



FY17 Vermont Better Roads Grant Application

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

Town/Organization: Huntington Contact Person(s): Barbara Elliott

Address: 4930 Maini Road, Huntington VT 05462

Email: townhunt@gmavt.net Phone: (802) 434 - 4779

DUNS #: 28790780 Fiscal Year End Month (MM): 6

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 Huntington, VT

Project Name: Salvas Road Erosion Control

Road Name: Salvas Road TH #: 21 Structure # (if applicable): _____

Road Type: Unpaved Uncurbed
Class 3

Watershed: Winooski River Basin

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

Roadway has a 7-8% slope with no ditches, causing road erosion sediment to enter the brook that feeds Brush Brook (which feeds into the Huntington River, which feeds into the Winooski River).

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):

Work will be to add turn outs and stone lined ditches on both sides of aprox. 700' of roadway, starting at the top of the road & working downhill. This is part 1 of a 2-part project: the lower portion of the road is currently part of a FEMA disaster recovery project slated to be completed summer 2016. Since the upper portion of the road feeds the downhill 'FEMA project' portion, this grant would enable us to complete the road.

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

Each year, aprox. 15-17 yards of sediment enter the brook. This work would eliminate this problem.



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

Progress to Date:
None.

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: 2011 Inventory of Road Drainage Problems & Capital Improvement Plan (see appendix)

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.):
Rachel Beauregard, VTRANS MAB
Jaron Borg, River Management Engineer, VT DEC Watershed Management

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 (labor, equipment, materials)

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

Town road crew labor and Town equipment hours will account for the 20% match. In addition, the General Fund operating budget will cover materials and equipment rental in the event the project requires additional funds above the \$20,000 grant amount.

Requested Grant Amount (\$20,000 max Category B, \$40,000 max Categories C & D): \$ 20,000.00

Estimated Total Project Cost (including 20% local match): \$ 25,581.25

Estimated Completion Date: 10/31/2016

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: Barbara J. M. Elliott

Title: Town Administrator

Cost Estimate Worksheet

Town and Road Name: *Town of Huntington, Salvas Road*

Project Name: *Salvas Road Erosion Control*

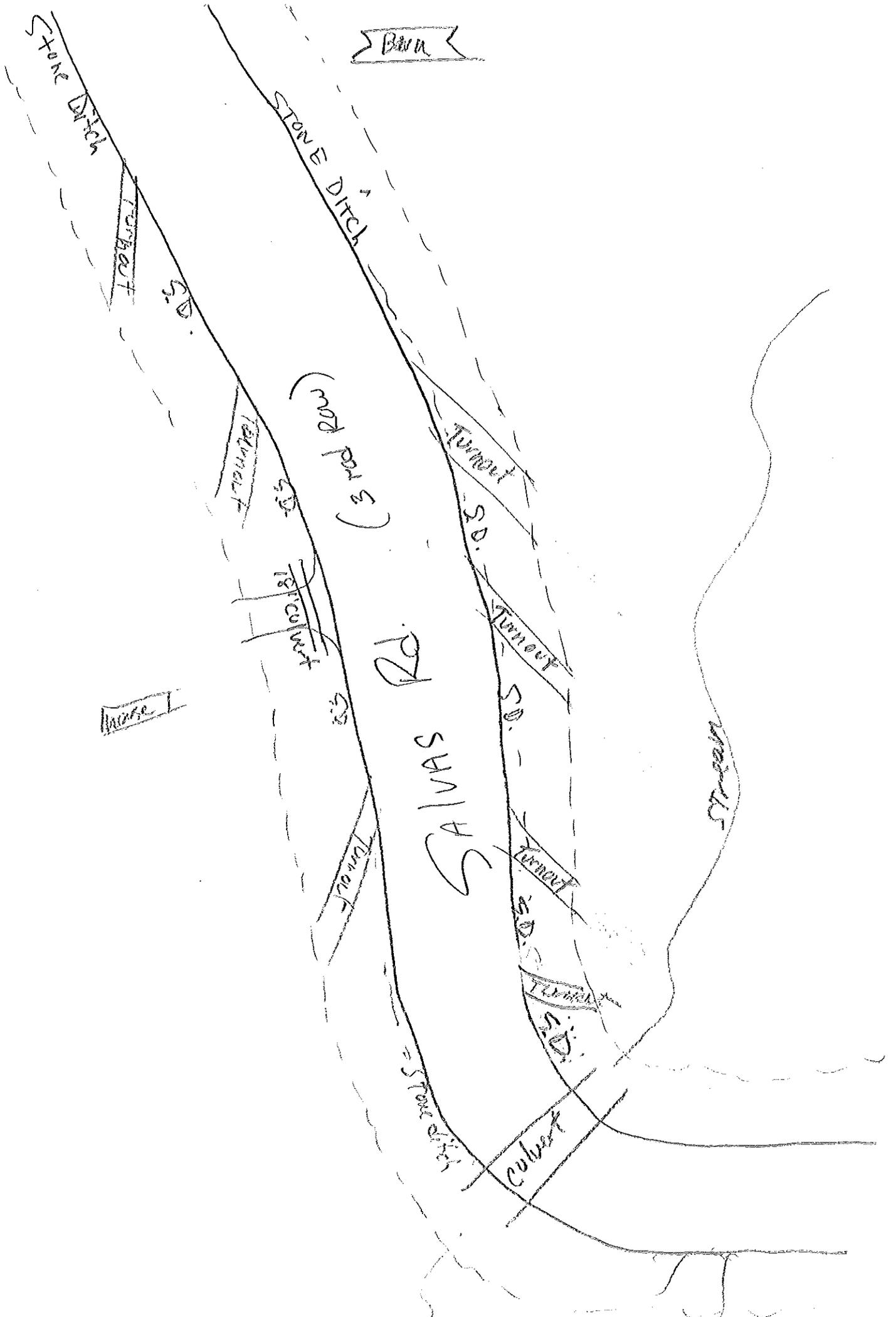


Labor		Rate	# Hours	Total (Rate x Hours)
Clinton 'Yogi' Alger		28.73	40	1149.20
Kaymond Liberty		18.14	40	725.60
Kobey Thompson		17.38	40	695.20
Scott Island		16.50	40	660.00
Leo Alger		10.50	30	315.00
Labor Total				3,545.00
Equipment		Rate	# Hours	Total (Rate x Hours)
Excavator Rental - 1 week (John Reese 130)		1,168.75 / wk		1,168.75
Truck #1 14 yd tandem dump truck		75.-	40	3,000.00
Truck #2 14 yd tandem dump truck		75.-	40	3,000.00
Truck #3 8 yd single axle dump truck		42.25	40	1,690.00
Truck #4 1.5 ton F550 pickup truck		29.75	10	297.50
Equipment Total				9,156.25
Materials		Rate	Amount	Total (Rate x Amount)
Rip Rap 6-18" delivered		257 / load	40 loads	10,280.-
18" x 20' culvert		400.00		400.-
3/4" plant mix		200.- / load	10 loads	2,000.-
Materials Total				12,880.-
Miscellaneous		Rate	Amount	Total (Rate x Hours)
Miscellaneous Total				
Grand Total				625,581.25

Match

House

Barn



Maze I

(3 per row)

SALVAS Rd.

Stream

Culvert

Stone Ditch

Stone Ditch

Stone Ditch

Turnout 50.

Turnout 50.

Turnout 50.

Turnout 50.

Turnout

Turnout

Turnout

Turnout



VERMONT

Vermont Department of Environmental Conservation

Watershed Management Division

1 National Life Drive, Main 2

Montpelier VT 05620-3522

www.watershedmanagement.vt.gov

Agency of Natural Resources

[phone] 802-828-1535

[fax] 802-828-1544

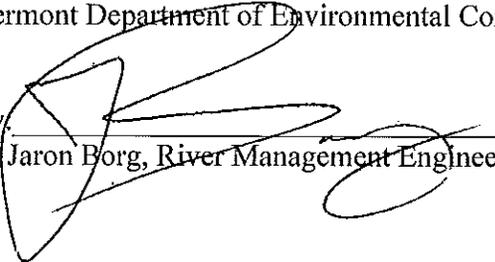
Attn: Clinton "Yogi" Alger
Town of Huntington
4930 Main Road
(802) 434-2710

Mr. Alger

Thank you for providing me with opportunity to meet with you at the project sites, earlier today (04/13/2016). At the time of our meeting we reviewed the town's proposed ditching project located on Salvas Rd. approximately 0.7 miles from the junction of Camels Hump Rd. The proposed project includes excavation and stone lining of the ditches adjacent to the roadway and does not include any working within the limits of the stream. However, it is designed to minimize sediment entering into the waterway. As such no stream alteration permit will be necessary for this project. Should you have any further questions or comments regarding this project please do not hesitate to contact me.

Sincerely,

Alyssa B. Schuren, Commissioner
Vermont Department of Environmental Conservation

By:  Dated April 13th, 2016
Jaron Borg, River Management Engineer

Dated April 13th, 2016

**An Inventory of Road Drainage Problems
On Class 3 Roads
And a Capital Improvement Plan**

**Town of Huntington, VT
November 2011**



Funded by a Category 'A' grant from the *Vermont Better Backroads Program* and Town funds

Section III

A Summary of Road Condition Ratings

Ratings are somewhat subjective. A severe rating calls for immediate attention. A poor rating suggests the road or segment is serviceable but has many issues. If not remedied soon the road or road segment will rapidly deteriorate into costly rehabilitation. A rating of fair suggests some deterioration taking place that sound maintenance could remedy. Seven roads having a good rating are italicized as *no significant drainage issues, regular maintenance required*.

<u>Class 3 Roads</u>	<u>Mile Length</u>	<u>Roads and Road Segments with Conditions</u>
1 Beane Road	0.40	Poor to Fair
2 Bert White Road	1.45	Segment 1: Poor Segment 2: Fair Segment 3: Poor Segment 4: Fair Segment 5: Fair
3 Bridge Street	0.61	Fair
4 Camels Hump Road	3.30	Segment 1: Fair Segment 2: Fair Segment 3: Fair Segment 4: Poor Segment 5: Severe Segment 6: Poor
5 Carse Road	1.40	Segment 1: Poor Segment 2: Severe Segment 3: Fair
6 <i>Chalet Heights Road</i>	<i>0.13</i>	<i>Good: No significant drainage issues; regular maintenance</i>
7 Charlie Smith Road	0.20	Fair
8 Cozzens Road	0.15	Poor to Fair
9 Delfrate Road	0.60	Poor
10 East Street	1.75	Fair
11 Economou Road	1.40	Severe
12 Fielder Road	0.15	Poor
13 Handy Road	0.55	Poor
14 Happy Hollow Road	1.84	Poor
15 <i>Huntington Acres</i>	<i>0.24</i>	<i>Good: No significant drainage issues; regular maintenance</i>
16 Huntington Woods Road	0.34	Fair to Good
17 Kier Road	0.25	Severe
18 Lerner Road	0.14	Fair
19 Lincoln Hill Road	0.75	Fair
20 Mayo Road	1.50	Fair to Good
21 Moody Road	1.55	Segment 1: Fair Segment 2: Severe to Poor Segment 3: Fair
22 <i>Piper Place</i>	<i>0.10</i>	<i>Good: No significant drainage issues; regular maintenance</i>
23 Pond Road	1.40	Poor to Fair
24 <i>Robert Parks Road</i>	<i>0.30</i>	<i>Good: No significant drainage issues; regular maintenance</i>
25 <i>Robert Parks Road West</i>	<i>0.10</i>	<i>Good: No significant drainage issues; regular maintenance</i>
26 Salvas Road	0.95	Poor
27 <i>School Street</i>	<i>0.11</i>	<i>Good: No significant drainage issues; regular maintenance</i>
28 Shaker Mountain Road	0.55	Fair
29 Sherman Hollow Road	2.55	Fair
30 <i>Spence Road</i>	<i>0.30</i>	<i>Good: No significant drainage issues; regular maintenance</i>
31 Taft Road	1.63	Seg. 1: Severe Seg. 2: Poor Seg. 3: Fair Seg. 4: Fair
32 Terrien Road	0.26	Severe to Poor
33 Texas Hill Circle	1.05	Fair
34 Texas Hill Road	1.62	Fair
35 Trapp Road	1.85	Segment 1: Fair Segment 2: Poor
36 Weaver Road	1.20	Severe to Fair

Piper Place .10 Miles

No significant drainage issues. Regular Maintenance.

Pond Road 1.40 Miles

Condition Poor to Fair

Notes Berms; lack of ditches; water runs down road in most areas
Inoperative driveway culvert at Mailbox #190

Remedies Ditch and stone line both sides for 1,500' from Mayo Road intersection
Next 2,000' to Happy Hollow Road, road levels off; ditch and apply
biodegradable matting both sides.
Remainder of road to turnoff (.7 miles): pull in berms; shape shoulders

Robert Parks Road .30 Miles

No significant drainage issues. Regular maintenance.

Robert Parks West Road .10 Miles

No significant drainage issues. Regular maintenance.

Salvas Road .95 Miles

Condition Poor

Notes FEMA / State of Vermont have assigned funds for partial repair (4/2011 storm)
Blocked driveway culvert at #298 & #302
At least a dozen turnouts need attention
Some gravel may be reclaimed

Remedies Ditch and stone line almost entire length on east side
Selectively pull in berms
A short portion at the bottom of road after the first rise: ditch and place matting
A short level portion at top of hill: ditch and place matting

School Street .11 Miles

No significant drainage issues. Regular Maintenance.



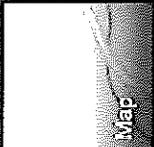
Sign in



Google

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12.5%



Map



B



Barbara



Google

Brush Brook

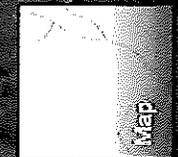
Salvas Rd

Salvas Rd

Salvas Rd

Salvas Rd

Camels Hump Rd



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