

VT Agency of Transportation: Highway Safety & Design Section FY 2021 Roadway Program Budget

House Transportation Committee – January 22, 2020

Presented by:

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Roadway Program General Overview

JANUARY 22, 2020

VT AGENCY OF TRANSPORTATION – HIGHWAY SAFETY & DESIGN SECTION
FY2021 ROADWAY PROGRAM BUDGET



VTrans' mission is to provide for the safe and efficient movement of people and goods:

- The roadway design group is responsible for the development and delivery of plans, specifications, and estimates for a wide range and wide scope of projects.
- The projects contained within the Roadway Program address safety, mobility, and asset condition, which directly contributes to meeting our mission.

The roadway design group consists of ten team members; comprised of project managers, engineers, and technicians.

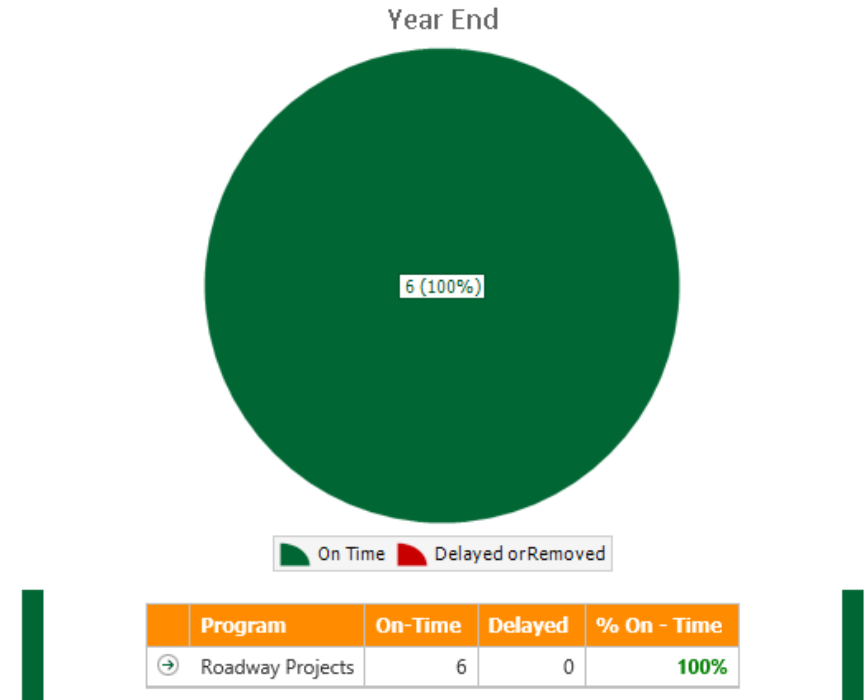
In addition to the development of projects, the team has a great deal of responsibility including but not limited to:

- **Fiscal responsibility:** *oversight of individual project and program budgets*
- **Customer Service:** *point of contact throughout a project's development*
- **Quality:** *ensure that the design meet's the intent of the project*
- **Schedule:** *on time delivery of a project*

2019 ROADWAY PROGRAM ACCOMPLISHMENTS

- The roadway design group advertised 8 projects for construction
- Of the projects anticipated to be advertised in 2019, 100% were advertised within 30 days of their targeted advertisement date.
- In addition the roadway design group advertised two unplanned urgent ledge removal projects

Goal: 80% within 30 days
 Current Content on Display: Advertisement (110.02), Roadway Projects, Contract Admin, 01/01/2020 vs 01/01/2019.



Scope: Full depth reconstruction of US Route 2 (Main Street), including sidewalks, curbing, street lighting, traffic signals, drainage, and utility relocation. To construct this project, traffic is being maintained within the existing roadway footprint.

Construction Cost Est: \$26.3 Million

Completion Date: Summer 2021



PRE-CONSTRUCTION

WATERBURY FEGC F 013-4(13)– US ROUTE 2 ROADWAY RECONSTRUCTION PROJECT



SEWER CONSTRUCTION



UTILITY CONDUIT



ROADWAY CONSTRUCTION

WATERBURY FEGC F 013-4(13)– US ROUTE 2 ROADWAY RECONSTRUCTION PROJECT

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Scope: This project was on Interstate 89 Northbound, in the vicinity of Exit 6. An existing ledge cut had consistently been experiencing the loss of material which was resulting in safety, mobility, and maintenance concerns. This project included the removal of ledge to create a safe and stable slope. This work was accomplished by closing one of the Interstate 89 Northbound travel lanes, closing the Interstate 89 Northbound off ramp for 6 weeks, and implementing rolling road blocks.

Construction Cost: \$2.0 Million

Completion Date: Winter 2019



PRE-CONSTRUCTION LEDGE SLOPE

BERLIN IM 089-1(62) – INTERSTATE 89 NB – EXIT 6 LEDGE REMOVAL PROJECT



VIEW FROM TOP OF SLOPE



FINISHED SLOPE

BERLIN IM 089-1(62) – INTERSTATE 89 NB – EXIT 6 LEDGE REMOVAL PROJECT

Scope: This project was located on VT Route 30 in Winhall. An existing 30 inch corrugated metal pipe and headwall were failing, compromising the roadway surface. The project closed VT Route 30 for one weekend and installed a new 4.5 foot by 4 foot concrete box culvert.

Construction Cost: \$400,000

Completion Date: Fall 2019



WINHALL STP SCRP(14) – VT ROUTE 30 CULVERT REPLACEMENT PROJECT



CONSTRUCTION



INLET



OUTLET

WINHALL STP SCRP(14) – VT ROUTE 30 CULVERT REPLACEMENT PROJECT

JANUARY 22, 2019

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FY2021 ROADWAY PROGRAM BUDGET



FY 2021 ROADWAY PROGRAM

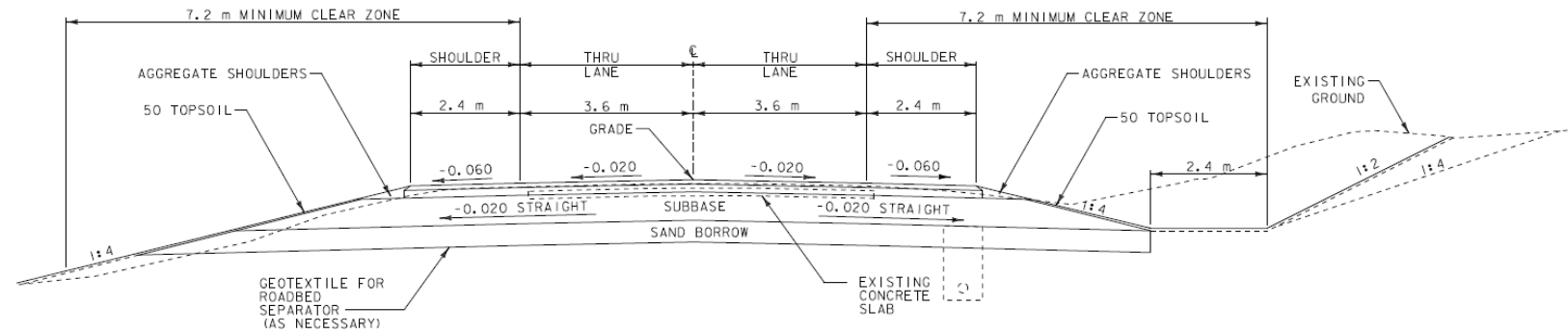
- Appropriation of \$43.7 million
- Decrease of \$5.1 million compared to the FY 2020 Roadway Program budget
- Includes three primary project phases
 - Preliminary Engineering (design activities)
 - Right-of-Way (acquisition of property and/or easements)
 - Construction
- Budget will fund construction of 28 projects, and will fund the preliminary engineering and/or right-of-way acquisition on an additional 37 projects

23	Number of standard roadway/intersection improvement projects
20	Number of small culvert rehabilitation/replacement projects
18	Number of ledge removal/slope stabilization projects
4	Number of miscellaneous projects

Scope: Full depth reconstruction and widening of approximately 1.4 miles of US Route 7 in Pittsford. The project includes drainage and stormwater improvements, geometric improvements, and the construction of two bridges.

Construction Cost Est: \$10.6 Million

Project Status: This project was advertised for construction in September of 2019 and the construction contract has been awarded. Construction activities are expected to occur in 2020 and 2021.



US ROUTE 7 – NORMAL SECTION
NOT TO SCALE

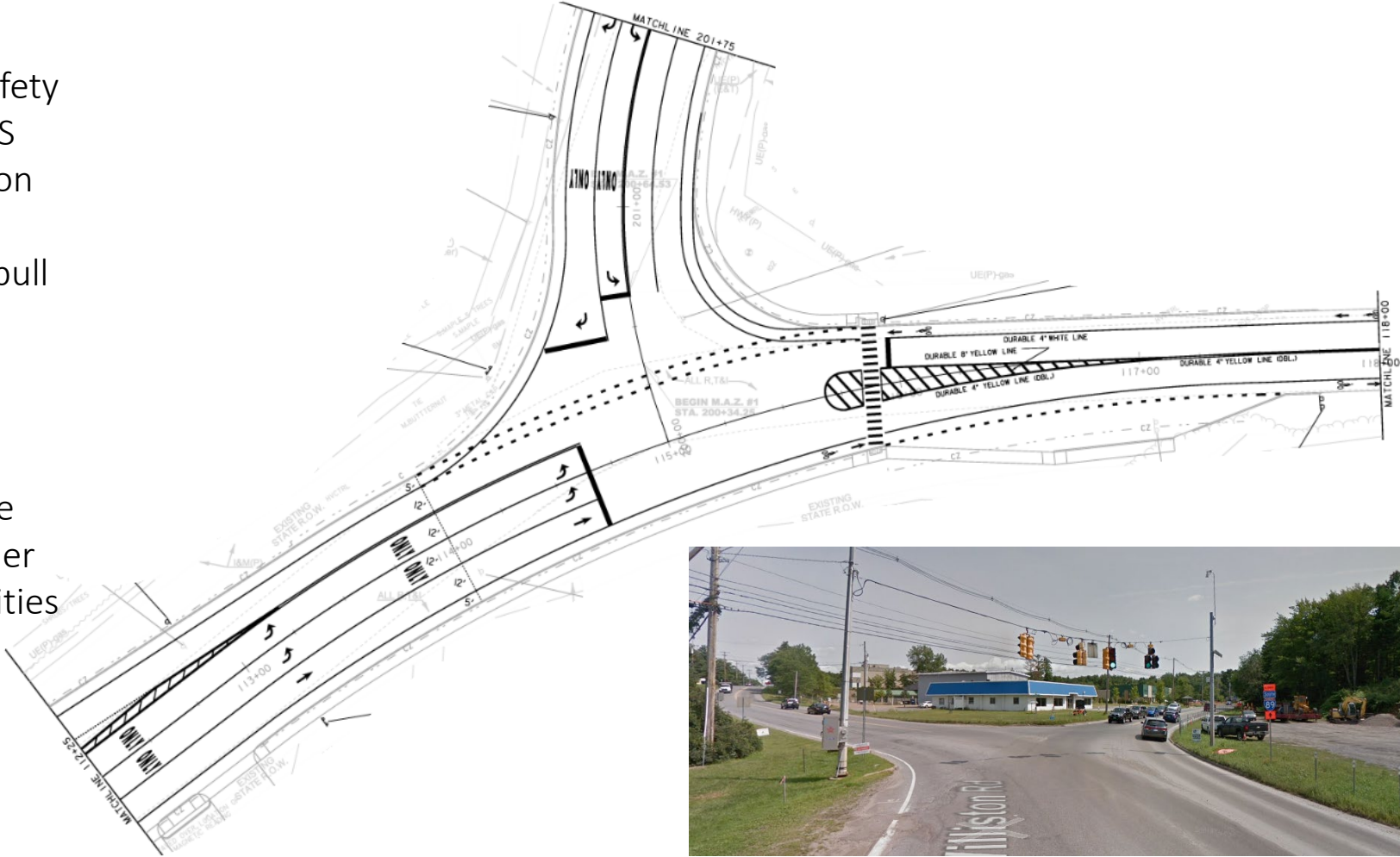


PITTSFORD NH 019-3(491) – US ROUTE 7

Scope: Intersection and roadway reconstruction project to improve the safety and mobility, for all users, through the US Route 2 and Industrial Avenue intersection in Williston. Work will include roadway widening, new drainage, sidewalks, bus pull off, and utility relocation.

Construction Cost Est: \$4.8 Million

Project Status: Project is anticipated to be advertised for construction in late summer of 2020, with primary construction activities occurring in calendar year 2021.



WILLISTON STP M 5500(7)S – US ROUTE 2



19 V.S.A. 10g(g)(1) Report compiles projects that have been added to the program subsequent to the FY20 program

These projects were primarily programmed due to the age and current condition of the asset

- ADDISON STP 0172(10) – VT 125 - Slope stabilization project
- BENNINGTON ST 0110(2) – Site remediation project
- BETHEL STP WALL(4) – VT 107 - Candidate Retaining wall project
- CHESTER STP CULV(60) – VT 10 - Culvert project
- FAIR HAVEN NH CULV(62) – US 4 - Culvert project
- RICHFORD STP CULV(59) – VT 105 – Culvert project
- RICHMOND STP CULV(59) – US 2 - Culvert project
- WILLISTON IM 089-2(54) – I 89 - Culvert project
- WILMINGTON NH CULV(61) – VT 9 - Culvert project

19 V.S.A. 10g(g)(1) REPORT SUMMARY

19 V.S.A. 10g(g)(2) Report compiles projects that have increased by more than \$8,000,000 or by more than 100% from the estimate in the FY20 program

- ST. ALBANS IM SWFR(2) – This project consists of the construction of stormwater retrofit best management practices, implementing the VTrans Flow Restoration Plan in the Rugg and Stevens Brook Watersheds. Work is to be performed at multiple locations within the Interstate 89 right-of-way in St. Albans City and St. Albans Town.
- The initial total estimate included within the FY20 budget was \$750,000, which consisted of \$250,000 in preliminary engineering and \$500,000 in construction. This was an initial estimate that was underestimated, and has since been updated to reflect the proposed design and the experience that was gained in a similar project that concluded construction this past year. The new estimate of total cost is \$2,448,540, which consists of \$250,000 in preliminary engineering and \$2,198,540 in construction.

19 V.S.A. 10g(g)(2) REPORT SUMMARY

19 V.S.A. 10g(g)(3) Report compiles projects that were funded for construction in the FY20 program and are no longer funded for construction in the FY21 program

All projects that are listed on this report have completed construction or will be complete by the end of the current fiscal year.

- BERLIN IM 089-1(62) – I 89 - Ledge stabilization project
- CABOT-DANVILLE FEGC F 028-3(26) – US 2 - Roadway reconstruction project
- EAST MONTPELIER NH CULV(54) – US 2 - Culvert project
- FAIRLEE STP SCR(15) – VT 244 - Culvert project
- JAY STP 034-2(16) – VT 105 - Ledge stabilization project
- POULTNEY STP 015-2(9) – VT 30 - Slope stabilization project
- WILLISTON IM SWFR(1) – I 89 - Stormwater project
- WILLISTON STP HES 5500(12) – VT 2A - Intersection reconstruction project
- WINHALL STP SCR(14) – VT 30 - Culvert project

19 V.S.A. 10g(g)(3) REPORT SUMMARY