FY17 Vermont Better Roads Grant Application

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

Town/Organization: Town of Westminster Contact Person(s): Russell Hodgkins

Address: 3651 US Route 5
Street Address *Town* *Zip*

Email: Manager@westminstervt.org Phone: (802) 722 - 4255

DUNS #: 41973744 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
- [x] D. Structure/culvert upgrades

Town/Organization: Town of Westminster

Project Name: Forest Road Culvert Replacement with Catch Basins

Road Name: Forest Road TH #: 22 Structure # (if applicable): _____

Road Type: Unpaved Uncurbed

Class 3

Watershed: Directly to Saxtons River

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

Narrow road with limited room for Best Practices for storm water treatment before direct deposit into the Saxtons River.

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 project will commence at the out-fall and will go approximately 960 lineal feet x 18" culvert with six new concrete catch basins with minimum two foot sumps. This will allow the town to minimize street erosion and high flow erosion. The town is capable of doing the complete project but with limitations of time in a single season. The town will probably outsource the culvert and catch basin installation and the final road surface will be completed by the town as per the attached estimate.

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

The placements of the catch basins will be located to minimize long runs of road water hence leaving the erosion at a minimum. The purpose of the asphalt swale is to be able to narrow the ditch and minimize erosion. This asphalt swale will replace an existing asphalt swale that has worked very well in the past. As we stated above, the drop inlet catch basins along with the sumps will act as a secondary sediment control which will again place this road in the Best Practice criteria as per the grant requirements.

Distance from end of project to nearest water (stream, lake, or stormwater system that outlets directly to water). 50-250'

Progress to Date:
None. Not started.

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

The town road crew has replaced three separate sections of the clay tile pipe this past season. Upon repair the clay tile pipe has spidered cracks throughout. When this pipe fails it leaves large voids in the traveled portion of town highway 22 without warning.

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 Management Plan; Catch Basin Inventory 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.):

The Town Manager has thirty three years of excavation experience to form the estimate. Attached are letters of recommendation from Windham Regional Commission and Todd Menees, ANR Stream and Alteration Director.

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

Yes it encumbers 900 plus feet of traveled portion of Class 3 town highway 22.

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

Some. The town road crew will definitely clean up the construction site and road surface at the end of the installation as shown on the attached estimate. At this time it is unsure if the road crew will have time to install the pipe and catch basins. The matching funds at this time are figured to be time of the road crew for cleanup plus budgeted funds.

Better Roads

VTrans VERMONT AGENCY OF NATURAL RESOURCES

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

See attached budget.

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

As we stated above the crew will install the top surface of crushed gravel and the asphalt swale and any remaining monies needed will come from budgeted funds.

Requested Grant Amount ($20,000 max Category B, $40,000 max Categories C & D): $ 36,800.00

Estimated Total Project Cost (including 20% local match): $ 46,000.00

Estimated Completion Date: _____

REQUIRED ATTACHMENTS:

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

TOWN OF WESTMINSTER
RUSSELL R. HODGKINS, TOWN MANAGER
P.O. BOX 147 WESTMINSTER, VT 05158
Tel. 802-722-4255 Fax 802-722-9816
Manager@westminstervt.org

Bid for Forest Road

960' x 18" Culvert @ $ 10.50 per ft.		$ 10100
18" fittings (4)		$ 400
6 – 36" Catch Basins x 6'VF		$ 5400
1 – Trench Box Rental ($2500/wk.)		$ 2500
5 Days Compactor ($130/day)		$ 650
Total		$ 19050

40 hrs. Excavator (JD 160)		$ 4800
40 hrs. Loader (3 cu.yd.)		$ 6800
80 hrs. Labor		$ 2400
17 hrs. Roller		$ 1700
Total		$ 15700

Town Time		
8 hrs. Grader		$ 1760
100 yds Crushed Gravel del.		$ 2000
Tar Ditch (350' x 2' x 4") installed		$ 2600
Rake / Labor		$ 360
Total		$ 6720

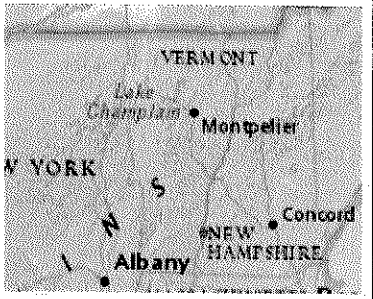
TOTAL ESTIMATE - $ 41,470.00 x 10% OHP = $ 45,750.00

VERMONT

Natural Resources Atlas

Vermont Agency of Natural Resources

vermont.gov



LEGEND

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

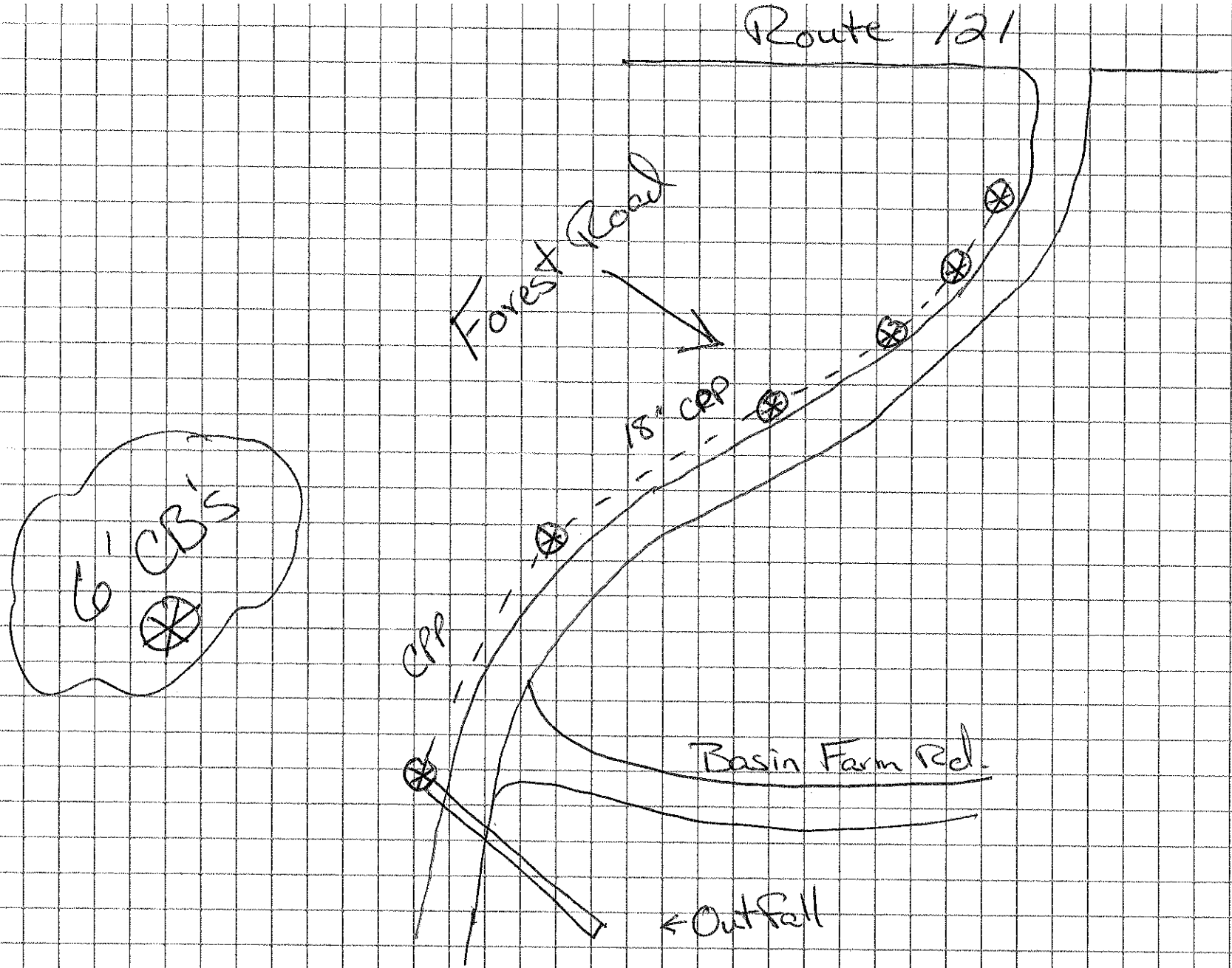
NOTES

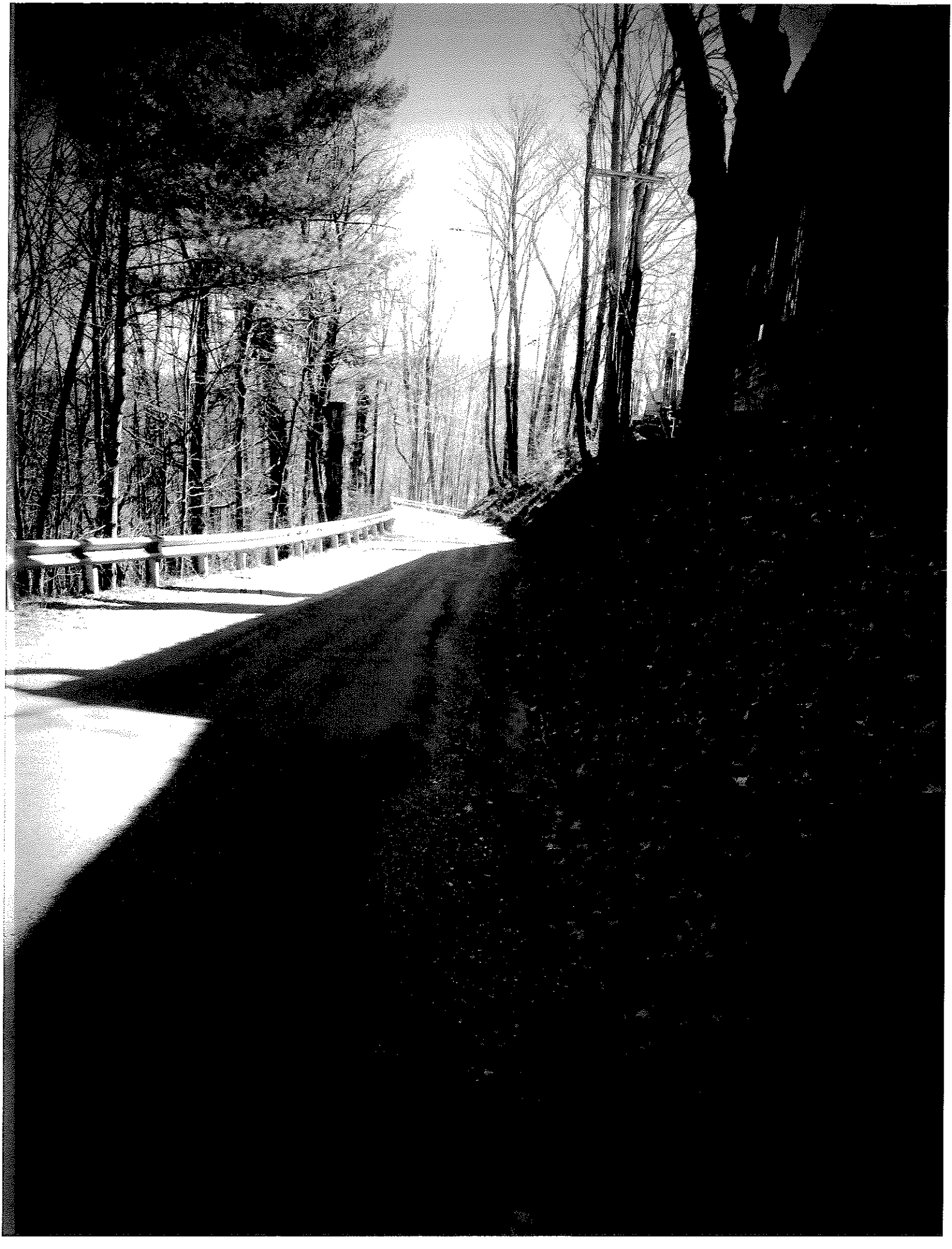
Map created using ANR's Natural Resources Atlas

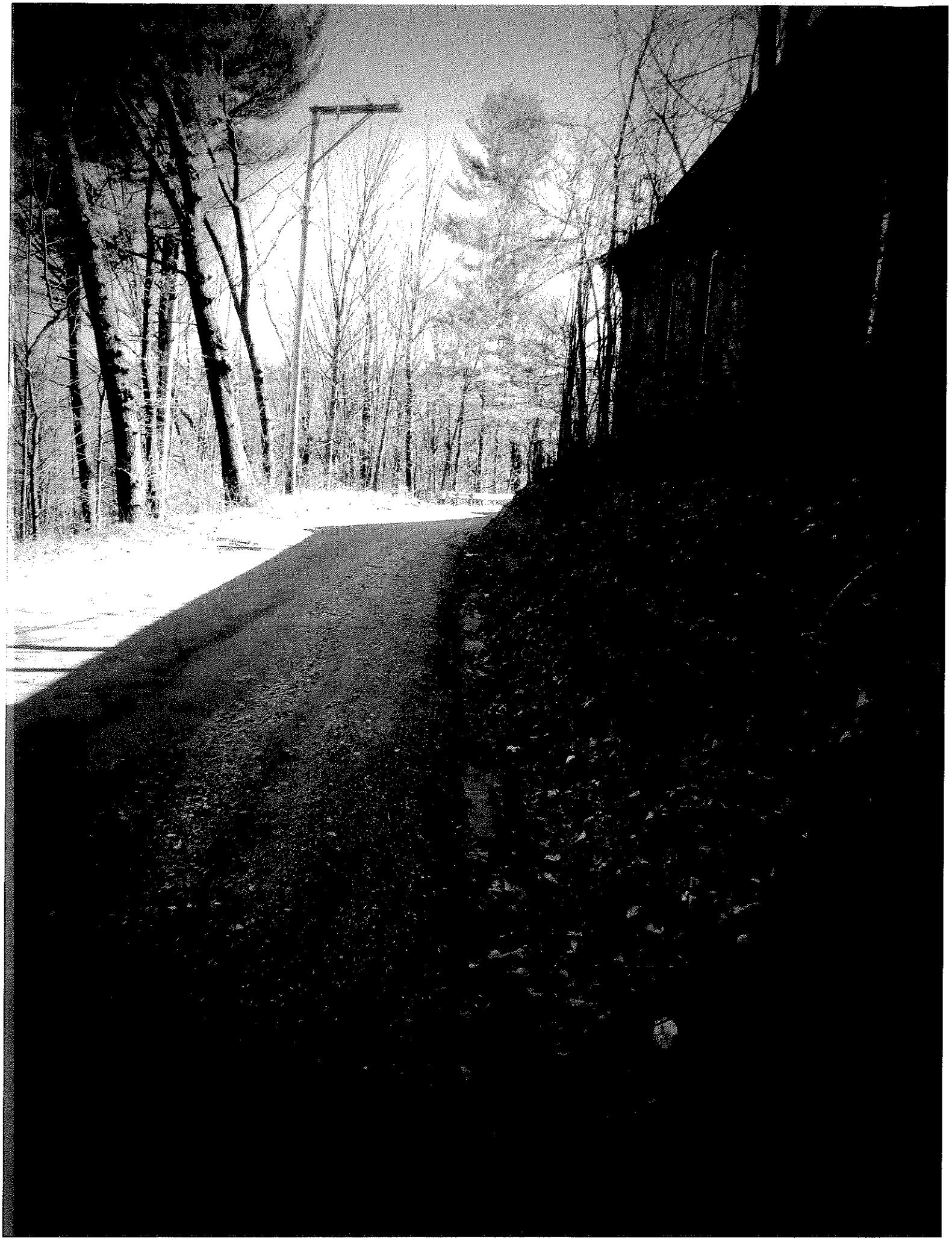
127.0 0 64.00 127.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere 1" = 208 Ft 1cm = 25 Meters

THIS MAP IS NOT TO BE USED FOR NAVIGATION


Route 121
Forest Road
18" CRP
CRP
Basin Farm Rd.
Outfall
6 - CB's





WINDHAM
REGIONAL
COMMISSION

April 6, 2016

Mr. Russ Hodgskins
Town Manager
P.O. Box 147
3651 US Route 5
Westminster, VT 05158

Dear Russ:
I am pleased to provide a letter of support for the Town of Westminster's application submission for a Category B Better Roads grant. Category A will provide an opportunity to update the town's culvert and bridge inventory; as well as conduct the road erosion inventory. For Category D, replacing the drop inlets and 900+ feet of 18" culvert, along Forest Rd. will contribute to improving the water quality of the Saxtons River. 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