

VTrans' Grant Programs Related to "Clean Water" - SFY18

Municipal Mitigation Assistance Program

- **Better Roads**
- **Municipal Highway and Stormwater Mitigation Program**

Transportation Alternatives Program



Ditching, St. Johnsbury



Retention Pond, South Burlington



Gravel Wetland, St. Albans



Vermont Better Roads Program

The Vermont Better Roads Program (formerly known as the Better Backroads Program) started in 1997 to provide towns with funding and technical assistance to implement cost-effective techniques that reduce erosion on town roads while enhancing water quality. Grant funds are provided by the Agency of Transportation in partnership with the Agency of Natural Resources. There are four categories of grants: A, B, C and D.



CATEGORY A GRANTS

Category A grants are for planning and provide funding to conduct a road erosion inventory, prioritize identified projects and develop a budget plan to implement the projects over a period of time.

Maximum grant award: \$8,000

Required local match: 20%



CATEGORY B GRANTS

Category B grants are for construction projects that correct an erosion problem and/or stormwater mitigation retrofit to the road drainage system that will result in improved water quality. Examples of eligible projects in this category are the installation of grass or stone lined ditches, rain gardens that treat road runoff, or drop inlet rehab/replacement.

Maximum grant award: \$20,000

Required local match: 20%



CATEGORY C GRANTS

Category C grants are for construction projects that correct a streambank, lake shore or other slope related erosion problem on town roads.

Maximum grant award: \$40,000

Required local match: 20%



CATEGORY D GRANTS

Category D grants are for structure/culvert upgrade projects. These grants can be used to replace multiple small culverts or a larger structure.

Maximum grant award: \$40,000

Required local match: 20%

SFY18 Better Roads Program:

Summary of Funding Amounts

Funding FED Amount	Funding TFund Amount	Funding CFW Amount	Funding Bond Amount	Total Award Amount	Total Demand Amount	Total Unfunded Amount
\$546,652.81	\$1,138,734.00	\$1,102,582.00	\$400,000.00	\$3,187,968.81	\$4,364,947.54	\$1,176,978.7

Summary of Category Project Types

Cat	Funding FED Amount	Funding Fed Count	Funding TFund Amount	Funding TFund Count	Funding CFW Amount	Funding CFW Count	Funding Bond Amount	Funding Bond Count	Total Award Amount	Total Award Count	Total Demand Amount	Total Demand Count	Total Unfunded Amount	Total Unfunded Count
A	\$546,652.81	78	\$0.00	0	\$0.00	0	\$0.00	0	\$546,652.81	78	\$546,652.81	78	\$0.00	0
B	\$0.00	0	\$1,135,326.00	68	\$84,900.00	5	\$0.00	0	\$1,220,226.00	73	\$1,494,060.94	91	\$273,834.90	18
C	\$0.00	0	\$0.00	0	\$347,979.00	13	\$80,000.00	2	\$427,979.00	15	\$641,700.89	18	\$213,721.89	3
D	\$0.00	0	\$3,408.00	1	\$669,703.00	27	\$320,000.00	8	\$993,111.00	36	\$1,682,532.90	60	\$689,421.90	24
Total	\$546,652.81	78	\$1,138,734.00	68	\$1,102,582.00	44	\$400,000.00	10	\$3,187,968.81	202	\$4,364,947.54	247	\$1,176,978.7	45

Total of anticipated improvements? In addition to all the road erosion inventories, there will be improvements on close to 30 miles of municipal roadway and on 225 structures

Scoring Criteria to include –

- Will the project employ best management practices?
- Have water quality benefits been articulated?
- Is the work to be done on a hydrologically connected segment?
- Has the project been identified through a road erosion inventory, capital basin plan or some other planning process?
- Does the proposed project appear to be cost effective?

Selection committees include technical experts from Municipal Assistance, VTrans Environmental, VTrans Vermont Local Roads, VTrans Districts and staff from Agency of Natural Resources, Department of Environmental Conservation. This includes staff from the Stormwater Program, Rivers Program and the Lakes and Ponds Program.

SFY18 Municipal Highway and Stormwater Mitigation Program:

Same criteria as Transportation Alternatives Program –

Grants funded through this program must have a transportation link. The enabling legislation that determines eligibility follows:

Any environmental mitigation activity, including pollution prevention and pollution abatement activities and mitigation to address stormwater management, control, and water pollution prevention or abatement related to highway construction or due to highway runoff.

VTrans has identified the following as potentially eligible project types:

- Planning Studies (stormwater inventories, flow restoration plans, phosphorus control planning)
- Salt/Sand Sheds
- Vactor Trucks/High Efficiency Sweepers
- Bank Stabilization
- Culvert Replacement/ Re-sizing
- Stream Bank Stabilization
- Detention Ponds
- Check Dams
- Swirl Separators
- Permeable Pavers
- Infiltration Basins
- Gravel Wetlands
- Subsurface Detention Systems
- Bio Filters
- Bio Retention Systems

Stormwater treatments generally treat co-mingled runoff from highways and other sources such as roofs and parking lots. Federal funds can only participate in project costs proportionate to the percentage of highway runoff per the Federal Highway Administration. The Legislature appropriated Capital Bill funds that will allow the non-highway runoff to be treated with the highway runoff in one project.

31 applications were received with requests totaling \$9.2 million in federal funds and \$1.8 million in state (Capital Bill) funds.

Selection committee consisted of technical staff from VTrans – Municipal Assistance Bureau staff, stormwater staff (Environmental and Maintenance), hydraulics staff and a Regional Planning Commission representative.

VTrans FY18 Municipal Highway and Stormwater Mitigation Program

Town	Project Number	Project Description	Federal Funds	State Funds*	Local Funds	Total [#]
Colchester	STP MM18(1)	Phosphorous Control Plan (scoping)	\$40,000	\$0	\$10,000	\$50,000
Essex Jct	STP MM18(2)	Phosphorous Control Plan (scoping)	\$40,000	\$0	\$10,000	\$50,000
South Burlington	STP MM18(3)	Scoping for replacement of pre-existing culvert on Kimball Ave./Marshall Ave.	\$66,240	\$0	\$16,560	\$82,800
Bennington**	STP MM18(4)	Design and construction of salt shed	\$340,000	\$0	\$85,000	\$425,000
Brandon	STP MM18(5)	Design and construction of bio-swales along Park St.	\$308,800	\$0	\$77,200	\$386,000
Bridport	STP MM18(6)	Design and construction of concrete box culvert on Basin Harbor Rd.	\$343,248	\$0	\$85,812	\$429,060
Brookline	STP MM18(7)	Design and construction of salt shed	\$188,000	\$0	\$47,000	\$235,000
Burlington	STP MM18(8)	Construction of various SW management practices along Main St.	\$475,000	\$0	\$118,750	\$593,750
Essex Town	STP MM18(9)	Design and construction of retrofit of two SW detention ponds at LDS Church off Essex Way	\$478,265	\$598,683	\$269,237	\$1,346,185
Highgate	STP MM18(10)	Design and construction of slope stabilization along Machia Rd.	\$734,800	\$0	\$183,700	\$918,500
Hyde Park	STP MM18(11)	Design and construction of retrofit to existing drainage system along Johnson St. Ext. and W Main St.	\$435,825	\$0	\$108,956	\$544,781
Moretown	STP MM18(12)	Design and construction for replacment of existing drainage system along VT100B	\$204,524	\$0	\$51,131	\$255,655
Pittsford	STP MM18(13)	Design and construction of salt shed	\$173,317	\$0	\$43,329	\$216,646
Rockingham	STP MM18(14)	Purchase of high-efficiency vector truck	\$300,000	\$0	\$75,000	\$375,000
Rutland	STP MM18(15)	Design and construction of gravel wetland along Randbury Rd.	\$121,344	\$131,456	\$63,200	\$316,000
Shoreham	STP MM18(16)	Design and construction of concrete box culvert on Buttolph Rd.	\$292,044	\$0	\$73,011	\$365,055
South Burlington	STP MM18(17)	Design and construction of expansion of Bartlett Brook SW treatment system off US 7	\$123,988	\$251,732	\$93,930	\$469,650
Woodstock	STP MM18(18)	Purchase of high-efficiency vector truck	\$216,800	\$0	\$54,200	\$271,000
			\$4,882,195	\$981,871	\$1,466,017	\$7,330,083

* State funds are Capital Bill funds

** Declined by municipality after award was granted

All projects are 80% combination of fed/state and 20% local

SFY18 Transportation Alternatives Program:

Projects have not yet been chosen – selection to occur in February, 2018. In SFY18, all Transportation Alternatives Program (TAP) funds will go to environmental mitigation. Criteria as shown above for Municipal Highway and Stormwater Mitigation Program. However, there will not be any state funds through the Capital Bill and project awards are capped at \$300,000 in federal funds. Below is what was awarded in SFY17 – using one half on the available funding.

Highway and Stormwater Awards for SFY17				
Town/ Sponsor	Description	Local Match (20%)	Federal Request (80%)	Federal Funding + Local Match
South Burlington	Design & construction of a stormwater infiltration basin & drainage infrastructure along Picard Circle	\$57,400	\$229,600	\$287,000
Enosburg	Design a new municipal salt & sand shed at the town highway garage	\$75,000	\$300,000	\$375,000
Williston	Design & construct of critical drainage areas (approximately 1,500 linear feet of infiltration trench) at the Lamplite Acres residential neighborhood.	\$75,000	\$300,000	\$375,000
Chester	Replacement of an elliptical 11 ft culvert with a larger galvanized steel multiplate culvert	\$75,000	\$300,000	\$375,000
		\$282,400	\$1,129,600	\$1,412,000

7 applications were submitted requesting \$1,570,884 in federal funding.

In SFY18, 25 applications were received – these will be sent out for review by the committee right off. Total amount of federal funding requested is \$6,001,265.