

Cover Sheet

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

Town/Organization: Northfield, Vermont

Primary Contact Person (Responsible for Signing Grant Agreement): Tom Davis

Title: Economic Development Director

Address: 51 South Main St. Northfield, Vermont 05663
Street Address Town Zip

Primary Contact Person Email: tdavis@northfield.vt.us Phone: **(802) 9178 - 3777**

SAM unique ID #: M5NAM8U8HK59 Fiscal Year End Month (MM): June

Town Clerk / Admin email: kimberly pedley <kpedley@northfield.vt.us>

Road Foreman Name: Trent Tucker Road Foreman Email: ttucker@northfield.vt.us



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 Northfield, Vermont

Road Name: Monti Road TH #: 56 Structure # (if applicable): n/a

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):

Monti Road is a hillside dirt road that runs along Felchner Brook from Rabbit Hollow Road, ending near the base of Scragg Mountain. The entire road is sloped and has three major inclines. Flooding and runoff from the brook have eroded the shoulders, created deep ruts, significant erosion and the loss or damage of multiple culverts. Felchner Brook runs into the Dog River, which runs into the Winooski River.

Has the town completed an MRGP compliant road erosion inventory?

- Yes No In progress

Project Length (linear feet along roadway): 7,920 ft.

Number of structures/culverts replaced/repared: 7

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 type="checkbox"/> Steel/Plastic Culvert	Concrete Box Culvert
<input type="checkbox"/> Stone Culvert – Take pictures	Concrete Bridge
<input 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 checked="" type="checkbox"/> Reestablishing existing ditches as well	<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 checked="" 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 uniformly widened, and stone will be added. Culverts will ensure water runoff from the hillside will channel properly into the brook rather than across the road, preventing wash out and keeping sediment from being deposited in the brook, which ultimately impacts the Winooski River Basin.

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.):

___ Central Vermont Regional Planning staff, VTrans _____

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:	\$ <u>60,000.00</u>
+	
Local Match:	\$ <u>19,370.00</u>
=	
Total Project Cost:	\$ <u>77,205.00</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: August, 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.**

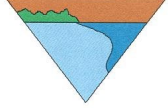
- Grant application cover sheet
- Grant application form, including chart with RSID and MRGP compliance before and after project completion
- Itemized Cost estimate for labor, equipment, and materials (see enclosed Cost Estimate Worksheet). If applicable, please break down funding by source (i.e. different 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: *See below for signature of manager.*

Name: _____ Title: _____

MUST BE TOWN ADMINISTRATOR/MANAGER OR SELECT BOARD CHAIR



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

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<p>Requested Grant Amount: \$ _____</p> <p style="text-align: center;">+</p> <p>Local Match: \$ _____</p> <p style="text-align: center;">=</p> <p>Total Project Cost: \$ _____</p>	<p>Requested Grant Amount Max:</p> <p>\$20,000 Category B</p> <p>\$40,000 Category C</p> <p>\$60,000 Category D</p>	<p>See page 6 for more information on calculating match</p>
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SIGNATURE OF APPLICANT:

Name: Jeff Schultz Title: Town Manager
MUST BE TOWN ADMINISTRATOR/MANAGER OR SELECT BOARD CHAIR



Vermont Better Roads Grant Program



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 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)



Vermont Better Roads Grant Program



BETTER ROADS PROGRAM - MONTI ROAD NORTHFIELD, VT - BUDGET			
Labor		Hours	Cost Total
Road / Project Manager - On Site	130	42	\$5,460.00
Senior Road Crew	130	37	\$4,810.00
Road Crew	130	35	\$4,550.00
Road Crew	130	35	\$4,550.00
Total Labor			\$19,370.00
Equipment	#		Cost Total
Road Bank Cutter (Days)	5	925	\$4,625.00
Excavator Rental (Days)	5	1500	\$7,500.00
Ditching (Days)	4	850	\$3,400.00
Roller Rental (Days)	4	350	\$1,400.00
Total Equipment			\$16,925.00
Materials	#		Cost Total
8" Minus Crushed Stone (Tons)	300	8.5	\$2,550.00
1 and 1/2" plant mix gravel (Tons)	1800	15	\$27,000.00
18" Culvert Material (Feet)	320	23	\$7,360.00
Conservation Mix (25 lb bags)	12	125	\$1,500.00
Total Materials			\$38,410.00
Misc.	#		Cost Total
Various materials and tools (total_	1	2500	\$2,500.00
			\$0.00
Total Labor			\$2,500.00
Project Total			\$77,205.00



River Management Engineer Support Letter

I am providing this letter of support to the Town of Northfield for their Better Roads grant application for stabilization of existing sections of Monti Road adjacent to Flechner Brook.

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:

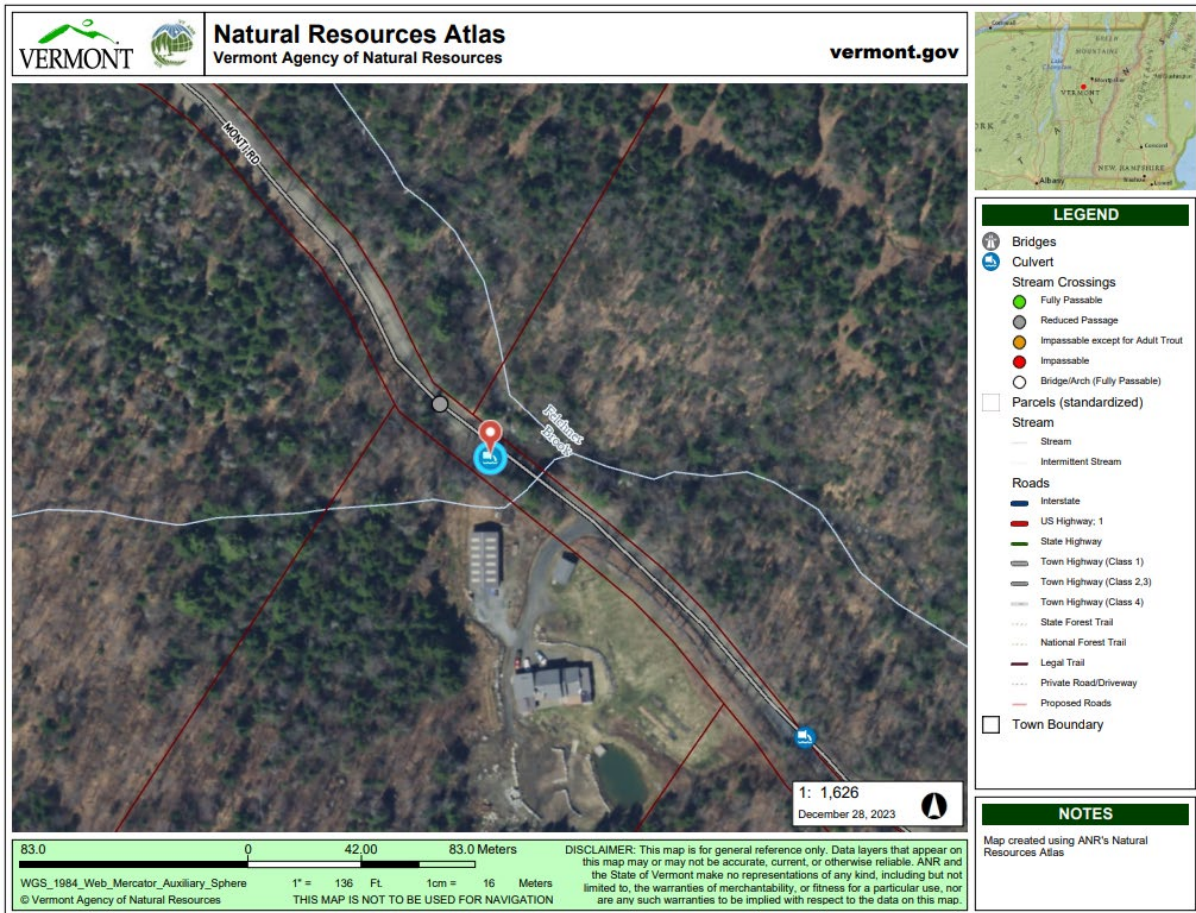
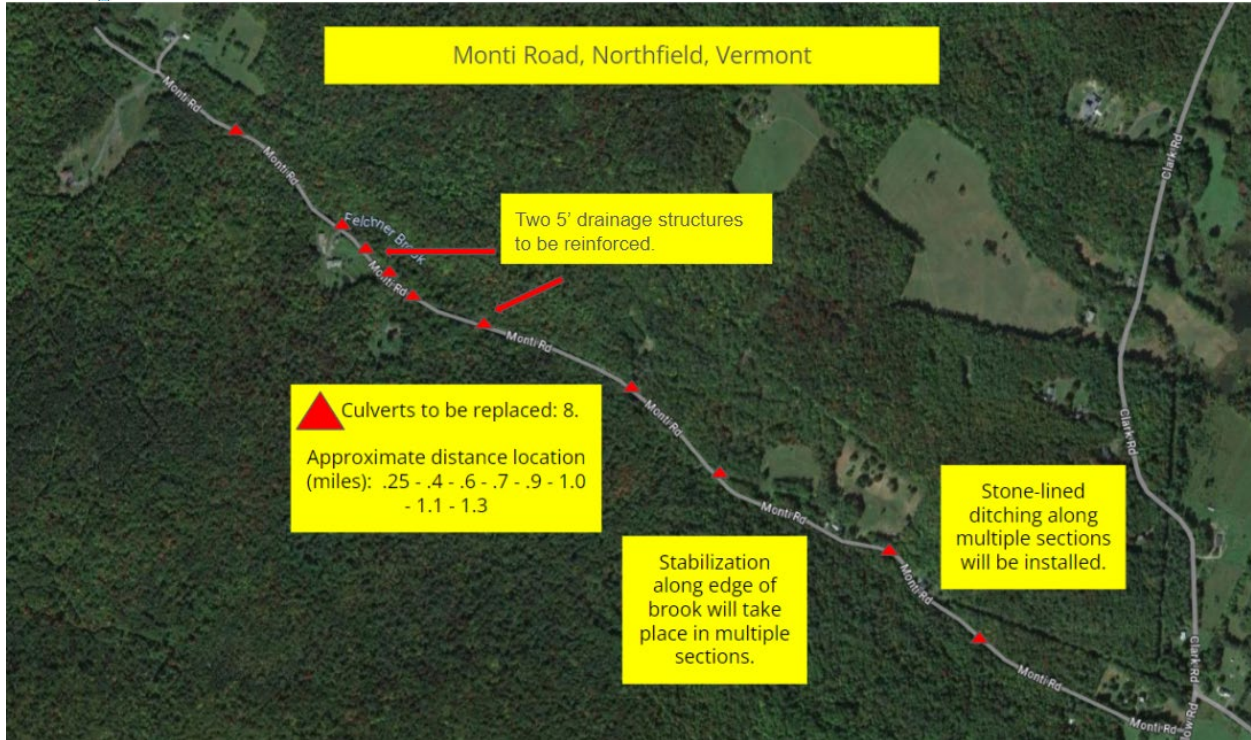
- Restores or enhances floodplain/access to floodplain
- Restores or enhances natural channel dimensions
- Establishes tree/shrub buffer
- Restores habitat (including aquatic organism passage)
- No additional benefits
- Further restricts or impacts the stream

Thank you for your consideration,

Jaron Borg, River Management Engineer

Signature

Comments: The proposed work includes stabilization of several sections of the Monti Road embankment adjacent to Flechner Brook.





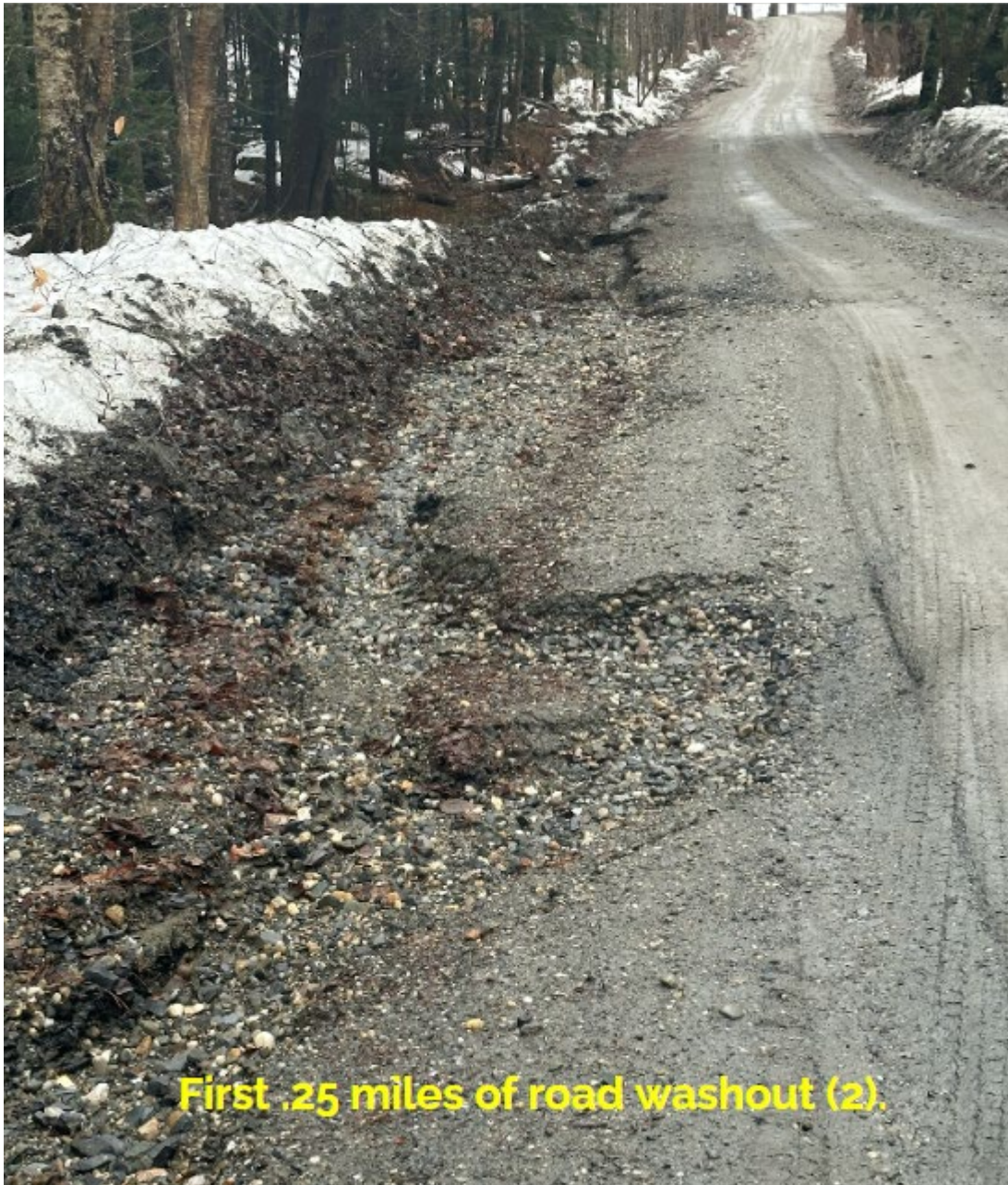
Vermont Better Roads Grant Program



Base of Monti Road at Rabbit Hollow Road, Northfield



First .25 miles of road washout.





Washout near base of road.



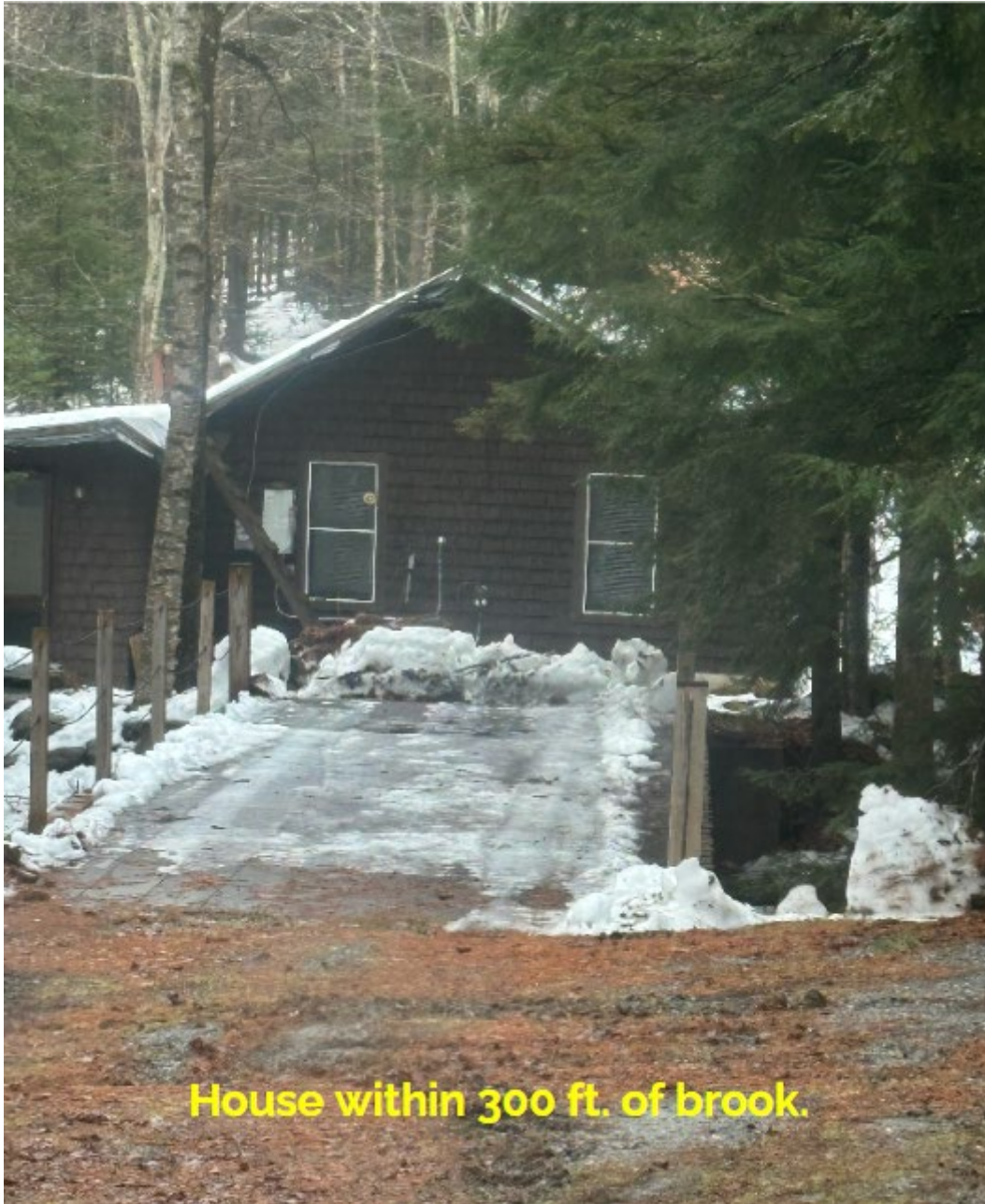


Caved in section above .25 miles



Vermont Better Roads Grant Program





House within 300 ft. of brook.



One section of brookside to be stabilized.



Section of brookside to be stabilized.



Area near house (left) within 300' of brook..



