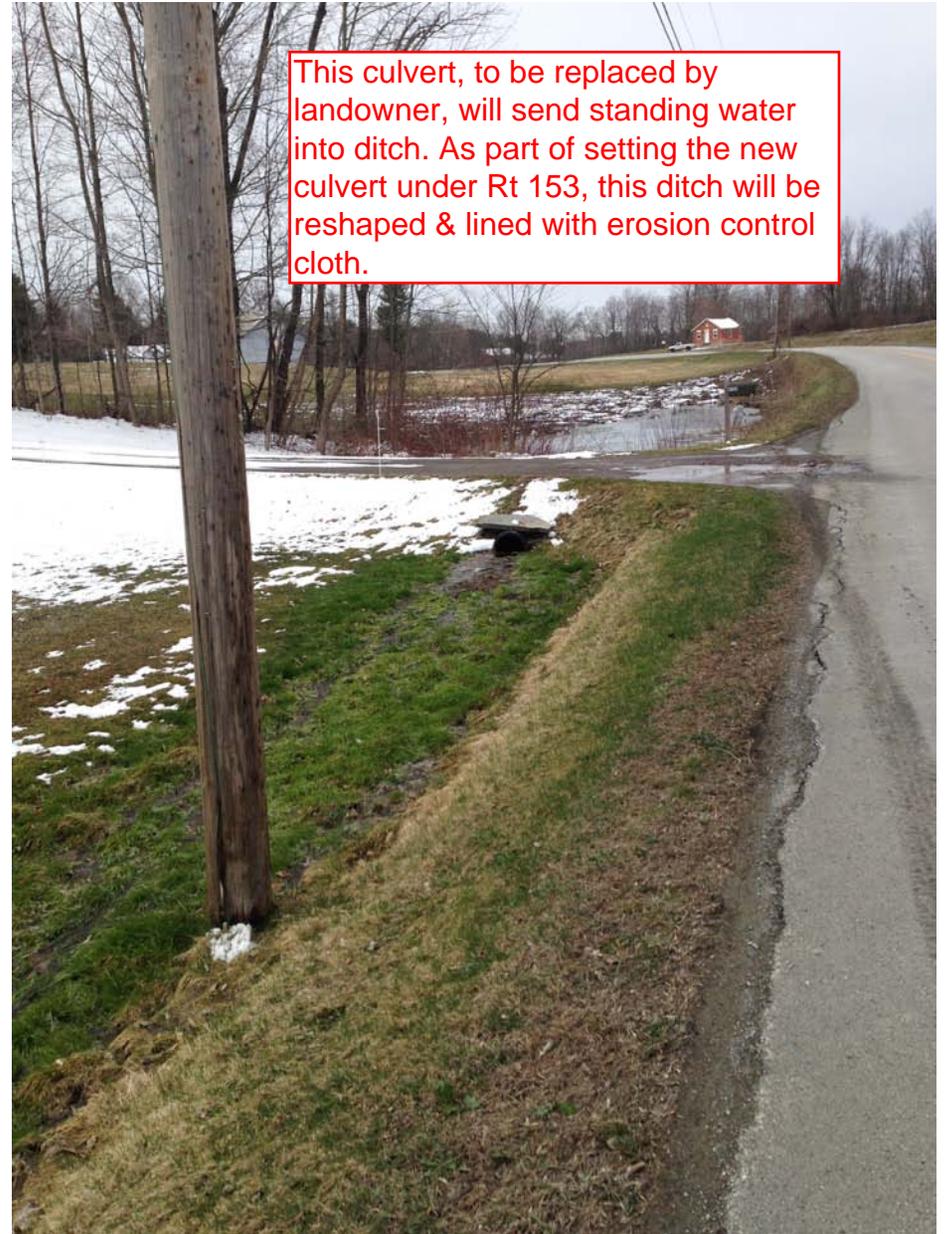
New culvert to be installed here, to cross under Vt Rte 153



This culvert, under private drive is to be removed.



This culvert, to be replaced by landowner, will send standing water into ditch. As part of setting the new culvert under Rt 153, this ditch will be reshaped & lined with erosion control cloth.





These photos detail the pooled water that will be traveling into this new culvert.

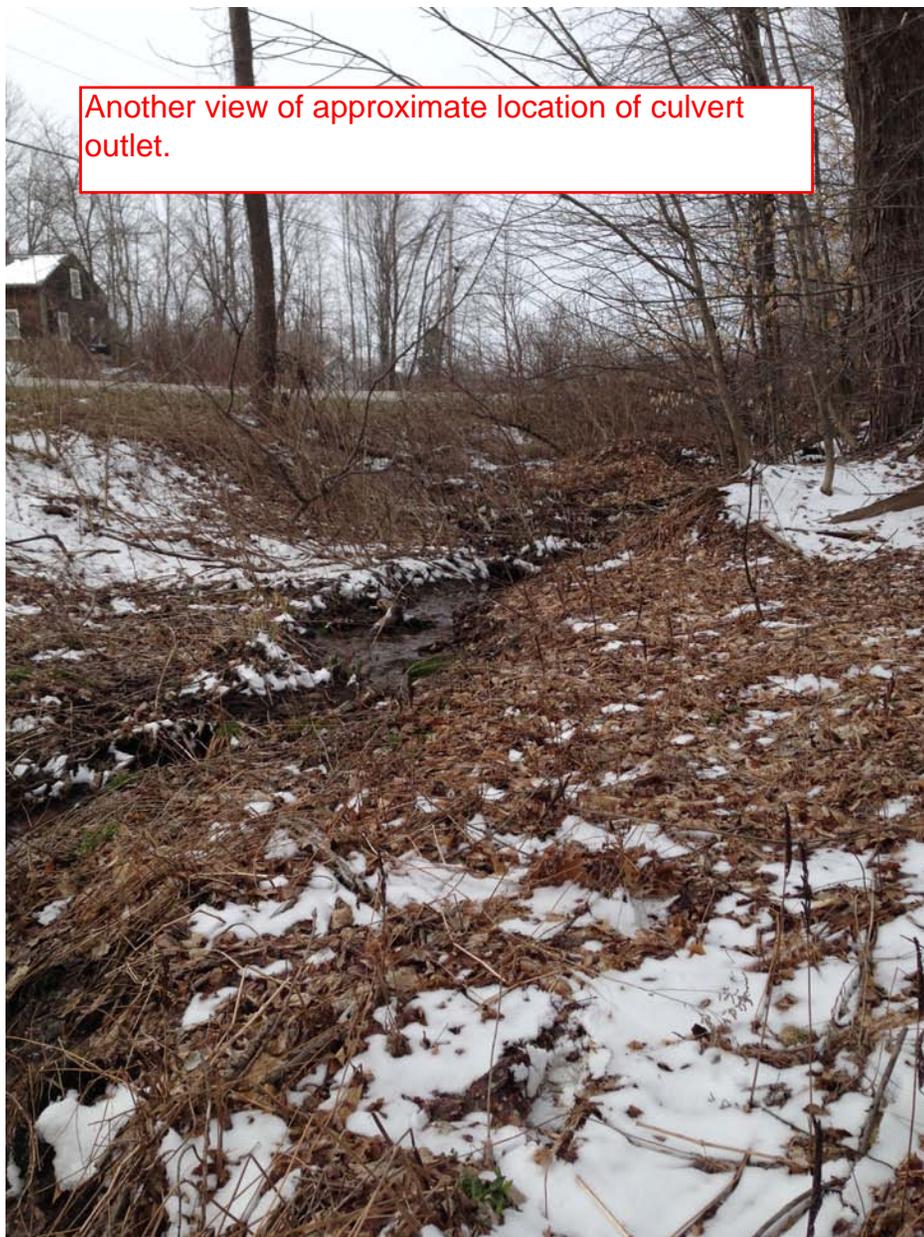


Location of new culvert, crossing Rte 153

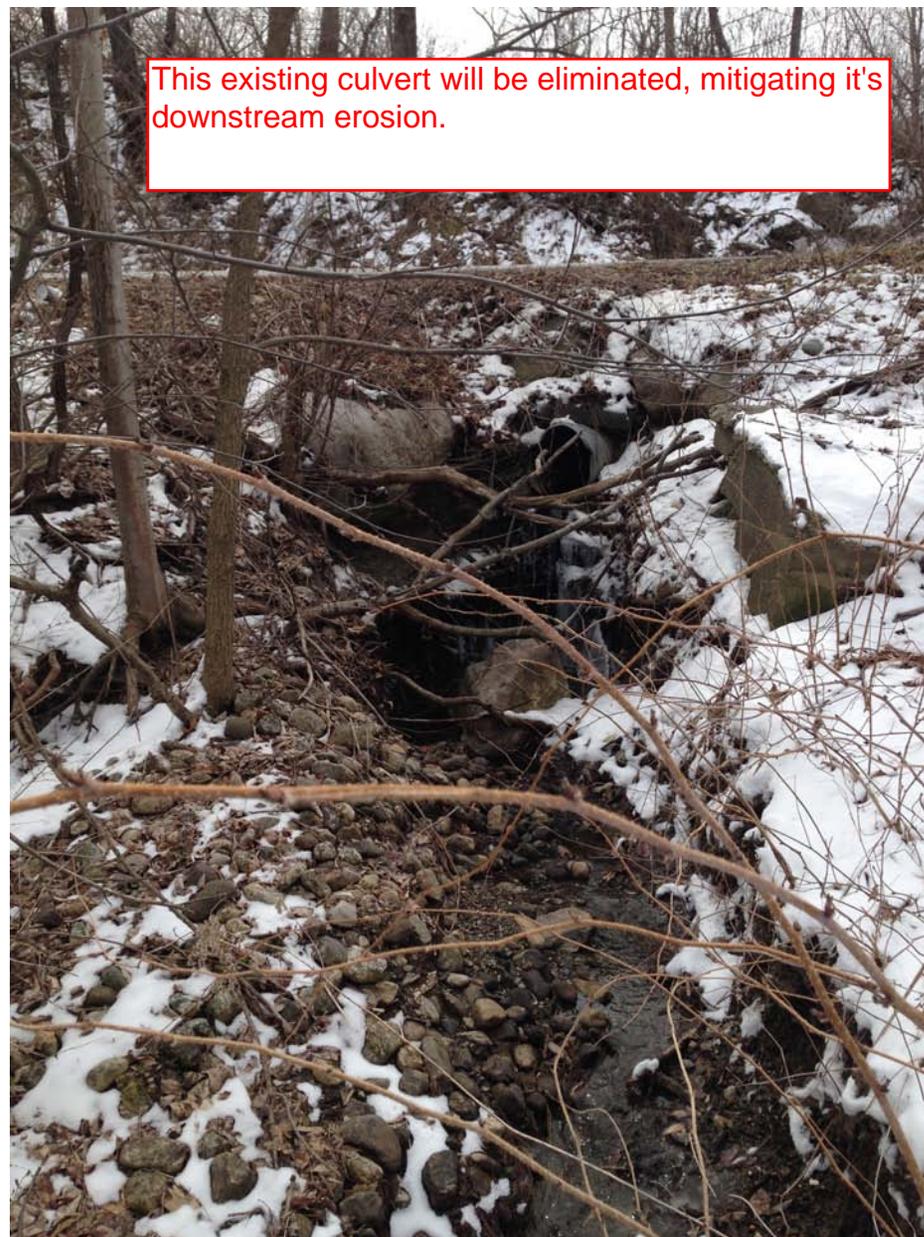


Approximate area where culvert will drain. An armored splash pool will be installed here to catch sediment and prevent erosion.





Another view of approximate location of culvert outlet.



This existing culvert will be eliminated, mitigating its downstream erosion.



Photos illustrate the erosion issues at the outlet of the culvert, which deposits sediment into the adjacent wetland.

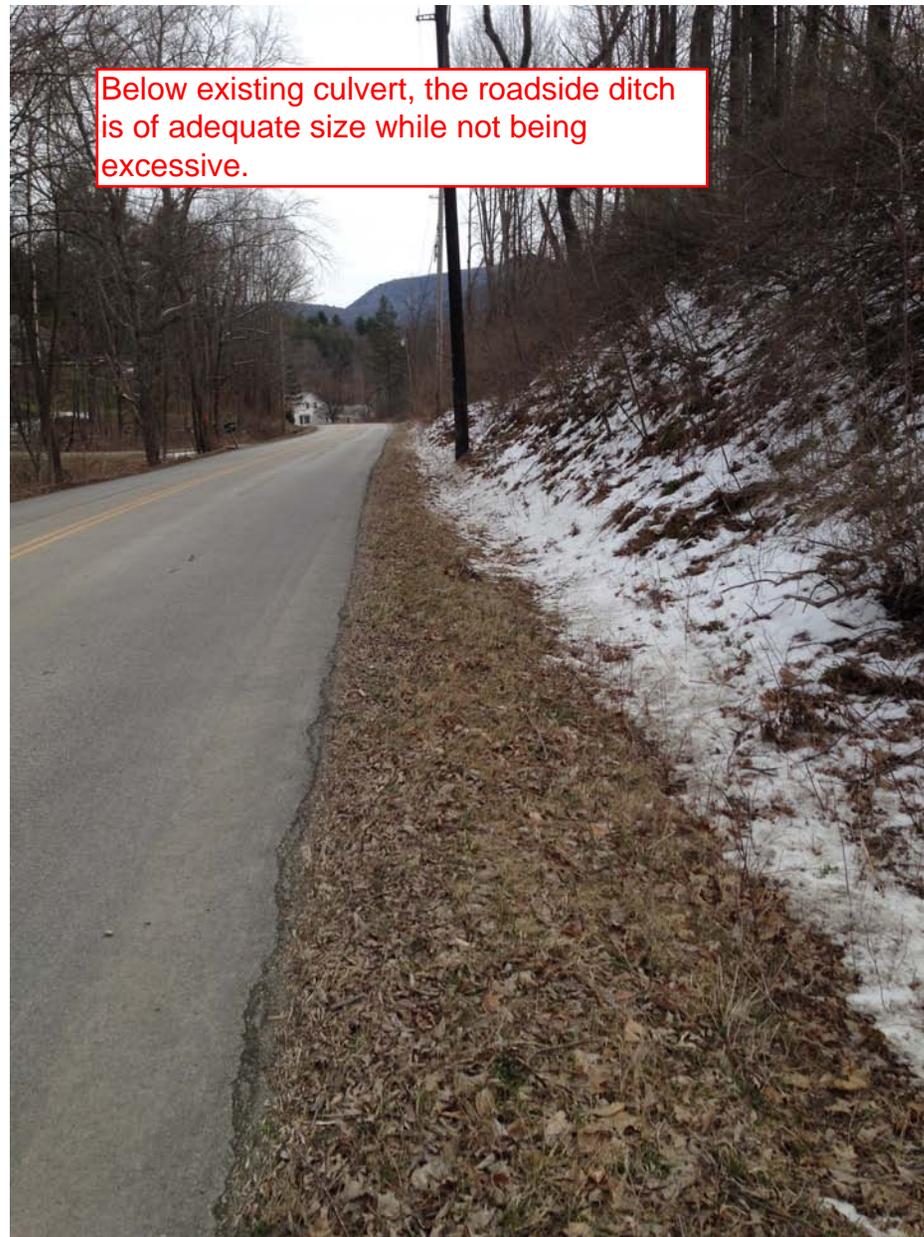
Downstream of culvert outlet there are bank instability issues



Close-up view of erosion on outlet of culvert



Below existing culvert, the roadside ditch is of adequate size while not being excessive.





This ditch will be filled with shot rock, stabilizing road. The resulting ditch will be a stone-lined ditch that is not as deep as current one, safer for vehicles and improves road bed stability. Post is marking the start of the existing culvert that will be eliminated.

From: Carvajal, Joshua Joshua.Carvajal@vermont.gov 
Subject: Re: Pawlet_Warren Switch Road and RT 153
Date: April 5, 2016 at 7:09 AM
To: Timothy Hughes-Muse pawletselectbrd@vermontel.net
Cc: PMNRCD pmnrkd@gmail.com, Keith Mason pawletroads@vermontel.net



From: Carvajal, Joshua
Sent: Tuesday, April 5, 2016 7:07 AM
To: Timothy Hughes-Muse
Cc: PMNRCD; Keith Mason
Subject: Pawlet_Warren Switch Road and RT 153

Tim,

The proposed improvements to roadside swales along this section of Warren Switch Road and RT 153 is not jurisdictional under the Stream Alteration General Permit (SAGP) because the streams are not be perennial.

We also discussed potential improvement outside the Town ROW to stabilize eroding swales that appear to be wetlands. I would suggest contacting the Army Corps of Engineers and the VT Wetland Program to discuss this your project and get a better understanding of the regulatory requirements associated with wetlands.

Please let me know if you need additional assistance on these projects.

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

Our email addresses have changed (@vermont.gov)

NEW: joshua.carvajal@vermont.gov

Please update your address book!

