

FY17 Vermont Better Roads Grant Application

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

Town/Organization: Benson Contact Person(s): Daphne Bartholomew

Address: O.O. Box 163, Benson, VT 05731

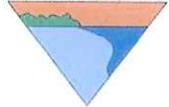
Email: jlbenon@shoreham.net Phone: (802) 537 - 2611
Street Address Town Zip

DUNS #: 169733487 Fiscal Year End Month (MM): 06

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: Benson

Project Name: North Lake Road Ditching

Road Name: North Lake Road TH #: 6 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):

The roadway has a steep grade with poor ditching on the north and south sides of the road, causing ditch and road surface erosion. The edge/shoulder of the road is at high risk of undermining.

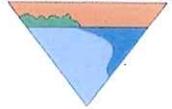
Description of Project and how you plan to complete the work (ex. Stone line 500' of ditch by reshaping

ditch and stone lining, working from the top of the project down to the bottom):

Starting at the top of the project down to the bottom, we plan to stone line 1500 feet of ditch, reshaping and regrading the bottom of the ditch on the north and south sides of the road and then stone lining. We also plan to upsize two (2) cross culverts.

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

Erosion will be eliminated with the placement of stone in the ditch, baffling the speed of water and thus protecting the edge and surface of the road from further erosion. This will reduce phosphors and sediment pollution into Lake Champlain.



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:
Yes. Recent heavy rains caused high volumes of water to leave the ditch and wash out several hundred feet of road.

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.):
We referred to the best practices of Better Roads as well as the Better Roads manual.

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).
Some - the Town Road Crew will truck away unusable ditch material and truck stone back in for ditch lining from stockpile area,



Describe how the grant funds will be spent and/or attach a project budget:
 PLEASE SEE ATTACHED QUOTE FROM ORWELL SAND AND GRAVEL

How do you plan to meet the required 20% match on this grant?:
 2016 BUDGET GRANT MATCHING FUND

Requested Grant Amount (\$20,000 max Category B, \$40,000 max Categories C & D): \$ 17,833.60
 Estimated Total Project Cost (including 20% local match): \$ 22,292.00
 Estimated Completion Date: 10/16/2016

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: Guy M. Chalton

Title: Chair Selectboard

Proposal

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PROPOSAL SUBMITTED TO: TOWN OF BENSON		JOB NAME LAKE RD	JOB #
ADDRESS		JOB LOCATION	
		DATE	DATE OF PLANS
PHONE #	FAX #	ARCHITECT	

We hereby submit specifications and estimates for: **DITCH AND STONE LINE APPROX 1500' AND REPLACE 2 CULVERTS**

APPROX 385' YARD OF RIPRAP

\$ 10,442.50

HAMMER IF NEEDED

\$ 1600.-

Equip, LABOR, ETC.

\$ 10,250

\$ 22,292.50

(TOWN TO SUPPLY CULVERTS)

We propose hereby to furnish material and labor – complete in accordance with the above specifications for the sum of:

\$ _____ Dollars

with payments to be made as follows: _____

Any alteration or deviation from above specifications involving extra costs will be executed only upon written order, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents, or delays beyond our control.

Respectfully submitted _____

Note — this proposal may be withdrawn by us if not accepted within _____ days.

Acceptance of Proposal

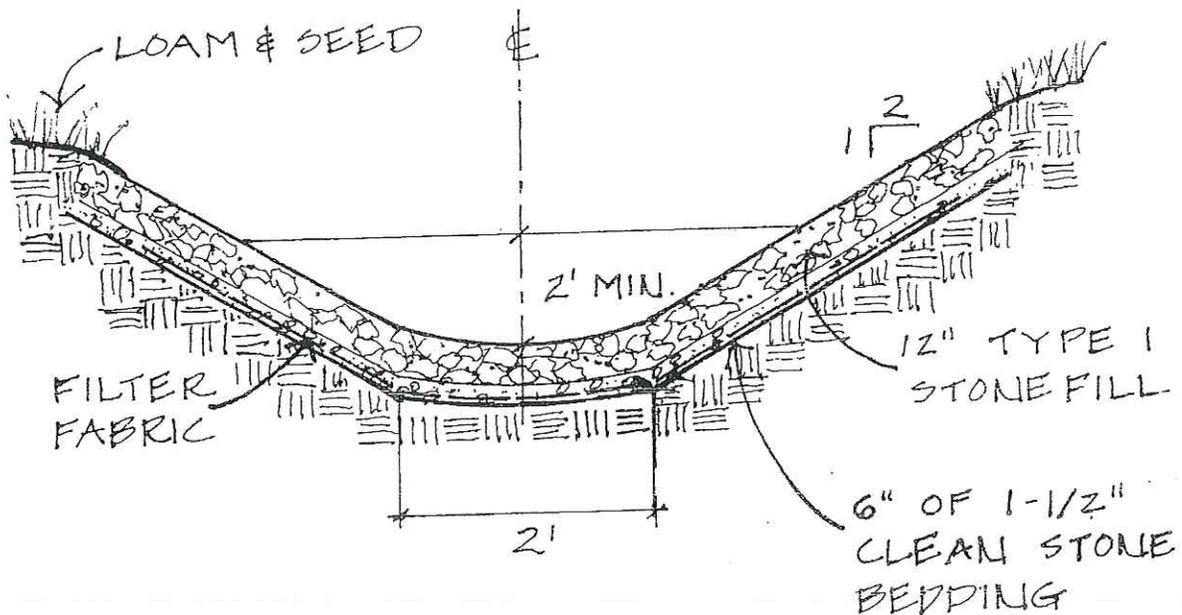
The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payments will be made as outlined above.

Signature _____

Date of Acceptance _____

Signature **SN**

- Size ditches so they are large enough to handle runoff from the drainage area.
- The preferred equipment for creating ditches is a rubber-tired excavator with an articulated bucket.
- Line ditches which have a less than 5% slope with grass in order to filter sediments. Use mulch or erosion control blankets to hold seed in place and allow it to become established.
- Line ditches which have a greater than 5% slope with riprap.
- Line ditches as soon as possible to prevent erosion and to maintain the ditch profile.
- Ditches should deposit water away from the road and prevent standing water, which can weaken the road.
- Outlet ditches into vegetated areas, where possible.
- Vegetated ditches installed after September 15th should be stabilized with either erosion control blankets or hydroseeding to provide adequate protection for winter.



STONE LINED DITCH





Vermont Department of Environmental Conservation
Watershed Management Division
Asa Bloomer State Office Building Suite 430
Rutland, VT 05701-5903

Agency of Natural Resources

[phone] 802-786-2503
[fax] 802-786-5915

Town of Benson, Vermont
2760 Stage Road
Benson, Vermont

To Whom It May Concern

April 4, 2016

The backroads of Vermont are integral to the state's rural image and quiet, tranquil nature. Hidden from view is the fact that these rural roads, whether gravel or paved, can be a significant source of phosphorus and sedimentation if they are not properly maintained. The Vermont Better Backroads Program enables towns to fix chronic erosion problems in an optimal way so they can avoid annual repairs and reduce phosphorus and sediment pollution.

The Town of Benson, VT has completed several Better Backroads projects over the years and is now looking to implement a stone-lined ditching project on North Lake Road in Benson. The Town has long been a proponent of stone-lining ditches in towns which is known to stabilize the roadway embankment and reduce future erosion into nearby waterways.

Please consider this a letter of support for the good work that the Town of Benson has undertaken on a town-wide approach in addressing back road run-off and preventing subsequent ditch erosion that would otherwise have impacts to water quality. In addition, it is important to note that long-term cost savings that can be identified as a result of reduced road maintenance simply by rock-lining ditches on back roads and replacing undersized culverts.

Thanks for your continued participation in the Vermont Better Backroads Program.

Sincerely,

A handwritten signature in black ink that reads "Ethan Swift".

Ethan Swift
Watershed Coordinator
VT Agency of Natural Resources

**Certification of Compliance
for
Town Road and Bridge Standards
and
Network Inventory**

We, the Legislative Body of the Municipality of Benson certify that we have reviewed, understand and comply with the Town Road and Bridge Standards / Public Works Specifications and Standards passed and adopted by the Selectboard / City Council / Village Board of Trustees on February 18, 2013.

We further certify that our adopted standards do do not meet or exceed the minimum requirements included in the January 23, 2013 VTrans template.

We further certify that we do do not have an up-to-date highway network inventory which identifies location, size, deficiencies/condition of roads, bridges, causeways, culverts and highway-related retaining walls on class 1, 2, and 3 town highways, and estimated cost of repair.

Guy M. Charbon

Date: March 14, 2016

Regina L. Cuel

Ed Btr

Robert E. Lussee
(Duly Authorized Administrator)

For a summary of your community's road and bridge information please visit: tinyurl.com/rdsinfo