



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: Gandycote

Project Name: Upper Southeast Corner

Road Name: Southeast Corner TH #: 18 Structure # (if applicable): _____

Road Type: Paved or Unpaved (circle one) Curbed or Uncurbed (circle one)

Class 1 Class 2 Class 3 Class 4 (circle one)

Watershed: Batten Kill

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

The road bed is below grade on both sides. Spring water seeps up through road. Upper portion is steep with no ditches, allowing direct discharge of sediment to Tidd Brook. Rated high risk in ANR Road Erosion Risk Analysis.

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):

Raise 420 Feet of roadbed with fabric, install stone lined ditch and an 18" culvert.

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

The new ditch will eliminate the spring seepage into the road since the road will be elevated above the ditch. New ditch and culvert will eliminate erosion and direct discharge into Tidd Brook.



Distance from end of project to nearest water (stream, lake, or stormwater system that outlets directly to water). Please circle one: 0-50' 50-250' 250'+

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: Culvert Inventory, Road Erosion Risk Analysis 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).

Yes

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

Yes Some. An excavator with an operator will work with the road crew



Describe how the grant funds will be spent and/or attach a project budget: The funds will be spent on material costs and a hired excavator w/ an operator

How do you plan to meet the required 20% match on this grant?: The town has budgeted road crew salaries and truck use as match

Requested Grant Amount (\$20,000 max Category B, \$40,000 max Categories C & D): 8,800

Estimated Total Project Cost (including 20% local match): 11,000

Estimated Completion Date: _____

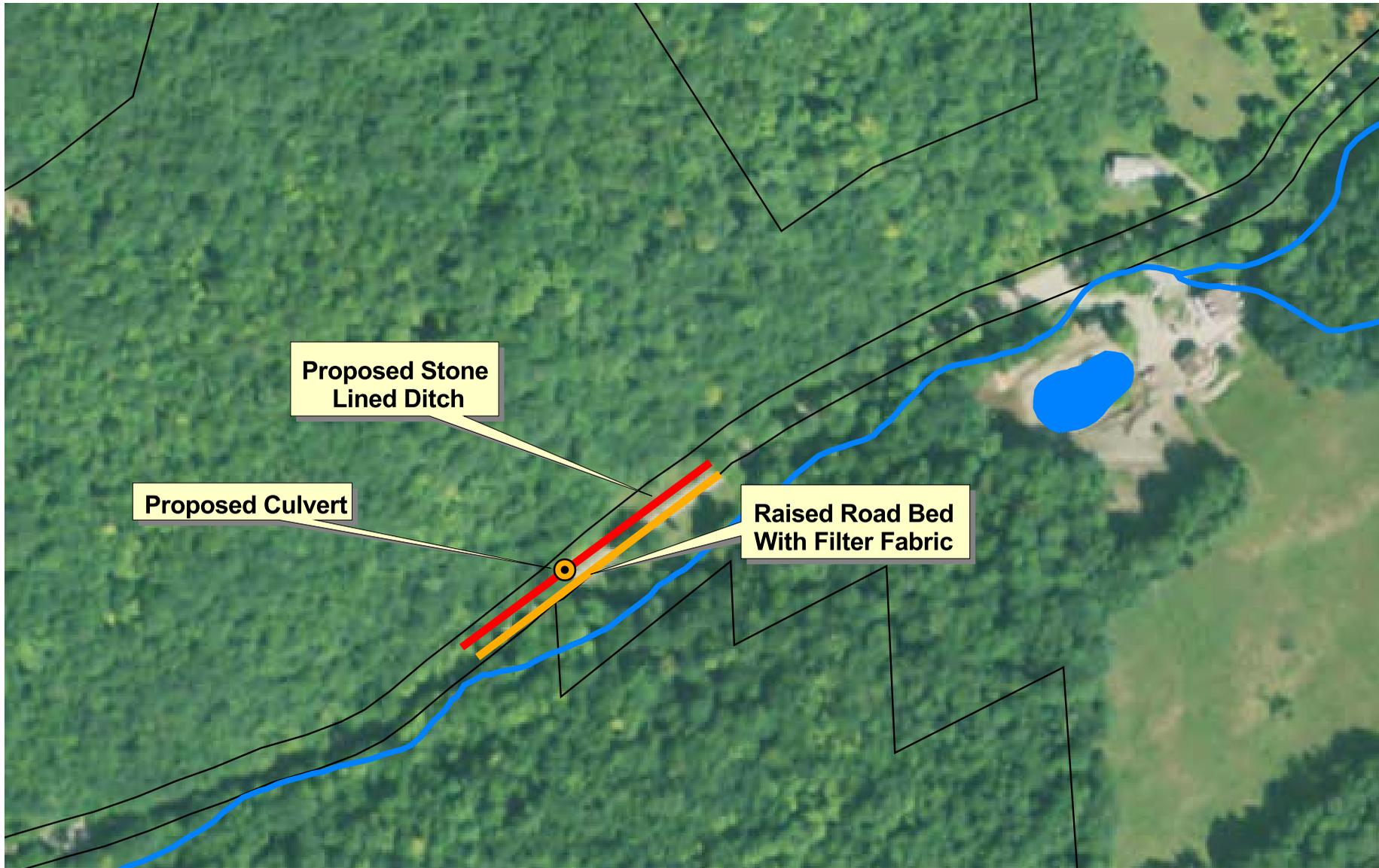
REQUIRED ATTACHMENTS:

- 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: [Signature] Title: CHAIR



Proposed Stone Lined Ditch

Proposed Culvert

Raised Road Bed With Filter Fabric

- Proposed Road Fabric
- Proposed Stone Lined Ditch
- Rivers and Streams
- Parcel Lines

Upper Southeast Corner 2017 Better Back Roads Grant Proposal Sandgate, Vermont

Scale 1:2,400











Bennington County Regional Commission

111 SOUTH STREET • SUITE 203 • BENNINGTON, VERMONT 05201 • (802) 442-0713 OR 442-0682 • FAX
(802) 442-0439

Alan May
Agency of Transportation
Municipal Assistance Bureau
1 National Life Drive
Montpelier, VT 05633

April 12, 2016

Dear Alan,

The Bennington County Regional Commission support's the Town of Sandgate's Better Road Grant Applications to perform erosion control measures on two stretches of Southeast Corners Road, the replacement of a deteriorated and undersized culvert on Rupert Road and the remedy of a road/streambed conflict on Hamilton Hollow Road. BCRC staff have visited all the project sites with Mike Hill, Sandgate Road Foreman.

The lower section of Southeast Corner Road is a high priority site for the Town. This steep stretch of road is inadequately drained, causing severe erosion and direct sediment discharge into the Green River, a high quality trout stream. The clay road base on this hill leads to an annual mud season nightmare which not only exasperates the erosion and sedimentation but has caused damage to local resident's vehicles.

The upper section of Southeast corner road requires a new roadbed and a stone lined ditch to eliminate water seepage up through the roadbed. A new culvert will also be installed.

A three foot culvert located on a hair pin curve of Rupert Road is undersized, deteriorated and perched. This culvert would be replace with an appropriately sized culvert sloped with the stream bed. Guard rails will be added along this very steep and narrow section of road.

The upper end of Hamilton Road is squeezed between a natural knoll and Hopper Brook creating a very narrow passage way. Inadequate drainage along the knoll causes stormwater to drain down the roadbed causing erosion, the transport of sediment into Hopper Brook and severe icing in the winter months. A stone lined ditch will be installed and connected to an existing culvert.

Thank you for your consideration of these very important projects.

Sincerely,



Jim Henderson

Environmental Program Manager



Bennington County Conservation District

Promoting rural livelihoods and protecting natural resources in southwestern Vermont

May 13, 2015

Board of Supervisors

Ken Leach
Chair
(Rupert)
325-2514

Jim Henderson
Vice-Chair
(Sandgate)
375-9461

Alan Calfee
Treasurer
(Dorset)
231-2555

Debbie Johnson
(Shaftsbury)
442-5945

Joe Nolan
(Arlington)
733-2143

Partners/Staff

Philip Rivara
Natural Resources
Conservation
Service Soil
Conservationist

Shelly Stiles
District Manager

Alan May
Agency of Transportation
Municipal Assistance Bureau
1 National Life Drive
Montpelier, VT 05633

Re: Town of Sandgate BBR grant application

Dear Alan,

The Bennington County Conservation District supports the Town of Sandgate's Better Back Roads grant application to implement erosion control measures on South East Corners Road in Sandgate, Vermont. This steep stretch of road is inadequately drained, causing severe erosion and direct sediment discharge into Tidd Brook and the Green River. The Green River, a high quality trout stream, is a tributary to the Batten Kill, itself one of the state's few Outstanding Resource Waters.

We encourage your team to approve the Town's request for funding.
Thank you.

Sincerely,

Shelly Stiles, district manager