

VT Agency of Transportation: Highway Safety & Design Section FY 2022 Roadway Program Budget

House Transportation Committee – January 28, 2021

Presented by: Jesse Devlin, Highway Safety & Design Program Manager



**WATERBURY FEGC F 013-4(13)
US ROUTE 2 (MAIN ST.)**



Roadway Program General Overview

JANUARY 28, 2021

VT AGENCY OF TRANSPORTATION – HIGHWAY SAFETY & DESIGN SECTION
FY2022 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*

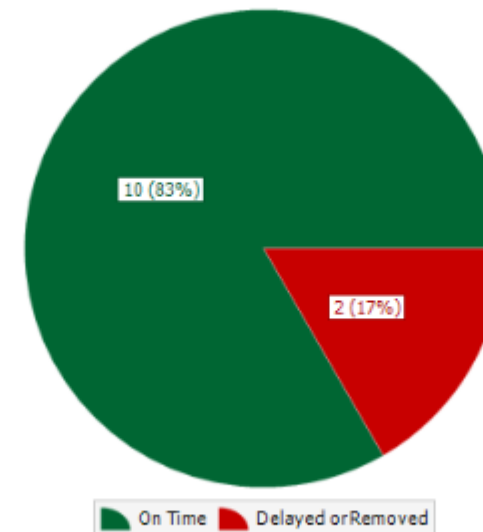
2020 ROADWAY PROGRAM ACCOMPLISHMENTS

- The roadway design group advertised 11 projects for construction
- Of the projects anticipated to be advertised in 2020, 83% were advertised within 30 days of their targeted advertisement date.

Goal: 80% within 30 days

Current Content on Display: Advertisement (110.02), Roadway Projects, Contract Admin, 01/01/2021 vs. 01/01/2020.

Year End



Program	On-Time	Delayed
Roadway Projects	10	2





ROADWAY RECONSTRUCTION PROJECTS

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CULVERT REPLACEMENT / REHABILITATION PROJECTS

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SLOPE / LEDGE STABILIZATION PROJECTS

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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

Completion Date: Fall 2021



PITTSFORD NH 019-3(491) – US ROUTE 7 ROADWAY RECONSTRUCTION PROJECT



AERIAL VIEW



SLOPE CONSTRUCTION



BRIDGE CONSTRUCTION

PITTSFORD NH 019-3(491) – US ROUTE 7 ROADWAY RECONSTRUCTION PROJECT

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FY2022 ROADWAY PROGRAM BUDGET



FY 2022 ROADWAY PROGRAM

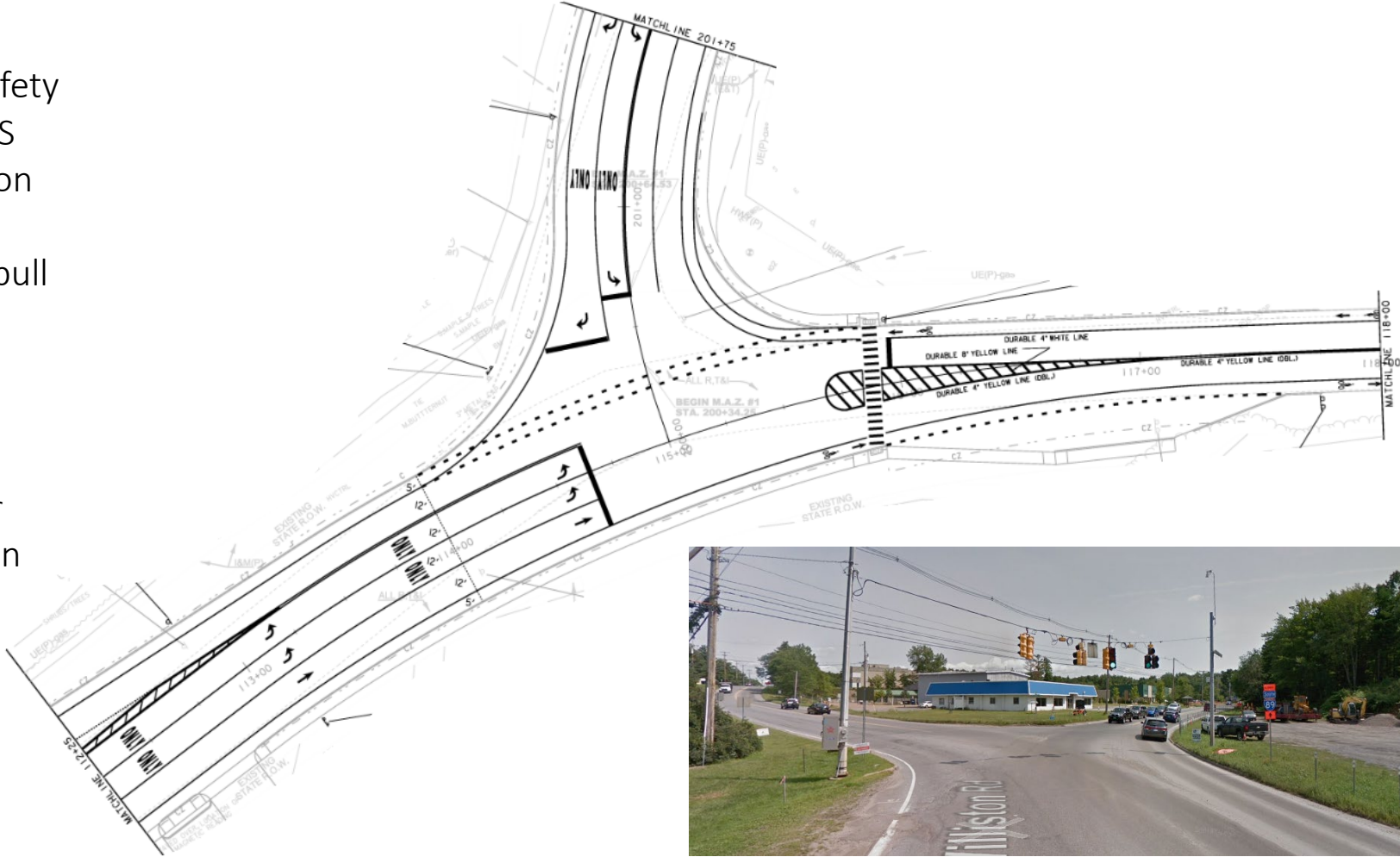
- Appropriation of \$37.3 million
- Decrease of \$4.7 million compared to the FY 2021 Roadway Program budget
- Includes \$3 million of COVID Relief FHWA funding
- Includes three primary project phases
 - Preliminary Engineering (design activities)
 - Right-of-Way (acquisition of property and/or easements)
 - Construction
- Budget will fund construction of 26 projects, and will fund the preliminary engineering and/or right-of-way acquisition on an additional 45 projects

23	Number of standard roadway/intersection improvement projects – 8 with FY22 construction funding
22	Number of small culvert rehabilitation/replacement, stormwater projects – 10 with FY22 construction funding
20	Number of ledge removal/slope stabilization projects – 6 with FY22 construction funding
6	Number of miscellaneous projects – 2 with FY22 construction funding

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: \$7.5 Million

Project Status: Project was advertised for construction in Fall of 2020. Construction will begin in Spring of 2021 with construction activities occurring into calendar year 2023.



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 FY21 program

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

- BAKERSFIELD ER P20-1(834) – Culvert project - VT 108
- BENSON STP 017-1(17) – Roadway widening - VT 22A
- BRIDPORT-CORNWALL STP CULV(75) – Culvert project - VT 125
- CHELSEA-THETFORD STP CULV(71) – Culvert project - VT 113
- CHESTER-SPRINGFIELD STP CULV(70) – Culvert project – VT 11
- ELMORE ER P20-1(808) – Culvert project - VT 12
- FAYSTON ER P20-1(514) – Slope stabilization - VT 17
- GROTON-NEWBURY STP CULV(72) – Culvert project - US 302
- JOHNSON-MORRISTOWN STP CULV(73) – Culvert project - VT 15 / VT 100
- LUDLOW-BRIDGEWATER STP CULV(74) – Culvert project - VT 100
- MARLBORO-BRATTLEBORO NH 010-1(57) – Drainage / flood mitigation - VT 9
- MORRISTOWN ER P20-1(829) – Slope stabilization - VT 15
- NEWPORT TOWN ER P20-1(902) – Culvert project - VT 105
- ORWELL STP 017-1(18) – Roadway widening - VT 22A
- RICHFORD ER P20-1(825) – Slope stabilization - VT 105
- TROY-NEWPORT TOWN STP CULV(76) – Culvert project - VT 100
- WEST HAVEN-BENSON STP 017-1(16) – Roadway widening - VT 22A
- WILMINGTON-BRATTLEBORO NH CULV(69) – Culvert project - VT 9

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 FY21 program

- ADDISON STP 0172(10) – VT 125 - Increase by more than 100% (\$1.2 million) - This project consists of slope stabilization on VT 125 in Addison. The estimate included in the FY21 budget was the initial estimate and has been refined as the project scope and treatment was defined and design efforts began.
- BENNINGTON ST 0110(2) – Increase by more than 100% (\$214,857) - This project consists of remediation of a contaminated fill site near VT 279 in Bennington. This is a unique project to VTrans, with limited history of expected costs. This project has required consistent and frequent coordination and communication with EPA and other participating parties.
- CHESTER STP CULV(60) – VT 10 - Increase by more than 100% (\$852,104) - This project consists of the installation of a box culvert on VT 10 in Chester. The estimate included in the FY21 budget was the initial estimate, when a culvert rehabilitation treatment was being considered. The estimate has been refined as the project scope and treatment was defined and design efforts began.
- ROCKINGHAM IM 091-1(77) – I 91S - Increase by more than 100% (\$1.4 million) - This project consists of remediation of ledge on I 91S in Rockingham. The estimate included in previous budgets was the initial estimate. The treatment recommendation was completed this past year and the estimate has been refined based on this scope.

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 FY21 program and are no longer funded for construction in the FY22 program

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

- BRANDON NH 019-3(496) – Reconstruction – US 7
- CASTLETON STP 0161(35) – Ledge stabilization - VT 30
- ROXBURY STP SCRP(26) – Culvert project (construction occurred as a component of a paving project) – VT 12A
- THETFORD IM SCRP(22) – Culvert project – I 91
- WILLISTON IM 089-2(54) – Culvert project – I 89

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