



Cover Sheet

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

Town/Organization: Waterville

Primary Contact Person (Responsible for Signing Grant Agreement): Jay Marsh

Title: Selectboard Chair

Address: 850 VT Route 109, Waterville, VT 05492

Street Address

Town

Zip

Primary Contact Person Email: townofwaterville@myfairpoint.net Phone: (802)644 - 2037

SAM unique ID #: GYQNDRBEK8S8 Fiscal Year End Month (MM):December

Town Clerk / Admin email: townofwaterville@myfairpoint.net

Road Foreman Name: Hunter Locke Road Foreman Email: hunterlocke1995@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: Waterville

Road Name: Maxfield Rd/Smithville Rd TH #: 9 & 7 Structure # (if applicable): _____

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):

Six segments of Maxfield Rd and six segments of Smithville Rd were identified to be out of compliance with the MRGP. Inadequate ditching, shoulder berm, and undersized culverts allows for erosion during rain events. This erosion drains directly into the North Branch of the Lamoille River.

Has the town completed an MRGP compliant road erosion inventory?

- Yes
- No
- In progress

Project Length (linear feet along roadway): 3937 ft.

Number of structures/culverts replaced/repared: 6

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



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
131137	X		X			X		
131138	X		X			X		
131139	<input type="checkbox"/>		Not Originally Inventoried			X		
131140	<input type="checkbox"/>		Not Originally Inventoried			X		
131141	<input type="checkbox"/>		Not Originally Inventoried			X		
131142	<input type="checkbox"/>		Not Originally Inventoried			X		
168827	X			X		X		
168844	X				X	X		
168845	X				X	X		
168846	X				X	X		
168847	X			X		X		
168848						X		

*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:



Vermont Better Roads Grant Program



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 type="checkbox"/> Buildings within 300 feet of work - Take pictures	
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):

Shoulder Berm will be removed where present and grass ditching will be reestablished on West side of Maxfield Rd and South side of Smithville Rd. Roughly 1968 feet of ditching will be reshaped to prevent sedimentation into the Lamoille River. Two drainage culverts and two driveway culverts will be replaced and upsized on Maxfield Rd. Two drainage culverts will be replaced and upsized on Smithville Rd. All culverts will be installed with stone headers on both sides with splashpads where needed.

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.):

RPC Staff were involved in pre-construction site visits, project selection, and application development.

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:	\$ 20,000.00
+	
Local Match:	\$ 23,707.00
=	
Total Project Cost:	\$ 43,707.00

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: June 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
 - 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: Jay Manly Title: Selectboard Chair
MUST BE TOWN ADMINISTRATOR/MANAGER OR SELECT BOARD CHAIR

Cost Estimate Worksheet

Town and Road Name: Waterville Smithville/Max Field Rd

Project Name: Smithville Max Field

Labor	Rate	# Hours	Total (Rate x Hours)
1 Laborer	\$75.00	48	\$3,600
Labor Total			\$3,600

Equipment	Rate	# Hours	Total (Rate x Hours)
Excavator	\$160.00	112	\$17,920
Dump Truck	\$115.00	64	\$7,360
Tractor	\$95.00	6	\$570
Skid Steer	\$100.00		\$1,600
Equipment Total			\$27,450

Materials	Rate	Amount	Total (Rate x Amount)
15" gray culvert	\$30.89	30'	\$926.70
18" gray culvert	\$32.33	110'	\$3,556.30
24" gray culvert	\$53.51	80'	\$4,280.80
6" minus ditch stone	\$22.50 per yard	16 yards	\$360.00
Crushed gravel	\$26.54 per yard	80 yards	\$2,123.20
Seed/mulch erosion control	lump sum	\$850.00	\$850.00
Materials Total			\$12,097

Miscellaneous	Rate	Amount	Total (Rate x Hours)
Mob/Derrick	140.00	4	\$560.00
Miscellaneous Total			\$560.00

Grand Total \$43,707

Match \$23,707.00

Layers

Atlas Layers

Filter Layers... Filter

- VP Atlas - Vernal Pools
- Stormwater
 - Stormwater Permits (Issued)
 - Stormwater Permits (Pending)
 - Small MS4 (Municipal Separate Storm Sewer Systems) Area
- Stormwater Infrastructure
 - MRGP Outlet Scoring
 - MRGP Outlet Second Cycle Progress
 - MRGP Hydrologically connected outlets
 - MRGP Segment Scoring
 - MRGP Segment Priority
 - MRGP Hydrologically connected road segments
 - MRGP Segment Second Cycle Progress
 - Stormwater Impaired
- Rivers



Estimated Start of Project

Estimated End of Project

MRGP Road Segment Scoring

2 of 2

☆ MRGP Road Segment Scoring

Fully Meets

Waterville // MAXFIELD RD // Gravel road with open ditches // 131137 // First Cycle Inventory // Priority: N/A // MRGP2ID: M2013

**Municipalities shall submit their completed second cycle REI Reassessment by October 31, 2027*

[View Additional Details](#) | [Add to Results](#)



Tools

ESRI Wor...

0 10 20m

1:500

MRGP Road Segment Scoring

1 of 2

MRGP Road Segment Scoring

Fully Meets

Waterville // MAXFIELD RD // Gravel road with open ditches // 131138 // First Cycle Inventory // Priority: N/A // MRGP2ID: M2012

**Municipalities shall submit their completed second cycle REI Reassessment by October 31, 2027*

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Clean out driveway culvert and install stone apron on outlet.

Reestablish grass lined ditch on West side of rd.

Remove shoulder berms on both sides of rd.

ESRI Wor...

0 10 20m

1:500

MRGP Road Segment Scoring 1 of 2

Hydrologically Connected as verified by LCPC in 2023

Waterville // MAXFIELD RD // Gravel road with open ditches // 131139 // Review Connectivity // Priority: N/A // MRGP2ID: M2011

**Municipalities shall submit their completed second cycle REI Reassessment by October 31, 2027*

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Reestablish grass lined ditch on West side of rd.

Install new 15" driveway culvert at 565 Maxfield Rd.

Remove shoulder berm on East side of rd.

ESRI Wor... 0 10 20m 1:500

MRGP Road Segment Scoring 1 of 2

Hydrologically Connected as verified by LCPC in 2023

Waterville // MAXFIELD RD // Gravel road with open ditches // 131140 // Review Connectivity // Priority: N/A // MRGP2ID: M2021

**Municipalities shall submit their completed second cycle REI Reassessment by October 31, 2027*

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Reestablish grass lined ditch on West side of Rd.

Replace existing culvert with new 18" culvert with headers on both sides.

New 18" culvert at snowmobile trail with headers on both sides.

Remove shoulder berm on East side of Rd.

MRGP Road Segment Scoring

1 of 2

Hydrologically Connected as verified by LCPC in 2023

Waterville // MAXFIELD RD // Gravel road with open ditches // 131141 // Review Connectivity // Priority: N/A // MRGP2ID: M2020

**Municipalities shall submit their completed second cycle REI Reassessment by October 31, 2027*

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Reestablish grass ditch on West side of Rd.

Remove shoulder berm on East side of Rd.

ESRI Wor...

0 10 20m

1:500

MRGP Road Segment Scoring

1 of 2

Hydrologically Connected as verified by LCPC in 2023

Waterville // MAXFIELD RD // Gravel road with open ditches // 131142 // Review Connectivity // Priority: N/A // MRGP2ID: M2019

**Municipalities shall submit their completed second cycle REI Reassessment by October 31, 2027*

[View Additional Details](#) | [Add to Results](#)

Install new 18" driveway culvert at 427 Maxfield Rd. with headers on both sides.

Reestablish grass lined ditch on West side of Rd.

Remove shoulder berm on East side of Rd.

MRGP Road Segment Scoring

1 of 2

☆ MRGP Road Segment Scoring

Partially Meets

Waterville // SMITHVILLE RD // Gravel road with open ditches // 168844 // First Cycle Inventory // Priority: Low // MRGP2ID: M2001

**Municipalities shall submit their completed second cycle REI Reassessment by October 31, 2027*

[View Additional Details](#) | [Add to Results](#)

Remove shoulder berms on both sides of Rd.

ESRI Wor...

0 10 20m

1:500

MRGP Road Segment Scoring

2 of 2

☆ MRGP Road Segment Scoring

Does Not Meet

Waterville // SMITHVILLE RD // Gravel road with open ditches // 168845 // First Cycle Inventory // Priority: Moderate // MRGP2ID: M2000

**Municipalities shall submit their completed second cycle REI Reassessment by October 31, 2027*

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Remove shoulder berms on both sides of Rd.

Reestablish grass ditch or best fit on South side of Rd.

Replace existing culvert with new 24" culvert with stone headers on both sides.

ESRI Wor...

0 10 20m

1:500

MRGP Road Segment Scoring

2 of 2

☆ MRGP Road Segment Scoring

Does Not Meet

Waterville // SMITHVILLE RD // Gravel road with open ditches // 168846 // First Cycle Inventory // Priority: Moderate // MRGP2ID: M1999

**Municipalities shall submit their completed second cycle REI Reassessment by October 31, 2027*

[View Additional Details](#) [Add to Results](#)

Reestablish grass ditch on South side of Rd.

Remove shoulder berm on North side of Rd.



MRGP Road Segment Scoring

2 of 2

☆ MRGP Road Segment Scoring

Does Not Meet

Waterville // SMITHVILLE RD // Gravel road with open ditches // 168847 // First Cycle Inventory // Priority: Moderate // MRGP2ID: M1998

**Municipalities shall submit their completed second cycle REI Reassessment by October 31, 2027*

[View Additional Details](#) | [Add to Results](#)



ESRI Wor...

0 10 20m

1:500

MRGP Road Segment Scoring

1 of 2

☆ MRGP Road Segment Scoring

Partially Meets

Waterville // SMITHVILLE RD // Gravel road with open ditches // 168848 // First Cycle Inventory // Priority: Low // MRGP2ID: M1995

**Municipalities shall submit their completed second cycle REI Reassessment by October 31, 2027*

[View Additional Details](#) | [Add to Results](#)

Reestablish grass ditch on West side until driveway.

Remove shoulder berm on East side of Rd.

ESRI Wor...

0 10 20m

ESRI

MRGP Road Segment Scoring 2 of 2

Hydrologically Connected as verified by LCPC in 2023

Waterville // SMITHVILLE RD // Gravel road with open ditches // 168827 // Review Connectivity // Priority: N/A // MRGP2ID: M1984

**Municipalities shall submit their completed second cycle REI Reassessment by October 31, 2027*

[View Additional Details](#) | [Add to Results](#)

Remove shoulder berm on West side of Rd.



131137-Befor



131138-Before



131139-Before



131140-Before



131141-Before



131142-Before



168844-Before



168845-Before



168846- Before



168847-Before



168848-Before



168827-Before

