



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 Waterbury

Project Name: Hubbard Farm Culvert # 3

Road Name: Hubbard Farm TH #: 31 Structure # (if applicable): 3

Road Type: Unpaved Uncurbed
Class 3

Watershed: Small stream draining to Thatcher Brook

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

Bottom of culvert is completely eroded and outlet of culvert is high above stream bank creating a large plunge pool.

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 culvert with a properly sized tube with both inlets and outlets that will help facilitate the passage of aquatic stream life. Culvert would be lengthened and road shoulder would be widened.

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

Culvert will be installed in the manner the State River Engineer recommends with the stream entering and exiting at grades that will help prevent upstream and downstream erosion and flows that will aid in aquatic life passage. Also road shoulders will be widened helping make a safer roadway.



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

Progress to Date:

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

Yes, bottom of culvert is severely eroded and future of roadway is in question.

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.):
State of Vermont Watershed Management Division River Engineer

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:
 Grant funds used to pay for purchase of culvert and installation.

How do you plan to meet the required 20% match on this grant?:
 Work to be completed by municipal crew. Excavator may need to be rented or possibly hire a contractor to do the work.

Requested Grant Amount (\$20,000 max Category B, \$40,000 max Categories C & D): _____
 Estimated Total Project Cost (including 20% local match): _____
 Estimated Completion Date: 10/15/2016

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: William Woodruff Digitally signed by William Woodruff
 DN: cn=William Woodruff, o, ou,
 email=bwoodruff@waterburyvt.com, c=US
 Date: 2016.04.01 09:58:24 -04'00'
 Title: Public Works Director



Vermont Department of Environmental Conservation

Watershed Management Division
1 National Life Drive, Main 2
Montpelier VT 05620-3522
www.watershedmanagement.vt.gov

Agency of Natural Resources

[phone] 802-828-1535
[fax] 802-828-1544

Attn: Bill Wodruff
Waterbury Town Office
28 North Main Street,
Waterbury, VT 05676
(802) 839-6199

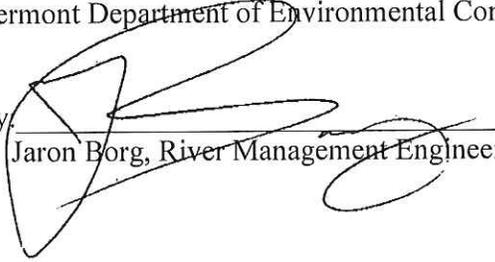
Re: Hubbard Farm Rd. (TH-31) Culvert No.3

Mr. Woodruff

Thank you for providing me with opportunity to meet with you at the project site last Wednesday, located on Hubbard Farm Rd. in Waterbury Center. At the time of our visit we looked at the proposed replacement of culvert 3, with a contributing watershed area of approximately 0.35mi². The measured bank full width of the stream was 6.5'. Due to the minimal cover over the culvert it was proposed that an arch pipe would be utilized in the replacement to meet the bank full width requirement while increasing the structure's cover. Two structures that meet the bank full requirement, outlined in section C.2.2.5. in the Vermont Stream Alteration General Permit, while allowing for increased cover have spans and widths of 6'9''x 4'11'' and 7'0''x5'1'', respectively. Either of these structures are capable of providing Aquatic Organism Passage, with proper installation, embedment and vertical alignment. Should you have any further questions or comments regarding this project please do not hesitate to contact me.

Sincerely,

Alyssa B. Schuren, Commissioner
Vermont Department of Environmental Conservation

By:  Dated April 5th, 2016
Jaron Borg, River Management Engineer

Bill Woodruff

From: Lukedoloff <ldoloff@kccvt.com>
Sent: Friday, April 15, 2016 11:43 AM
To: bwoodruff@waterburyvt.com
Cc: Jim Despres
Subject: Hubbard Farm

Bill, below you will find the budget pricing for culvert installation on Hubbard farm Rd. This price is proposed with waste block headwalls. The estimate also has bypass pipe, temp road included in the price. The budget price includes stone bedding and gravel backfill around the pipe only. General backfill above pipe and etc. is to be existing gravel excavated by the removal of the old pipe and is assumed to be suitable for reuse in the road way above new pipe.

* Price does not include ledge excavation or removal

49,995.00

Sent from my iPhone

ANNUAL FINANCIAL PLAN - TOWN HIGHWAYS
19 V.S.A. § 306(j)

TA-60

Village of Waterbury Fiscal Year 2016 Begin 01/01/2016 End 12/31/2016

INCOME

DESCRIPTION	ESTIMATED
State Funds - 19 V.S.A. Section 306(a):	
Class 1 1.492 miles	\$ 16,720.00
Class 2 7.930 miles	\$ 32,560.00
Class 3 39.76 miles	\$ 61,045.00
Town Tax Funds – 19 V.S.A. Section 307	\$ 1,304,665.00
Special Funds (e.g., bonds or earmarks):	
a. Misc. Income	\$ 23,300.00
b. Fund Balance	\$ 47,715.00
c.	\$
TOTAL	\$ 1,486,005.00

EXPENSES

DESCRIPTION	ESTIMATED
Winter Maintenance	\$ 404,042.00
Non-Winter Maintenance	\$ 586,963.00
Major Construction Projects	
a. To Capital Imp. Funds	\$ 495,000.00
b.	\$
c.	\$
TOTAL	\$ 1,486,005.00

Comments:

The transfer to the Capital Improvement Funds combined with current fund balances and grants received will fund \$390,000 of paving projects, \$320,000 of infrastructure improvements and engineering and \$150,000 of equipment purchases
 Proposed Paving: Class II, Blush Hill Rd: \$135,000. Class III: 4 streets, all together < one mile: \$250,000.

Bridge Repair: Bridge #1, \$3,000: Bridge #33, \$117,000

This form shall be signed by the appropriate town officials and forwarded to the District Transportation Administrator.
 TA-60 Rev 09-13

ANNUAL FINANCIAL PLAN - TOWN HIGHWAYS

TA-60

19 V.S.A. § 306(j)

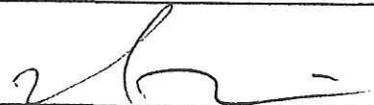
(page 2)

We, the Legislative Body of the Municipality of Waterbury certify that funds raised by municipal taxes are equivalent to or greater than a sum of at least \$300.00 per mile for each mile of Class 1, 2, and 3 Town Highway in the municipality. (19 V.S.A. 307)

 _____ Date: 4/4/16

 _____

 _____

 _____

(Duly Authorized Representatives)

The submitted Town Plan meets the requirements of Title 19, Section 306(j).

District Transportation Administrator Date: _____

**Certification of Compliance
for
Town Road and Bridge Standards
and
Network Inventory**

We, the Legislative Body of the Municipality of Town of Waterbury certify that we have reviewed, understand and comply with the Town Road and Bridge Standards / Public Works Specifications and Standards passed and adopted by the Selectboard / City Council / Village Board of Trustees on April 4, 2016.

We further certify that our adopted standards do do not meet or exceed the minimum requirements included in the January 23, 2013 VTrans template.

We further certify that we do do not have an up-to-date highway network inventory which identifies location, size, deficiencies/condition of roads, bridges, causeways, culverts and highway-related retaining walls on class 1, 2, and 3 town highways, and estimated cost of repair.





James L. Be...



Date: 4/4/16

(Duly Authorized Administrator)

For a summary of your community's road and bridge information please visit: tinyurl.com/rdsinfo

CERTIFICATE OF HIGHWAY MILEAGE
YEAR ENDING FEBRUARY 10, 2016

Fill out form, make and file copy with the Town Clerk, and mail ORIGINAL, before February 20, 2016 to:
Vermont Agency of Transportation, Division of Policy, Planning and Intermodal Development, Mapping Section
One National Life Drive, Montpelier, VT 05633.

We, the members of the legislative body of WATERBURY in WASHINGTON County
on an oath state that the mileage of highways, according to Vermont Statutes Annotated, Title 19, Section 305,
added 1985, is as follows:

PART I - CHANGES TOTALS - Please fill in and calculate totals.

Town Highways	Previous Mileage	Added Mileage	Subtracted Mileage	Total	Scenic Highways
Class 1	1.492				0.000
Class 2	7.930				0.000
Class 3	39.76				0.000
State Highway	18.462				0.000
Total	67.644				0.000
* Class 1 Lane	0.000				
* Class 4	6.44				0.000
* Legal Trail	0.00				

* Mileage for Class 1 Lane, Class 4, and Legal Trail classifications are NOT included in total.

PART II - INFORMATION AND DESCRIPTION OF CHANGES SHOWN ABOVE.

- NEW HIGHWAYS: Please attach Selectmen's "Certificate of Completion and Opening".
- DISCONTINUED: Please attach SIGNED copy of proceedings (minutes of meeting).
- RECLASSIFIED/REMEASURED: Please attach SIGNED copy of proceedings (minutes of meeting).
CL2 TH-3 (Union St) renumbered to CL2 TH-6 (disambiguation of CL2 numbering) no change in Class 2 mileage total
- SCENIC HIGHWAYS: Please attach a copy of order designating/discontinuing Scenic Highways.

IF THERE ARE NO CHANGES IN MILEAGE: Check box and sign below.

PART III - SIGNATURES - PLEASE SIGN

Selectmen/ Aldermen/ Trustees Signatures:

[Handwritten Signature]
[Handwritten Signature]
 Jane C. Brown
[Handwritten Signature]
[Handwritten Signature]

T/C/V Clerk Signature: *[Handwritten Signature]*

Date Filed: 03.07.2016

Please sign ORIGINAL and return it for Transportation signature.

AGENCY OF TRANSPORTATION APPROVAL: Signed copy will be returned to T/C/V Clerk.

APPROVED: _____
Representative, Agency of Transportation

DATE: _____

MUNICIPAL COMPLETE STREETS COMPLIANCE FORM

TO: Project File

FROM: Town of Waterbury

DATE: 3-10-2016

SUBJECT: Complete Streets Compliance Form

Act 34 became effective July 1, 2011 and requires that the needs of all transportation users, regardless of their age, ability, or preferred mode of transportation be considered in state and municipal transportation projects and project phases. This project compliance form serves to document that Complete Streets practices and principles were considered and implemented where applicable for the project listed below. This project compliance form should be completed and retained in the Town's files and a copy provided to VTrans via the Regional Planning Commission.

Road: TH# 2 Blush Hill Road

Project Description: Reclaim and resurface .3 miles of roadway

Compliance – If applicable, select all Complete Streets principles and practices that have been incorporated into the project.

- | | |
|--|--|
| <input type="checkbox"/> Sidewalks: installation, repair, ramps, railing, etc. | <input type="checkbox"/> Pavement Improvements: replacement, repair, etc. |
| <input type="checkbox"/> Crosswalks: installation, repair, markings, etc. | <input type="checkbox"/> Shoulder Improvements: widen with new pavement. |
| <input type="checkbox"/> Lighting: street or pedestrian scale. | <input type="checkbox"/> Bike/Shared Use: paths, lanes, etc. |
| <input type="checkbox"/> Signals: pedestrian features. | <input type="checkbox"/> Public Transit: bus stops, bus pullouts, kiosks, etc. |
| <input type="checkbox"/> Streetscaping: benches, bulbouts, landscaping, | <input type="checkbox"/> Other (please describe): |

Exemption – If applicable, select one.

- The use of the transportation facility by pedestrians, bicyclists or other users is prohibited by law.
- The cost of incorporating complete streets principles is disproportionate to the need or probable use.
- Incorporating complete streets principles is outside the scope of the subject project due to its very nature.

If any of the boxes under "Exemption" are checked please provide a short justification below:

The goal is to reclaim, add chloride, grade, compact and repave a portion of Blush Hill Road in Waterbury.

Non-Compliance – If none of the boxes under "Compliance" and "Exemption" are checked please draft and attach justification for not incorporating Complete Streets principles and practices into the project.

Completed:

Bill Woodruff

Public Works Director

Name

Position

Date

3-10-2016