



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 Shoreham

Project Name: Harrington Hill Road Ditch Project

Road Name: Harrington Hill Road TH #: 40 Structure # (if applicable): _____

Road Type: Unpaved Uncurbed
Class 3

Watershed: Lake Champlain

Please provide a thorough description of the problem (ex. Roadway has steep slope with no ditch which is causing roadway erosion):
High volume of run off is causing severe erosion to the ditch and road shoulder. A failing culvert at the west end of this project is undermining the shoulder and slope of this ditch as well.

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):
This project will consist of reshaping and stone lining +/- 500' of ditch and replacing one driveway culvert and upgrading a failed 24" culvert to a new 30" culvert.

Expected Effects (+ & -) on water quality (ex. Erosion will be eliminated by placing the stone ditch):
The expected effects are to stabilize the ditch and road shoulder and eliminate erosion.



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

Progress to Date:
None

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: Municipal road inventory

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.):
N/A

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).
Yes



Describe how the grant funds will be spent and/or attach a project budget:
 Grant funds will be spent on materials and equipment for this project.

How do you plan to meet the required 20% match on this grant?:
 The 20% match will be funded out of the town road budget and inkind services.

Requested Grant Amount (\$20,000 max Category B, \$40,000 max Categories C & D): \$ 10,356.45

Estimated Total Project Cost (including 20% local match): \$ 12,356.45

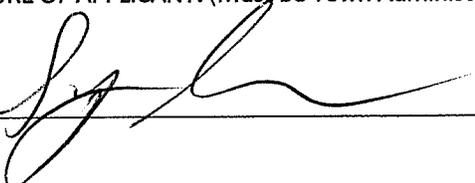
Estimated Completion Date: 09/01/2016

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: select board chair

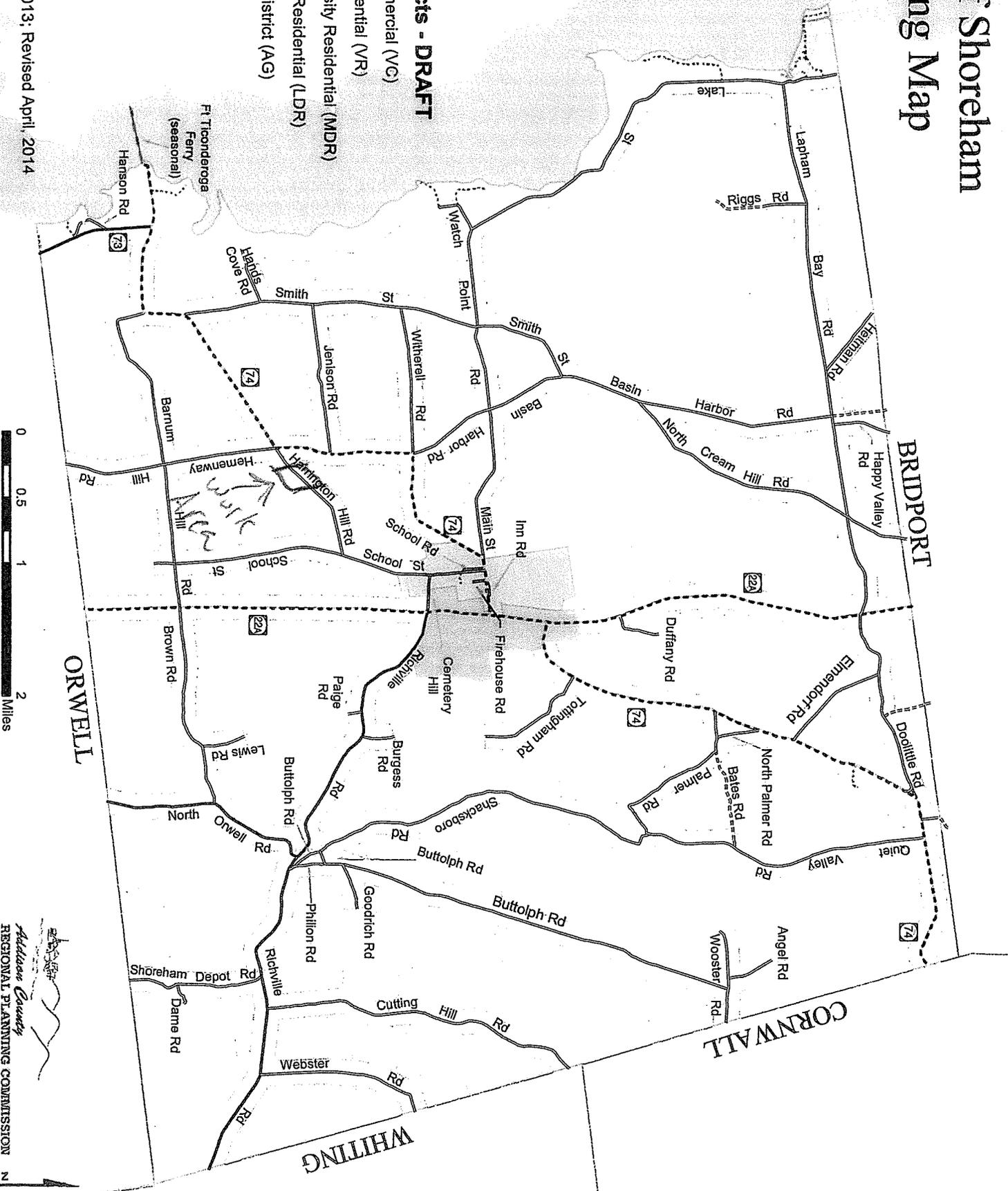
Town of Shoreham Zoning Map

Zoning Districts - DRAFT

-  Village Commercial (VC)
-  Village Residential (VR)
-  Medium Density Residential (MDR)
-  Low Density Residential (LDR)
-  Agricultural District (AG)

Zoning Districts:
DRAFT March, 2013; Revised April, 2014

ACRPC 4/2014











Addison County Regional Planning Commission

14 Seminary Street Middlebury, VT 05753 www.acrpc.org Phone: 802.388.3141 Fax: 802.388.0038

April 12, 2016

Alan May
Agency of Transportation
Municipal Assistance Bureau
1 National Life Drive
Montpelier, VT 05633

Dear Alan,

I am writing to express the Addison County Regional Planning Commission's support of the Town of Shoreham's Category B application to the FY17 Vermont Better Roads Grant Program for the correction of a gravel road related erosion problem. After review of the application, I am confident that the proposed project will result in important water quality benefits that this program strives to achieve.

The proposed project will address severe ditch and road shoulder erosion and an associated failed culvert along a stretch of Harrington Hill Road in Shoreham that takes on extremely high volumes of water during heavy rain and stormwater events. The project area is immediately adjacent to a tributary that connects to a system of streams that lead directly into Lake Champlain approximately two miles away. The project area is also identified as having a "moderate" road erosion risk ranking on the Vermont Natural Resources Atlas, indicating a strong risk of adverse water quality impacts should the problem not be addressed.

This project is also supported by several goals, objectives and recommended actions set forth in the Transportation Section of the Addison County Regional Plan:

- *Reduce roadway impacts on water quality and improve disaster preparedness (p. 6-8);*
- *Encourage municipalities to adopt hazard mitigation plans and implement best management practices for stormwater culvert and ditch design (p. 6-9); and*
- *Avoid negative impacts to the environment and minimize greenhouse gas emissions (p. 6-12).*

The Transportation Section of Shoreham's Town Plan also identifies goals and actions that would be achieved by the proposed project:

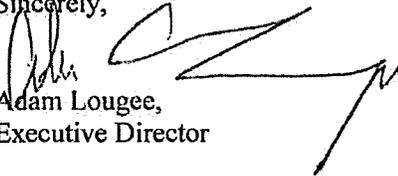
- *Optimize use of taxpayer dollars used for roads while still providing safe and easy movement through the Town and limiting physical changes that might alter its rural character (p. 31);*
- *Continue to update the Town road plan, managing roads in such a way as to meet present and future needs, including provisions for bike use and safety (p. 31); and*
- *Conduct ongoing efforts to ensure control of water and phosphorus run-off, thus making sure road banks are not eroding into rivers, streams, ponds, or wetlands (p. 32).*

The Town of Shoreham understands the connection between its transportation system and potential impacts on water quality and seeks to collaborate with VTrans to both pursue Town goals and uphold its responsibility to mitigate its impacts on the region's water quality. It has the full support of ACRPC in



these efforts. Please do not hesitate to contact me if you have any questions regarding this letter or if I may offer you any further assistance. I can be reached at 802-388-3141 or alougee@acrpc.org.

Sincerely,

A handwritten signature in black ink, appearing to read 'Adam Lougee', with a long horizontal stroke extending to the right.

Adam Lougee,
Executive Director