



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 Ira

Project Name: Pyka Road culvert replacements

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

Road Type: Unpaved Uncurbed
Class 3

Watershed: n/a

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

The two 15" culverts are not big enough to handle the amount of run off that comes off of the hill. The ditch is filled with silt from the bank. See pictures and drawings.

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):

Replace the two 15" culverts with 24" x 45' culverts with stone lined inlets and outlets. Remove trees and cut the bank back to accomplish a 2:1 slope, install seed and mulch, Pitch the road away from the brook, so that runoff goes down the ditch and crosses under VT 133 and not over it.

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

Erosion will be eliminated by installing larger culverts and placing a stone lined ditch.



FY17 Vermont Better Roads Grant Application

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

Town/Organization: Town of Ira Contact Person(s): Steve Martelle/Karen Davis

Address: 53 West Road

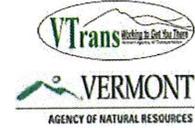
Email: iravalleybuild@aol.com/iraclerk@vermontel.com Phone: (802) 235 - 2745

DUNS #: 35700616 Fiscal Year End Month (MM): 12

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, VTtrans 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



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, but a high priority as we received a letter dated 1/11/16 from Brian Sanderson, VTrans Project Manager -District 3. He stated that there is an issue with water run-off from Pyka Rd into/across VT 133, which is depositing debris and causing icing problems. (copy of letter attached)

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: culvert inventory

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 - State of VT Better Backroads Coordinator
Todd Eaton- State of VT Circuit Rider
Josh Carvajal - State of VT - River Management Engineer - no permit needed; see 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).

Yes



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

See project budget attached.

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

The town will provide the labor.

Requested Grant Amount (\$20,000 max Category B, \$40,000 max Categories C & D): \$ 11,332.80

Estimated Total Project Cost (including 20% local match): \$ 14,166.00

Estimated Completion Date: 11/01/2016

REQUIRED ATTACHMENTS:

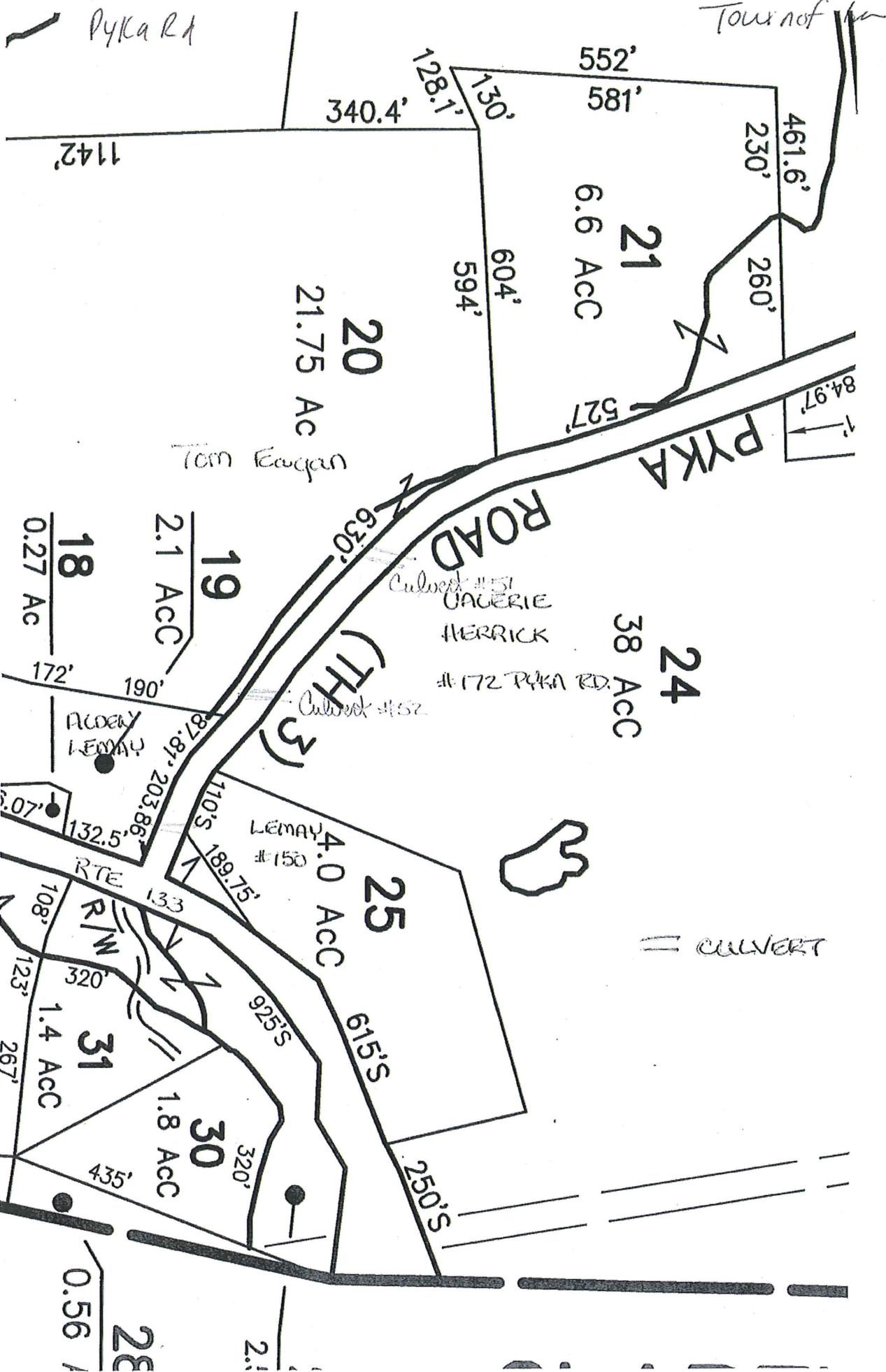
- Itemized Cost Estimate (labor, equipment, materials)
(For assistance, call Better Backroads at 802-828-4585)
- Project Location Map
(Please show location of affected water; 1:12,000 USGS map, if possible)
- Sketch of proposed erosion control measures, including:
 - Distances (ft.)
 - Estimate of waste & 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: Steve Martelle
Digitally signed by Steve Martelle
Date: 2016.04.15 11:27:05
-04'00'

Title: Select Board Chair



Town of Ira



POKA RD.

LEMAY #133

#198
MAGGON

LEMAY
#150 RTE 133

CULVERT #152
24' x 43'

81 ST.

POKA RD
140 ST.

CULVERT #51
24' x 4.5'

129 ST HERRICK #172

CUT TREES
REMOVE MORE
BANK

|||| DITCH

= CULVERT

ooo TREE
REMOVAL

FEB 2, 2016

STORM DAMAGE

CULVERTS PLUGGED / ROAD WASHED OUT

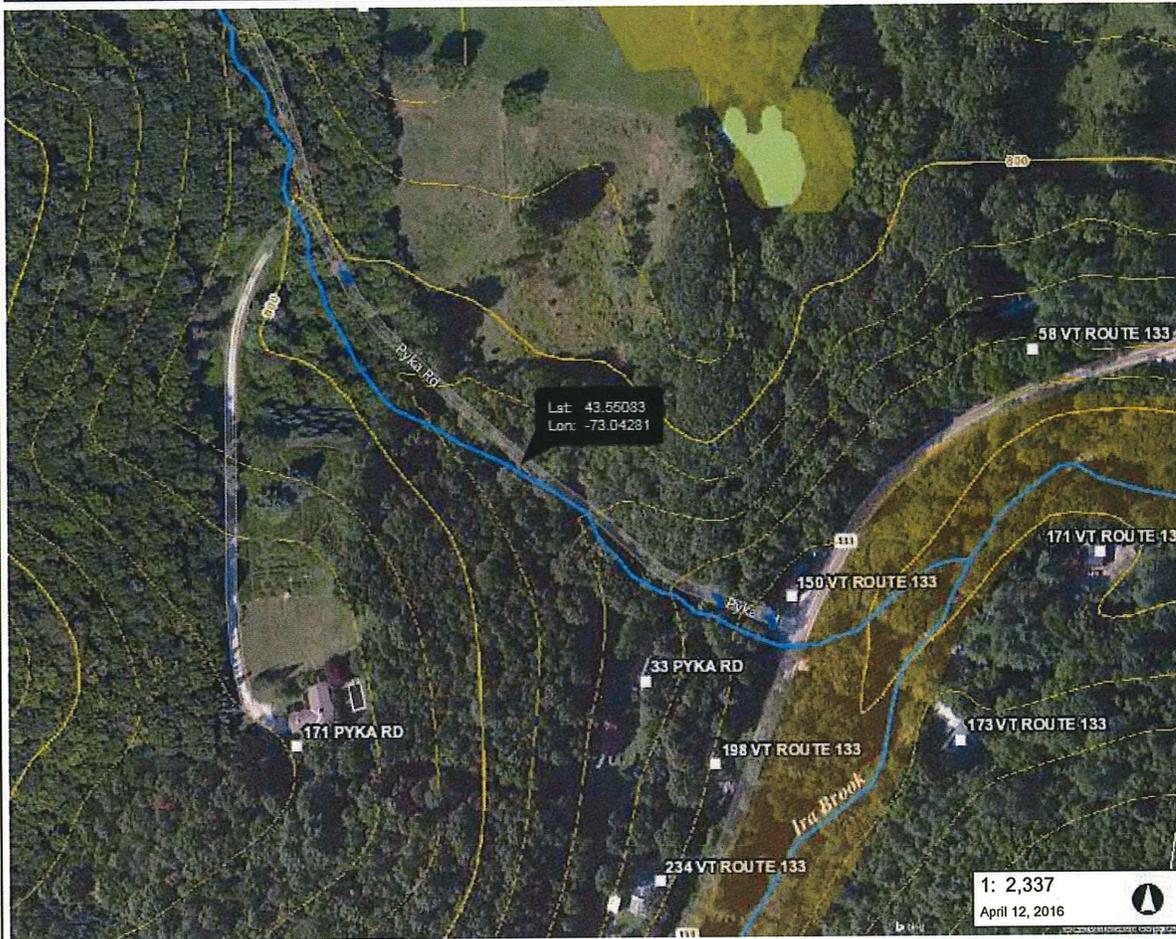
NOTE: 81' SECTION NEXT TO RTE 133 WILL BE PITCHED TOWARD THE OUTSIDE DITCH 1/4" / 1/2'



Ira_Pyka Road Drainage Improvements

Vermont Agency of Natural Resources

vermont.gov



LEGEND

- Wetlands - VSWI
 - Class 1 Wetland
 - Class 2 Wetland
- Wetlands Advisory Layer
- DFIRM Floodways
- DFIRM Preliminary Floodways
- Special Flood Hazard Areas (FEMA)
- AE (1-percent annual chance flood)
- A (1-percent annual chance floodpl)
- AO (1-percent annual chance zone feet)
- 0.2-percent annual chance flood ha
- Special Flood Hazard Areas (FDFIRM)
- AE (1-percent annual chance flood)
- A (1-percent annual chance floodpl)
- AO (1-percent annual chance zone feet)
- 0.2-percent annual chance flood ha
- Buildings (E911)
- VTRANS State and Town Long
- VTRANS State Short Structure
- Town Bridge
- Town Culvert
- Waterbody
- Stream
- Parcels (where available)
- Town Boundary

NOTES

Map created using ANR's Natural Resources Atlas

119.0 0 60.00 119.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere 1" = 195 Ft. 1cm = 23 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.

Hi Karen,

Bob and I met to discuss this project on Pyka Road that the Town plans to apply for funding under the Better Roads grant program.

Based on my field observations and the USGS Streamstats website, the round culverts that cross the road are non-jurisdictional under the Stream Alteration General Permit (SAGP) because they are not perennial streams.

If you decide to replace these culverts, I would suggest upsizing them to convey additional flows during larger storm events. The road grading to redirect runoff away from the stream and any ditch stabilization portions of this project do not need to obtain coverage under the SAGP either since these are just drainage related improvements.

Thanks and let me know if you have any questions.

Josh Carvajal, P.E. CFM
Rivers Program
Agency of Natural Resources
Department of Environmental Conservation

cell: (802) 490-6163

www.watershedmanagement.vt.gov/rivers.htm
floodready.vermont.gov

Our email addresses have changed (@vermont.gov)
NEW: joshua.carvajal@vermont.gov
Please update your address book!



State of Vermont
Operations-District #3
61 Valley View Suite #2
Mendon, VT 05701-9330
vtrans.vermont.gov

Agency of Transportation

[phone] 802-786-5826
[fax] 802-786-5894
[ttd] 800-253-0191

January 11, 2016

Town of Ira
53 West Road
Ira, VT 05777

RE: Pyka Road Drainage Issue

Dear Town Official,

There appears to be an issue with water run-off from Pyka Road into/across VT133 in the Town of Ira.

It is apparent that water run-off from the Town highway is not being guided into the existing ditch-line and the water is entering the roadway depositing debris and causing icing problems. The debris build-up and icing are causing safety issues for the travelling public and need to be resolved immediately. In addition, the water has caused a wash-out of the shoulder of VT133 behind the guardrail. The Agency has addressed the wash-out and made necessary repairs.

A solution to the problem would be for the Town to grade Pyka Road to re-establish a crown in the center of the road. This would allow for surface water to be directed to the edges of the road and sheet flow across the shoulders and into the ditch-line rather than follow the path it is currently taking into VT133.

I am hopeful that you will take action to rectify this situation. My staff and I would be willing to meet with you regarding this issue and to help the Town develop solutions to this on-going problem. I look forward to hearing from you in the near future.

Thank you.

Sincerely,

A handwritten signature in cursive script that reads "Brian Sanderson".

Brian Sanderson
VTrans Project Manager
802-786-0027
brian.sanderson@vermont.gov

Cc: Bruce Nichols – General Maintenance Manager
Jeremy Waite – Transportation Area Maintenance Supervisor
D3 Office File



