



Cover Sheet

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

Town/Organization: ___Town of Bloomfield_____

Primary Contact Person (Responsible for Signing Grant Agreement): __Sam Boudel__

Title: __Selectboard Chair_____

Address: _____PO Box 366_____North Stratford, NH_____03590____
Street Address *Town* *Zip*

Primary Contact Person Email: __townofbloomfieldvt@gmail.com _ Phone: (802) 962 - 5191

SAM unique ID #: _SF95N4K1NX49 _ Fiscal Year End Month (MM):_December_

Town Clerk / Admin email: __Vickie Lucius, townofbloomfieldvt@gmail.com _____

Road Foreman Name: __Michael Belknap__ Road Foreman Email: __skidoovt@aol.com, ilogvt@aol.com__



Vermont Better Roads Grant Program



CATEGORY B/C/D

Please complete one application per project you are applying for.

Please check the Category you are applying for:

- B. Correction of a Road Related Erosion Problem and/or Stormwater Mitigation
- C. Correction of a Stream Bank, Lake Shore or Slope Related Problem
- D. Structure/culvert 36" diameter or greater

Municipality: Town of Bloomfield

Road Name: Spencer Hill Rd TH #: 9 Structure # (if applicable): SHR7

Road Type: Paved or Unpaved (select one) Road Class: 1 2 3 4 (select one)

Please provide a thorough description of the erosion/water quality problem (ex. Roadway has steep slope with no ditch which is causing severe roadway erosion, which outlets into the Lamoille River): An undersized culvert on an unmapped stream in segment 170134 is causing erosion in the stream and posing a risk of a washout. Poorly shaped shoulders, grader berms, and inadequate crowning in all segments are preventing water from escaping the roadway, causing it to run along the road, transporting sediment to the unmapped stream in 170134 and other small waterways in segment 170136. Steep ditch sections lacking stone are eroding in all three segments.

Has the town completed an MRGP compliant road erosion inventory?

- Yes
- No
- In progress

Project Length (linear feet along roadway): 984 ft.

Number of structures/culverts replaced/repared: 1

Average slope of roadway: 0-5% 5-10% >10%

Provide a VERY detailed map of project location showing start and end points: Included

Provide a sketch of project location showing distances and project details: Included



Vermont Better Roads Grant Program



Environmental Concerns:

All projects require a review of potential impacts by our environmental team. To expedite the review process, please check the boxes below that describe existing structures/conditions to be replaced/maintained (if any) and the project description that applies (if any).

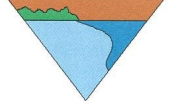
Existing Structures:	
<input checked="" type="checkbox"/> Steel/Plastic Culvert	<input type="checkbox"/> Concrete Box Culvert
<input type="checkbox"/> Stone Culvert – Take pictures	<input type="checkbox"/> Concrete Bridge
<input checked="" type="checkbox"/> Ditch	<input type="checkbox"/> Rolled Beam/Plate Girder Bridge
<input type="checkbox"/> Foundation remains, mill ruins, stone walls, other – Take pictures	<input type="checkbox"/> Stone abutments or piers – Take pictures
<input checked="" type="checkbox"/> Buildings within 300 feet of work - Take pictures	
Project Description:	
<input checked="" type="checkbox"/> New ditches will be established	<input checked="" type="checkbox"/> All work will be completed from the existing road or shoulder
<input type="checkbox"/> Reestablishing existing ditches only	<input checked="" type="checkbox"/> There will be excavation within 300 feet or a river or stream – Take pictures
<input checked="" type="checkbox"/> The structure is being replaced on existing location/alignment	<input type="checkbox"/> Road reclaiming, reconstruction, or widening
<input type="checkbox"/> Excavation within a floodplain – Take pictures	<input type="checkbox"/> Temporary off-road access is required
<input checked="" type="checkbox"/> Tree cutting/clearing – Take pictures	<input type="checkbox"/> The roadway will be realigned

Please describe the project and how it will create a positive water quality benefit (ex. Reshape 500' of ditch and line with 12 inch minus stone, to prevent sediment from entering the Lamoille River at the bottom of the hill):

_In segment 170134, the existing 18" culvert will be upsized to a 36" steel corrugated pipe with stone-stabilized headers to decrease washout likeliness and reduce erosion caused by the culvert constriction. 5" of ¾ inch gravel will be added to all segments to improve the crown, and grader berms will be removed to allow water to be shed as shed flow off the roadway. All shoulders will be reshaped, and ditches will be reestablished and stone lined in sections steeper than 5% grade to prevent erosion in the ditches. Turnouts will be installed to divert water through vegetation before all waterbodies. Some tree removal may be necessary in segment 170134 to establish adequate ditches and proper shoulder shape. __

Please list any professionals or partners that assisted with planning this project (ANR River Management Engineer, Army Corps of Engineers, VTrans staff, Basin Planner, RPC staff, etc.):

___Essex County NRCD_____



Vermont Better Roads Grant Program



Is the project located in the town "Right of Way?" (select one) Yes No Both

Please be aware, Municipalities are required to have an Agreement for Entry & Liability Release for any impacted properties (prior to the start of construction.)



Vermont Better Roads Grant Program



Budget:

Please attach a project budget and confirm below that is attached:

Project budget IS attached

Are you applying to other grant programs to help fund this project? If so, what programs? Please note that Better Roads requires a 20% local match and Better Roads funding may not be used as match for other state or federally funded programs.

Requested Grant Amount:	\$	27,721.08
+		
Local Match:	\$	6,930.27
=		
Total Project Cost:	\$	34,651.35

Requested Grant Amount Max:

\$20,000 Category B

\$40,000 Category C

\$60,000 Category D

See page 6 for more information on calculating match

Estimated Completion Date: October 2024

REQUIRED ATTACHMENTS:

Please use the documentation checklist below to ensure that all of the relevant items regarding your application have been included. **It is preferred that your application is a single PDF file.**

- Grant application cover sheet
- Grant application form, including chart with RSID and MRGP compliance before and after project completion
- 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).
- Detailed Project Location Map
- Sketch of proposed project and erosion control measures or other management practices, including distances in feet
 - o Also show approximate location of town/other right-of-way and/or property lines and limits of work

Photos must be color and clear to see.

- o **Please make sure there are enough photos to get a good idea of the project area**

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:

Name: Samuel J. Berra Title: Chairman

MUST BE TOWN ADMINISTRATOR/MANAGER OR SELECT BOARD CHAIR



Vermont Better Roads Grant Program



Vermont Better Roads Category B/C/D Grant Proposal Scoring Criteria

All applications will be scored on a sliding scale elected by the Better Roads Grant Selection Committee. Road BMP upgrades are considered the highest priority for grant funding when road segments are “hydrologically-connected,” currently “not meeting” MRGP standards, and road slopes are greater than 10%

- 1. Is the project using Best Management Practices (BMPs) that are proven and likely to maximize long term success, such as practices contained within the new VTrans Better Roads Manual and/or VT DEC MRGP Standards?? [maximum 20 points]**
 - The proposed project utilizes appropriate BMPs and has maximized the likelihood of long-term success (16-20 points)
 - The proposed project utilizes some appropriate BMPs but more could be done to increase the likelihood of success (11-15 points)
 - The proposed project does not utilize appropriate BMPs, or it is unclear whether the BMPs will be used appropriately and the likelihood of success is uncertain (0-10 points)

- 2. What are the expected Water Quality Benefits within the watershed? [maximum 25 points]**
 - Project will lead to significant improvements to water quality (21-25 points)
 - Project will lead to moderate improvements to water quality (16-20 points)
 - Project will lead to small improvements to water quality (1-15 points)
 - Project will lead to no obvious improvements to water quality (0 points)

- 3. Is the project in or does stormwater runoff from the project area drain into a hydrologically connected segment? [maximum 20 points]**
 - Yes; the entire project is in connected segment(s) (20 points)
 - Partially; part(s) of the project are in connected segments (5-19 points)
 - No; this project is not in a connected segment (0-5 points)

- 4. Will the project result in full compliance of one or more segments in accordance with the Municipal Roads General Permit (MRGP)? [maximum 25 points]**
 - All segments within the project will be in full compliance (25 points)
 - One or more segments will be in full compliance, with all other segments in partial compliance (11 – 24 points)
 - One or more segments will be a minimum of partial compliance (1- 10 points)
 - Project does not meet compliance or not applicable (does not have hydrologically connected segments) (0 points)

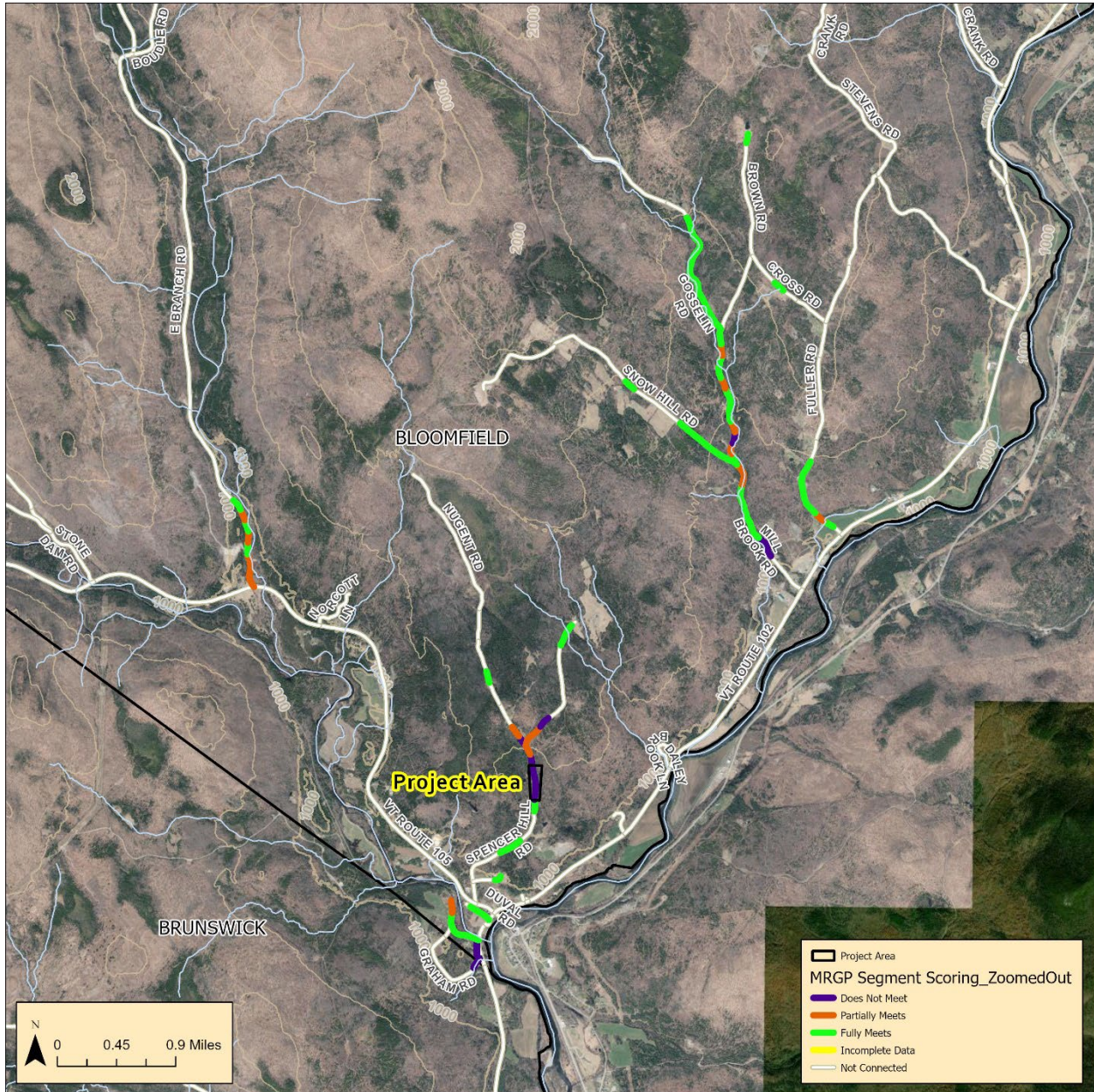
- 5. Is the project cost effective? [maximum 10 points]**
 - The cost of the project is low and the expected benefits are high (8-10 points)
 - The cost of the project is average and the expected benefits are average (5-7 points)
 - The cost of the project is high and the expected benefits are low (0-4 points)



Budget:

Project Budget			
Item	Cost	Qty	Total
Materials			
3/4" crushed gravel	\$10/T	532	\$5,320.00
6" minus - 3 turnouts	\$17.35/T	14	\$242.90
6" minus - ditch stone (819')	\$17.35/T	127	\$2,203.45
3'x60' steel culvert	\$11,250.00 total	1	\$11,250.00
Stone hauling	\$115/hr/20T load	34	\$3,910.00
Equipment			
Excavator & operator	\$135/hr	68	\$9,180.00
Grader & operator	\$90/hr	7	\$630.00
Trucking removing road & ditch material	\$85/hr	19	\$1,615.00
Hydroseeder	\$300/day	1	\$300.00
Total			\$34,651.35

Project Location:



Project Area Map:



Photos:



A culvert on a perennial stream in segment 170134 is undersized, posing a risk of washing out and causing erosion downstream.



Steep segments in segment 170133 lack stone lining in ditches, causing erosion.



Road shoulders in all segments are above the surface of the road, requiring reshaping to shed water as sheet flow. The road surface is not crowned enough to shed water effectively.



Shallow ditches need to be reestablished in segment 170135 and 170136. Precautions will be taken to not spread the knotweed present.



Steep ditch segments in segment 170134 require stone lining.



Steep ditch segments in segments 170135 and 170136 require stone lining.



Tree removal may be required in segment 170134