FY17 Vermont Better Roads Grant Application

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

Town/Organization: Town of Bridport Contact Person(s): Mike Sunderland

Address: 284 Shoot St (Street Address) Bridport (Town) 05734 (Zip)

Email: Bridportdpw@gmavT.net 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, 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:

- [x] 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: Mountain Rd Project

Road Name: Mountain Rd TH #: 13 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: Dead Creek

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 has trees in the way for new ditch to be installed. this 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 40 plus trees and Stumps then Installing ditch and Stone line 1,913' with check dams. Also we will be installing, Replacing, upsizing Culverts to Increase Flow. Also we will be widening 323' of Roadway by 8'. Then we will Increase gravel by 4"

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

Erosion will be eliminated by Installing, Replacing, upsizing culvert widening Roadway and placing Stone in ditch, Then Increasing gravel will Help areas daylight

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 Donabedian, RPC
Vermont Agency of Natural Resources Road Risk map

Is the project located in the town "Right of Way?" (Yes) No, Both (if "Both" please explain further).

Will the town road crew complete this work? (Yes) No, Some (if "some" please explain further).

Describe how the grant funds will be spent and/or attach a project budget:

Equipment Rental
material Cost

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

labor, Equipment cost

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

Estimated Total Project Cost (including 20% local match):

Estimated Completion Date: October 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: w/ [illegible] Title: Foreman

Cost Estimate Worksheet

Town and Road Name: **Project Name:**

Labor	Rate	# Hours	Total (Rate x Hours)
mike Sunderland	20.00	180	3,600
Dusty Huestis	25.00	180	4,500
mike Sheldrick	23.00	180	4,140
		Labor Total	12,240

Equipment	Rate	# Hours	Total (Rate x Hours)
brader	100.00	60	6,000
Loader	90.00	40	3,600
2010 mack Tandem	80.00	120	9,600
2015 mack Tandem	80.00	120	9,600
one ton with Hydro Seeder	80.00	16	1,280
Kubota tractor with chipper	80.00	40	3,200
Ford 9000 Single Axle with chloride tank	80.00	2	160.00
		Equipment Total	33,440

Materials	Rate	Amount	Total (Rate x Amount)
3/4" ledge pak	8.55	1550 tons	13,252.50
5" Stone	5.75	300 tons	1,725.00
3/4" plant mix	7.45	180 tons	1,341.00
120' x 18"	14.95	120'	1,794.00
60' x 24"	18.84	60'	1,130.40
chloride	.92	1,000.00 gallons	920.00
Hydro Seed mix	$1000.00	$1000.00	1,000.00
		Materials Total	21,162.90

Miscellaneous	Rate	Amount	Total (Rate x Hours)
ledge grinder	200.00	8	1,600
Excavator	100.00	60	6,000
		Miscellaneous Total	7,600

Grand Total 74,442.90

Match 54,442.90

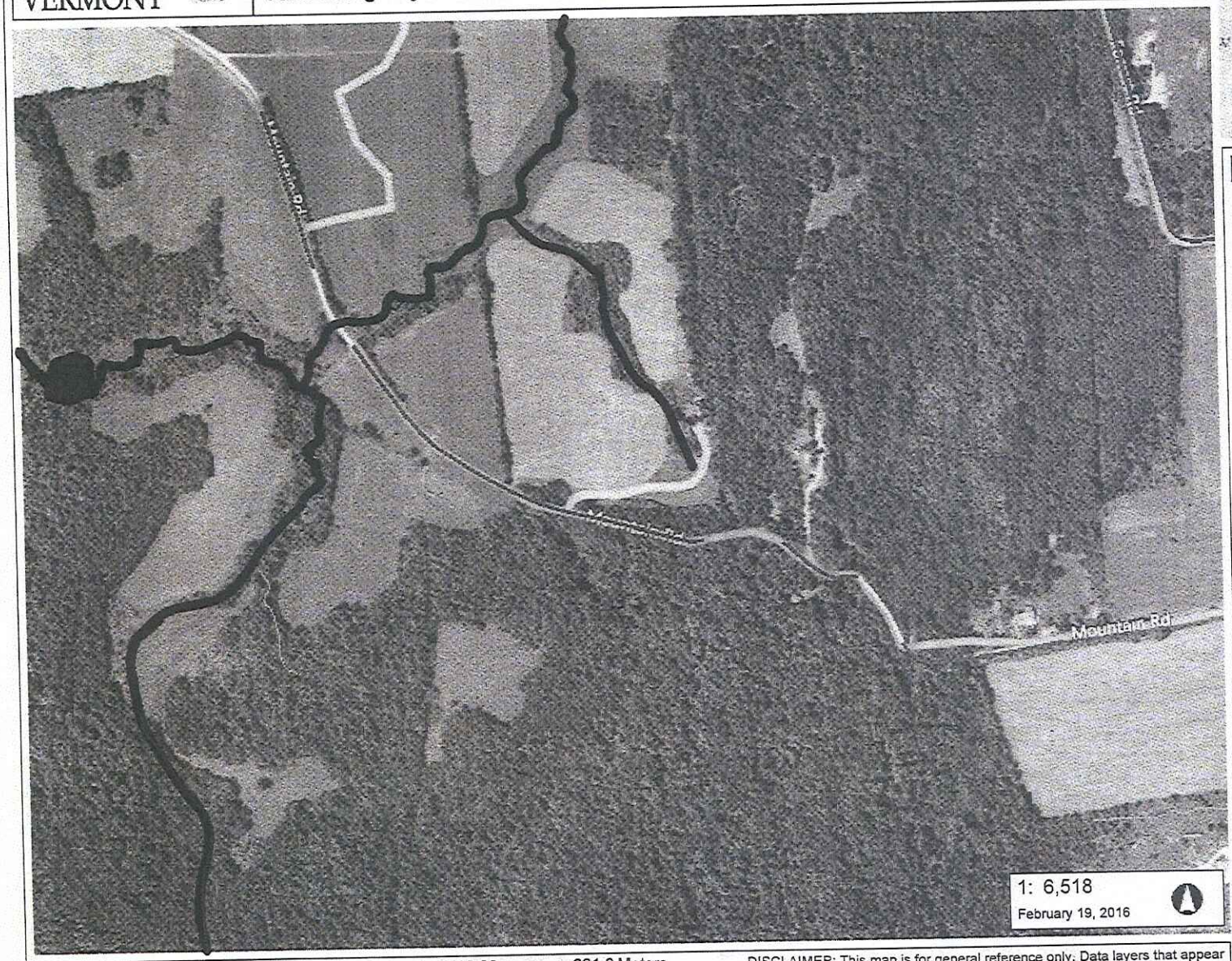
VERMONT

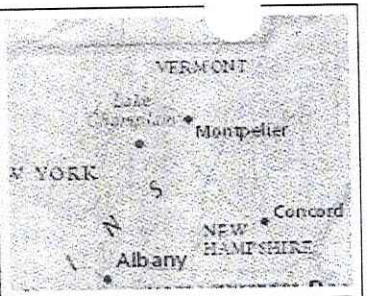
Natural Resources Atlas

Vermont Agency of Natural Resources

2838

vermont.gov





LEGEND

Road Erosion Risk Ranking

- Low Risk, 0.5 - 4
- Moderate Risk, 4.5 - 6
- High Risk, >= 6.5

Waterbody

Stream

Town Boundary

1: 6,518

February 19, 2016

NOTES

Map created using ANR's Natural Resources Atlas

331.0 0 166.00 331.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere

1" = 543 Ft. 1cm = 65 Meters

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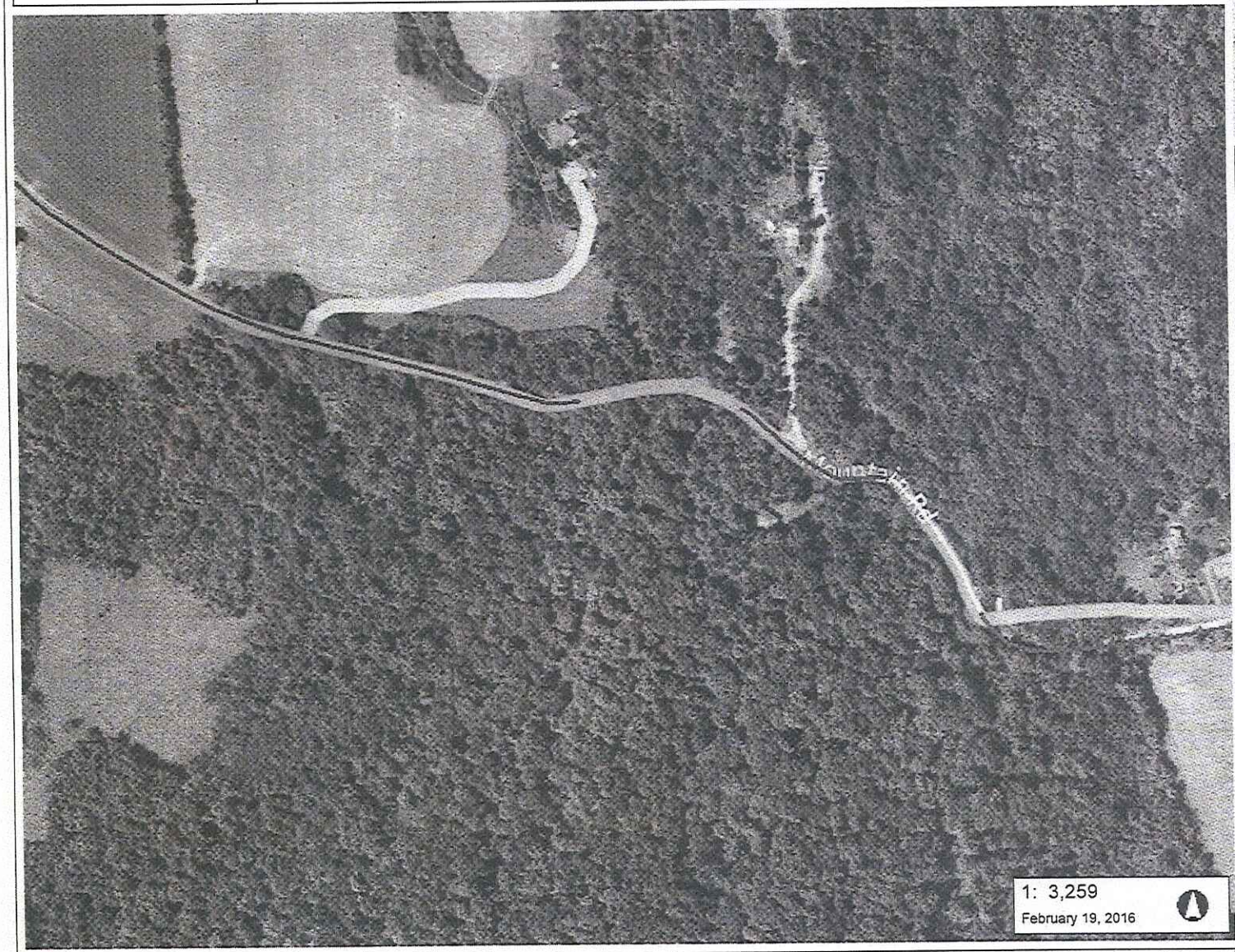
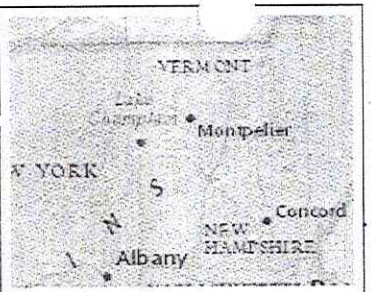
VERMONT

Natural Resources Atlas

Vermont Agency of Natural Resources

vermont.gov





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166.0 0 83.00 166.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere

1" = 272 Ft. 1cm = 33 Meters

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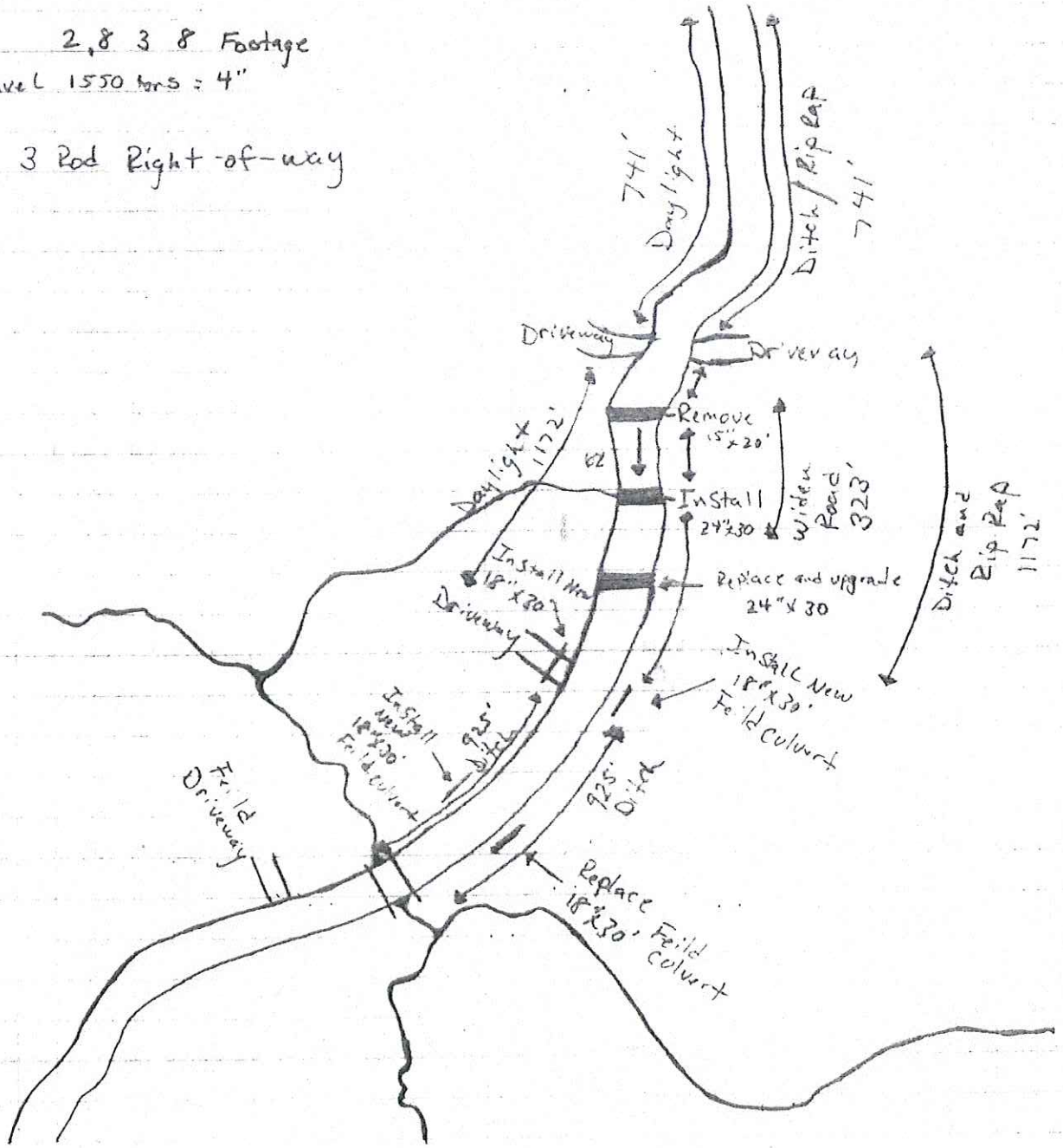
FERGUSON® Waterworks

2,838 Footage

Gravel 1550 tons = 4"

3 Rod Right-of-way



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W. Lebanon, NH: 40 Interchange Dr. 03784 • Tel: (603) 298-5275 • Fax: (603) 298-5943
Raymond, NH: One Chester Road 03077 • Tel: (603) 895-2282 • Fax (603) 895-4254
So. Portland, ME: 94 Pleasant Ave. 04106 • Tel: (207) 767-6239 • Fax (207) 767-6260
Bangor, ME: 284 Perry Rd. 04401 • Tel: (207) 262-3230 • Fax (207) 262-3279

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
Montpelier, VT 05633

Re: Bridport Mountain 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. Along with the Market Road project, this project was also identified as a high priority within the town, which is also confirmed by the Vermont Natural Resources Atlas, which assigns the proposed project area a "moderate" road erosion risk ranking. This project is of particular significance given the status of the four culverts to be addressed by the proposed project; two are in poor condition, two are in critical condition, and all four are either significantly undersized or have sustained substantial damage.

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 protect and 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