



Vermont Better Roads Grant Program



Cover Sheet

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

Town/Organization: RIPTON

Primary Contact Person (Responsible for Signing Grant Agreement): TIMOTHY HANSON

Title: ROAD COMMISSIONER

Address: 1311 VT RTE 125 (PO BOX 10) RIPTON 05766
Street Address Town Zip

Primary Contact Person Email: thanson@riptonvt.org Phone: (802) 986 - 3625

SAM unique ID #: XKH5NE3BJY5 Fiscal Year End Month (MM): 06

Town Clerk / Admin email: ajdickinson@riptonvt.org

Road Foreman Name: _____ Road Foreman Email: _____



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: RIPTON

Road Name: FROST ROAD TH #: 19 Structure # (if applicable): 119361

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):

3' x 20' BLACK (CDEP) PLASTIC CULVERT CARRIES WATER FROM SEASONAL WATERWAY (BROOK), FAILS - WASHES OUT - WITH HEAVY RAINS. THIS CULVERT FAILED TWICE IN 2023. FAILURE CAUSES ROADWAY GRAVEL TO ERODE, ENTER THE WATERWAY AND FILL DITCHES.

Has the town completed an MRGP compliant road erosion inventory?

- Yes
- No
- In progress

Project Length (linear feet along roadway): 50 ft.

Number of structures/culverts replaced/repared: 1

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



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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
100182	✓			✓		✓		

*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.



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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 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 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 type="checkbox"/> Reestablishing existing ditches only	<input checked="" type="checkbox"/> There will be excavation within 300 feet of 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):

REPLACE 30" BLACK PLASTIC CULVERT WITH AN 8' X 40' CULVERT TO
ALLOW BANK FULL WIDTH STREAM FLOW, REPLACE HEAD WALL,
ESTABLISH DITCH TO PREVENT SEDIMENT FROM ENTERING THE
MIDDLEBURY RIVER 1,200' TO THE SOUTH. BRING SEGMENT INTO
COMPLIANCE WITH MRGP.

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.):

OTTER CREEK ENGINEERING (ROBERT CLARK)
JARON BORGI, ANR

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.)



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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.

NOT APPLYING TO OTHER PROGRAMS

Requested Grant Amount:	\$ <u>30,979.</u>
+	
Local Match:	\$ <u>9,245.</u>
=	
Total Project Cost:	\$ <u>40,224.</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: OCT. 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: Alison Joseph Dickings Title: TOWN ADMINISTRATOR
MUST BE TOWN ADMINISTRATOR/MANAGER OR SELECT BOARD CHAIR



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Cost Estimate Worksheet

Town and Road Name:

Project Name:

Labor	Rate	# Hours	Total (Rate x Hours)
ENGINEER	90	6	540
LABOR	44	48	2112
Labor Total			2,652

Equipment	Rate	# Hours	Total (Rate x Hours)
EXCAVATOR	154	48	7,392
TANDEM 1	100	48	4,800
TANDEM 2	100	48	4,800
COMPACTOR	20	48	960
Equipment Total			17,952

Materials	Rate	Amount	Total (Rate x Amount)
CULVERT 8' x 40'	350/FT	40'	14,000
DELIVERY BAND	2000	1	2,000
CONCRETE BLOCKS 2' x 2' x 6'	90 EACH	32	2,880
6"-12" STONE	15/T	100	1,500
3/4" GRAVEL	14/T	500	7,000
Materials Total			29,500

Miscellaneous	Rate	Amount	Total (Rate x Hours)
SEED	4 LB	5	20
HAY	5 EA	20	100
Miscellaneous Total			120

Grand Total 40,224
 Match 9,244.80
 rounded 9,245.00



Vermont Better Roads Grant Program



River Management Engineer Support Letter

I am providing this letter of support to the Town of Ripton for their Better Roads grant application for a culvert extension on Frost Rd. at (44.96084, -73.00560) conveying an unnamed tributary to the Middlebury River.

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

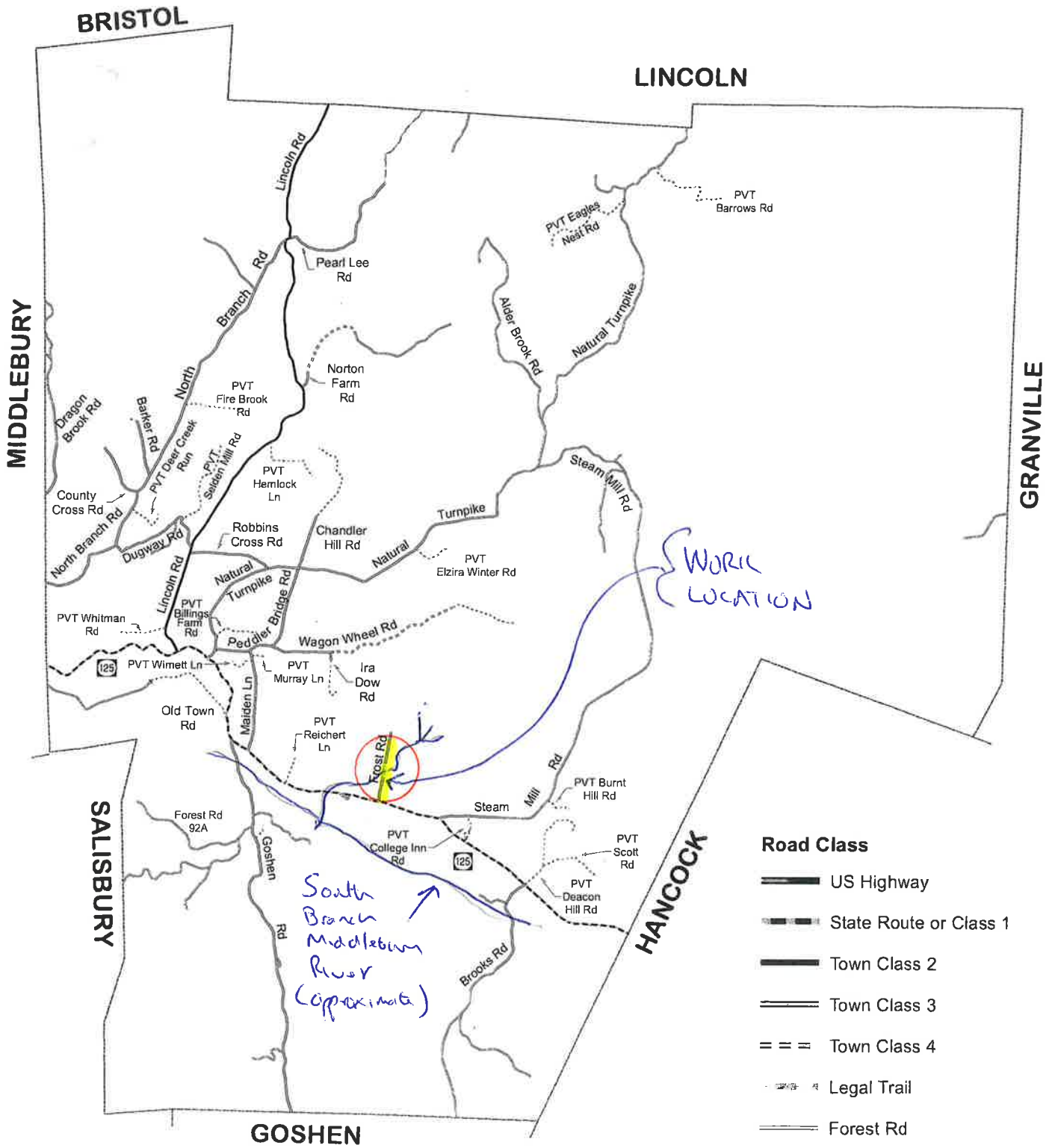
Thank you for your consideration,

Jaron Borg, River Management Engineer

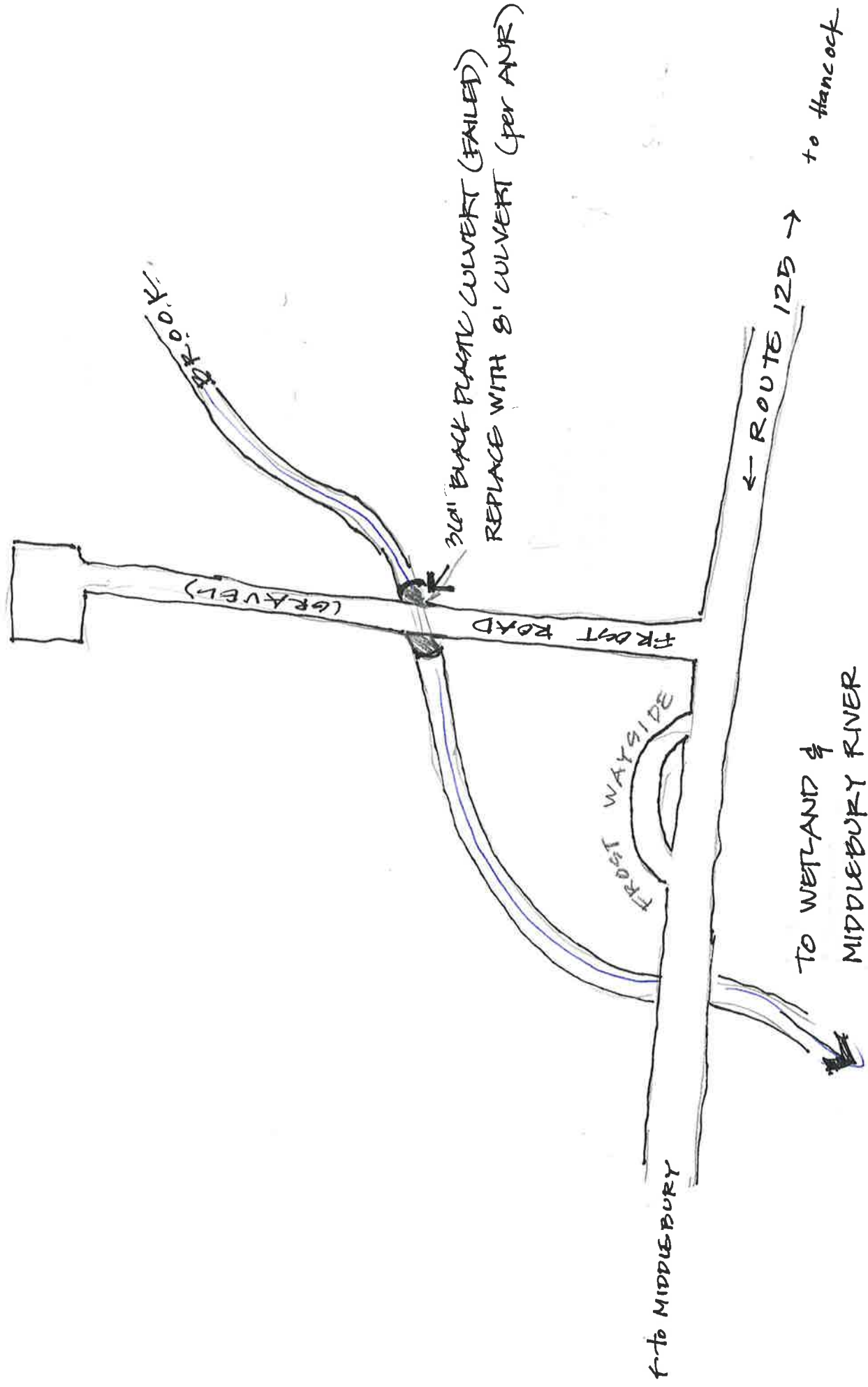
Signature

Comments: The proposed work includes replacement of the subject culvert with an 8-ft diameter CMP.

Town of Ripton Road Names



FROST HOME



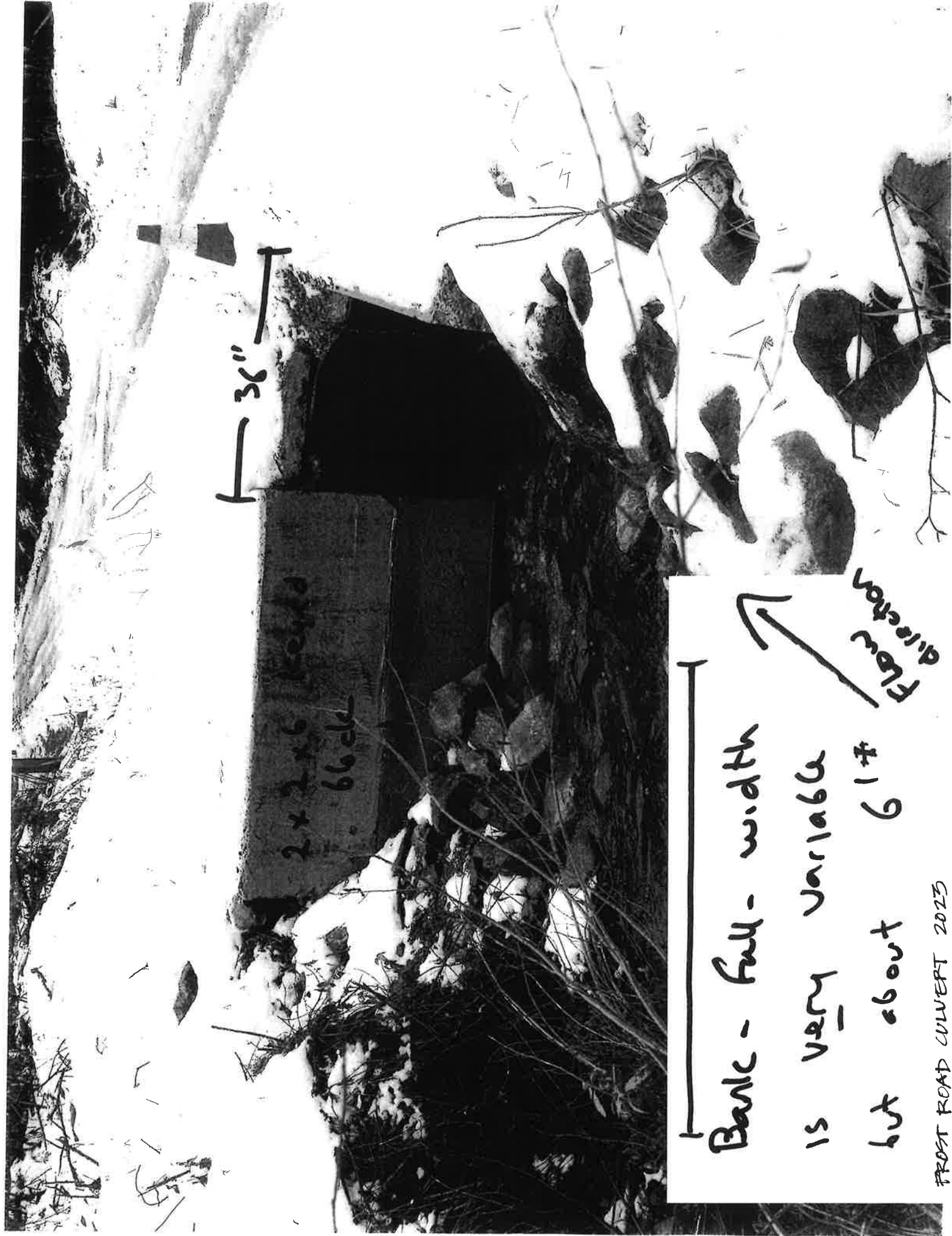
RIFTON - FROST ROAD CULVERT



36"

Stone moved
into waterway
by flood

FROST ROAD - EXISTING CULVERT 2023



36"

2 x 2 x 6 board
66 dls

Flow direction

Bank - full - width
is very variable
but about 6'±

Status
after two
repairs in
2023



11/17/23

Flow Area

FROST ROAD CULVERT





← Flow
direction

Status after
2 repairs in 2023
used the same culvert

FROST ROAD CULVERT 2023