



Received

APR 04 2016



VTrans
PDD-LTF

FY17 Vermont Better Roads Grant Application

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

Town/Organization: Unified Towns & Gores Contact Person(s): Barbara Nolan

Address: PO Box 417 Island Pond, VT 05846

Email: utgoffice@myfairpoint.net Phone: (802) 723 - 5900

DUNS #: 22601340 Fiscal Year End Month (MM): 6

Accounting System: Automated Manual Combination

Please use the suggested documentation checklist below to ensure that all of the relevant items regarding your application have been included.

- Grant application cover sheet (Only submit one)
- Grant application form (One per category/project)
- 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)
- Project Location Map (please show location of affected water)
- Sketch of proposed 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
- Photo(s) of the project area
- Letters of Support (RPC, VTrans District Technical Staff, ANR Rivers and Streams Engineers, etc.)
- If Category C River/Road Conflict or Category D River/Stream Structure or Culvert, you must attach ANR/ACOE consultation



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: Unified Towns and Gores

Project Name: Raise Road Bed on Cottage Road and Add Splash Pools

Road Name: Cottage Road TH #: 3 Structure # (if applicable): _____

Road Type: Unpaved Uncurbed

Class 3

Watershed: Coaticook Water Shed

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

Road base is not crushed gravel so erosion into the lake happens. Plus ditches are very shallow because of ledge on the road and the culverts need more coverage.

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):

Working from the beginning of Cottage Road to the end of Cottage Road, add 6 inches of good crushed gravel to the road plus add 2 splash pools.

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

Erosion of the road reduced by using crusher run gravel and adding splash pools. More coverage over culverts.



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

Progress to Date:

Have added small amounts of gravel yearly.

Is there an emergency reason this project must be completed quickly? If yes, please explain:
Needs to be done due to silt running into the lake.

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: Road Inventory, Capital Budget Plan

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.):
Alan May, Kevin Gadapee and from VTrans Shane Morin.

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, the Town doesn't have a road crew.



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

See Road Inventory and Capital Budget Plan. Cottage Road needs 6 inches of crusher run gravel plus 2 splash pools to control silt run off into Big Averill Lake, which is within 50 feet to 150 feet of the lake. This will help with the depth of the ditches due to ledge on the road.

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

Town budget and volunteer time.

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

Estimated Total Project Cost (including 20% local match): \$ 41,827.20

Estimated Completion Date: 10/31/2016

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: Barbara Nolan, Chair BOG. Title: Chair of BOG.

Averill Road Inventory Fall 2015/Spring 2016 and Capital Budget Plan

Cottage Road

We need to put gravel on Cottage Road; we are having problems with silt running into the Lake. Ditches are very shallow in a lot of areas because of ledges on Cottage Road and the road needs to be built up and we also need to put in 2 splash pools to help with erosion.

We have been slowly trying to do this but because of the cost we haven't been able to.

#1. Add 6 inches of gravel from the beginning of Cottage Road to the end of Cottage Road approximately 1.4 miles. Splash pool #1 N44 59.724; W71 42.315 and splash pool #2 N44 59.652; W71 42.263.

#2. Replace CG10 18"x30" culvert 563254.3126480952; 276867.4573914112 to larger size recommended from VTrans.

Canaan Hill Road

#3. Clean ditch, seed and mulch and remove debris to help keep water off the road. N44 59.856; W71 42.532 to N44 59.865; W71 41.2925.

Forest Lake Road

#4. Add 6 inches of gravel from N44 59.865; W71 41.805 to N44 59.775; W71 41.425.

#5. Grading and mowing for all 3 roads.

Cost of Projects

#1. Estimate of gravel and work -	\$41,927.20
#2. Estimate of culvert and work -	\$1,500.00
#3. Estimate of work -	\$1,500.00
#4. Estimate of gravel and work -	\$5,000.00
#5. Estimate of work -	<u>\$3,500.00</u>
Total	\$53,427.20

Cost Estimate Worksheet

Town and Road Name: Unified Towns and Gores Cottage Road

Project Name: Raise Road Bed on Cottage Ro:

Labor	Rate	# Hours	Total (Rate x Hours)
Road Commissioner - Assist Contractor	\$ 15.00/hour	10 paid	\$ 150.00
taking pictures, bid overseeing, overseeing project, road inventory		10 volunteer	\$ 150.00
Grant writing	\$ 15.00/hour	4 volunteer 2 paid	\$ 60.00 \$ 30.00
Labor Total			\$ 390.00

Equipment	Rate	# Hours	Total (Rate x Hours)
Low Bed equipment for pickup & delivery	\$ 100.00/hour	2	\$ 200.00
Dump trucks for hauling gravel	\$ 95.00/hour	162	\$ 15,390.00
Dozer/Grader for spreading gravel	\$ 85.00/hour	40	\$ 3,400.00
Excavator	\$ 95.00/hour	2	\$ 190.00
Equipment Total			\$ 19,180.00

Materials	Rate	Amount	Total (Rate x Amount)
Crusher run gravel 161 loads X 17 = 2738 yards	\$ 8.00/yard	2738 yards	\$ 21,904.00
12 ton 6" Rip Rap	\$ 15.50/ton	12 ton	\$ 186.00
Materials Total			\$ 22,090.00

Miscellaneous	Rate	Amount	Total (Rate x Hours)
Mileage for overseeing job	\$.56/mile	120 miles	\$ 67.20
Bid Advertising			\$ 100.00
Miscellaneous Total			\$ 167.20
Grand Total			\$ 41,827.20
Match			\$ 21,827.20

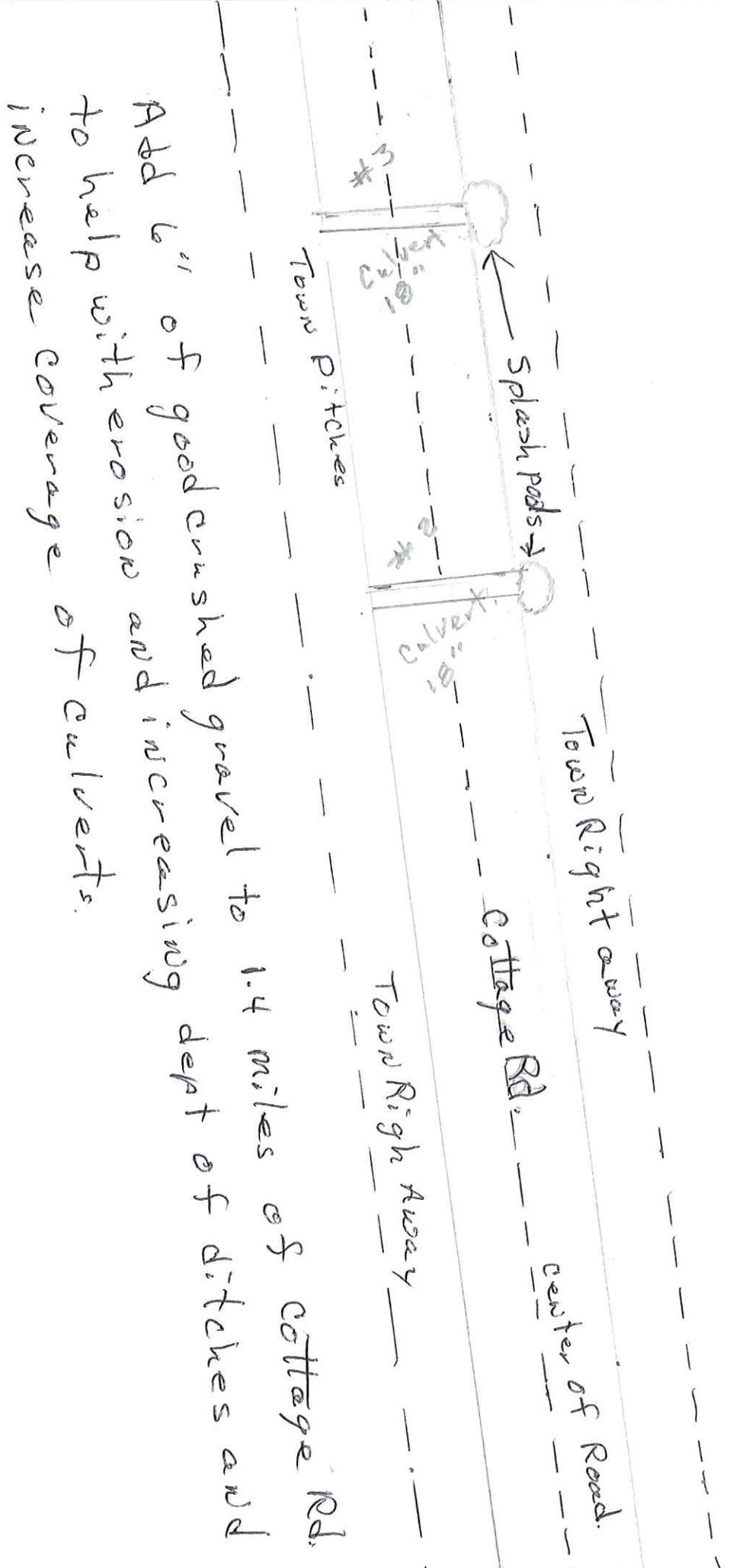


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Big Merrill Lake



Add 6" of good crushed gravel to 1.4 miles of Cottage Rd. to help with erosion and increasing dept of ditches and increase coverage of culverts.

March 23, 2016

Letter of Recommendation

To Whom It May Concern,

The Unified Towns and Gores have expressed concern over the condition of Cottage Road in Averill. They are proposing to add 6 inches of gravel to the entire length of the road as well as to install splash pools at the outlet of two culverts with the purpose of reducing erosion and excessive runoff into Averill Lake.

The UTG has been in close contact with the District 9 office and we have performed multiple site visits to investigate their concerns. It is of our opinion, being the District 9 Project Manager and Tech Team, that this site is an excellent fit for a Better Roads Grant. We will assist and support the UTG throughout the length of the project in any way necessary.

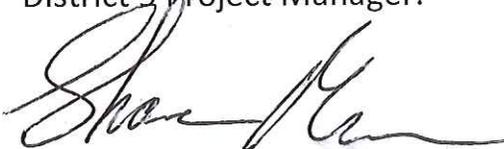
Thank You.

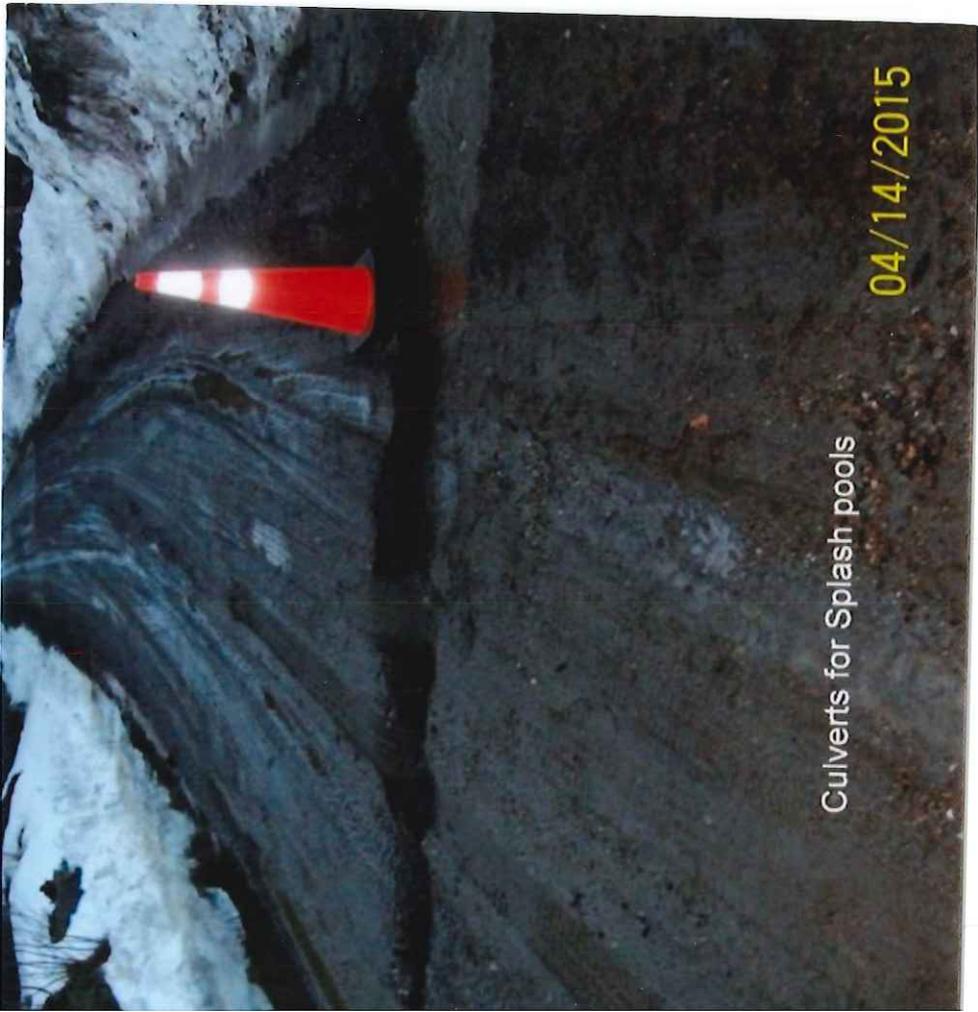
Sincerely,

District 9 Tech Team.



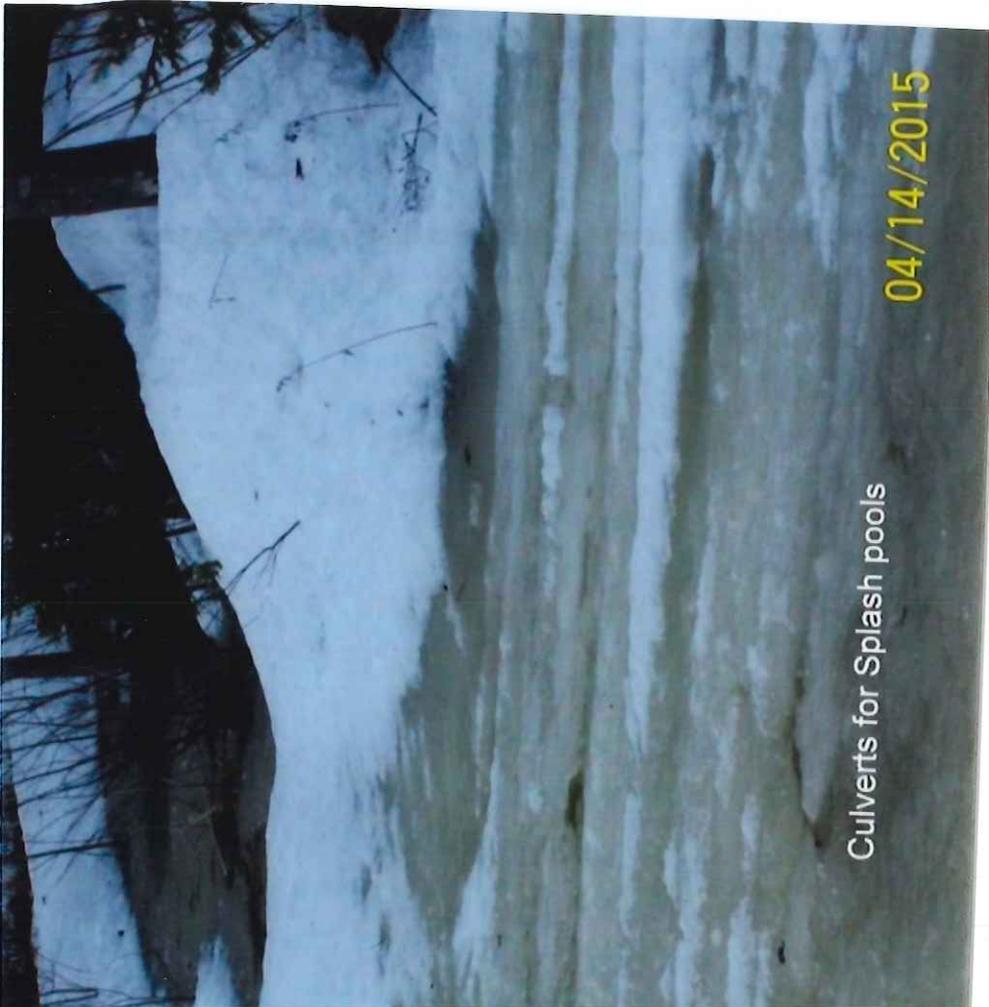
District 9 Project Manager.





Culverts for Splash pools

04/14/2015



Culverts for Splash pools

04/14/2015



Silt running off Cottage Rd.

03/10/2016



Silt running off Cottage Rd

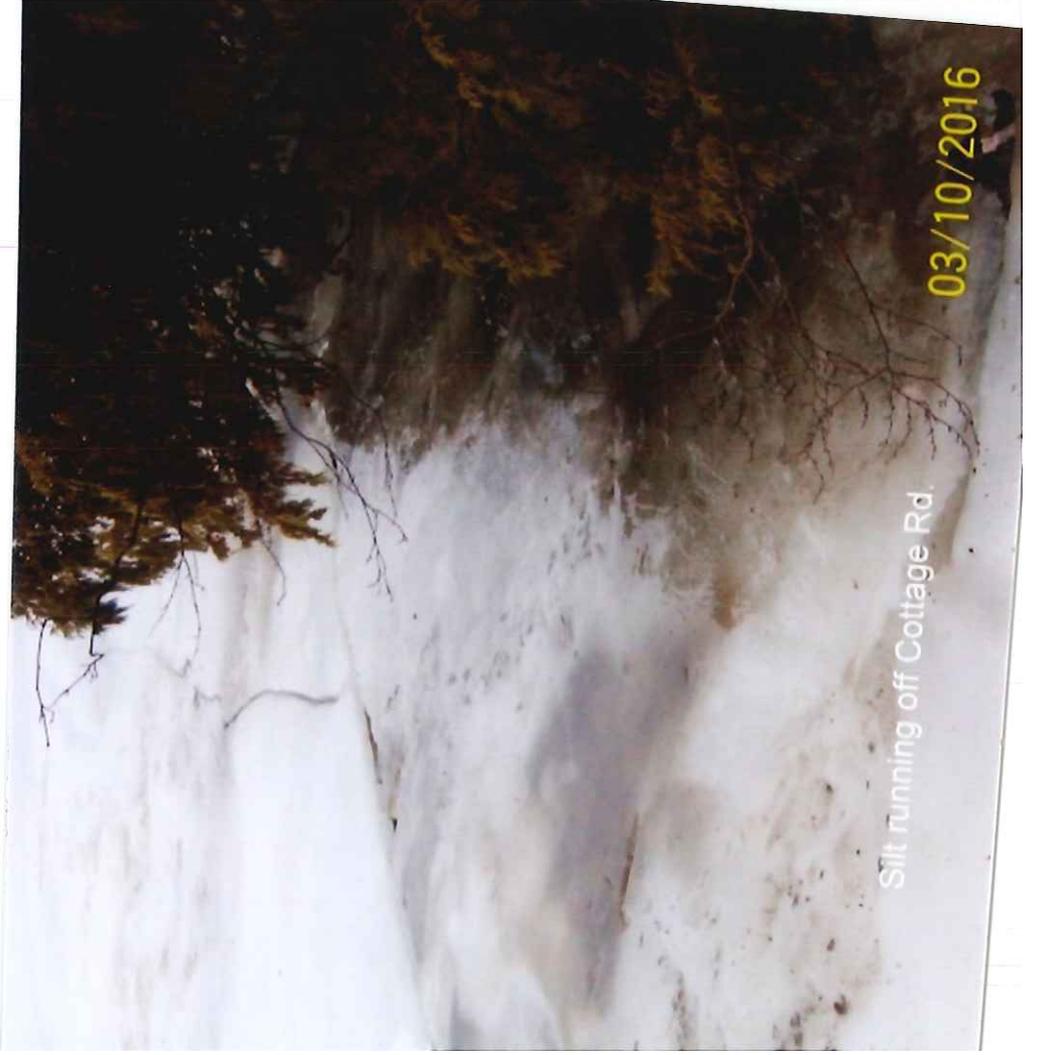
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Silt running off Cottage Rd.

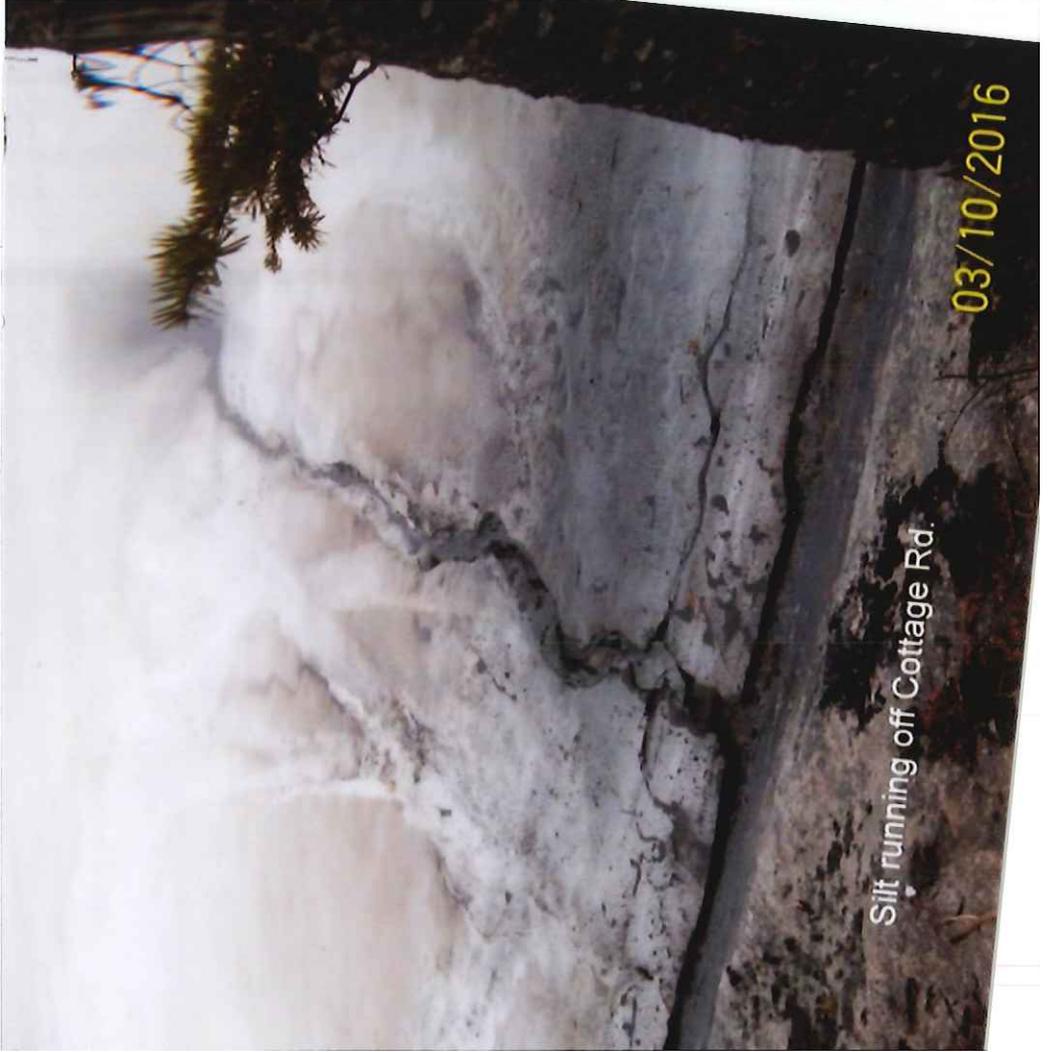
Silt running off Cottage Rd.

03/10/2016





Silt running off Cottage Rd.



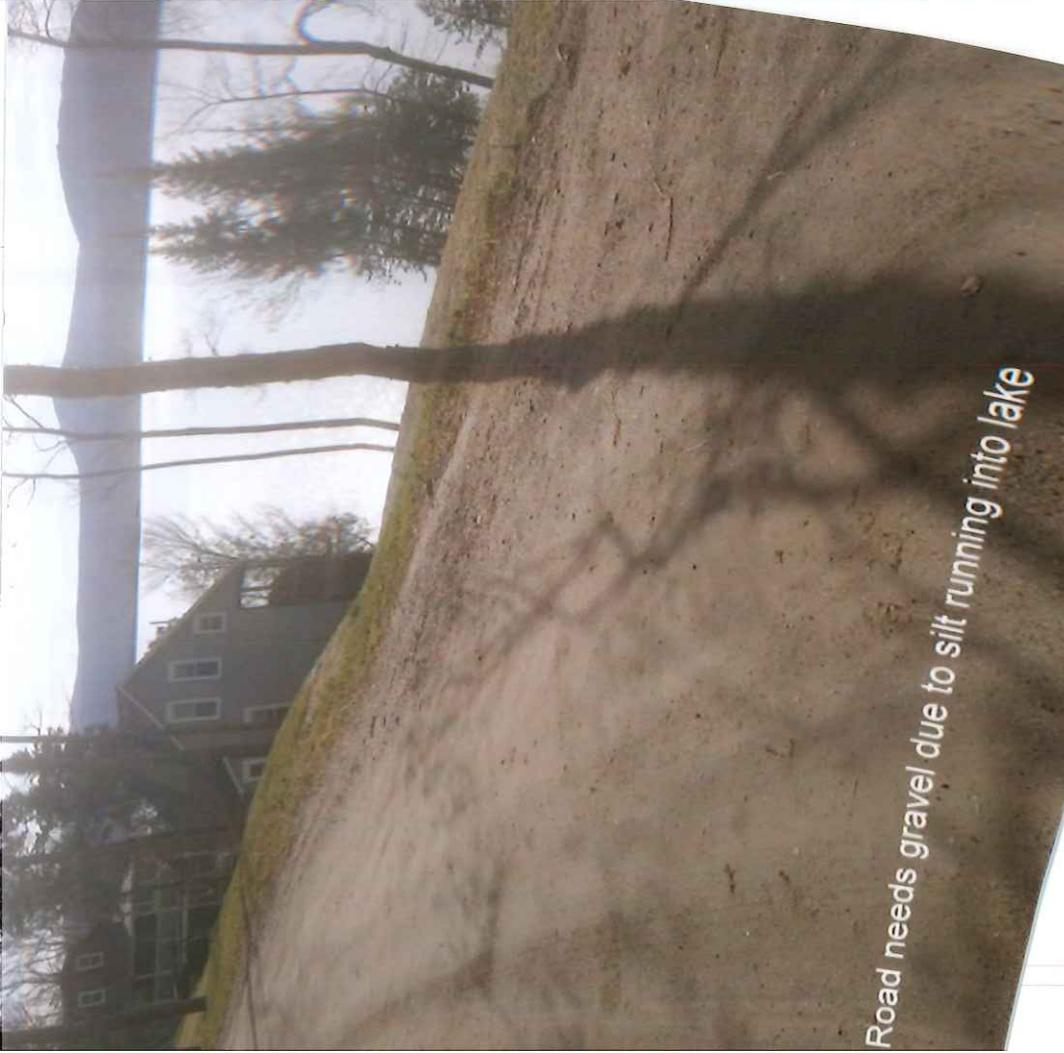
Silt running off Cottage Rd.

03/10/2016



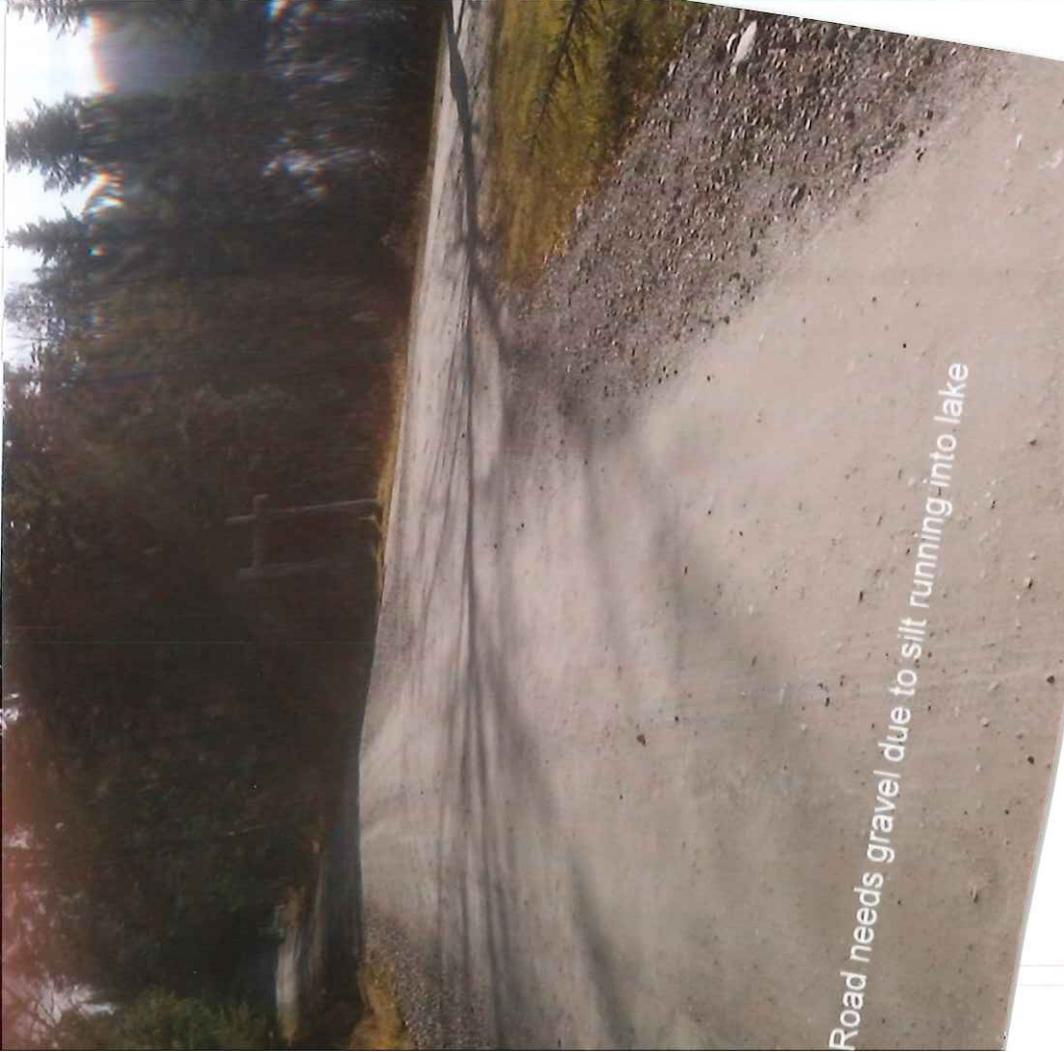
Silt running off Cottage Rd.

03/10/2016



Road needs gravel due to silt running into lake





Road needs gravel due to silt running into lake



Road