

Cover Sheet

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

Town/Organization: ___Town of East Haven_____

Primary Contact Person (Responsible for Signing Grant Agreement): ___Kirwin Flanders_____

Title: ___Selectboard Chair_____

Address: _____ 64 Community Bldg Rd _____ East Haven _____ 05837 _____
Street Address *Town* *Zip*

Primary Contact Person Email: ___TClerk1790@gmail.com_ Phone: (802) 467 - 3772

SAM unique ID #: DSP9VVSRRNA8 Fiscal Year End Month (MM): December

Town Clerk / Admin email: ___Kerri Fillion, TClerk1790@gmail.com_____

Road Foreman Name: ___Roddy Lloyd___ Road Foreman Email: ___ TClerk1790@gmail.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 East Haven__

Road Name: __Lost Nation Rd, Jack Brook Rd__ TH #: __13,21__ Structure # (if applicable): __73__

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):

__Water is running down the road surface in all segments (127129, 127130, 127131, 127133, 116356) on Lost Nation and Jack Brook Rd, eroding the road surface and transporting sediment to Jack Brook and two unnamed streams. A culvert passing an unnamed stream in segment 127129 is undersized, leading to in-stream erosion and posing a risk of a road washout. The ditch in segment 116356 is not stabilized with stone, resulting in higher water speeds and in-ditch erosion. Inadequate crown, grader berms, and raised shoulders prevents water from escaping the road surface in all segments. Ditches are not properly shaped to transport water without erosion. In addition, a driveway in segment 127129 does not have a cross-culvert, resulting in additional flow onto the road and erosion across the driveway. __

Has the town completed an MRGP compliant road erosion inventory?

Yes No In progress

Project Length (linear feet along roadway): __1640__ ft.

Number of structures/culverts replaced/repared: _____

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

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

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

The town strongly prefers the funding of this application if both applications from the town this grant cycle cannot be funded.



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***In order to “Fully Meet” the standards the road segment must have proper crown, removal of shoulder berms, proper ditching, proper conveyance and no erosion present at culvert inlets and outlets.**

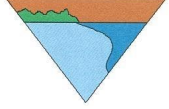
Environmental Concerns:

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	No picture available, all buildings >75’ off rd
Project Description:	
<input type="checkbox"/> New ditches will be established	<input checked="" type="checkbox"/> All work will be completed from the existing road or shoulder
<input checked="" 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 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):

__Ditches will be reestablished in all segments (127129, 127130, 127131, 127133, 116356, M185973, M185974, M185975), and check dams will be installed in segment 116356, M185973, M185974, and M185975. In segment 127129 the culvert passing an unnamed stream will be upsized to 36” and a culvert will be installed at a private road entrance. Shoulders will be reshaped and grader berms will be



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removed throughout to allow the shedding of water as sheet flow. 6 inches of ¾ inch gravel will be added to segments 127129, 127130, 127131, 127133, and 116356, and 2 inches of ¾ inch gravel will be added to segments M185973, M185974, and M185975 to improve crowning to shed water evenly. Turnouts will be established at all stream crossings where they aren't already present to ensure water enters the brook through vegetation, and all culvert headers will be stabilized with stone. ___

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___

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.)



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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. No

Requested Grant Amount:	\$ <u>47,440.12</u>
+	
Local Match:	\$ <u>11,860.03</u>
=	
Total Project Cost:	\$ <u>59,300.12</u>

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
 - 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.**
 - **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: Kristin Flanders

Title: Select Board Chair

MUST BE TOWN ADMINISTRATOR/MANAGER OR SELECT BOARD CHAIR

12/15/2023



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]

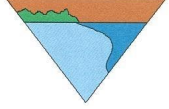
- Yes; the entire project is in connected segment(s) (20 points)
- Partially; part(s) of the project are in connected segments (5-19 points)
- No; this project is not in a connected segment (0-5 points)

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)



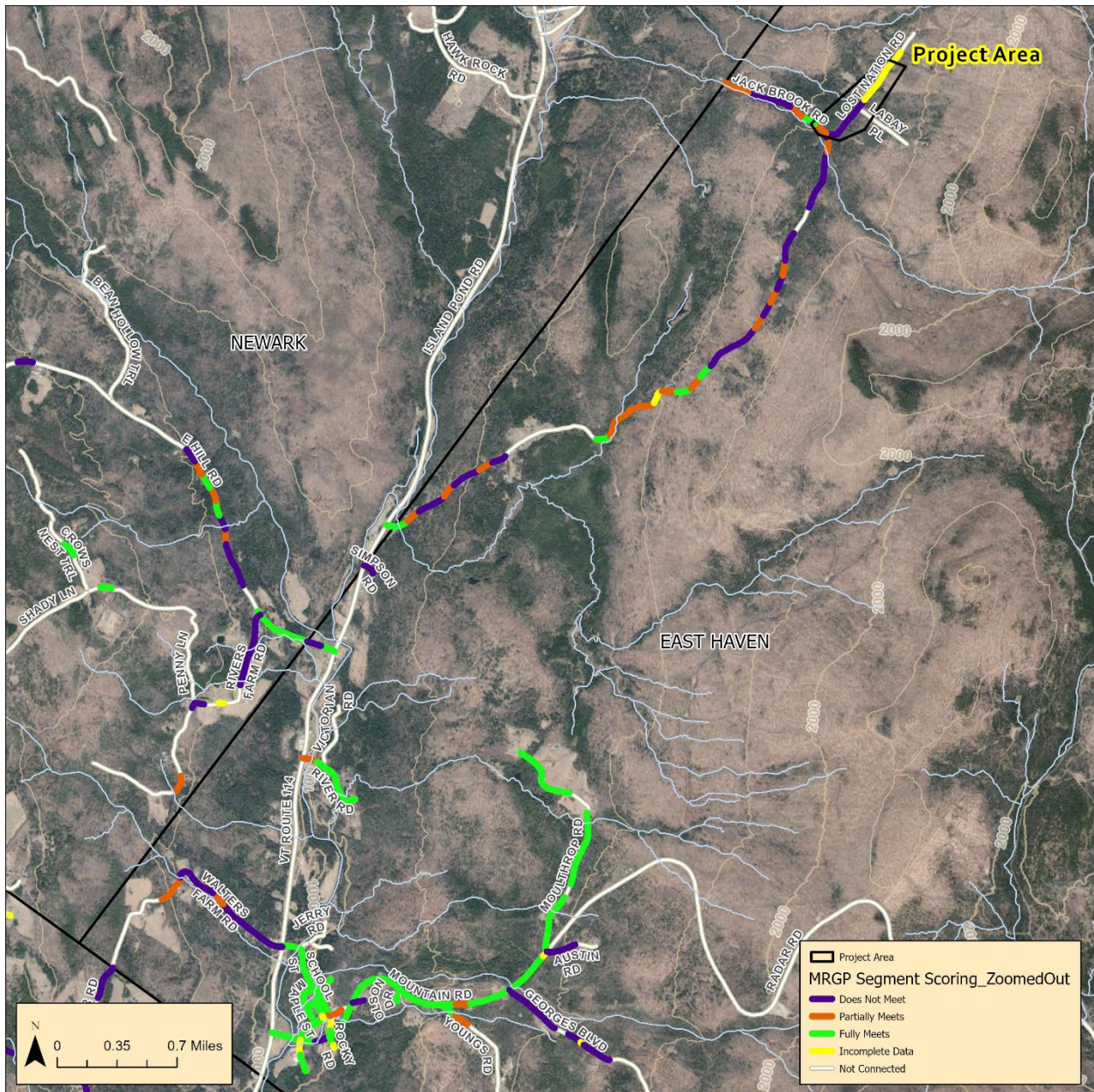
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Budget:

Project Budget			
Item	Cost	Qty	Total
Materials			
3/4" crushed gravel	\$10/T	1276	\$12,760.00
12" minus - turnouts, check dams	\$17.35/T	49	\$850.15
3'x50' & 1.5'x30' steel culvert	\$11,400.00 total	1	\$11,400.00
Stone hauling	\$115/hr/20T load	66	\$7,590.00
Equipment			
Excavator & operator	\$135/hr	154	\$20,790.00
Grader & operator	\$90/hr	17	\$1,530.00
Trucking removing road & ditch material	\$85/hr	48	\$4,080.00
Hydroseeder	\$300/day	1	\$300.00
Total			\$59,300.15
Town contribution			\$11,860.03
Grant funding requested			\$47,440.12

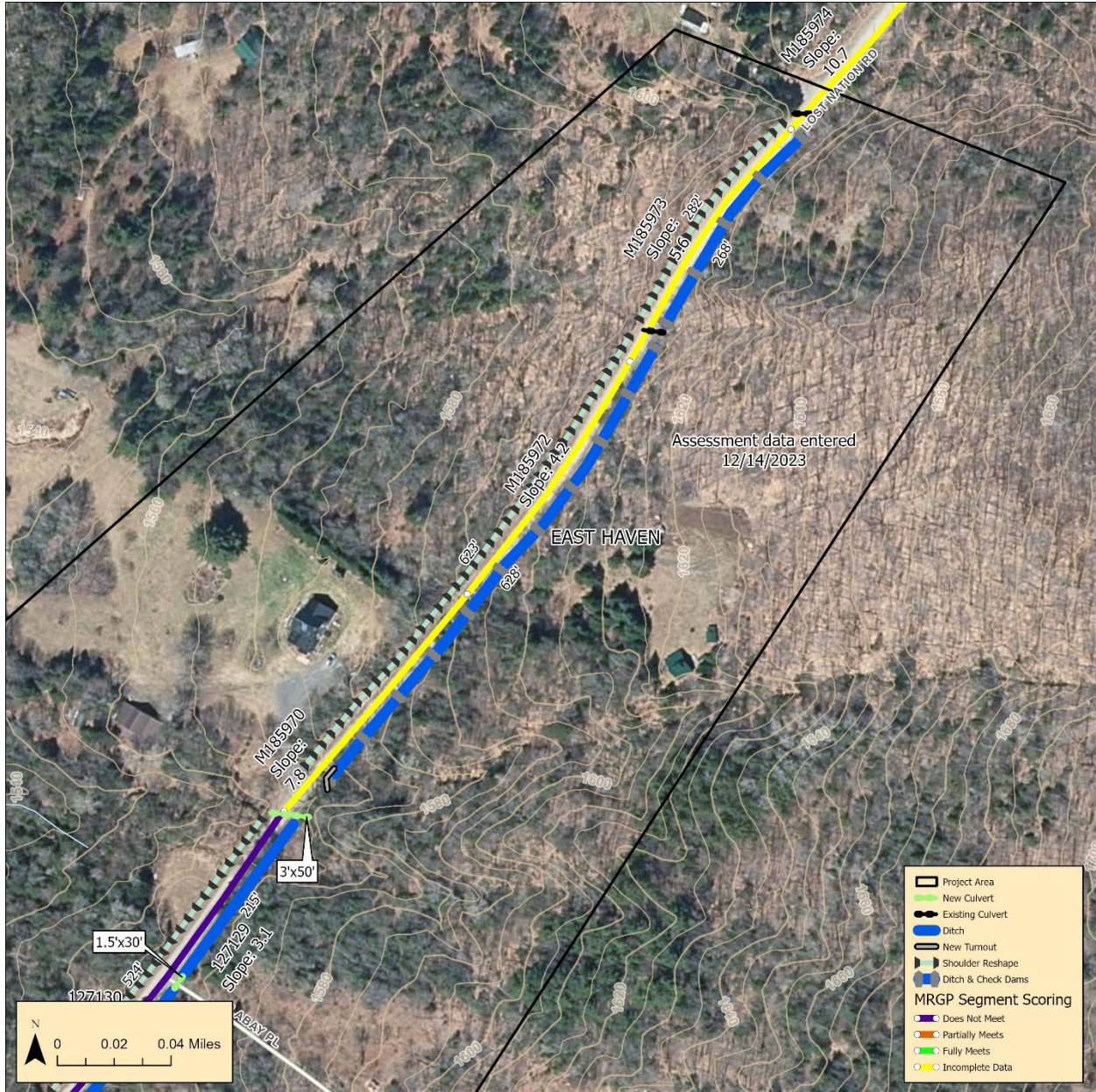
Project Location:



Project Area Maps:







Photos:



Figure 5: Segment 127132 – Erosion issues and proximity of perennial looking North from intersection.



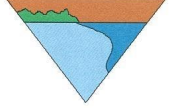
Figure 6: Segment 127131 – Corner - looking North from Intersection – erosion continues.



In segment 127131 poor crown prevents water from reaching the ditch. The ditch must be reshaped and reseeded to prevent erosion.



In segment 127132 poor crown prevents water from reaching the ditch. This ditch was reshaped and stone lined in 2023 due to storm damage.



All segments have grader berms and poorly shaped shoulders, causing rill erosion.



The culvert in segment 127132 was upsized using town funding after failing during the summer 2023 flooding.

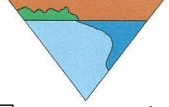
Questions and Technical Assistance

For questions regarding this application, general program related questions or for technical assistance please contact Alan May (802) 828-4585.

For questions related to projects affecting rivers and streams please contact the Agency of Natural Resources, River Management Engineers:

- Chris Brunelle, Northwest VT (802) 777-5328 or Chris.brunelle@vermont.gov
- Scott Jensen, Southeast VT (802) 490-6962 or Scott.jensen@vermont.gov
- Jaron Borg, Central VT & Northeast (802) 371-8342 or Jaron.borg@vermont.gov
- Josh Carvajal, Southwest VT (802)490-6163 or Joshua.carvajal@vermont.gov

For questions related to the Municipal Roads General Permit, please contact Evelyn Boardman, Municipal Roads Program Coordinator. (802) 636-7396 or Evelyn.boardman@vermont.gov



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- Restores habitat (including aquatic organism passage)
- No additional benefits
- Further restricts or impacts the stream

Thank you for your consideration,

Signature

Comments: