

Town of

Wilmington

(802) 464-8591 (Voice)
(802) 464-8477 (FAX)
www.wilmingtonvermont.us

Received

APR 14 2016

April 12, 2016

VTrans
PDD-LTF

Alan May
Agency of Transportation, Environmental Section
1 National Life Drive
Montpelier, VT 05633

Re: FY 2017 Vermont Better Roads Grant Applications

Dear Mr. May:

Enclosed are the Town of Wilmington's applications for a grant through the referenced program for replacing a culvert on Sturgis Rd and stabilizing the stream bank on Look Rd.

Thank you for your help. I look forward to hearing from you.

Please call if you have any questions.

Sincerely,



Jessica DeFrancesco
Administrative Assistant

Enclosure: FY 17 Vermont Better Roads Grant Applications, Category C & D



APR 14 2011

Vermont Better Roads Grant Program Application

Please complete one application per category and/or project you are applying for. You may make copies of the application for multiple applications per category and/or multiple categories.

Please check the Category you are applying for:

- B. Correction of a Road Related Erosion Problem and/or Stormwater Mitigation Retrofit for both gravel and paved roads
- C. Correction of a Stream Bank or Slope Related Problem
- D. Structure/culvert upgrades

Town/Organization: Town of Wilmington

Project Name: Look Rd Stream Bank Stabilization Work

Road Name: Look Rd TH #: 6 Structure # (if applicable): _____

Road Type: Unpaved Uncurbed

Class 3

Watershed: _____

Please provide a thorough description of the problem (ex. Roadway has steep slope with no ditch which is causing roadway erosion):

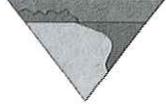
The existing stone surrounding bridge area needs to be reset tightly after Tropical Storm Irene to better protect the bridge abutments.

Description of Project and how you plan to complete the work (ex. Stone line 500' of ditch by reshaping ditch and stone lining, working from the top of the project down to the bottom):

The existing stone will be removed, a non-woven geotextile fabric will be placed, the previously removed stone will be brought back in and new stone will be added to achieve a packed stone surface.

Expected Effects (+ & -) on water quality (ex. Erosion will be eliminated by placing the stone ditch):

We hope to see erosion eliminated by placing the packed stone.



Distance from end of project to nearest water (stream, lake, or stormwater system that outlets directly to water). 0-50'

Progress to Date:

Is there an emergency reason this project must be completed quickly? If yes, please explain:

The bridge is rated as being in "poor condition" by the state bridge inspection program and has been recommended for replacement as soon as possible.

Has this project been identified through a municipal road inventory, capital budget plan, tactical basin plan, culvert inventory, or other management plan? If yes, please list which.

Yes: State Bridge Report

No

Please list any professionals you may have contacted for assistance with this project (ANR River

Management Engineer, Army Corps of Engineers, VTrans District Technical staff, Basin Planner etc.):

Todd Manees, VT River Management Engineer
Josh Carvajel, VT River Management Engineer
VTrans District 1 Project Manager-Chris Taft
VTRans District Transportation Manager-Rob Faley
AOT Bridge Inspectors (report attached)

Is the project located in the town "Right of Way?" Yes, No, Both (if "Both" please explain further).

Yes

Will the town road crew complete this work? Yes, No, Some (if "some" please explain further).

No



Describe how the grant funds will be spent and/or attach a project budget:

Cost Estimate is attached.

How do you plan to meet the required 20% match on this grant?:

Bridge Rehabilitation Account

Requested Grant Amount (\$20,000 max Category B, \$40,000 max Categories C & D): \$ 40,000.00

Estimated Total Project Cost (including 20% local match): \$ 71,926.75

Estimated Completion Date: 10/14/2016

REQUIRED ATTACHMENTS:

- Itemized Cost Estimate (labor, equipment, materials)
(For assistance, call Better Backroads at 802-828-4585)
- Project Location Map
(Please show location of affected water; 1:12,000 USGS map, if possible)
- Sketch of proposed erosion control measures, including:
 - Distances (ft.)
 - Estimate of waste & borrow quantities
 - Approx. location of town/other right-of-way and/or property lines
- Photo(s) of the project area.
- Agreement for Entry and/or Deed of Easement (if project is outside Town ROW).
- If project involves stream or river/road conflict, include documentation of consultation with a River Management Engineer.
- 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: (Must be Town Administrator/Manager or Select Board Chair)

Name: *Scott Murphy*

Title: *Town Manager*

CONSTRUCTION COST ESTIMATE					
Item Number	Item Description	Quantity	Unit	Unit Price	TOTAL
201.11	Clearing And Grubbing, Including Individual Trees and Stumps	0.1	A	25,000.00	2,500.00
203.15	Common Excavation	500	CY	20.00	10,000.00
613.15	Riprap, Heavy Type (River Bank Protection)	360	CY	80.00	28,800.00
621.75	Remove and Reset Guardrail	60	LF	8.00	480.00
621.90	Temporary Traffic Barrier	50	LF	12.50	625.00
630.15	Flaggers (Two)	180	HR	23.25	4,185.00
631	Materials Testing	1	AL	1,500.00	1,500.00
635.11	Mobilization/Demobilization	1	LS	10,000.00	10,000.00
649.31	Geotextile Under Stone Fill (Riprap, Heavy Type)	350	SY	3.50	1,225.00
651.15	Seed	5	LB	8.25	41.25
651.25	Hay Mulch	2	TON	576.50	1,153.00
651.35	Topsoil (Riverbank Slope & Flat Top)	25	CY	29.50	737.50
653.15	Hay Bales	50	EACH	8.50	425.00
653.55	Project Demarcation Fence	150	LF	1.70	255.00
	Construction SubTotal				61,926.75
	Engineering, Permitting and Inspections	1	LS	10,000.00	10,000.00
	CONSTRUCTION TOTAL				71,926.75

State of Vermont
Agency of Transportation - Highway Division
Bureau of Asset Management and Performance - Bridge Inspection
One National Life Drive
Montpelier, VT 05633-5001
www.aot.state.vt.us

[phone] 802-828-2621
[fax] 802-828-3566
[ttd] 800-253-0191

November 13, 2015

Mr. Scott Murphy, Town Manager and
Ms. Diane Chapman, Selectboard Chair
Town of Wilmington
c/o Ms. Susan Haughwout, Town Clerk
P.O. Box 217
Wilmington, VT 05363

RE: Wilmington, bridge #56 on TH #6 (class 3) over Cold Brook

Dear Mr. Murphy and Ms. Chapman,

The Federal National Bridge Inspection Standards require inspection of all publicly owned bridges over 20 feet in length on a 24 month cycle. A two-member team performs the inspection, with at least one member specially trained for this work. The Agency of Transportation provides this inspection in the interest of public safety and as a service to the municipalities with the cost shared between the Federal government and the State.

The above structure is a rolled beam with floor beams. During a recent inspection, the following problems were discovered and in need of attention.

The rolled beams have heavy deterioration along the south end at abutment #1. Holes are found in three of the four beams. One beam has slight crushing started. The shallow floor beams have holes along their webs and will start to crush soon. Beams have very notable negative camber and which will continue to creep. The town should plate beam ends to supplement for section loss or consider full replacement of beams. If plating is the option chosen until more permanent repairs are made, the town also should sister up the shallow floor beams for added deck support. The bridge rail and approach rail also need repairs.

**** Received call from town foreman on November 2, 2015 and was told that they plan on pouring concrete pad beneath all beams and adding timber support for added bearing area. This will help until a more permanent repairs or replacement is done and should be only a considered as temporary **.**



To: Town of Wilmington
RE: **Wilmington, bridge #56 on TH #6 (class 3) over Cold Brook**
Date: November 13, 2015
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This structure is owned by the town and as such is the responsibility of the town. **Failure to comply with the recommendations may compromise public safety, result in additional damage, and/or substantially reduce the service life of the structure.**

Even though a bridge is recommended for repair due to deterioration, impact damage, insufficient capacity, or scour by the State, the decision to properly respond to the recommendations is the responsibility of municipal officials. However, it is in the best interest of the municipality to address these recommendations. A failure to address potential bridge hazards may result in tort liability claims.

Please send WRITTEN notification of your intent to comply with, your compliance with, or reasons for non-compliance with these recommendations within 60 days from receipt of this letter. We are required by the Federal Highway Administration to report to them when the recommended posting, closure, and/or safety repairs have been implemented. A response form has been provided for your use.

If you have any questions concerning the matter, please contact your local District Transportation Administrator, DTA Robert Faley at 802-447-2790 or me at 802-828-0041. A representative from Bridge Inspection would be willing to meet with you at the site to discuss the contents of this letter.

Sincerely,

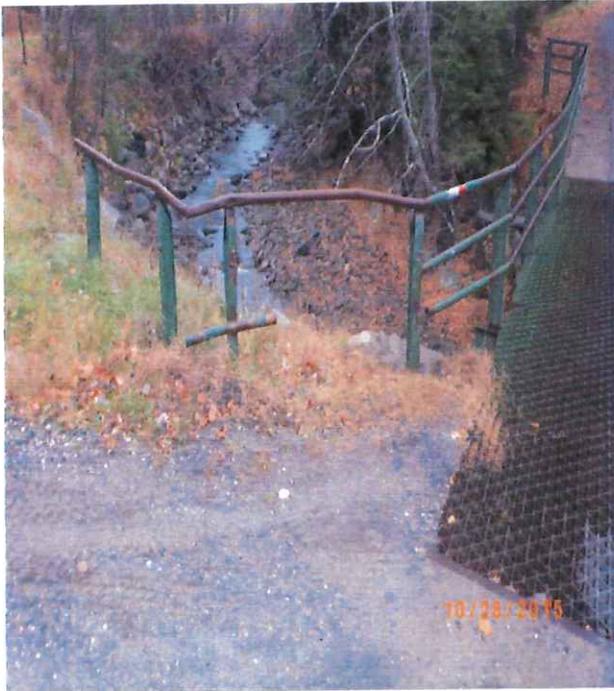


Pamela M. Thurber, P.E.
Bridge Inspection and Budget Program Manage

PMT: MLJ: *mjk*
cc: Robert Faley, DTA District #1
NBIS Inspection Files via MJK & PMT
FHWA Design and Structures Engineer



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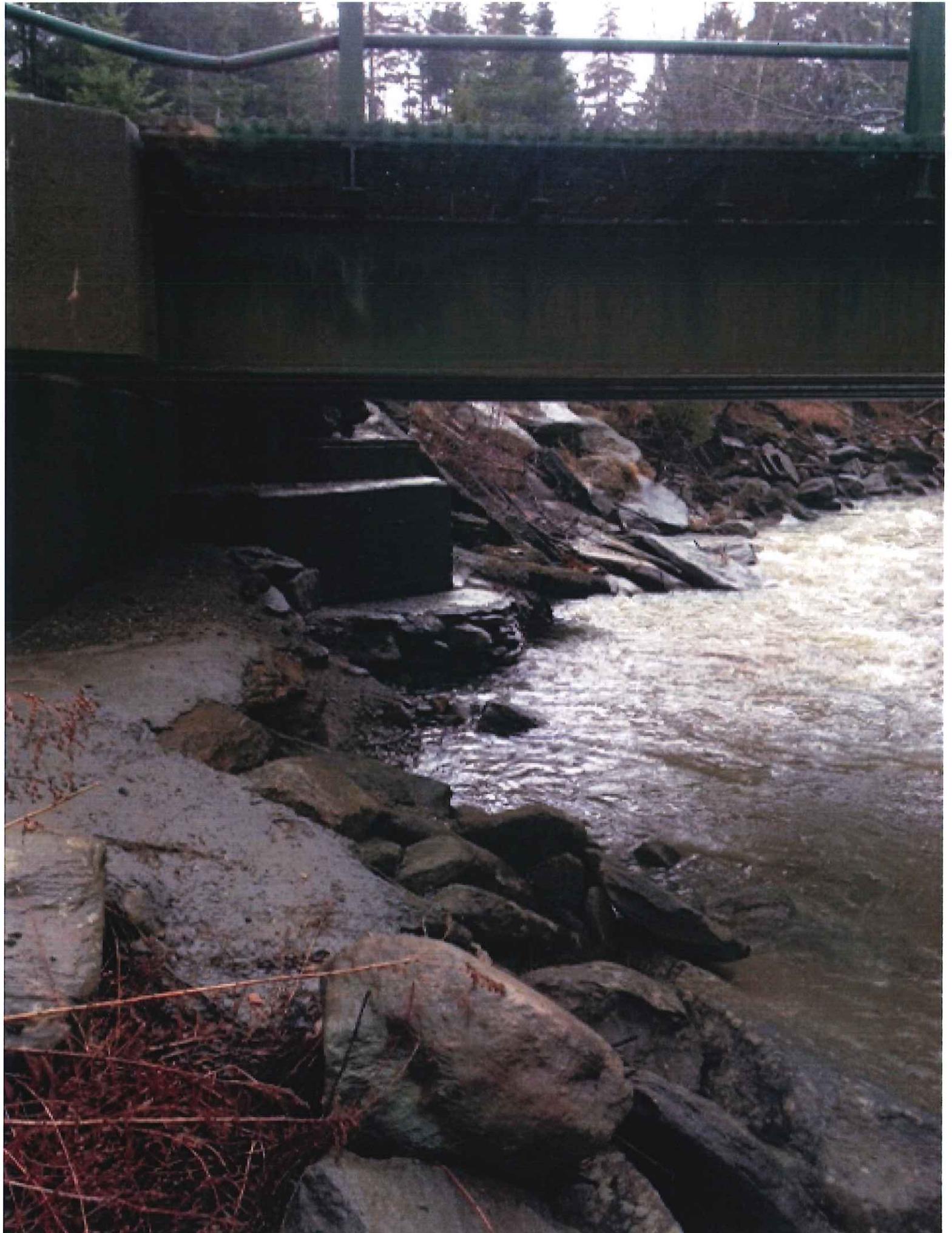
Imagery ©2016 Google, Map data ©2016 Google 50 ft

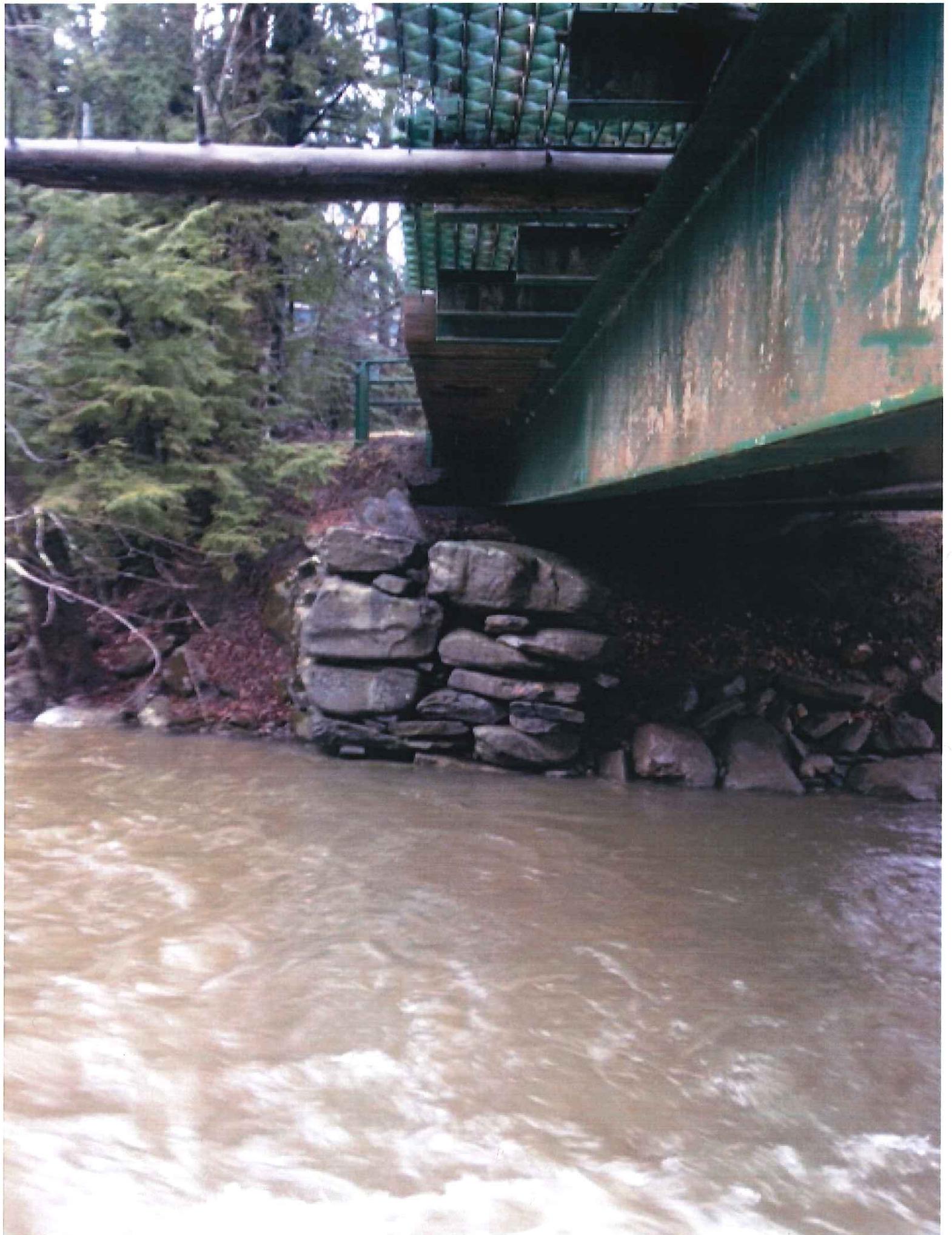
Look Rd
Wilmington, VT 05363

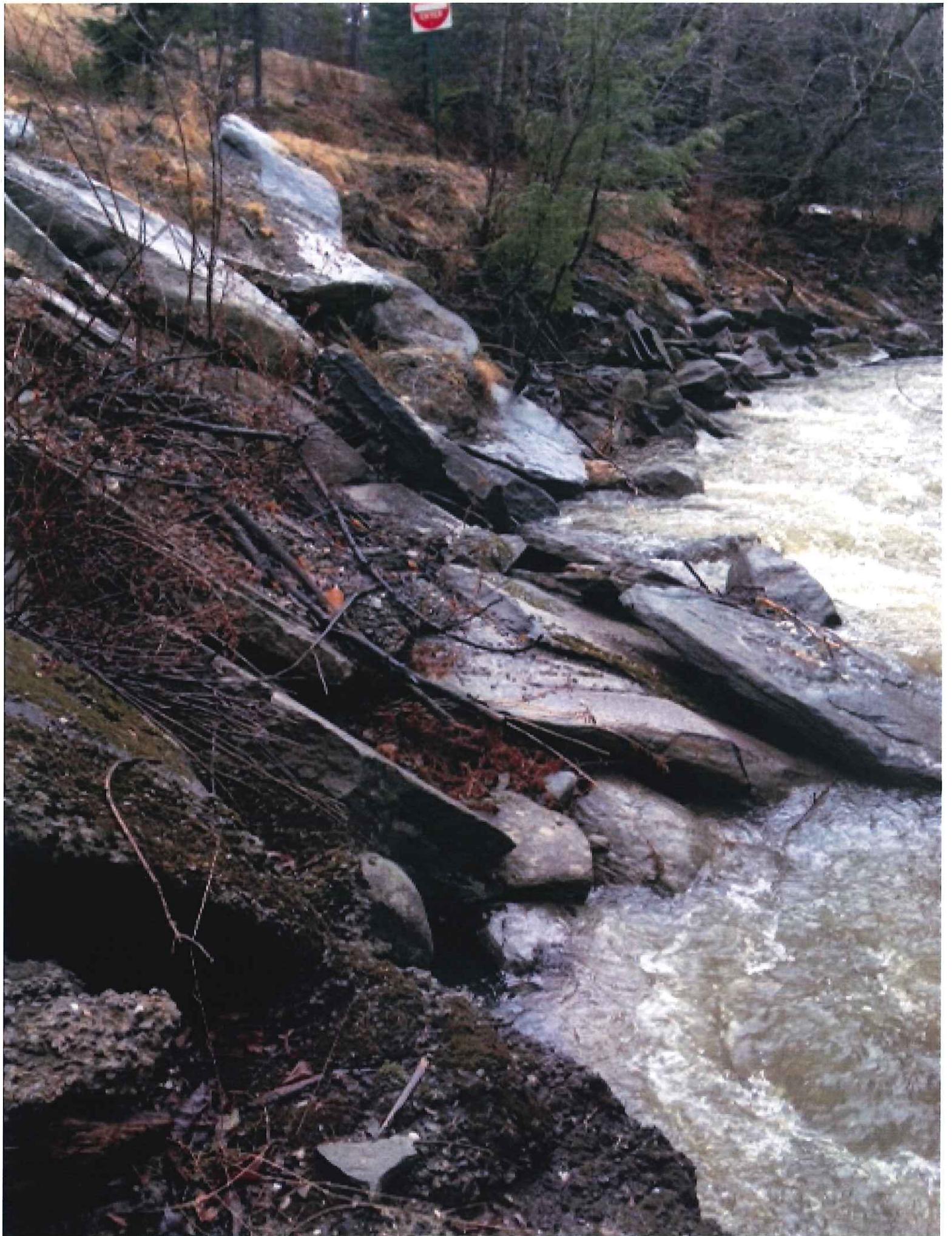
Google Maps

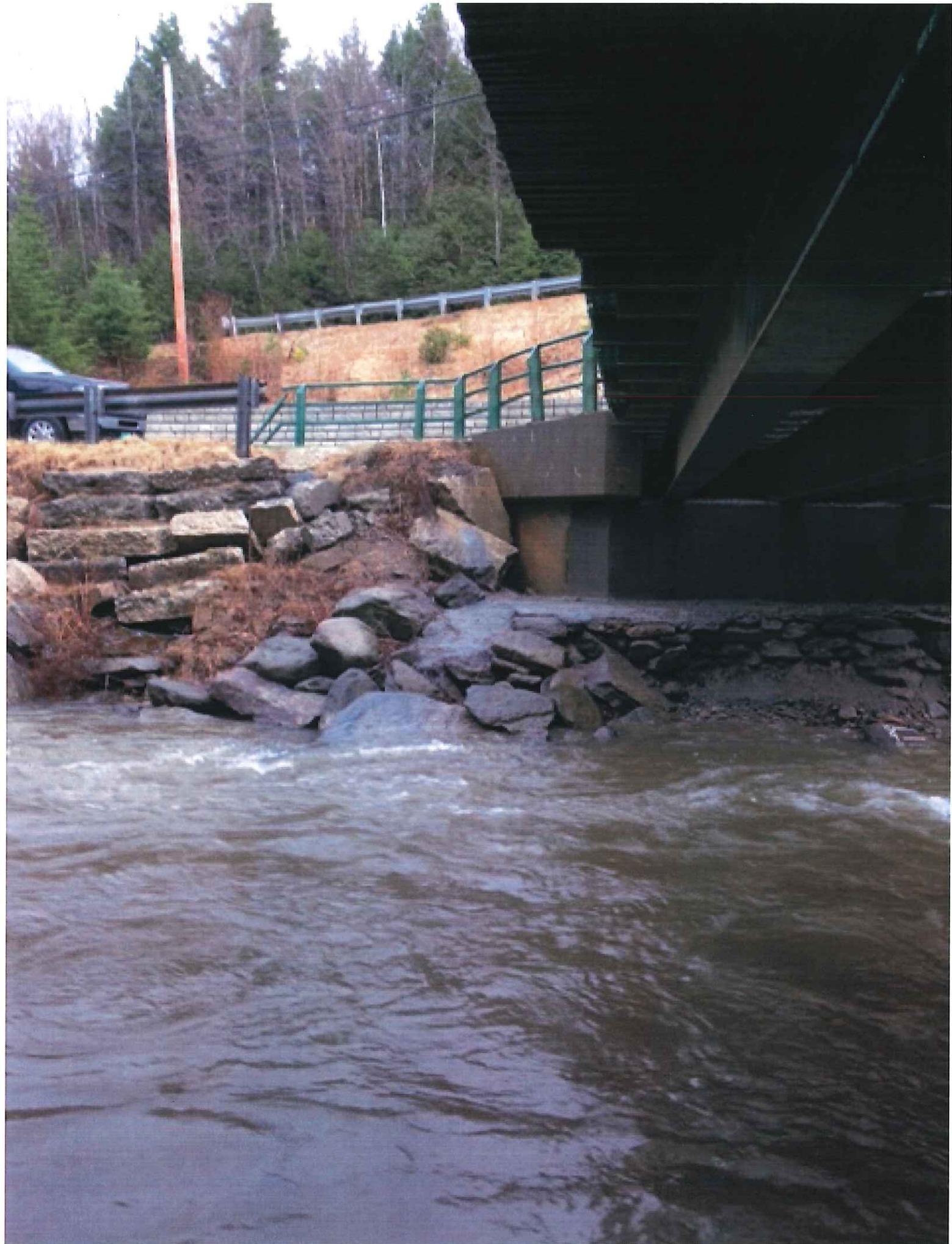


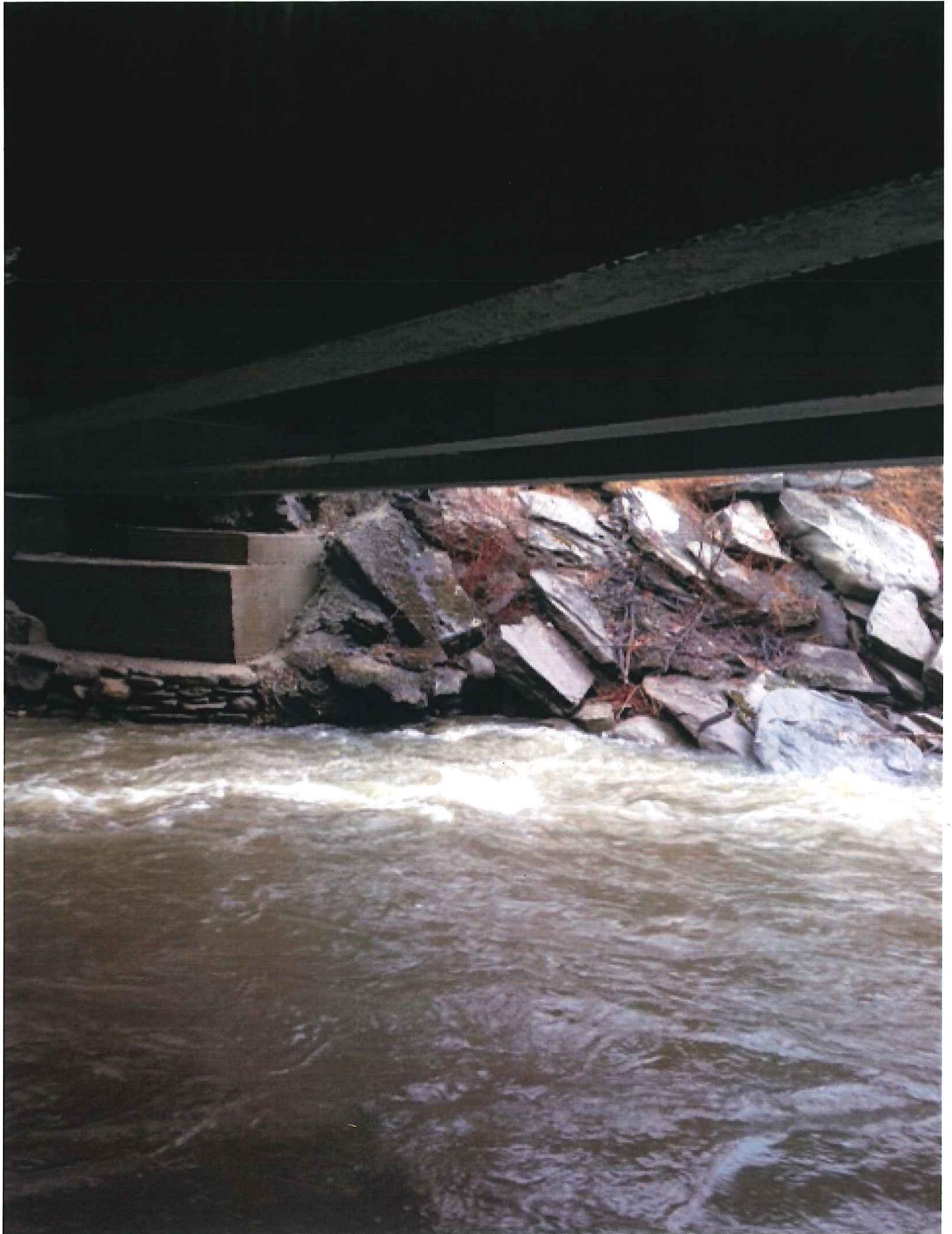
SPEED
LIMIT
25













April 10, 2016

Bill Hunt
Road Supervisor
2 East Main Street
Post Office Box 217
Wilmington, Vermont 0536

Dear Bill:

I am pleased to provide a letter of support for the **Town of Wilmington's** application submission for a Category C and D Better Roads grant. The Category C grant will provide much needed stream bank stabilization, along Look Road. Regarding Category D, the need exists to upsize culvert #1 on Sturgis Road; this culvert is a high priority, identified in the Town's Capital Improvement Plan. This application conforms to the policies found in the Windham Regional Plan (September 2014):

- 1. Maintain and restore the chemical, biological, and physical quality of the region's surface water per the objective in State water regulations.*
- 2. Improve existing roads and design culverts and bridges to carry a 50-year flood event without damage.*

Please contact me if you have any questions.

Sincerely,

Matt Mann

Matt Mann
Senior Transportation Planner