Priority 2

FY17 Vermont Better Roads Grant Application

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

Town/Organization: Dummerston Contact Person(s): Lee Chamberlin

Address: 1523 Middle Rd. E. Dummerston, VT 05346
Street Address Town Zip

Email: townoffice@dummerston.org Phone: (802) 257 - 1496

DUNS #: 15-235-2600 Fiscal Year End Month (MM): June

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: Dummerston

Project Name: Upper Dummerston Road Culverts

Road Name: Upper Dummerston Road TH #: 4 Structure # (if applicable): see attached list

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

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

Watershed: West River

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

Culverts - short, poor, erosion around inlets + outlets.

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):

Installing 7 culverts - proper grades; making longer; using cement headers on inlets + outlets; using rip rap

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

By putting in proper length culverts, it will eliminate "slumping" of road + installing proper stone-lined cut outs before culverts will keep erosion to a minimum.

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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:
Inventory + did minor rip rap repair.

Is there an emergency reason this project must be completed quickly? If yes, please explain:
Paving 2017. Also applying for a grant for stone-lined ditch which 2 of the culverts drain into.

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.):
Emailed Todd Menees

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).
Some - please see attached

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

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

Requested Grant Amount ($20,000 max Category B, $40,000 max Categories C & D): 26,570
Estimated Total Project Cost (including 20% local match): $33,212
Estimated Completion Date: August 28, 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.

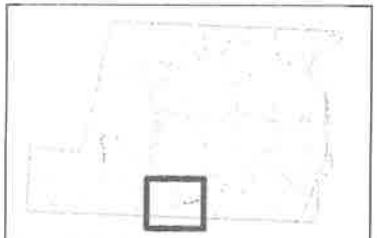
SIGNATURE OF APPLICANT: (Must be Town Administrator/Manager or Select Board Chair)

Name: Zeke Goodson Title: Selectboard Chair

BRIDGE AND STRUCTURES INVENTORY

all culverts over 3'

	ROAD NAME	STRUCTURE	SIZE	YR. BUILT	CHECKED	REASON	
	1 East West Rd.	7	8'7" by 78'	1996	excellent		
	2 East West Rd.	b-10	21' by 114'		fair	new membrain 2008	
	3 East West Rd.	b-18	26' by 36'	1935	good		
	4 East West Rd.	44	72" by 84'	2000	excellent		
	5 East West Rd.	b-51	6' by 48'	1939	good		
1	6 Park Laughton Rd.	8	5' by 20'	2016?	poor	abutment poor, boiler tube, rust	$130,000.00
6	7 Park Laughton Rd.	b-11	2-5' by 30'		fair	boiler tubes flooded before	$175,000.00
	8 Miller Rd.	b-15	9' by 26'		good		
	9 Greenhoe Rd.	b-5	6' by 40'		good	to small, flooded before	
	10 Bunker Rd.	b-6	14'6" by 100'		good		
	11 Bunker Rd.	19	48" by 40'		good		
	12 Middle Rd.	b-17	6' by 50'		good		
	13 Middle Rd.	b-22	6' by 50'		good	needs work on wing wall	
	14 Middle Rd.	b-24	6' by 40'		good		
	15 Middle Rd.	b-26	6' by 60		good		
	16 Canoe Brook Rd.	b-8	6' by 40'	2004	excellent		
5	17 Waterman Rd.	1	3' by 4'		poor	abutments poor on each end	$40,000.00
	18 Waterman Rd.	b-2	10' by 90'	2001	excellent		
	19 Tucker Reed rd.	b-9	14' by 14'		fair		
3	20 Leonard rd.		5' by 30"	2020?	poor	boiler tube, rust	$140,000.00
	21 School House Rd.	5	48' by 100'		good		
7	22 Kipling Rd.	b-1	6' by 50'		good	boiler tube	$150,000.00
	23 Dutton Farm Rd.	1	12'by62' arch	2013	excellent		$132,000.00
	24 Rice Farm Rd.	13	6' by 50'		excellent		
	25 Rice Farm Rd.	22	8' by 75'		good	boiler tube	$100,000.00
9	26 Beaver Pond Rd.		5' by 20'		good	boiler tube	$100,000.00
10	27 Beaver Pond Rd.	8	5' by 20'		good	boiler tube	$100,000.00
	28 Bear Hill Rd.	b-7	16' by 31'	2000	excellent		
	29 Stickney Brook Rd.	b-3	10' by 26'		good	needs work on wing wall	
2	30 Stickney Brook Rd.	14	43" by 30'	2018?	poor	coming apart-bent,boiler tube	$80,000.00
	31 Stickney Brook Rd.	26	8' by 50'	2011	excellent		$122,000.00
	32 Stickney Brook Rd.	46	4' by 40'		good		
4	33 Stickney Brook Rd.	b-53	66" by 35'	2022?	fair	boiler tube, seperation of joint	$140,000.00
	34 Sunset Lake Rd.	b-14	6' by 30'		good		
	35 Johnson's Curve Rd.	3	5' by 7' by 110'		fair		
	36 High Bridge Rd.	b-1	11' by 32'	2008	excellent		
	37 Covered Bridge			1997	fair	new deck 2009 new wing walls 2012	
	38 Green Iron Bridge				excellent	Rebuilt 2010- 2011	
8	39 Camp Arden Rd.	b-15	5' by 60'		fair	boiler tube,flooded before	$80,000.00
	40 Green Mt. Camp Rd.	6	6' by 80'	2002	excellent		
	41 Quarry Rd.	2	18' by 35' ,arch	2015	excellent	arch A.S.Clark	$130,000.00
	42 Ryan Rd.	b1	8' by 40'		good		



Property Location

Property Information:

The Town of Dummerston and CTI assume no liability as to the sufficiency, accuracy, or the user's interpretation of the data delineated heron. Current to April 1, 2013
This map is for assessment purposes only. It is not to be used for description, conveyance, or determination of legal title.

Scale 1:10,270
1 inch = 856 feet

0 400 800 1200 1600 2000 Feet

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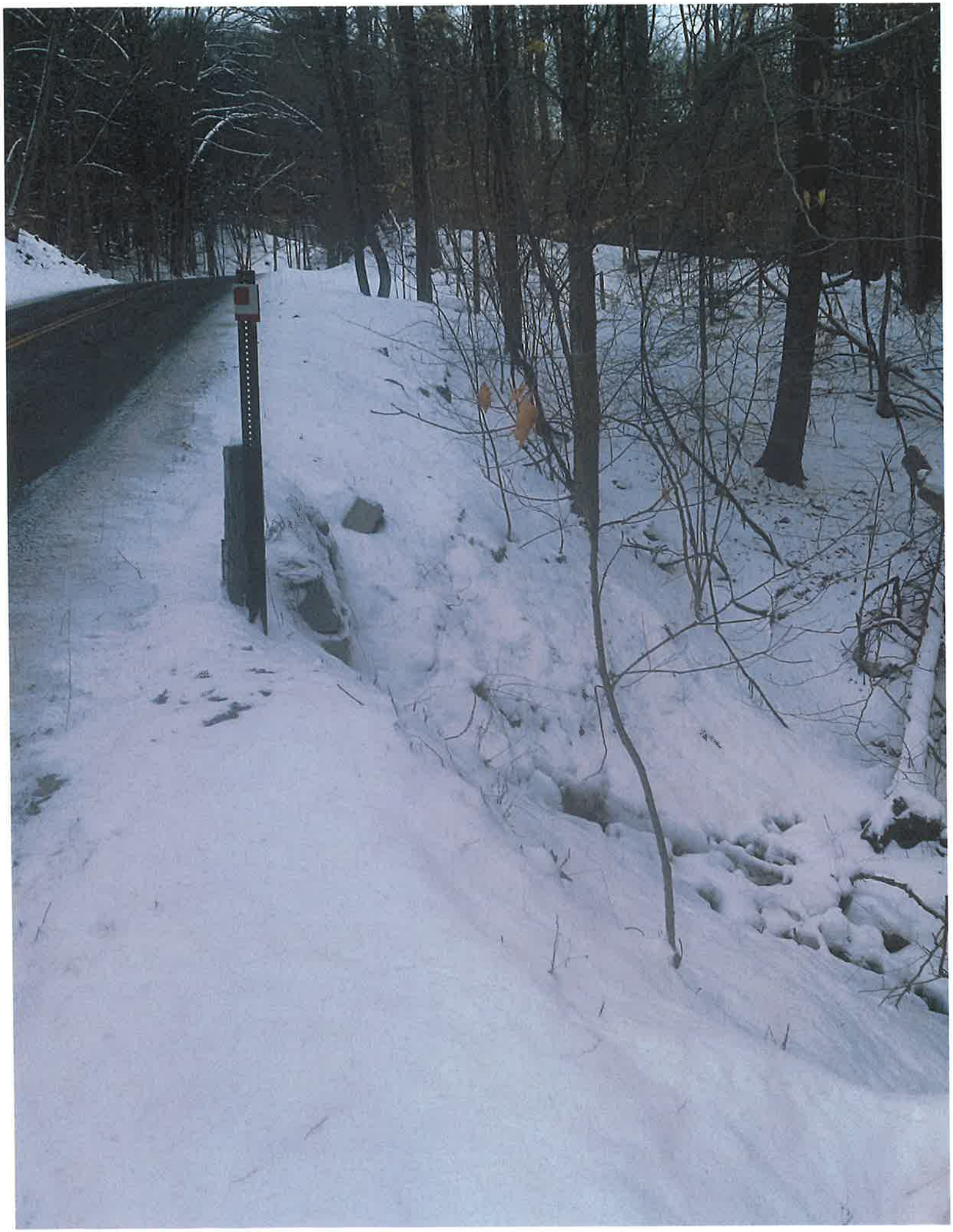
Printed on: February 8, 2016

UPPER DUMMERSTON RD CULVERTS

CULVERT	TOWN HRS	BACKHOE	DUMP TRUCK	ONE TON	GRAVEL	SUR PAC	RIP RAP	EXCAVATOR	10 WHEELER	PAVING
044-1 18" BY 40'	30 hrs	2 hrs	8 hrs	2 hrs	21 yds	7 YDS	3 yds	5 hrs	2 hrs	4 tons
044-2 2'BY 50'	30 hrs	2 hrs	8 hrs	2 hrs	21 yds	7 YDS	7 YDS	8 hrs	2 hrs	5 tons
044-5 3' BY 40'	40 hrs	3 hrs	10 hrs	3 hrs	28 yds	7 YDS	28 yds	8 hrs	5 hrs	6 tons
044-6 3' BY 40'	40 hrs	3 hrs	10 hrs	3 hrs	28 yds	7 YDS	28 yds	8 hrs	5 hrs	6 tons
044-7 18" BY 40'	20 hrs	2 hrs	4 hrs	2 hrs	21 yds	7 YDS	21 yds	5 hrs	3 hrs	4 tons
044-8 18" BY 45'	20 hrs	2 hrs	4 hrs	2 hrs	21 yds	7 YDS	21 yds	5 hrs	3 hrs	4 tons
044-9 3' BY 40'	50 hrs	3 hrs	10 hrs	3 hrs	28 yds	7 YDS	48 yds	10 hrs	8 hrs	6 tons
total	230 hrs	17 hrs	52 hrs	17 hrs	168 yds	49 yds	184 yds	49 hrs	28 hrs	35 tons
	$27 per hr	$33.00	$35.00	$20.00	$12 yd	$15 yd	$18 yd	$140.00	$85 hr	$100 ton
	$6,210.00	$561.00	$1,820.00	$340.00	$2,016.00	$735.00	$3,312.00	$6,860.00	$2,380.00	$3,500.00

CULVERT	85' of 18"	$10.04	$853.40	highway	$8,931.00
	50' of 2'	$15.30	$765.00	contractor	$13,240.00
	120' of 3'	$28 ft	$3,360.00	materials	$11,041.00
WATER PUMP	5 days	$50 per day	$250.00		
COMPACTOR	7 days	$50 per day	$250.00	total	$33,212.00
waste	196 yds				
reuse	140 yds				

Town of DUMMERSTON
Bridge and Culvert Inventory (Partial Listing of Attributes)

TH-Starting Location	Location	Type	Size	Lath	Dep	Cond	Comments	Instl Date	NORTHING	EASTING	Culvert #		
TH-4 UPPER DUMMERSTON Rd	105' from north end of Rt 30	Riveted Metal Tar	15"	35'	24"	Fair			45327.67733	491518.83	044 1		
	350' from north end of Rt 30	Riveted Metal Tar	24"	40'	18"	Fair			45258.25905	491519.48	044 2		
	955' from north end of Rt 30	Riveted Metal Tar	15"	30'	12"	Good			45081.62158	491534.69	044 3		
	1680' from north end of Rt 30	Lay ed stone Riveted	3' x	15'/	18"/	Poor			44877.29358	491572.66	044 4		
	2490' from north end of Rt 30	Riveted Metal Tar	36"	30'	18"	Fair	short		44647.32815	491568.72	044 5		
	3130' from north end of Rt 30	Riveted Metal Tar	18"	30'	5'	Fair	short		44472.18013	491618.26	044 6		
	3290' from north end of Rt 30	Riveted Metal Tar	15"	30'	24"	Poor			44421.01179	491639.58	044 7		
	3560' from north end of Rt 30	Stone Lay ed	2' x	30'	18"	Fair	short		44355.00926	491689.00	044 8