



### **Cover Sheet**

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

Town/Organization: Reading Vermont

Primary Contact Person (Responsible for Signing Grant Agreement): Robert Allen

Title: Selectman

Address:

799 Route 106

Reading Vermont

05062

Street Address

Town

Zip

Primary Contact Person Email: rkallen@myfairpoint.net Phone: (802) 296 - 1124

SAM unique ID #: 042797035 Fiscal Year End Month (MM): 06

Town Clerk / Admin email: townclerk@readingvt.net

Road Foreman Name: Glen Towne

Road Foreman Email: readingpublicworks@gmail.com



Please check the Category you are applying for:

## Vermont Better Roads Grant Program



### **CATEGORY B/C/D**

Please complete one application per project you are applying for.

<ul> <li>B. Correction of a Road Related Erosion Problem and/or Stormwater Mitigation</li> <li>C. Correction of a Stream Bank, Lake Shore or Slope Related Problem</li> </ul>
□ D. Structure/culvert 36" diameter or greater
Municipality: Reading
Road Name: Twenty Mile Stream TH #: 3 Structure # (if applicable):
Road Type: Unpaved Road Class: 2
Please provide a thorough description of the erosion/water quality problem;
Twenty Mile Stream, TH #3, is a Class 2 gravel Town highway and has one fairly steep section
approximately $\frac{1}{2}$ mile long that has washed out in places 3 times this year, once on July $10^{th}$ again on July
21 <sup>st</sup> and some minor washouts on December 18 <sup>th</sup> . The entire section is about 2600′ long and should be
stone lined, with check dams installed with settling areas located at the outlet of the culverts. It is our
plan to by cleaning the inlets and outlets of the culverts and adding one additional culvert. In addition, w
will realign one culvert as it has a 90 degree turn to get water into it. New headers will be added to two
existing culverts. It is our intent to get the culvert work done by Town Employees before we contract the
ditch work to a contractor. We will start at the top of the hill at the end of segment 189136 and stone lin
and add check dams as far as money will allow. Depending on budgets this may end up being a multi-year
project. See Cost Estimate Worksheet.
Has the town completed an MRGP compliant road erosion inventory?  ✓ Yes ☐ No ☐ In progress
Project Length;  Number of structures/culverts replaced/repaired: 2 culverts to be re-aligned and 1 culvert to be added.  Average slope of roadway:
Provide a VERY detailed map of project location showing start and end points:  Provide a sketch of project location showing distances and project details:





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 construction in accordance with the MRGP.\* (i.e., Fully Meets Standard, Partially Meets, Does Not Meet) For assistance, please contact Better Roads Staff (802)828-4585.

RSID	Hydrologically Connected?		Pre-construction MRGP Conformance			Post-construction MRGP Conformance		
	Yes	No	Fully Meets	Partially Meets	Does Not Meet	Fully Meets	Partially Meets	Does Not Meet
189130	x			x		X		
189131	Х			х		Х		
189132	х				x	X		
189133	Х				x	Х		
189134	Х				x	Х		
189135	Х				x	Х		
189136	Х				Х	Х		
				901				







\*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 Stru	uctures:
Steel/Plastic Culvert	Concrete Box Culvert
Stone Culvert – Take pictures	☐ Concrete Bridge
	Rolled Beam/Plate Girder Bridge
Foundation remains, mill ruins, stone walls, other – Take pictures	Stone abutments or piers – Take pictures
Buildings within 300 feet of work - Take pictures	
	escription:
New ditches will be established	All work will be completed from the existing road or shoulder
Reestablishing existing ditches only	There will be excavation within 300 feet or a river or stream – Take pictures
The structure is being replaced on existing location/alignment	Road reclaiming, reconstruction, or widening
Excavation within a floodplain – Take pictures	☐ Temporary off-road access is required
Tree cutting/clearing — Take pictures	☐ The roadway will be realigned
Please describe the project and how it will create a positive and stone line the ditches on both sides of the road in new large culvert at the bottom of the project. There are a concan be done, however most of the project will involve stone additional culvert will discharge into a wooded area allow the ditch and into the Twenty Mile Stream which ultimate	arly every segment from the top of the hill to the uple areas in a couple segments where sheeting one lining with check dams. All culverts and the ving the water to disperse rather than flow down
Please list any professionals or partners that assisted with	planning this project;
Mount Ascutney Regional Commission (MARC)	
Is the project located in the town "Right of Way? (select of Please be aware, Municipalities are required to have an Ampacted properties (prior to the start of construction.)	





#### **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% <u>local</u> match and Better Roads funding may not be used as match for other state or federally funded programs.

**Requested Grant Amount:** 

\$20,000.00

Requested Grant Amount Max:

+

.....

\$20,000 Category B \$40,000 Category C

Local Match:

\$ 5,000.00

\$60,000 Category D

**Total Project Cost:** 

\$ 25,000.00

See page 6 for more information on calculating match

Estimated Completion Date: Sept 30, 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: Robert K. Allew Title: Selectman

MUST BE TOWN ADMINISTRATOR/MANAGER OR SELECT BOARD CHAIR





### 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%

- 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 longterm 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)
  - o Project will lead to moderate improvements to water quality (16-20 points)
  - o Project will lead to small improvements to water quality (1-15 points)
  - Project will lead to no obvious improvements to water quality (0 points)
- 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)
  - o 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]
  - o 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)





#### **Cost Estimate Worksheet**

abor	Rate	# Hours	Total (Rate x Hours)
GLEN TOWNE (FOREMAN)	\$ 29,00/hR	20	\$ 580.00
MARK BIATHROW	\$ 26.00/42	20	520.00
SLOTT MILLER	# 25, DO/HE	20	\$ 500.00
		Labor Tot	al & 1,400.00
Equipment	Rate	# Hours	Total (Rate x Hours)
SMALL EXPAYATOR	\$ 150.00 DAY	2 Days	\$ 300.00
6 WHEEL DUMP TRUCK	\$ 52.96/HR	20 HRS	\$ 1.059.20
4x2 19/4 TON PICKUP	\$1 21.94/HR	20 HRS	\$ 438.80
		Equipment Tot	al \$1,798.00
Materials	Rate	Amount	Total (Rate x Amount
18" x 40' LONG HPRE CULYERT	28.29/FT	40. LONG	\$ 1,131,60
REINFORCED CONCRETE HEADWALLS	\$1650/ EA	3	1,950.00
·			
		Materials Tot	al 3.081.60
Miscellaneous	Rate	Amount	Total (Rate x Hours)
SEE ATTACHED QUOTE FOR DITCH WORK			\$ 39,180.00

Please Note; It is likely that we will have to break the contracted

Ditch work up into a 2-year project.

This would result in:

Contracted work at \$19,590.00

Town work of

\$6,479.60

**Grand Total** 

\$26,069.60

Grand Total 45, 659.60

Match 25, 659, 00

#### **Bob Allen**

From:

wade.mcallister@ferguson.com

Sent:

Wednesday, November 29, 2023 10:45 AM

To:

rkallen@myfairpoint.net

Subject:

Specs and pricing from Ferguson Waterworks

Attachments:

HP Storm Brochure 2023.pdf

Hi Bob,

For the Town:

12x20 Gray culvert \$13.90/foot \$278/20 foot piece 15x20 Gray culvert \$19.81/foot \$396.20/20 foot piece ★ 18x20 Gray culvert \$28.29/foot \$565.80/20 foot piece 24x20 Gray culvert \$46.82/foot \$936.40/20 foot piece

For you:

12x20 DW (least expensive)

\$13.76/foot

\$275.13/20 foot piece

8x20 IB

\$10.36/foot

\$207.20/20 foot piece

Please see the attached for the ADS specification submittals.

Thank you

Wade C. McAllister Sales Support Representative Ferguson Enterprises, Inc

40 Interchange Dr.

W. Lebanon, NH 03784

O: (603) 403-5312 M: (603) 298-5275

E: wade.mcallister@ferguson.com



Date: 12/28/23

To: Town of Reading Select Board

Subject: 20 Mile Stream Road ditch stone

From: Waters Excavation, Inc.

To whom it may concern,

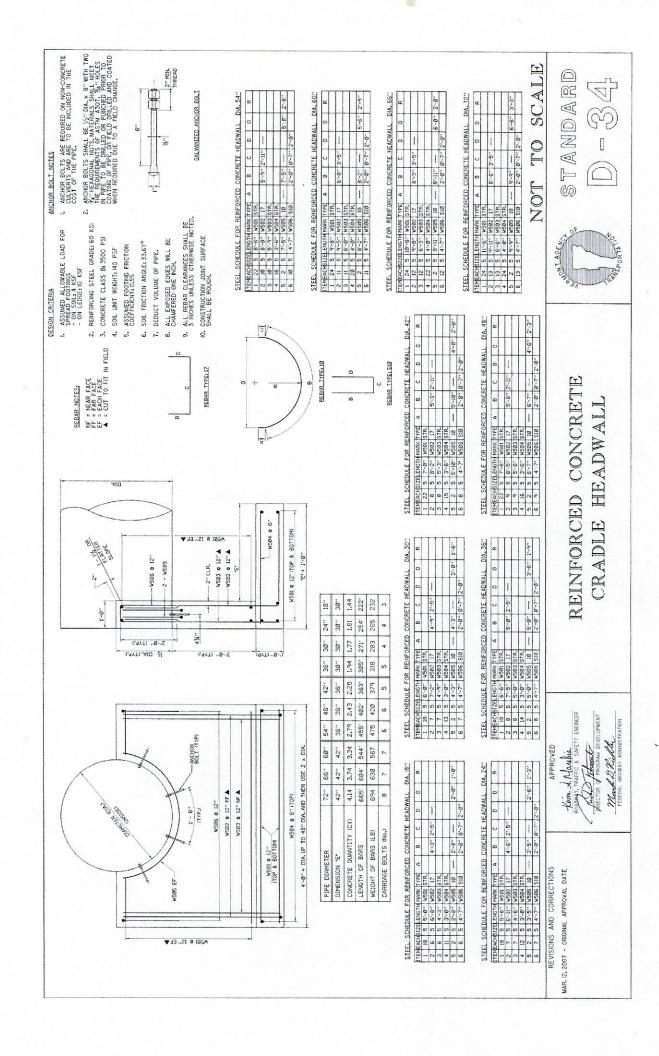
714 CY Type 1 ditch stone - \$14280.00 120 HR Tri-axle Dump Truck - \$15,000.00 60 HR Wheel Excavator - \$9,900.00 Total \$39,180.00

Thank you.

Signed,

Matthew Waters

Matthew Waters
President of Waters Excavation, Inc.







## 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

# **Project Completion Requirements**

#### Categories B, C, and D

- 1. Submit a Municipal Invoicing Spreadsheet (available on the Better Roads website): <a href="http://vtrans.vermont.gov/highway/better-roads">http://vtrans.vermont.gov/highway/better-roads</a>).
- 2. Four color photos of, during (2 photos) and after (2 photos) the project.
- 3. Copies of invoices/receipts and time sheets to document expenses and local match.