



FY2025 Vermont Better Roads Grant Program

Cover Sheet

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

Town/Organization: Shaftsbury

Primary Contact Person (Responsible for Signing Grant Agreement): Mike Yannotti

Title: Road Foreman

Address: P.O. Box 409, Shaftsbury, VT 05262

Primary Contact Person Email: dpw@shaftsburyvt.gov Phone: 802-379-1547

SAM unique ID #: DKZMSLWL4UP9 Fiscal Year End Month (MM):06

Town Clerk / Admin email: administrator@shaftsburyvt.gov

Road Foreman Name: Mike Yannotti Road Foreman Email: dpw@shaftsburyvt.gov



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: Shaftsbury, VT

Road Name: Daniels Rd, Glastenview Dr TH #:TH44, TH25

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. This project was identified as a high priority project in the Shaftsbury Storm Water Master Plan. These road segments are hydrologically connected and do not currently meet the MRGP BMP standards. Extreme stormwater runoff from these steep grades is eroding the inlets and outlets of several cross culverts and creating gullies in the existing ditches. Large amounts of sediment are being transported into a nearby wetland which feeds Paran Creek, a major tributary to the Walloomsac River. The 24-inch drainage culvert at the intersection of Daniels Road and Glastenview Drive will be upgraded in size to 36 inches to better handle the storm water flows. The damaged 18-inch drainage culvert with collapsed headers on Daniels Road will be upgraded to a 24-inch culvert. One undersized driveway culvert in poor condition on Glastenview Drive will be upgraded to an 18-inch culvert. Upgrading these three culverts to larger sizes will alleviate the extreme fire house effects that are severely eroding the existing unlined ditches. In total, 500 feet of existing ditches will be reshaped and stabilized with 12-inch minus stone.

Has the town completed an MRGP compliant road erosion inventory?

Yes No In progress

Project Length (linear feet along roadway): 750 ft.

Number of structures/culverts replaced/repared: 4

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

Please provide the Road Segment ID (RSID) for your project. If several, please list all. In addition to the RSID please indicate what the resulting rating of each segment before construction as well as after



Vermont Better Roads Grant Program



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 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 checked="" type="checkbox"/> Reestablishing existing ditches only	<input 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 . Reshape 500 feet of ditch and line with 12 inch minus stone, upgrade one undersized and damaged driveway culvert on Glastenview Drive, upgrade and rebuild headers on two drainage culverts on Glastenview Drive and Daniels Road to prevent extreme amounts of sediment from entering a wetland which drains into Paran Creek, a major tributary of the Walloomsac River.

Please list any professionals or partners that assisted with planning this project

Jim Henderson, BCRC Environmental Program Manager

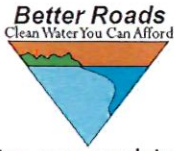
Is the project located in the town "Right of Way? (select one) Yes No Both

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

Budget:

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

Project budget IS attached



Vermont Better Roads Grant Program



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:	\$ 20,000	Requested Grant Amount Max: \$20,000 Category B \$40,000 Category C \$60,000 Category D
+		
Local Match:	\$ 13,500	
=		
Total Project Cost:	\$ 33,500	See page 6 for more information on calculating match

Estimated Completion Date: 12/30/2025

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: *Mike J...* Title: Road Foreman

MUST BE TOWN ADMINISTRATOR/MANAGER OR SELECT BOARD CHAIR



Vermont Better Roads Grant Program



River Management Engineer Support Letter

I am providing this letter of support to the Town/City/Village of SHAFTSBURY for their Better Roads grant application on DANIELS ROAD, which will have an impact on

Mile Marker, Road Name/TH Number

TRIBUTARY TO PARAN CREEK

Name of River/Stream

Stream Alteration Permit Required for this project: Yes No

Upon review of the site, I have determined that the proposed project is eligible for a Stream Alteration Permit. Additionally, if this project is constructed according to the recommendations described below (see Comments), the following stream equilibrium and connectivity benefits will be achieved:

- Restores or enhances floodplain/access to floodplain
 - Restores or enhances natural channel dimensions
 - Establishes tree/shrub buffer
 - Restores habitat (including aquatic organism passage)
 - No additional benefits
 - Further restricts or impacts the stream
- * culverts sized for compliance with MRGP standards

Thank you for your consideration,

Signature

Joshua Carvajal, RME

Comments:



210 South Street, Suite 6 - Bennington, VT 05201 - (802) 442-0713

Alan May

December 13, 2023

Vermont Better Roads Program

Dear Alan,

Please accept this letter of support for Shaftsbury's FY2025 Better Roads Category B application to upgrade three undersized culverts, rebuild culvert headers and stabilize 5000 feet of severely eroded ditches with 12-inch minus stone on Daniels Road and Glastenvue Drive in Shaftsbury, Vermont. In 2019 Fitzgerald Environmental produced The Shaftsbury Storm Water Master Plan which identified this as a high priority project due to the extreme amounts of stormwater draining these steep roads and contributing vast amounts of sediment to a wetland which drains into Paran Creek. I have recently visited the site with the Shaftsbury Road Foreman and completed a MRGP reassessment of these road segments. With the approval of the Town of Shaftsbury I added one segment of Daniels Road to the inventory of hydrologically connected roads due to their steepness and obvious contribution to the stormwater erosion issues present. This project will bring these road segments into compliance with the MRGP and prevent sedimentation from entering Paran Creek, a major tributary of the Walloomsac River. Thank you.

Sincerely,

A handwritten signature in cursive script that reads "Jim Henderson".

Jim Henderson, BCRC Environmental Program Manager

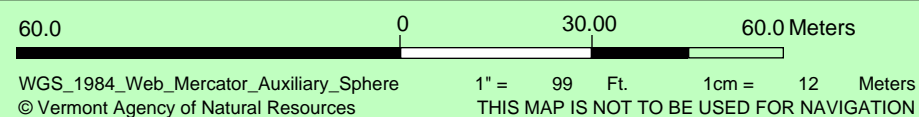


LEGEND	
	MRGP Segment Scoring: Does Not Meet
	MRGP Segment Scoring: Partially Meets
	MRGP Segment Scoring: Fully Meets
	MRGP Segment Scoring: Incomplete Data
	Closed Drainage
	Not Connected; Not Town Highway
	Parcels (standardized)

NOTES

This grant will address a high priority site in the Shaftsbury Stormwater Master Plan by replacing three undersized culverts and installing new stone-lined ditches.

1: 1,186
December 13, 2023



DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. ANR and the State of Vermont make no representations of any kind, including but not limited to, the warranties of merchantability, or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.



Figure 1 Segment 102860 Culvert Before



Figure 2 102860 Driveway Culvert and Ditch Before



Figure 3 Segment 30793 Culvert Before



Figure 4 Segment 30793 Ditch 1 Before



Figure 5 Segment 30793 Ditch 2 Before



Figure 6 Segment 30794 Ditch Before