



FY17 Vermont Better Roads Grant Application

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

Town/Organization: Fletcher Contact Person(s): Brad Blaisdell

Address: 215 Cambridge Rd., Cambridge, Vt. 05444

Email: town@fletchervt.net Phone: (802) 849 - 6178

DUNS #: 31636004 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: Town of Fletcher

Project Name: River Road BR Project 2016

Road Name: RIVER ROAD TH #: 33 Structure # (if applicable): _____

Road Type: Unpaved Uncurbed
Class 3

Watershed: LAMOILLE RIVER

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

Roadway is on a Steep Grade (6-9% +/-). Some trees are obstructing the roadway ditches. Roadway drainage is running in wheel ruts and along roadside. Ditch outlets have erosion channels as they progress downward. Roadway sand and gravel are spilling into farm drives causing erosion channels.

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):

We proposed to reshape ditches, remove road edge berm, stone line ditches and add plunge pools, stone check dams and add a layer of gravel to crown the road and eliminate wheel ruts.

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

Erosion will be eliminated by the use of stone lining of ditches, check dams will trap silt and slow water velocity and plunge pools will act as sediment traps and sheet discharge water to eliminate in-cutting erosion.



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

Progress to Date:

None

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

No

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: _____

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.):

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

Both.

Minor ditch and Plunge Pool encroachments, however the project has been reviewed by adjacent landowner, and have approved the project concept and will work with the Town of Fletcher to see the project completed as their property will also benefit.

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

The Town will supervise the project, the road crew and equipment will participate, with assistance of a hired excavator which they do not own.



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

See Attached Estimate

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

In-kind Services

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): \$ 36,767.12

Estimated Completion Date: 10/30/2016

REQUIRED ATTACHMENTS:

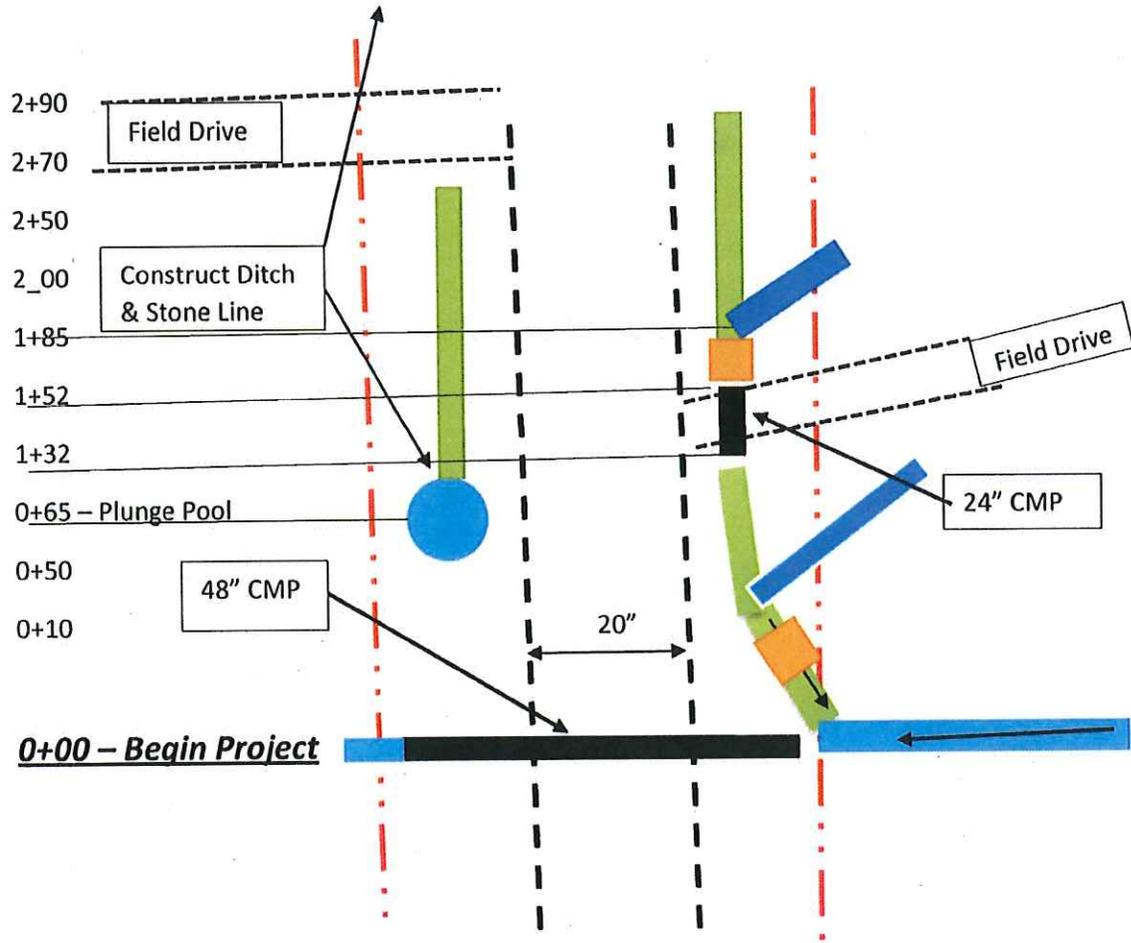
- Itemized Cost Estimate (labor, equipment, materials)
(For assistance, call Better Backroads at 802-828-4585)
- Project Location Map
(Please show location of affected water; 1:12,000 USGS map, if possible)
- Sketch of proposed erosion control measures, including:
 - Distances (ft.)
 - Estimate of waste & 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: *Cory Arzop*

Title: *SPD Comm*
SELECT BOARD



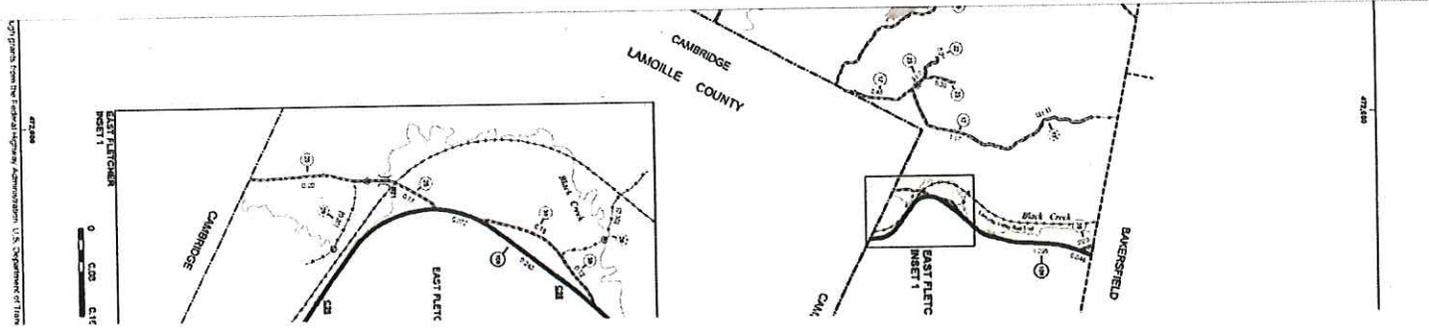
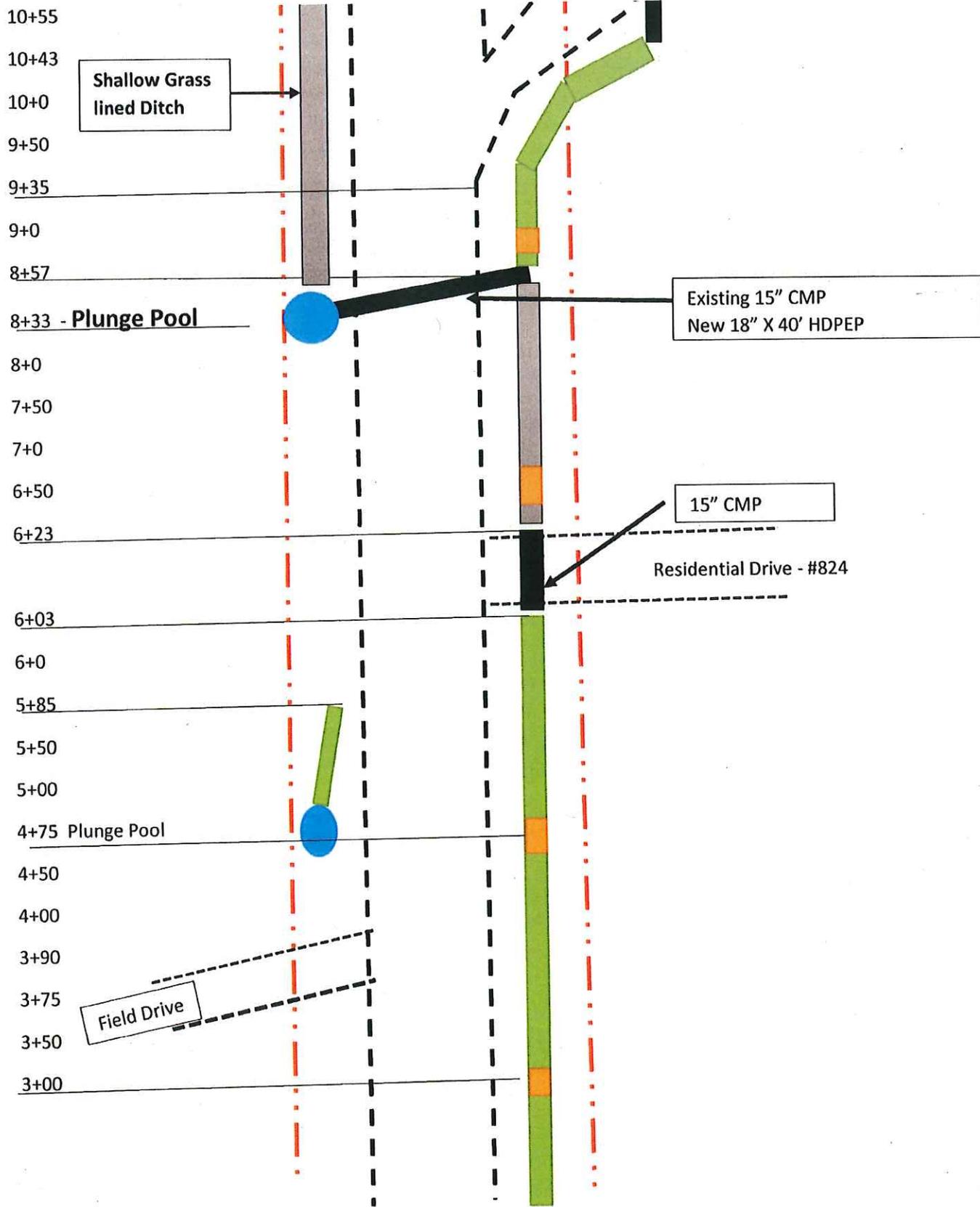
Legend

-  = Highway Right of Way
-  = Culvert
-  = Edge of Road
-  = Stone Lined Ditch
-  = Stone Check Dam
-  = Plunge/Splash Pool
-  = Grass Ditch

River Rd. – TH 33
 N 44°.652828 - W 72°.903508
 Project Length = 1075'

- Project will include:**
- 975 L.F. Stone Lined Ditch
 - 552 L.F. Grass Lined Ditch
 - 3 Stone Plunge Pools
 - 710 L.F. Edge Berm Removed
 - 6 Stone Check Dams
 - Gravel for crown to shed water

Grades are from 4% to 10+% on the project.



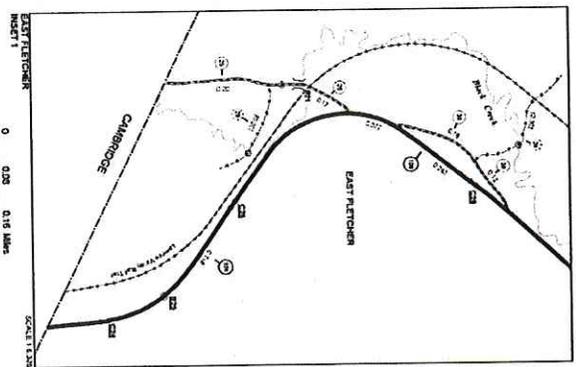
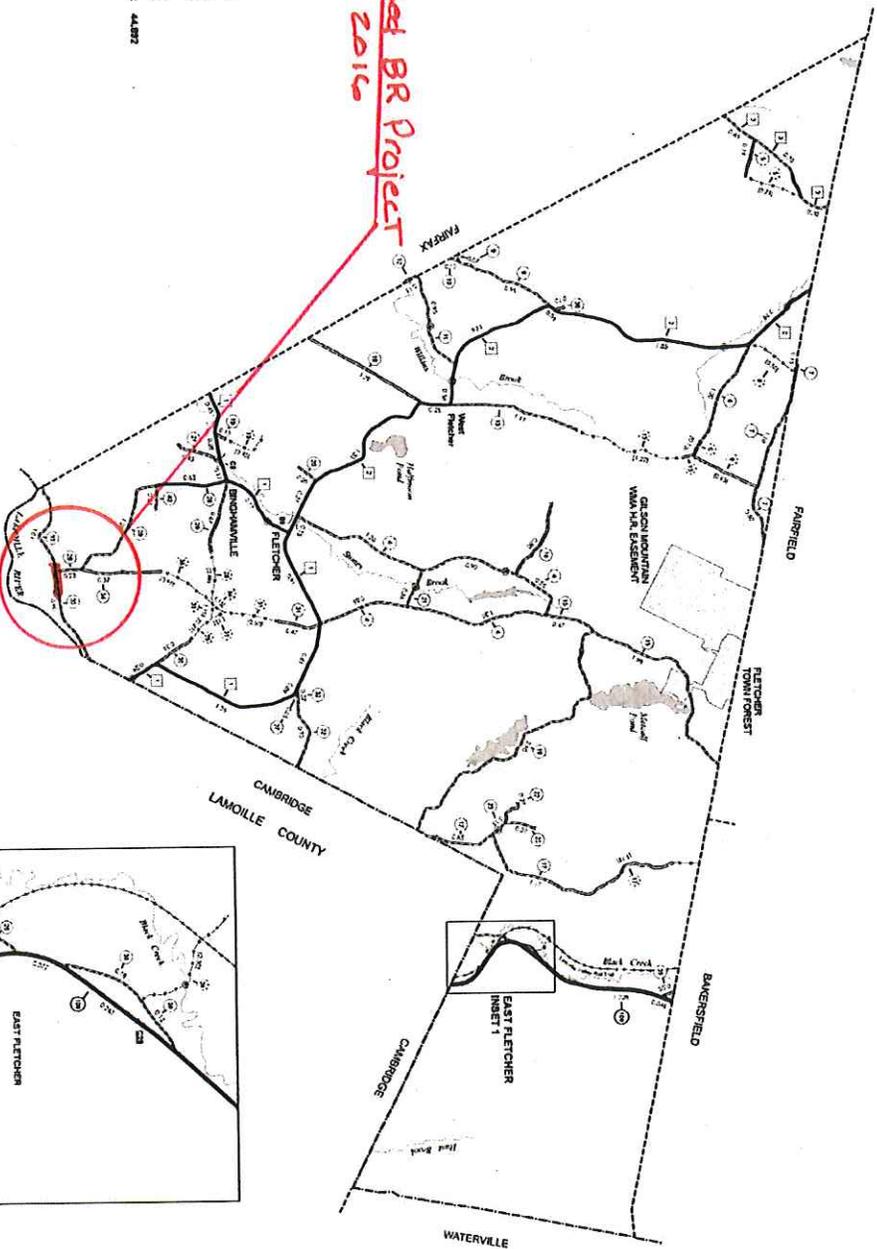
TOWN LENGTH BY CLASS

HWY CLASS	CLASS	NO.	LENGTH
1	1	4	4.00
2	2	1	0.18
3	3	1	0.18
4	4	1	1.36
5	5	1	0.36
6	6	1	1.36
7	7	1	0.36
8	8	1	0.36
9	9	1	0.36
10	10	1	0.36
11	11	1	0.36
12	12	1	0.36
13	13	1	0.36
14	14	1	0.36
15	15	1	0.36
16	16	1	0.36
17	17	1	0.36
18	18	1	0.36
19	19	1	0.36
20	20	1	0.36
21	21	1	0.36
22	22	1	0.36
23	23	1	0.36
24	24	1	0.36
25	25	1	0.36
26	26	1	0.36
27	27	1	0.36
28	28	1	0.36
29	29	1	0.36
30	30	1	0.36
31	31	1	0.36
32	32	1	0.36
33	33	1	0.36
34	34	1	0.36
35	35	1	0.36
36	36	1	0.36
37	37	1	0.36
38	38	1	0.36
39	39	1	0.36
40	40	1	0.36
TOTAL		30	7.41

Proposed BR Project 2016

RELATIVE SUMMARY

CLASS	ASD	CLASS 1	CLASS 2	CLASS 3	TOTAL CLASS 1	TOTAL CLASS 2	TOTAL CLASS 3	TOTAL TOWN
CLASS 1	1.36	1.36	1.36	1.36	12.20	12.20	12.20	12.20
CLASS 2	0.36	0.36	0.36	0.36	3.24	3.24	3.24	3.24
CLASS 3	0.36	0.36	0.36	0.36	4.28	4.28	4.28	4.28
STATE HIGHWAY	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32
V-ROAD	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32
TOTAL TRAVELED HIGHWAYS, FEB. 10, 2015	44.872	44.872	44.872	44.872	44.872	44.872	44.872	44.872



- ROADWAYS**
- REFLECTOR ON DIVIDED HIGHWAY
 - STATE-LAND SURFACE ON PAVED
 - U.S. ROUTE
 - SPRIT ROUTE
 - CLASS 1
 - CLASS 2
 - CLASS 3
 - LEDA, TRAIL
- DISCLAIMER**
- The Vermont Agency of Transportation (Vermont Agency of Transportation) is not responsible for the accuracy of the information shown on this map. The Vermont Agency of Transportation is not responsible for the accuracy of the information shown on this map. The Vermont Agency of Transportation is not responsible for the accuracy of the information shown on this map.

VERMONT GENERAL HIGHWAY MAP

Town of Fletcher

FRANKLIN COUNTY

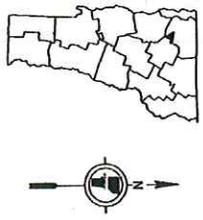
Transportation District 88

Prepared by the Vermont Agency of Transportation

Division of Policy, in cooperation with U.S. Department of Transportation Federal Highway Administration

Map prepared under contract to the Vermont Agency of Transportation

SCALE 1:31,650

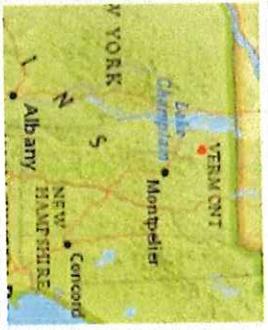




280.0
0 140.00 280.0 Meters
1" = 459 Ft. 1cm = 55 Meters
© Vermont Agency of Natural Resources
THIS MAP IS NOT TO BE USED FOR NAVIGATION

DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. ANR and the State of Vermont make no representations of any kind, including but not limited to, the warranties of merchantability, or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.

1 : 5,503
April 1, 2016



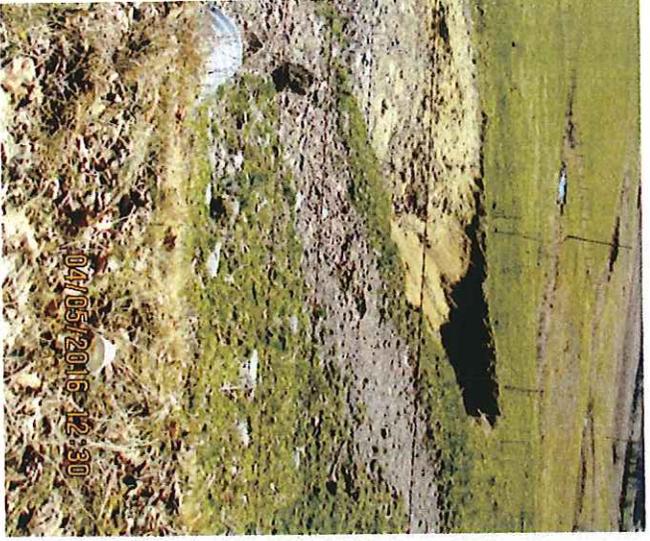
LEGEND

- VTRANS State and Town Long
- VTRANS State Short Structure
- Town Bridge
- Town Culvert
- Waterbody
- Stream
- Town Boundary

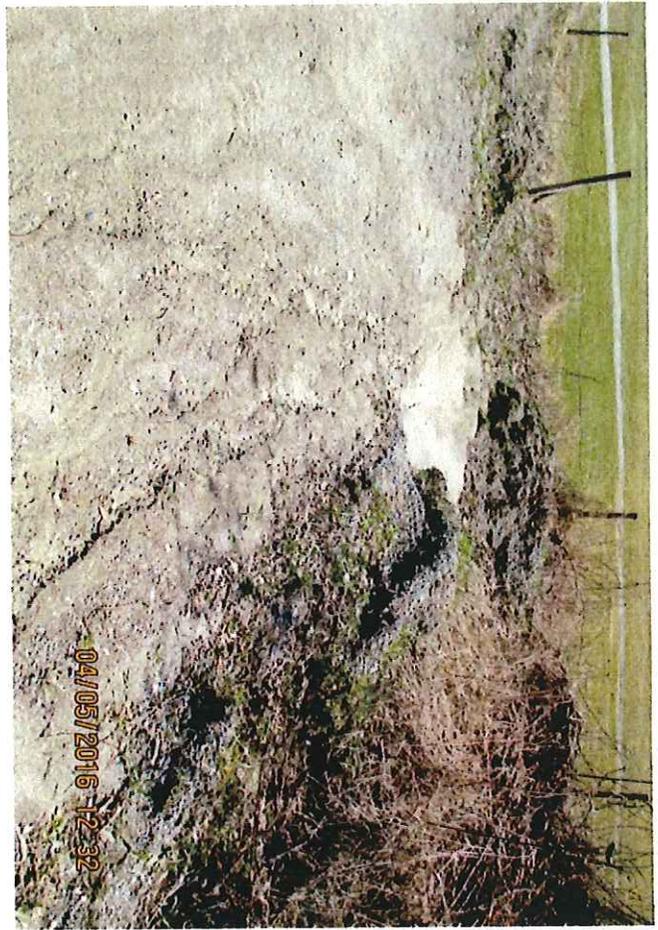
NOTES

Map created using ANR's Natural Resources Atlas

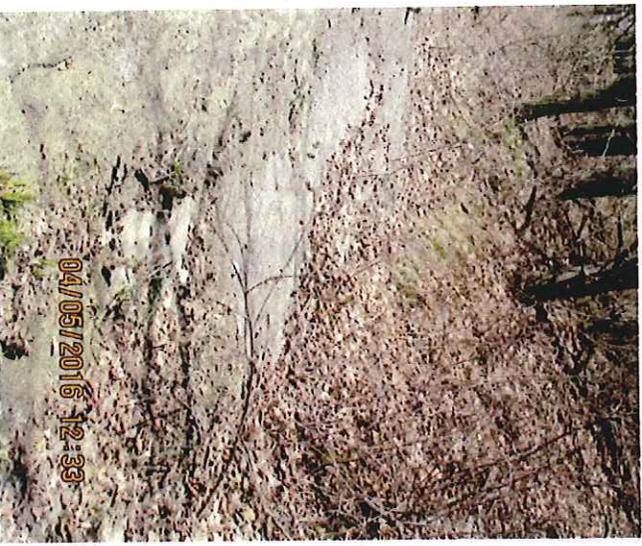
Flakker - River Road 4-5-2016



04/05/2016 12:30



04/05/2016 12:32

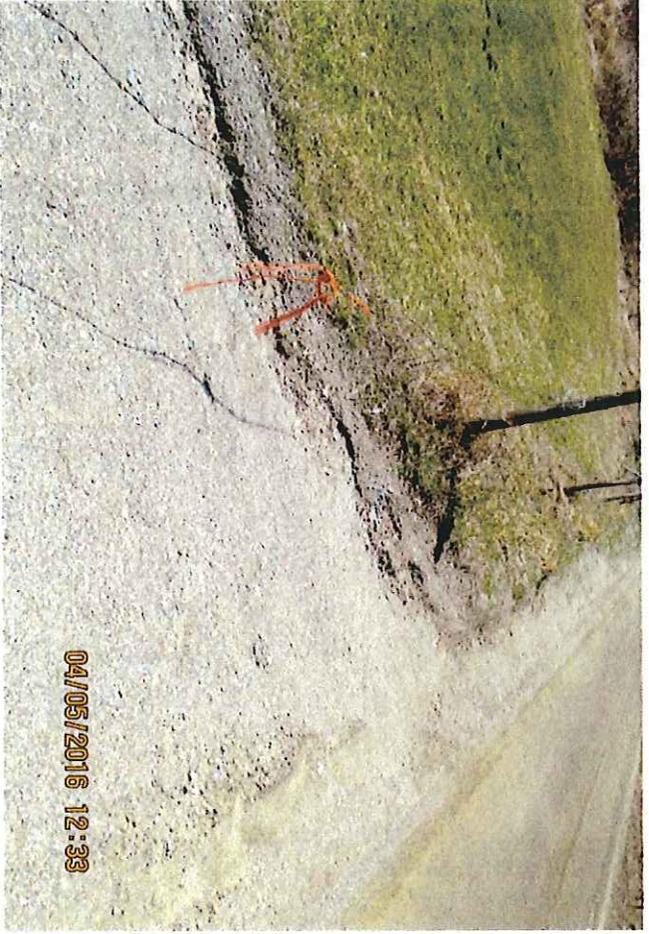


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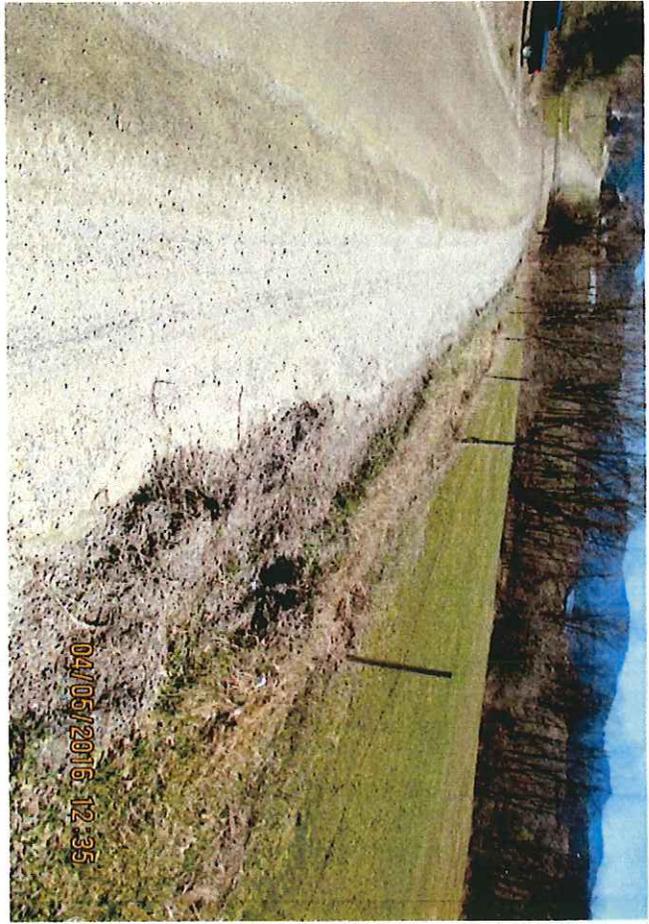


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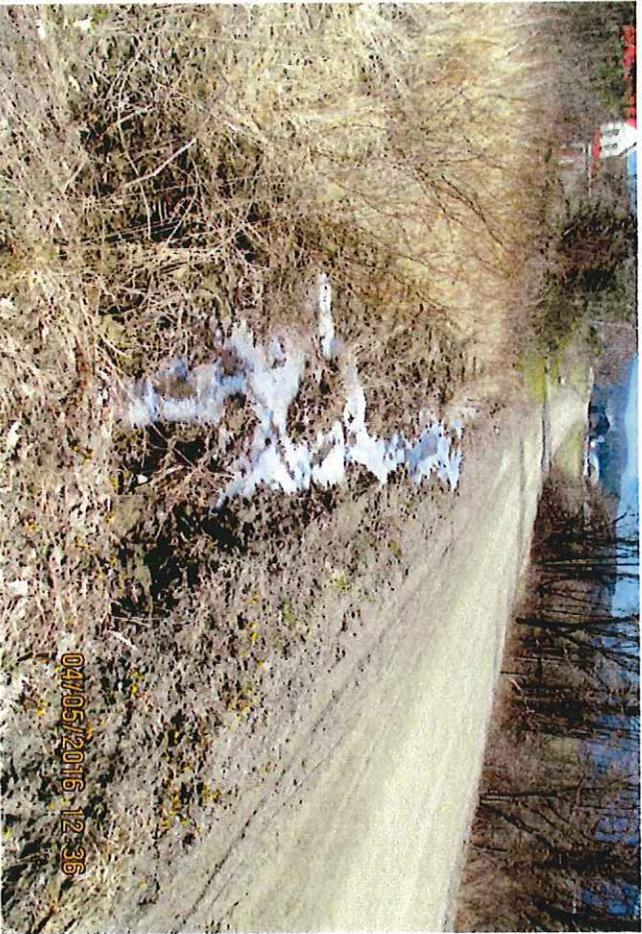
Fletcher - River Road 4-5-2016



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