



FY17 Vermont Better Roads Grant Application

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

Town/Organization: Bridport Contact Person(s): mike Sunderland
 Address: 284 Short St Bridport 05734
Street Address Town Zip
 Email: bridportdpw@gmail.com Phone: (802) 758 - 2113
 DUNS #: 80-469-2358 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, VTtrans 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 Bridport

Project Name: Market Road Project

Road Name: Market RD TH #: 24 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: Lemon Fair River

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

Roadway has steep slope with no ditch and trees in the way for new ditch to be installed 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):

Remove 70 plus trees and stumps then install ditch and stone line 650' with check dams to slow water on left side of roadway. on the right side of roadway we will be removing large lip to create daylight. Then we will increase gravel 4"

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

Erosion will be eliminated by placing the stone in a proper ditch and daylighting the other side of roadway.



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:

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: Culvert inventory, Start of the Capital budget plan 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.):

Alan MAY, Better Roads Coordinator

Josh Donahedian, RPC

Vermont Agency of Natural Resources watershed Road Risk Ranking map

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 work sheet

Equipment Rental
material cost

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

Labor, 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): 65,679.00

Estimated Completion Date: July 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 Sunderland Title: Foreman

Cost Estimate Worksheet

Town and Road Name:

Project Name:

Labor	Rate	# Hours	Total (Rate x Hours)
Mike Sunderland	20.00 hr	154	3080.00
Dusty Huestis	25.00 hr	168	4200.00
Mike Shieldrick	23.00 hr	168	3864.00
Labor Total			11144.00

Equipment	Rate	# Hours	Total (Rate x Hours)
Grader	100.00	56	5600.00
Loader	90.00	40	3600.00
2010 Mack Tandem	80.00	112	8960.00
2015 Mack Tandem	80.00	112	8960.00
One ton with Hydra Seeder	80.00	16	1280.00
Kubota tractor with chopper	80.00	40	3200.00
Ford 5000 Single AXE with Chloride tank	80.00	2	160.00
Equipment Total			31760.00

Materials	Rate	Amount	Total (Rate x Amount)
3/4" ledge pit	8.55	1260 tons	10773.00
5" Stone	5.75	200 tons	1150.00
3/4" plant mix	7.45	90 tons	670.50
60' x 18" Galv. Steel Culvert	14.55	60 ft	872.00
30' x 24" Galv. Steel Culvert	18.84	30 ft	565.20
Chloride	1.92	1000 gallons	520.00
Hydra Seed mix		\$1000.00	1000.00
Materials Total			15975.70

Miscellaneous	Rate	Amount	Total (Rate x Hours)
Ledge Grader → Pave	200.00 hr	6 hrs	1200.00
Excavate	100.00 hr	5 hrs	500.00
Miscellaneous Total			1680.00

Grand Total 65,679.70
 Match 45,679.70





331.0

0

166.00

331.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere

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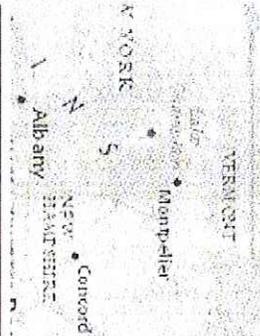
1" = 543 Ft. 1cm = 65 Meters

THIS MAP IS NOT TO BE USED FOR NAVIGATION

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1: 6,518

February 11, 2016

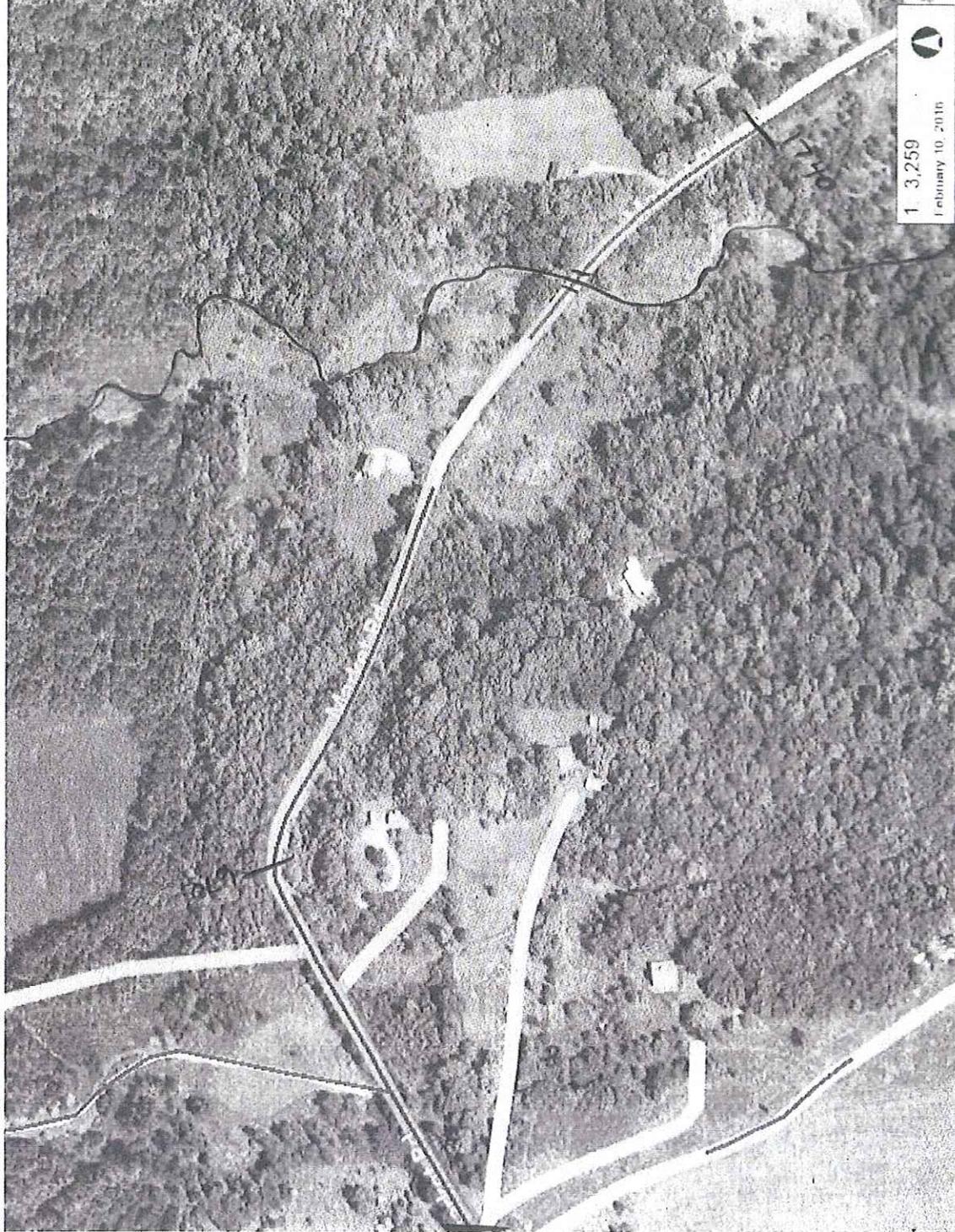


LEGEND

- VT List of Priority Lakes and P.
 - Part B (impaired TMDL, not require)
 - Part D (impaired with approved TM)
 - Part E (altered exotic species)
 - Part F (altered flow regulation)
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 - Part B (impaired TMDL, not require)
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 - Part E (altered exotic species)
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- Road Erosion Risk Ranking
 - Low Risk, 0.5 - 4
 - Moderate Risk, 4.5 - 6
 - High Risk, >= 6.5
- Stream
- Town Boundary

NOTES

Map created using ANR's Natural Resources Atlas



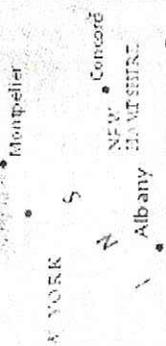
1 3,259
February 10, 2016

166.0 83.00 166.0 Meters

1" = 272 Ft. 1cm = 33 Meters
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Road Erosion Risk Ranking

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- High Risk, >= 6.5

Stream
Town Boundary

NOTES

Map created using ANR's Natural Resources Atlas





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

Re: Bridport Market Road Category "B" Project

Dear Alan,

I am writing to express the Addison County Regional Planning Commission's support of the Town of Bridport's Category B application to the FY17 Vermont Better Roads Grant Program for the correction of a gravel road related erosion problem. Bridport has demonstrated an unmatched commitment to upgrading its transportation infrastructure so as to minimize impacts on water quality, particularly in light of requirements associated with the Municipal Roads General Permit Program to be imposed in the near future. I have no doubt that this project will result in the important water quality benefits that this program strives to achieve, while also helping Bridport build a safer, more resilient transportation system.

Our staff Transportation Planner, Josh Donabedian, has worked closely with Bridport Road Foreman Mike Sunderland in recent months on a Category A Road and Culvert Inventory and Capital Budget Plan. The proposed project was identified by Mike and Josh as a high priority within the town, which is also confirmed by the Vermont Natural Resources Atlas, which assigns the stretch of Market Road to be addressed by the proposed project both "moderate" and "high risk" road erosion risk rankings, indicating its erosion potential during stormwater and other extreme weather events. This project is of particular significance given the steep slope of Market Road leading directly into a tributary approximately one mile from its confluence with the Lemon Fair River.

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 Bridport Town Plan also acknowledges that "[g]ravel roads and driveways are significant contributors of sediment and phosphorus to lakes and streams" (p. 40) and sets forth the policy of requiring "adequate management of stormwater from construction sites, developed lands, roads, drives and parking areas so that surface waters, shorelines and wetlands are not negatively impacted by stormwater discharge" (p. 53).

It is clear that The Town of Bridport understands the connection between its transportation system and potential impacts on water quality. The Town recognizes this as an important opportunity to work 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

