



# FY17 Vermont Better Roads Grant Application

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

Town/Organization: Town of Sheldon Contact Person(s): Ron Lontine

Address: P.O. Box 66, Sheldon, VT 05483

Email: roads@sheldonvt.com Phone: (802) 370 0403

DUNS #: 32180432 Fiscal Year End Month (MM): 12

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 Sheldon

Project Name: Ditch Stabilization on Swamp Road

Road Name: Swamp Road TH #: 17 Structure # (if applicable): \_\_\_\_\_

Road Type: Unpaved Uncurbed  
Class 3

Watershed: Missisquoi Watershed

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

Swamp Road has a moderate slope (4.5%) but receives runoff from a large hillside watershed south of the roadway. There are no cross culverts in this section of the roadway to disperse the flow. The ditch is undersized to handle the runoff and it is eroding the ditch. The ditch empties into Goodsell Brook without treatment.

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):

The project includes reshaping and stone lining the ditch beginning at the crossing of Goodsell Brook with Swamp Road and extending east approximately 1,056 ft east along the roadway. A 24" driveway culvert would be reinstalled at a lower elevation with a stone header. Stone check dams would be installed in the ditch to slow water prior to entering the stream. The project will tie into a previous Better Back Roads project that stonelined a small portion of the ditch.

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

This project will prevent further erosion of the ditch and will reduce the amount of sediment entering Goodsell Brook by reducing the flow velocity and allow sediment to settle out at the check dams.



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

**Progress to Date:**

A small portion of the ditch has been stone-lined under a previous Better Backroads Grant.

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.):

The Town sought input from the Northwest Regional Planning Commission and District 8 staff.

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:  
See attached budget.

How do you plan to meet the required 20% match on this grant?:  
The 20% match will be met through town labor and equipment.

Requested Grant Amount (\$20,000 max Category B, \$40,000 max Categories C & D): \$20,000  
 Estimated Total Project Cost (including 20% local match): \$52,494.80  
 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.

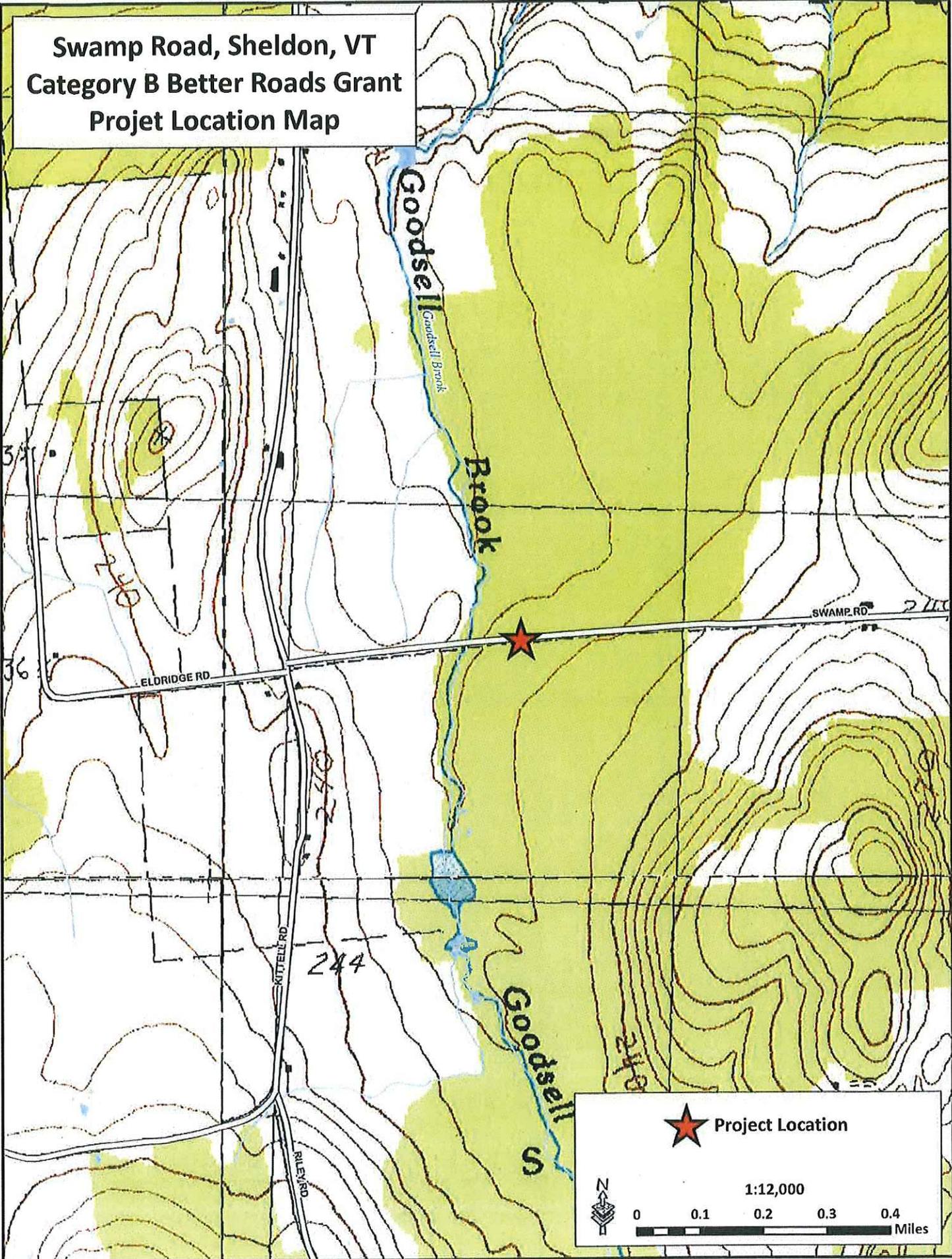
By signing this application I certify that all the information provided is accurate to the best of my knowledge. We will comply with all the requirements of the grant including making our books available for audit if required.

**SIGNATURE OF APPLICANT: (Must be Town Administrator/Manager or Select Board Chair)**

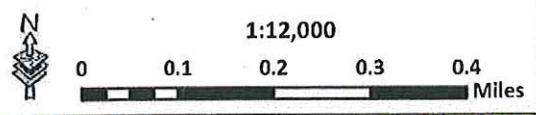
Name: Richard L. Lortie Jr Title: Road Foreman



Swamp Road, Sheldon, VT  
Category B Better Roads Grant  
Project Location Map



★ Project Location



Swamp Road, Sheldon, VT  
 Category B Better Roads Grant  
 Ditch Stabilization

0 400 800  
 Feet



Prepared by:  
 Northwest Regional  
 Planning Commission  
 75 Fairfield Street  
 St. Albans, VT 05478  
 For planning purposes only.  
 www.nrpcvt.com  
 March 2016

Goodsell Brook

Ditch stonelined under  
 previous BBR grant

Reinstall existing 24"  
 driveway culvert at  
 lower elevation

Swamp Rd

226

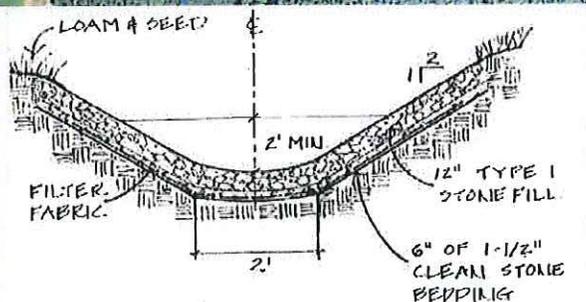
Reshape and stoneline  
 1,056 ft. of ditch with slopes  
 averaging 4.5%.

704

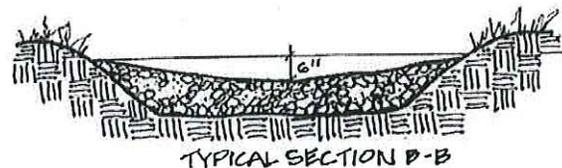
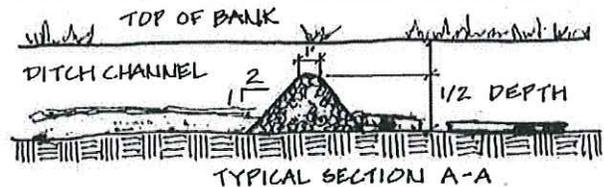
918

1106

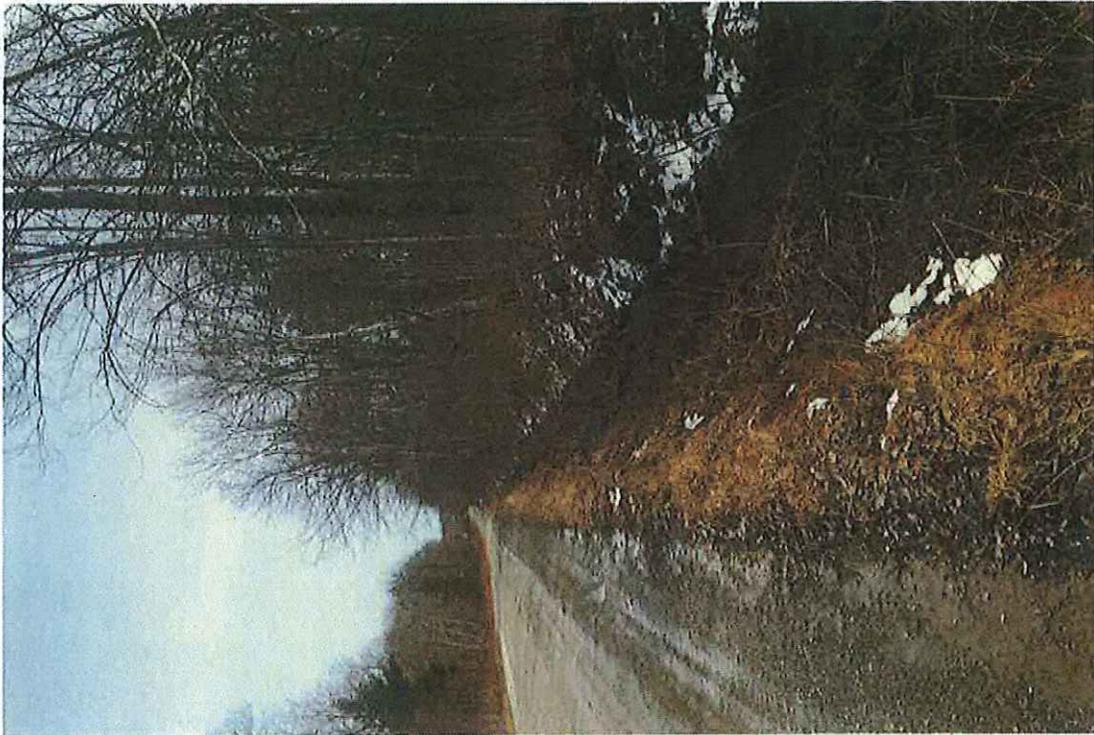
750



Ditch will be re-established and rocklined.  
 (Source: BBR Manual p. 13)



Stone check dams will be installed.  
 (Source: BBR Manual p. 17)



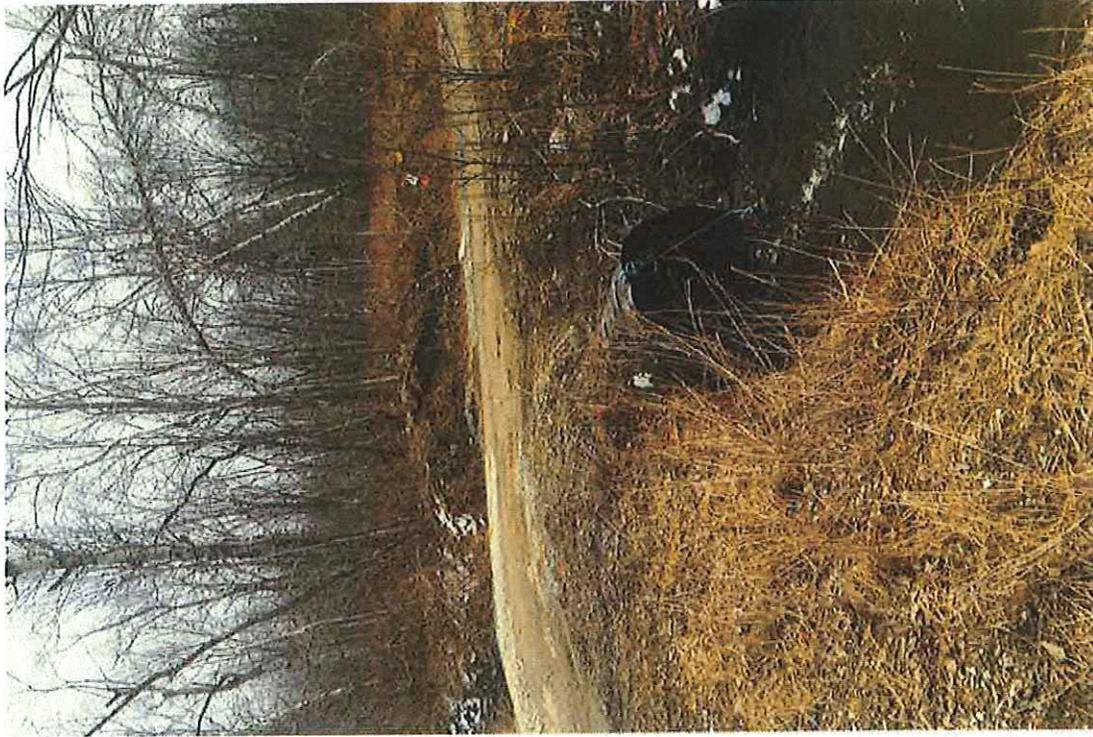
View of ditch looking uphill.



View of ditch looking down hill.  
This portion was stoned through an  
earlier BBR grant.



View of ditch looking down hill.



Culvert at Goodsell Brook Crossing.  
The town is seeking a Structures Grant  
through District 8 for design to replace.



View of ditch looking uphill, near  
Goodsell Brook.



Drainway culvert will be reinstalled at lower elevation.