

# Municipal Mitigation Grant Program

In SFY17, the Program consisted of the [Better Roads Program](#) which has been in existence for 20 years.

Funding in SFY17 as appropriated:

➤ Federal Funds:	\$200,000
➤ T Funds:	\$1,240,000
➤ CW Funds:	<u>\$1,465,000</u>
	\$2,905,000

The Vermont Better Roads Program provides technical support and grant funding to municipalities to promote the use of erosion control and maintenance techniques that save money while protecting and enhancing water quality around the State.

# SFY2017 Program:

- **Category “A” Grants** (Road Erosion Inventory and Capital Budget):
- Capped at \$10,000 per project  
\$8,000 (state) \$2,000 (local)
- 62 Projects, awarded in every county



# SFY2017 Program:

- **Category “B” Grants:** Correction of road erosion problems and stormwater mitigation/retrofits for both gravel & paved roads:
- Examples of work: stone or grass lined ditches, turnouts, stone check dams, splash pools, rain gardens, swirl concentrator devices, dry wells, gravel wetlands, level spreaders
- Capped at \$25,000 per project, \$20,000 state and \$5,000 local
- 81 Projects awarded. Example project completed in Fairfield a few years ago.



4/25/2014



9/02/2014



# SFY2017 Program:

- **Category “C” Grants:** Correction of stream bank or slope - related problem.
- Examples of work: stream bank stabilization or restoration, stone lined slopes.
- Capped at \$50,000 per project, \$40,000 state and \$10,000 local
- Consultation with ANR Stream Alteration program and/or US Army Corp required
- 14 Projects – example project in Johnson on Foote Brook Rd. Granted just under \$16,000 in SFY17.



# SFY2017 Program:

- **Category “D” Grants:** Structure/culvert upgrades:
- Examples of work: culvert and structure upgrades & replacements and culvert head gut and gully stabilization
- Capped at \$50,000 per project, \$40,000 state and \$10,000 local
- 39 Projects – project shown at right is from SFY16 in Duxbury. They had estimated if catastrophic failure that about 700 CY of sediment would be dumped into stream and damage infrastructure downstream.



PRE-CONSTRUCTION UPSTREAM END



POST-CONSTRUCTION UPSTREAM END



# Summary of SFY17 Better Roads Program

## Summary of Funding Amounts

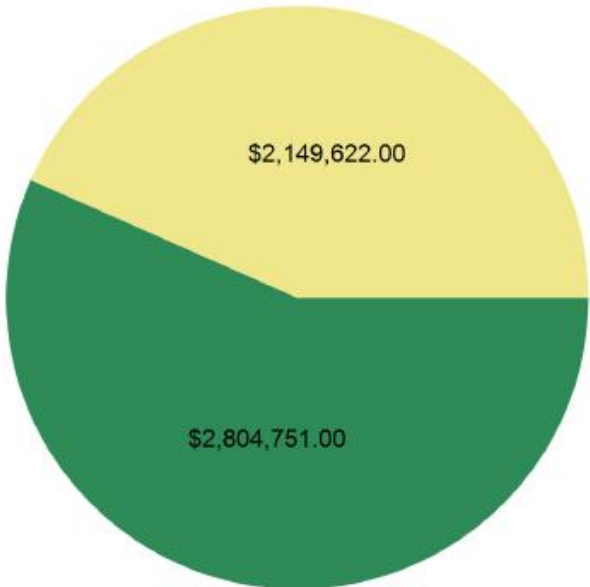
Funding FED Amount	Funding TFund Amount	Funding CFW Amount	Total Award Amount	Total Demand Amount	Total Unfunded Amount
\$200,263.00	\$1,139,640.00	\$1,464,848.00	\$2,804,751.00	\$4,954,373.00	\$2,149,622.00

## Summary of Category Project Types

Cat	Funding FED Amount	Funding Fed Count	Funding TFund Amount	Funding TFund Count	Funding CFW Amount	Funding CFW Count	Total Award Amount	Total Award Count	Total Demand Amount	Total Demand Count	Total Unfunded Amount	Total Unfunded Count
A	\$200,263.00	28	\$126,610.00	22	\$76,159.00	12	\$403,032.00	62	\$413,032.00	63	\$10,000.00	1
B	\$0.00	0	\$522,414.00	36	\$676,426.00	45	\$1,198,840.00	81	\$2,033,837.00	134	\$834,997.00	53
C	\$0.00	0	\$40,392.00	2	\$230,726.00	12	\$271,118.00	14	\$710,247.00	33	\$439,129.00	19
D	\$0.00	0	\$450,224.00	17	\$481,537.00	22	\$931,761.00	39	\$1,797,257.00	80	\$865,496.00	41
Total	\$200,263.00	28	\$1,139,640.00	77	\$1,464,848.00	91	\$2,804,751.00	196	\$4,954,373.00	310	\$2,149,622.00	114

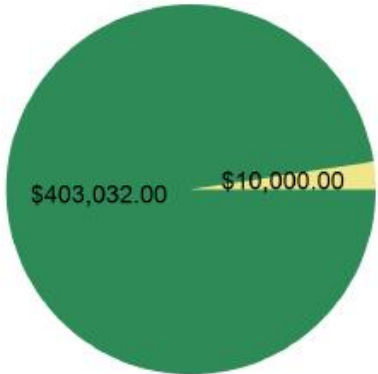
# Demand vs Amount Awarded

### Overall Demand vs Amount Awarded



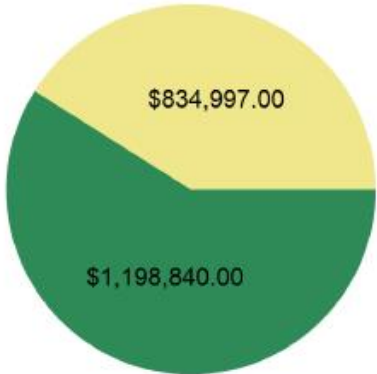
**Total Demand: \$4,954,373.00**  
Total Awarded Amount - 56.61 %  
Total Unfunded Amount - 43.39 %

### Category A Demand vs Amount Awarded



**Total Demand: \$413,032.00**  
Total Awarded Amount - 97.58 %  
Total Unfunded Amount - 2.42 %

### Category B Demand vs Amount Awarded



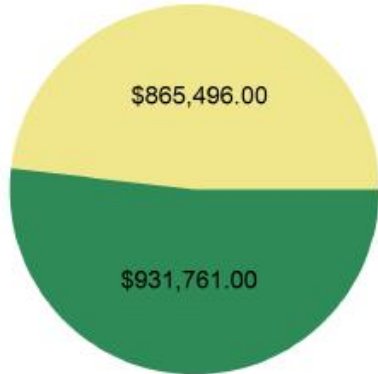
**Total Demand: \$2,033,837.00**  
Total Awarded Amount - 58.94 %  
Total Unfunded Amount - 41.06 %

### Category C Demand vs Amount Awarded



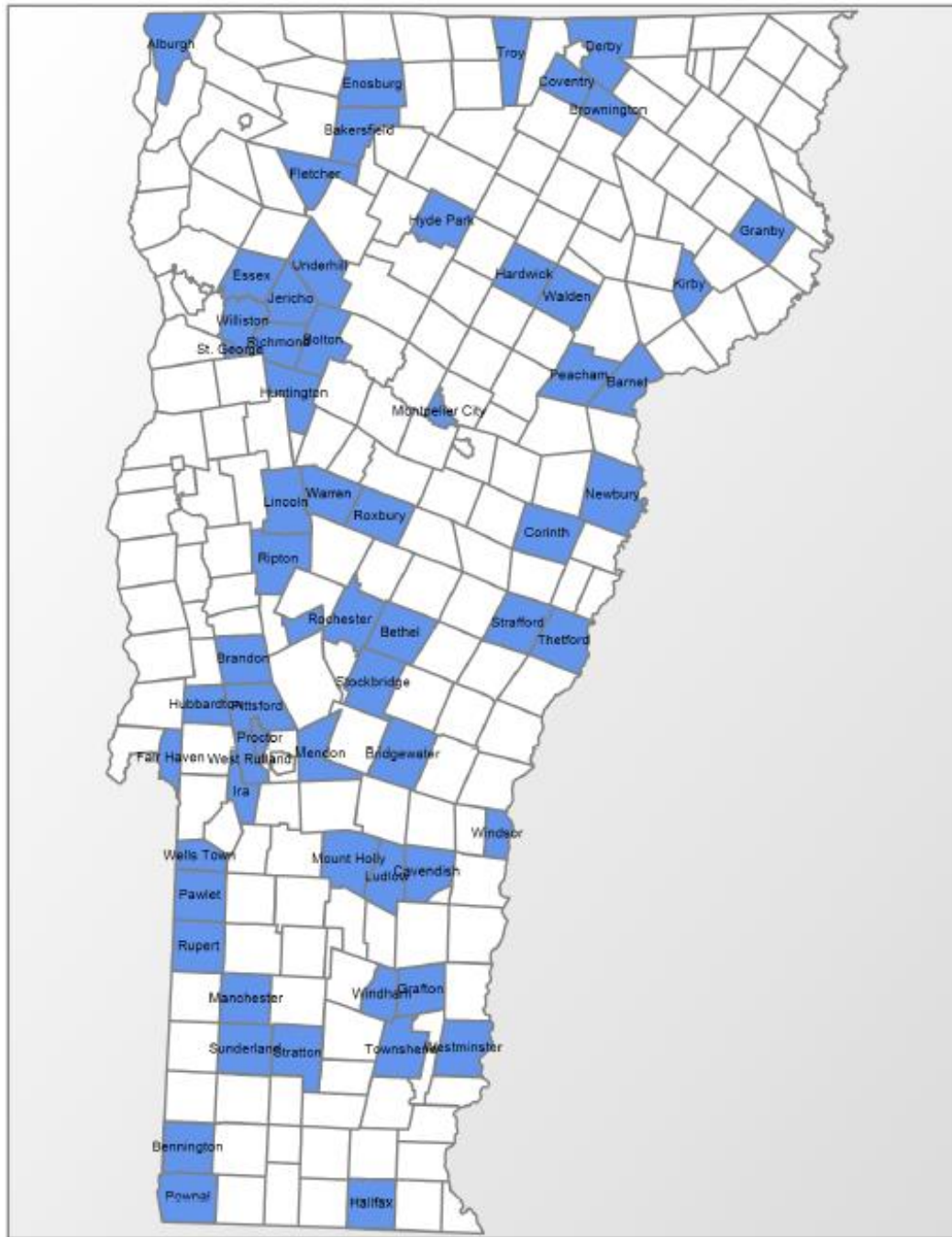
**Total Demand: \$710,247.00**  
Total Awarded Amount - 38.17 %  
Total Unfunded Amount - 61.83 %

### Category D Demand vs Amount Awarded

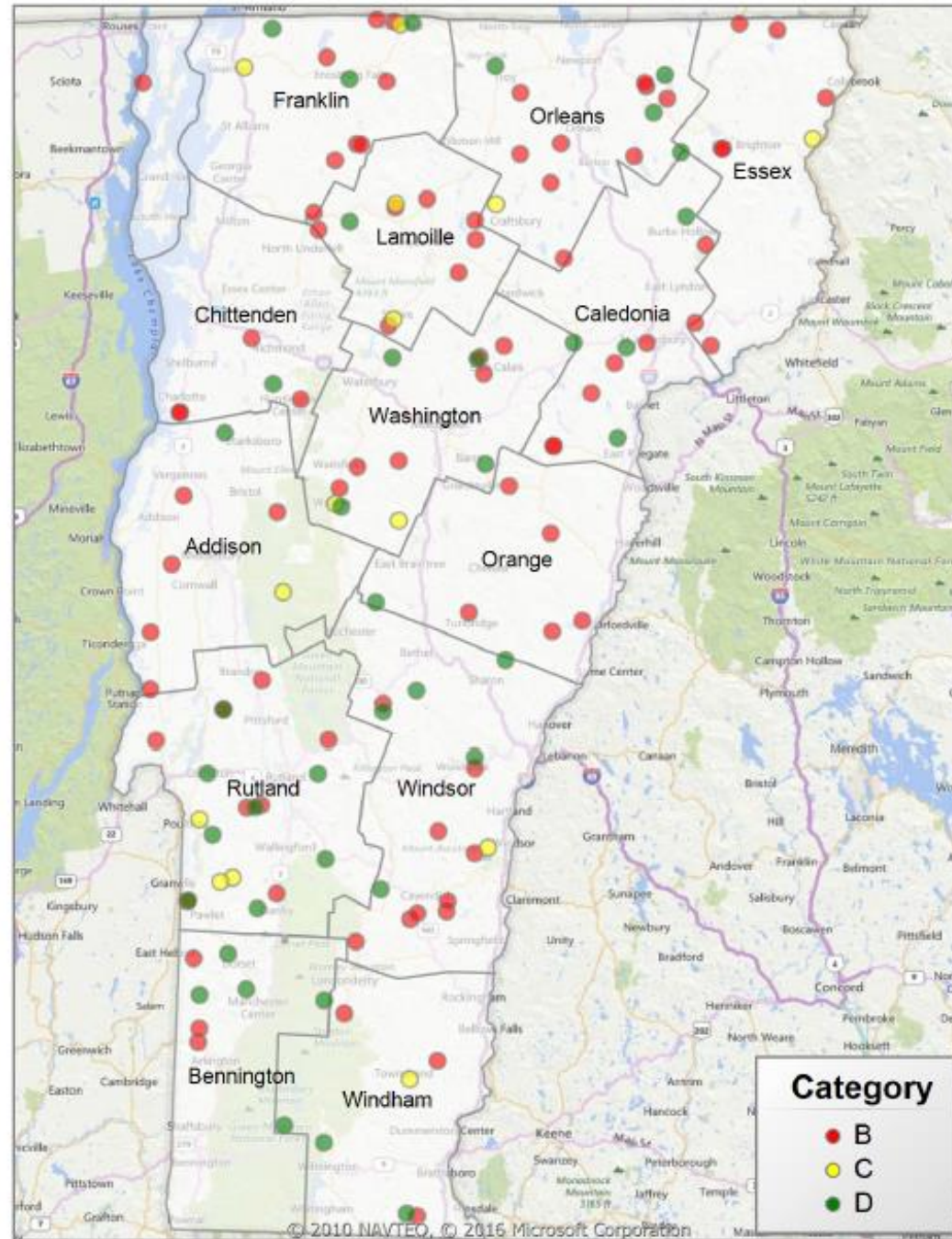


**Total Demand: \$1,797,257.00**  
Total Awarded Amount - 51.84 %  
Total Unfunded Amount - 48.16 %

**Towns Awarded Category A Grants**

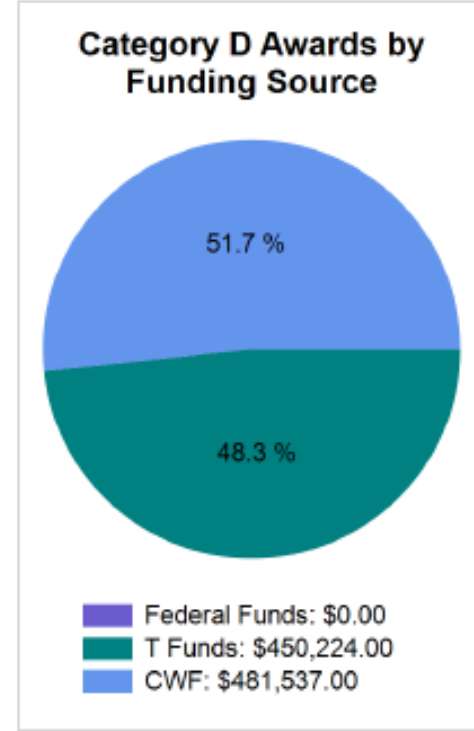
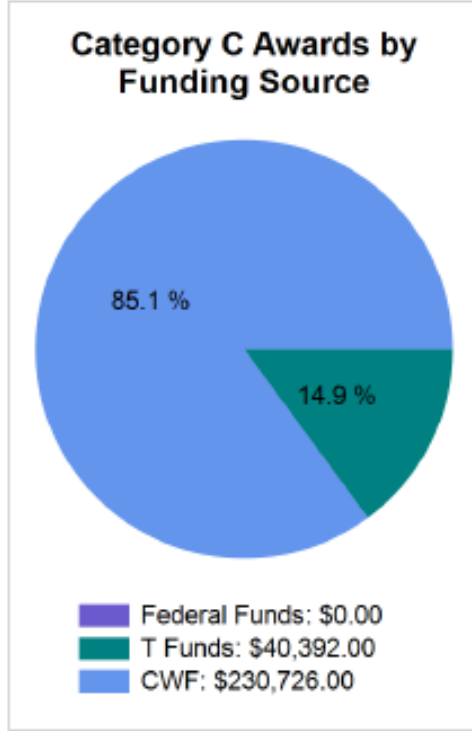
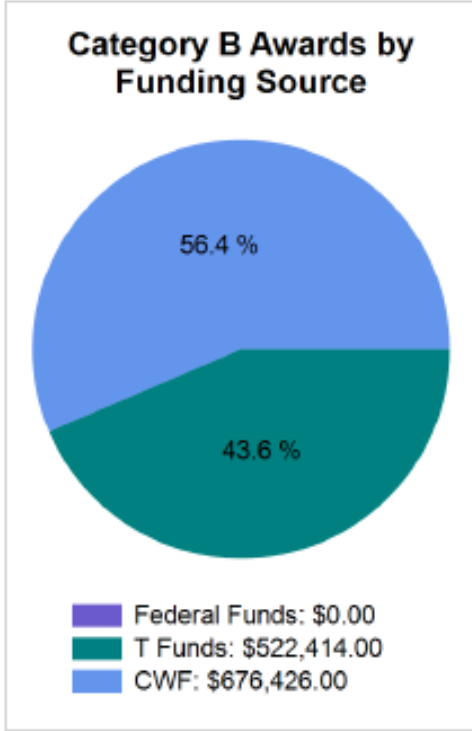
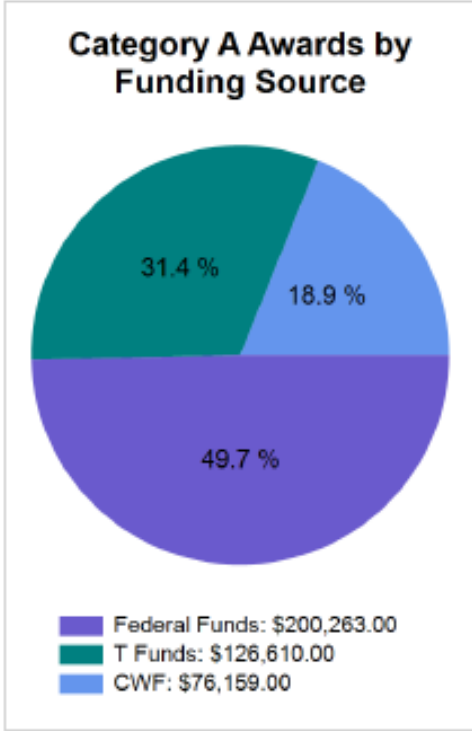
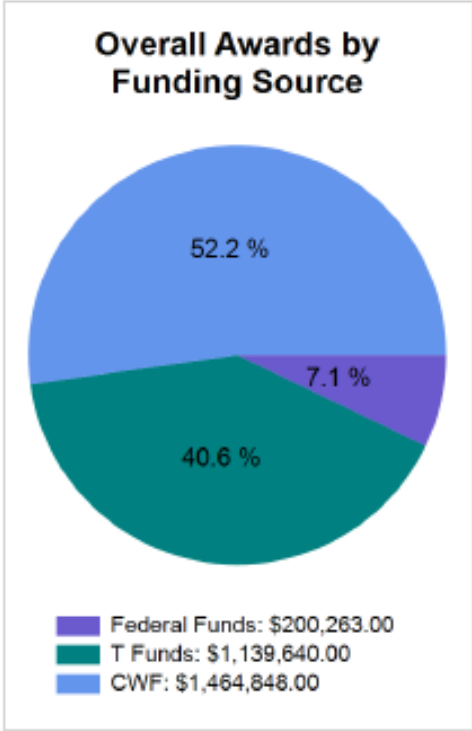


**Locations for Categories B, C, and D Projects**

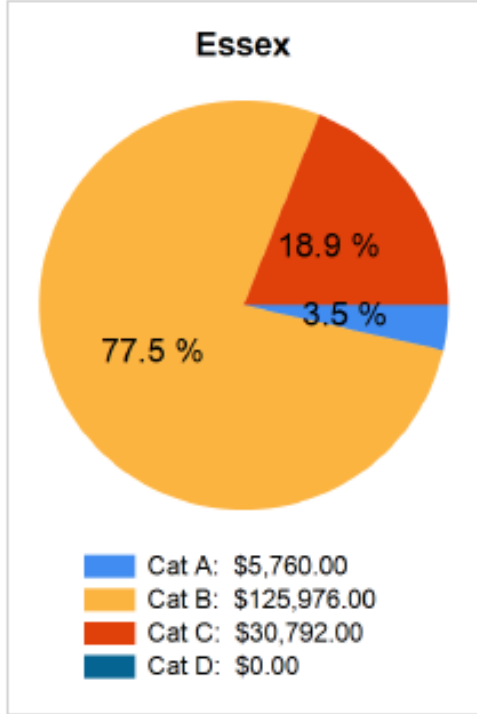
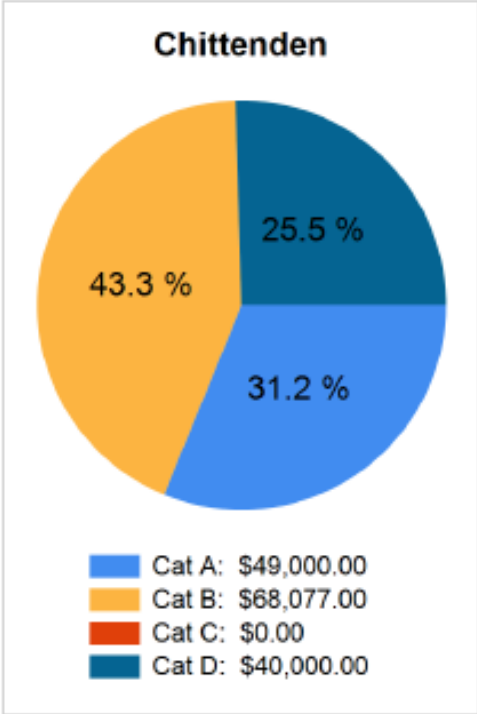
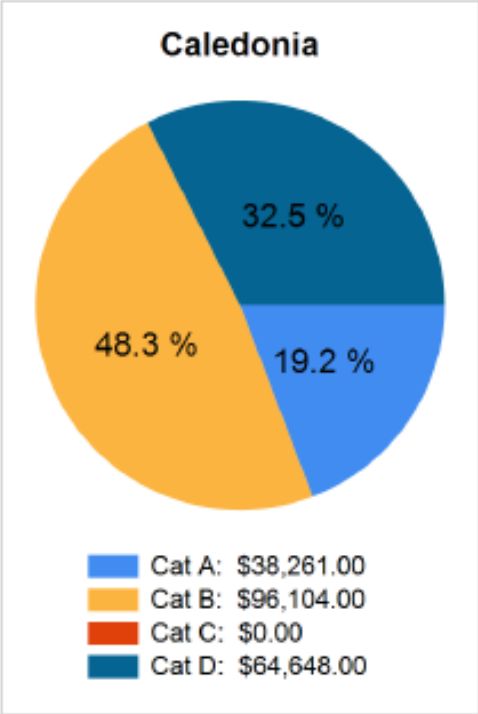
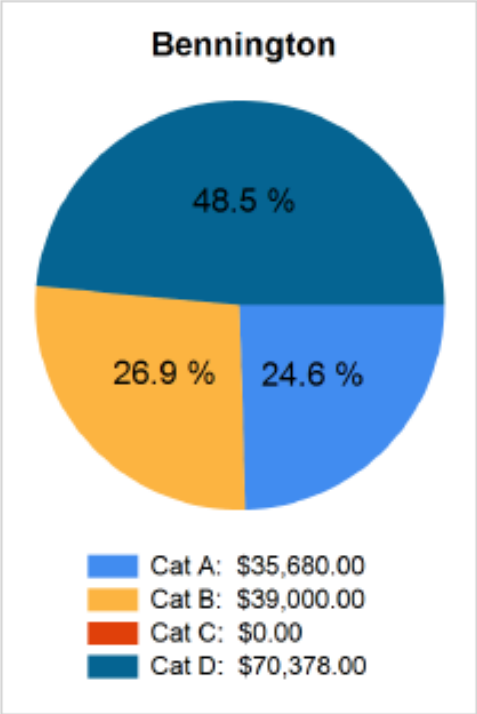
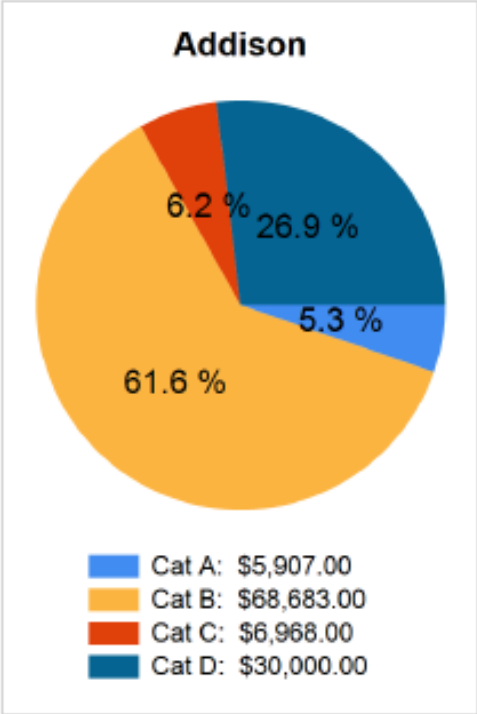




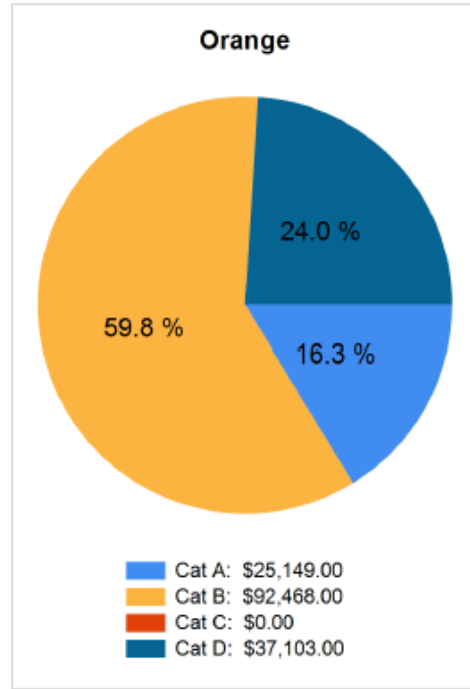
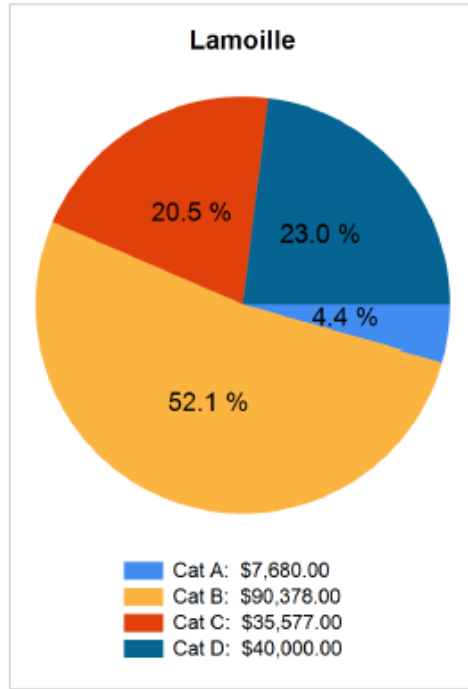
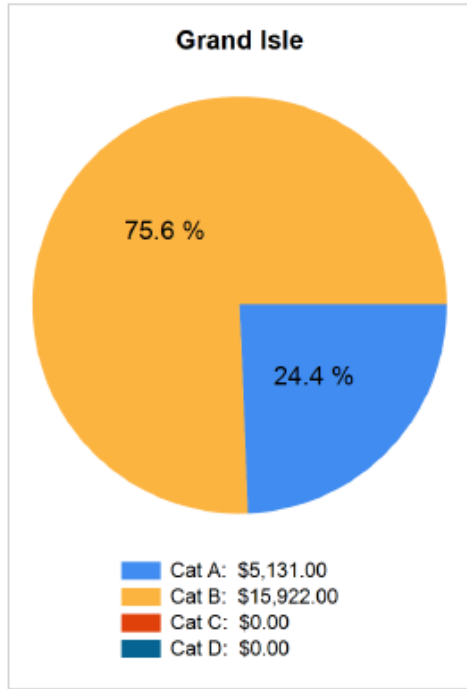
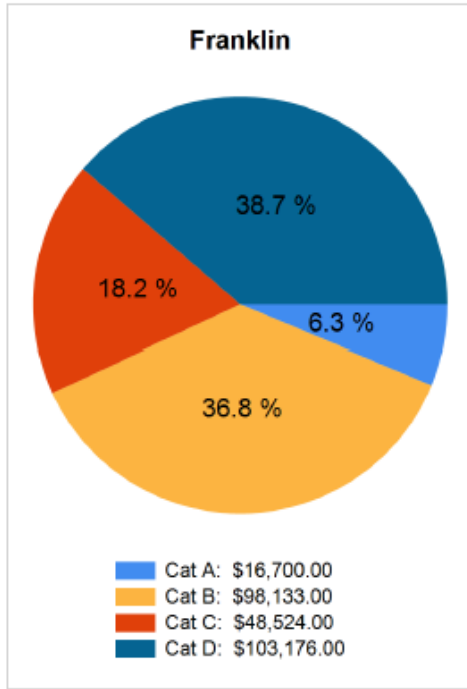
# Awards by Funding Source and Category

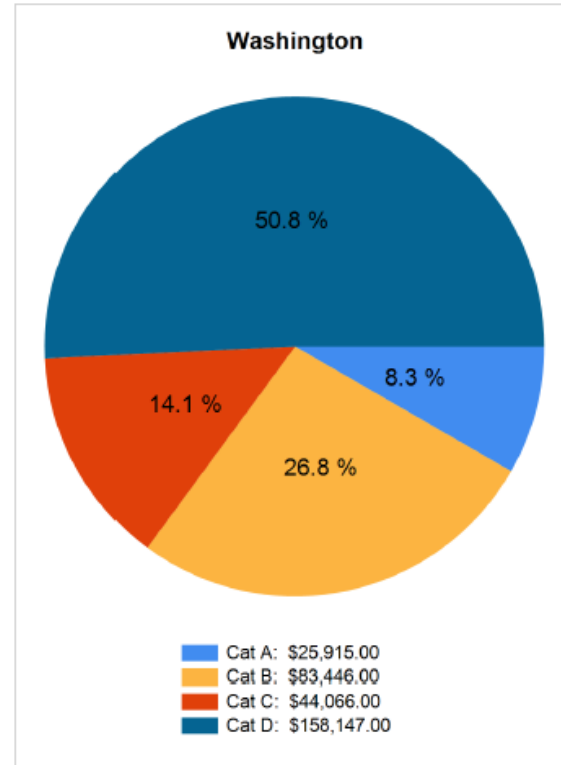
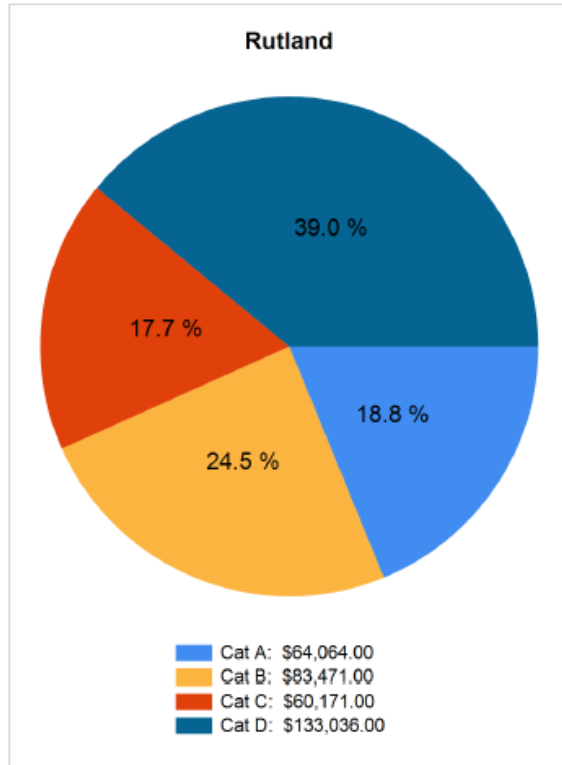
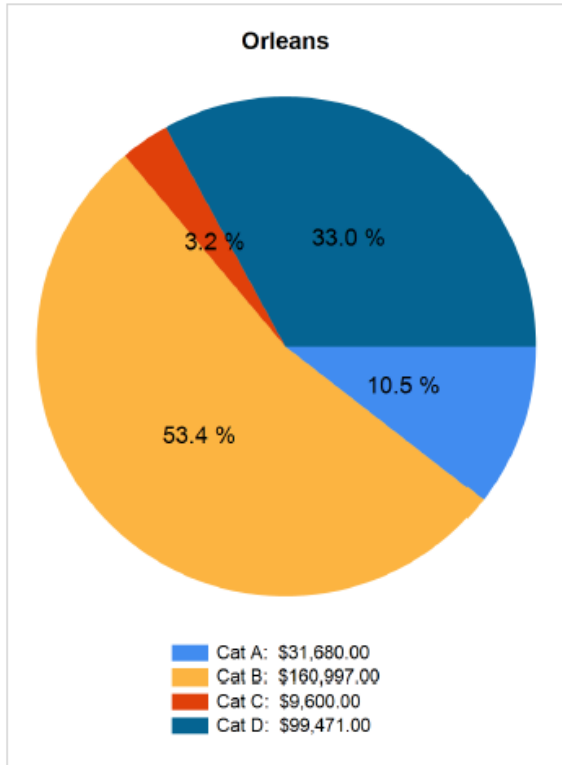


# Category by County

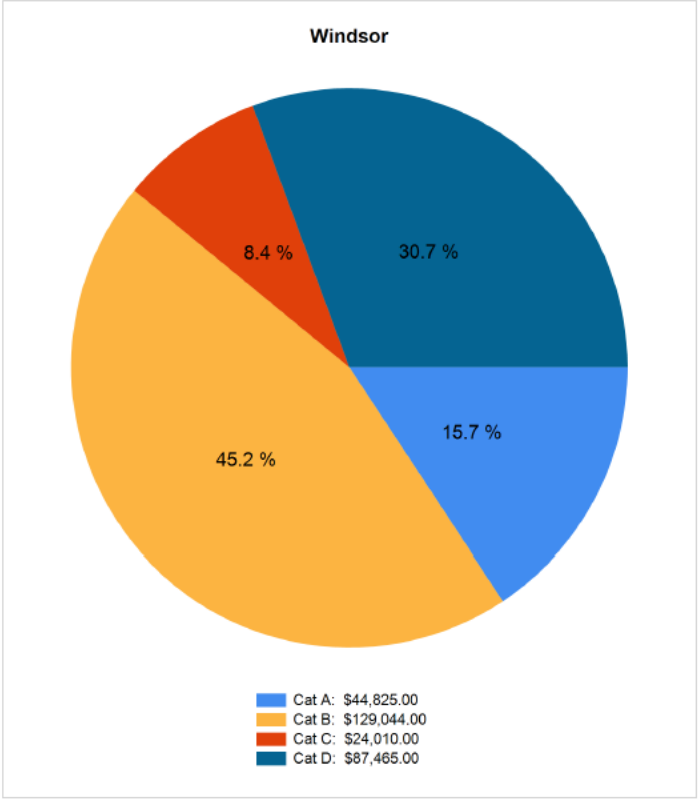
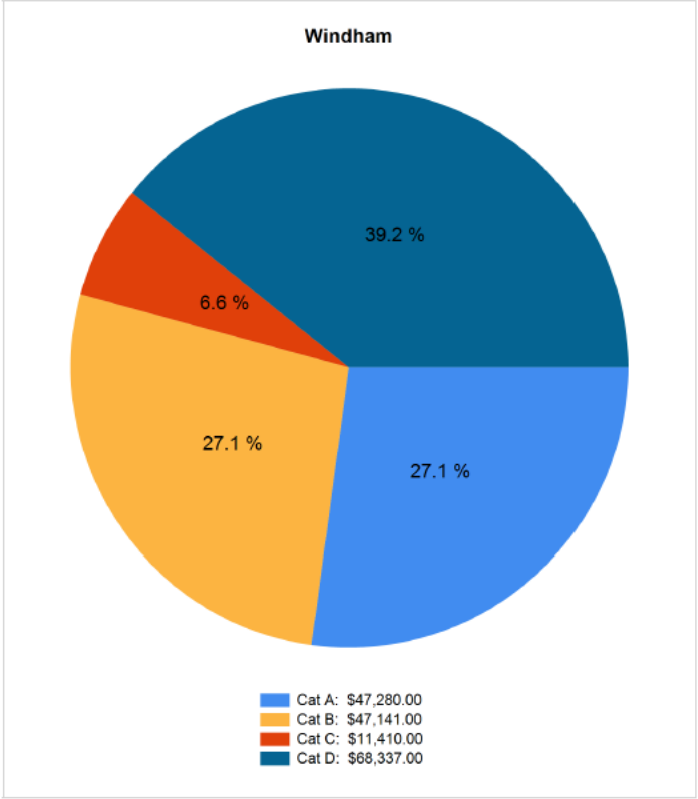












# More than just grants.....

Staff provide technical assistance to towns in reducing road erosion and runoff. Technical assistance is often delivered in the form of site visits. During site visits VTrans works with towns to review proposed projects and recommend cost effective fixes to address road erosion and runoff driven issues. In **SFY2016**, VTrans Better Roads Program staff conducted **78 site visits with 54 towns** to assist in grant application development, discuss project plans and recommendations, inspect newly constructed projects, and verify that prior projects are maintained

Program staff also work with Vermont Local Roads to develop and deliver workshops.

VTrans was able to add a second position dedicated full time to the Program in SFY17. In addition two other positions spend a portion of their time dedicated to the program and providing technical assistance.

There is considerable coordination with ANR-DEC with regard to selection criteria and ensuring quality projects.



# Calculating Water Quality Benefit

Considerable time was expended developing a grant tracking system and working with ANR-DEC to determine what they would need to quantify project benefits. Information collected and stored in system to include:

- Length of project
- Watershed
- Proximity to Water
- Road Type (Gravel, Paved, Paved with Curbing)
- Project Description

Also included was whether or not project identified in Tactical Basin Plan or Road or Culvert Inventory.

Data to be provided to ANR-DEC at end of SFY17 for all projects completed during fiscal year for benefit calc.

In SFY18 we will include road segment identification numbers. This will document whether or not the project will assist the municipality in complying with the Municipal Road General Permit.

# Proposed Funding for SFY18 and SFY19:

Operating Expenses*:	\$150,000	Transportation Funds
Grants:	\$8,032,342	3 Funding Sources

## Grant Funding Source Breakdown:

\$1,490,000	Transportation Funds
\$5,442,342	Federal Funds (FHWA)
\$1,100,000	Clean Water Funds

\* To be used for stormwater utility payments to Burlington, South Burlington and Williston

# Grant Programs in SFY18 and SFY19

**Better Roads:** Federal funds used for Category A inventory projects. Category B, C and D construction projects to use T funds and CW funds. Applications have been mailed to every municipality – due on March 17<sup>th</sup>. Essentially no changes to program and many projects will be completed in calendar year 2017.

**Second Federal Grant Program:** Still determining exact timing of program but likely to be in summer, 2017. Federal funds so projects will take longer to advance to construction. Some projects funded through Transportation Alternatives Program include salt sheds, culvert upgrades, gravel wetlands, detention ponds. Most suitable for projects \$250,000+