

VT Agency of Transportation: Highway Safety & Design Section FY 2023 Roadway Program Budget

Senate Transportation Committee – January 21, 2022

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 21, 2022

VT AGENCY OF TRANSPORTATION – HIGHWAY SAFETY & DESIGN SECTION
FY2023 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*

2021 ROADWAY PROGRAM ACCOMPLISHMENTS

- There were 17 projects advertised for construction within the Roadway Program
- Of the projects anticipated to be advertised in 2021, 100% were advertised within 30 days of their targeted advertisement date



ROADWAY RECONSTRUCTION PROJECTS

JANUARY 21, 2022

VT AGENCY OF TRANSPORTATION – HIGHWAY SAFETY & DESIGN SECTION
FY2023 ROADWAY PROGRAM BUDGET





CULVERT REPLACEMENT / REHABILITATION PROJECTS

JANUARY 21, 2022

VT AGENCY OF TRANSPORTATION – HIGHWAY SAFETY & DESIGN SECTION
FY2023 ROADWAY PROGRAM BUDGET





SLOPE / LEDGE STABILIZATION PROJECTS

JANUARY 21, 2022

VT AGENCY OF TRANSPORTATION – HIGHWAY SAFETY & DESIGN SECTION
FY2023 ROADWAY PROGRAM BUDGET



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: Construction of this project was substantially completed in Fall of 2021.



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



SLOPE CONSTRUCTION



BRIDGE CONSTRUCTION



FINAL CONDITION

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

JANUARY 21, 2022

VT AGENCY OF TRANSPORTATION – HIGHWAY SAFETY & DESIGN SECTION
FY2023 ROADWAY PROGRAM BUDGET



FY 2023 ROADWAY PROGRAM

- Appropriation of \$51.3 million
- Increase of \$14 million compared to the FY 2022 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 37 projects, and will fund the preliminary engineering and/or right-of-way acquisition on an additional 42 projects

30	Number of standard roadway/intersection improvement projects – 7 with FY23 construction funding
27	Number of small culvert rehabilitation/replacement, stormwater projects – 20 with FY23 construction funding
18	Number of ledge removal/slope stabilization projects – 9 with FY23 construction funding
4	Number of miscellaneous projects – 1 with FY23 construction funding

Scope: Ledge removal and stabilization project on VT Route 9 in Woodford. Project will minimize risk of rockfall and improve vehicular sight distance.

Construction Cost Est: \$4.9 Million

Project Status: Construction began on this project in Spring of 2021 and is anticipated to be completed in Fall of 2022.



WOODFORD NH 010-1(51)– VT ROUTE 9

19 V.S.A. 10g(g)(1) Report compiles projects that have been added to the program subsequent to the FY22 program

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

- ADDISON STP 032-1(20) – Slope Stabilization – VT Route 125
- BRATTLEBORO-NEWFANE STP CULV(80) – Culvert Project – VT Route 30
- BURLINGTON BREP(3) – Multimodal – Railyard Enterprise
- CAMBRIDGE-JOHNSON STP CULV(81) – Culvert Project – VT Route 15
- CHARLOTTE-SO. BURLINGTON NH CULV(82) – Culvert Project – US Route 7
- COLCHESTER IM CULV(79) – Culvert Project – Interstate 89
- DERBY STP 0113(86) – Concrete Slab Removal – US Route 5
- ESSEX NH SWFR(4) – Stormwater Improvements – VT Route 289
- FAIRLEE IM 091-2(86) – Ledge Stabilization – Interstate 91
- HARDWICK STP 037-3(7) – Slope Stabilization – VT Route 16
- HARTFORD IM 089-1(67) – Slope Stabilization – Interstate 89
- HARTFORD STP 0113(78) – Culvert Project – US Route 5
- HARTFORD STP 020-2(52) – Concrete Slab Removal – US Route 4
- HARTLAND IM 091-1(85) – Slope Stabilization – Interstate 91
- JOHNSON STP 030-2(35) – Slope Stabilization – VT Route 15
- KILLINGTON-STOCKBRIDGE STP CULV(88) – Culvert Project – VT Route 100
- MARSHFIELD-DANVILLE NH CULV(84) – Culvert Project – US Route 2
- MIDDLESEX STP 0284(36) – Concrete Slab Removal – US Route 2
- MILTON-GEORGIA STP 0285(17) – Concrete Slab Removal – US Route 7
- MORETOWN-MIDDLESEX STP 0284(35) – Concrete Slab Removal – US Route 2
- RICHMOND-BOLTON STP CULV(86) – Culvert Project – US Route 2
- ROCHESTER STP CULV(85) C/1 – Culvert Project – VT Route 100
- SOUTH BURLINGTON IM SWFR(3) – Stormwater Improvements – Interstate 89
- ST. ALBANS-HIGHGATE PCIP(1) – Stormwater Improvements – Interstate 89
- STOCKBRIDGE-ROCHESTER STP CULV(85) C/2 – Culvert Project – VT Route 100
- THETFORD STP CULV(78) – Culvert Project – US Route 5
- WAITSFIELD STP 013-4(54) – Culvert Project – VT Route 100
- WILLIAMSTOWN-BARRE TOWN STP 0147(30) – Concrete Slab Removal – VT Route 14
- WILLISTON STP 5500(20) – Concrete Slab Removal – US Route 2
- WOODSTOCK-HARTFORD NH 020-2(51) - Roadway Reconstruction – US Route 4

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% compared to the FY22 estimate

- FAIRLEE IM CULV(68) – Interstate 91 - Increase by more than 100% (\$365,651)- This project consisted of a culvert replacement on Interstate 91 in the Town of Fairlee. The FY22 estimate was the initial estimate and was \$271,649. During construction an additional culvert replacement was added to the project, which increased the project estimate to \$637,000.

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 FY22 program and are no longer funded for construction in the FY23 program

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

- BAKERSFIELD STP SCRP(11) – Culvert Project – VT Route 108
- BARNET IM 091-2(82) – Ledge Stabilization – Interstate 91
- BERKSHIRE STP SCRP(23) – Culvert Project – VT Route 118
- BROWNINGTON STP SCRP(25) – Culvert Project – VT Route 58
- FAIR HAVEN NH CULV(62) – Culvert Project – US Route 4
- PITTSFORD NH 019-3(491) – Roadway Reconstruction – US Route 7
- RIPTON ER STP 0174(19) – Slope Stabilization – VT Route 125
- STOWE STP 0235(14) – Stormwater / Parking – VT Route 108
- SUDBURY STP SCRP(19) – Culvert Project – VT Route 30
- WATERBURY FEGC F 013-4(13) – Roadway Reconstruction – US Route 2
- WATERFORD-ST. JOHNSBURY IM 091-3(52) – Ledge Stabilization – Interstate 91 & Interstate 93

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

VT Agency of Transportation: Highway Safety & Design Section FY 2023 Paving Program Budget

Senate Transportation Committee – January 21, 2022

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





Paving Program General Overview

JANUARY 21, 2022

VT AGENCY OF TRANSPORTATION – HIGHWAY SAFETY & DESIGN SECTION
FY2023 PAVING PROGRAM BUDGET



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

- The pavement design group is responsible for the development and delivery of plans, specifications, and estimates for projects that are focused on preserving and improving our roadway surfaces.
- The projects contained within the Paving Program address safety, mobility, and asset condition, which directly contributes to meeting our mission.

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

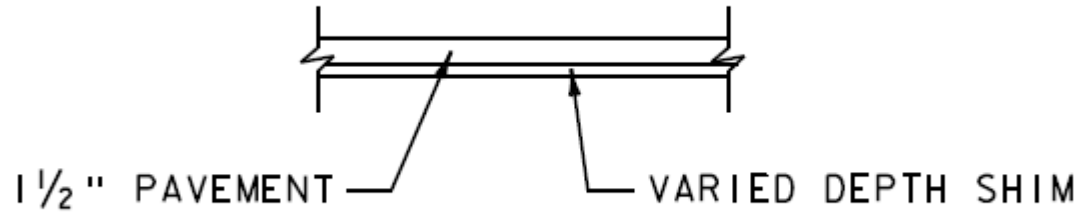
In addition to the development of projects, the team has a great deal of responsibility including but not limited to:

- **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*

2021 PAVING PROGRAM ACCOMPLISHMENTS

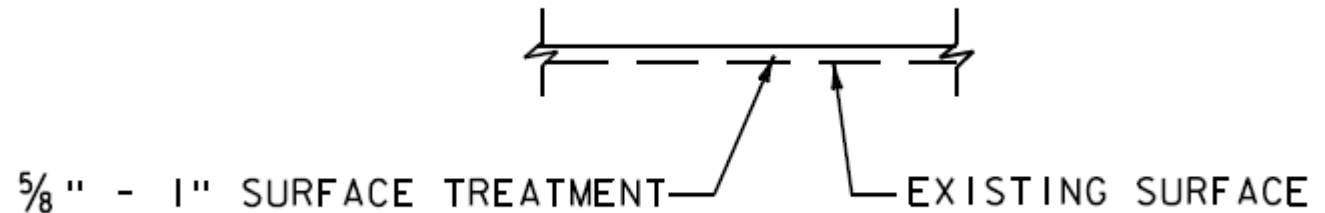
- The pavement design group advertised 34 projects for construction
- Of the projects anticipated to be advertised in 2021, 95% were advertised within 30 days of their targeted advertisement date

PAVEMENT TREATMENTS



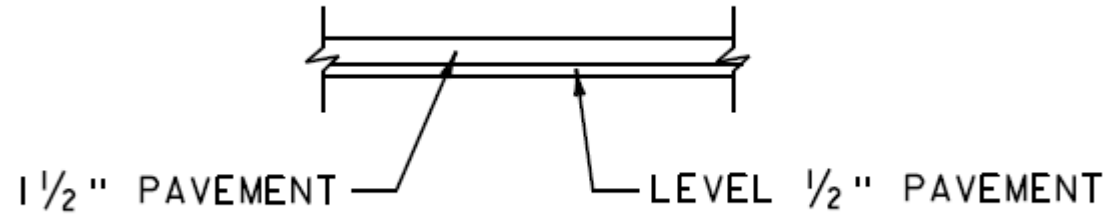
District Leveling: \$150,000 - \$200,000 per mile

Federal Leveling: \$250,000 - \$350,000 per mile

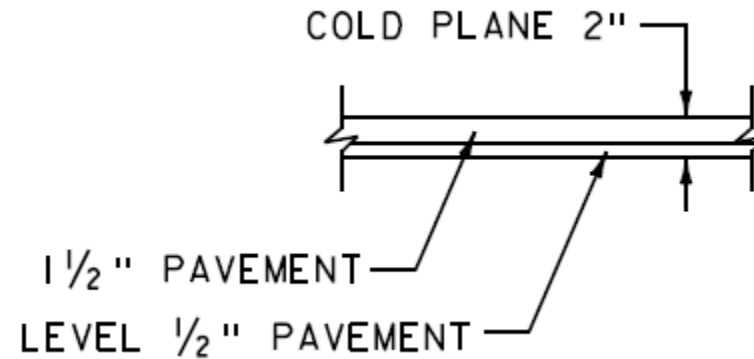


Preventative Maintenance: \$200,000 - \$300,000 per mile

PAVEMENT TREATMENTS



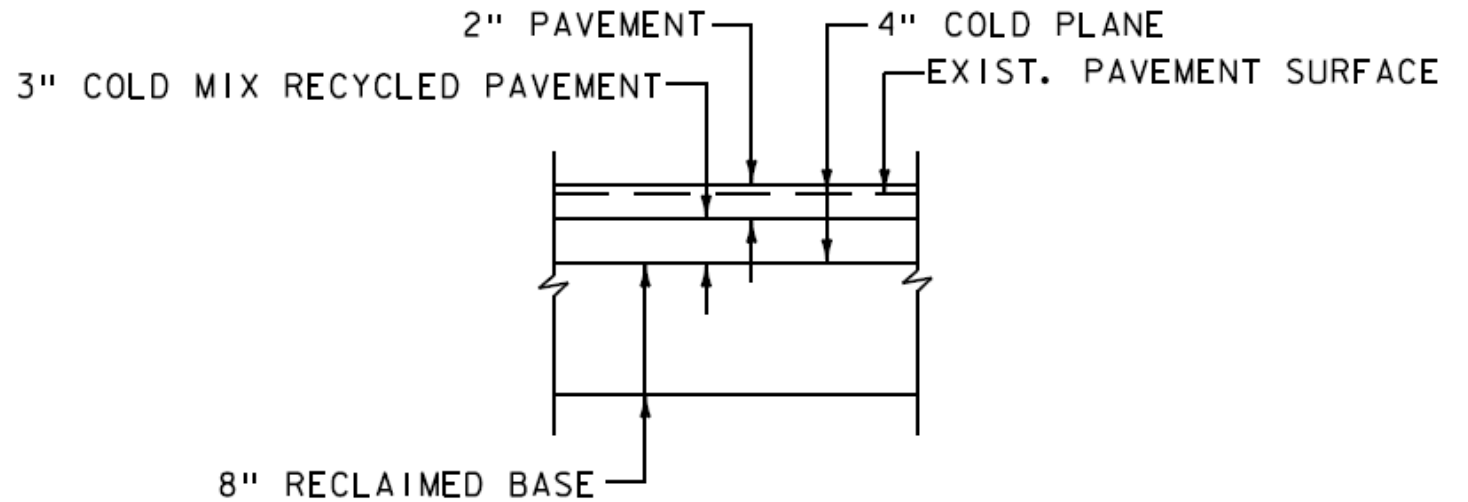
Level & Overlay: \$400,000 - \$500,000 per mile



Mill & Fill (State System): \$400,000 - \$500,000 per mile

Mill & Fill (Class I TH): \$750,000 - \$1,500,000 per mile

PAVEMENT TREATMENTS



Reclaim: \$1,250,000 - \$2,000,000 per mile

Assets are the physical elements of the transportation system, such as pavements, bridges, culverts, guardrail, signs, and traffic signals. VTrans works to keep assets in a state of good repair, and balancing the costs associated with doing so, across various asset types.

Regarding pavement condition, VTrans collects updated network level pavement data, the condition of the roadway is rated based on rutting, cracking, and roughness. This information is utilized, considering budget and traffic volumes, to identify projects and pavement treatments that serve to improve the condition of the network as a whole.

PROJECT SCOPE DEFINITION



- Culvert replacement
- Shoulder widening
- Pavement markings
- Pedestrian crossings
- Slope stabilization
- Guardrail improvements
- Centerline rumble stripe installation
- Intersection layout improvements
- Signage updates and/or improvements

ASSET & SAFETY IMPROVEMENTS

Scope: This project is a 7.7 mile reclaim project on VT Route 100 between Stowe and Morristown. In addition to improving the roadway surface, work included culvert replacement, centerline rumble stripe installation, and realignment of the Randolph Road intersection.

Construction Cost Est: \$11.8 Million

Project Status: Construction of this project was completed in 2021.



RECLAIM SECTION



INTERSECTION REALIGNMENT

STOWE-MORRISTOWN STP PS19(3) – VT ROUTE 100

Scope: This project is a 1.6 mile Class 1 Town Highway mill and fill project on US Route 7 in Middlebury. In addition to improving the roadway surface, work included the installation of pedestrian/bicycle features, upgrading signs, and localized shoulder reconstruction.

Construction Cost Est: \$2.2 Million

Project Status: This project was advertised as a composite contract with MIDDLEBURY STP PC20(3), which resurfaced 2.35 miles on VT Route 30 and VT Route 125 Class 1 Town Highways. Construction of this project was completed in Fall of 2021.



MIDDLEBURY NH PC20(4)– CLASS 1 –US ROUTE 7

FY 2023 PAVING PROGRAM

- Appropriation of \$158.8 million
- Increase of \$38.3 million compared to the FY 2022 Paving 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 64 paving projects, and will fund the preliminary engineering and/or right-of-way acquisition on an additional 30 projects

165	Miles to be paved on the Interstate, State, and Class I system
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109	Miles to be paved under Federal and District leveling mill and fill on the State system
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*Anticipated mileage noted above is associated with calendar year 2022

Scope: This project is a 16.2 mile reclaim project on US Route 2 between Marshfield (near Plainfield/Marshfield Town Line) and Danville (just past US2/VT15 intersection). In addition to improving the roadway surface, work will include shoulder widening, centerline rumble stripe installation, and the design team is currently evaluating improvements in the vicinity of the US2/VT15 intersection and adjacent park and ride.

Construction Cost Est: \$15 Million

Project Status: Project is anticipated to be advertised for construction in Fall of 2022, with primary construction activities extending through calendar years 2023 and 2024.



MARSHFIELD-DANVILLE NH PS19(1) – US ROUTE 2

19 V.S.A. 10g(g)(1) Report compiles projects that have been added to the program subsequent to the FY22 program

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

- ALBURGH NH FPAV(59) – US ROUTE 2
- BARTON-COVENTRY STP FPAV(63) – US ROUTE 5
- BARTON-DERBY IM SURF(71) – INTERSTATE 91
- BENNINGTON NH SURF(81) – VT ROUTE 279
- BENNINGTON NH SURF(82) – US ROUTE 7
- BENNINGTON STP PS25(10) – VT ROUTE 67A
- BERLIN STP SURF(83) – BERLIN ST. HIGHWAY
- BERLIN-BARRE STP SURF(75) – VT ROUTE 62
- BERLIN-BARRE TOWN STP SURF(84) – VT ROUTE 63
- BRATTLEBORO NH PC25(5) – VT ROUTE 9
- BRATTLEBORO STP PC25(6) – US ROUTE 5, VT ROUTE 9, VT ROUTE 30, VT ROUTE 142
- BRATTLEBORO-WESTMINSTER IM SURF(69) – INTERSTATE 91
- BROOKFIELD STP SURF(77) – VT ROUTE 65
- BROOKFIELD-MONTPELIER IM 089-1(69) – INTERSTATE 89
- BROWNINGTON-CHARLESTON STP FPAV(53) – VT ROUTE 5A
- CAMBRIDGE-BELVIDERE STP FPAV(69) – VT ROUTE 109
- CHELSEA-WASHINGTON STP FPAV(70) – VT ROUTE 110
- COLCHESTER-ESSEX NH PS24(11) – VT ROUTE 15
- DANVILLE-ST. JOHNSBURY NH PS23(2) – US ROUTE 2
- DERBY IM 091-3(56) – INTERSTATE 91
- DERBY STP PC24(5) – US ROUTE 5, ALT US ROUTE 5
- DERBY-NEWPORT STP FPAV(76) – VT ROUTE 191
- ESSEX NH 033-1(26) – VT ROUTE 289
- ESSEX-COLCHESTER STP 0207(4) – VT ROUTE 2A
- FAIR HAVEN-ORWELL STP FPAV(61) – VT ROUTE 22A
- FERDINAND-BLOOMFIELD STP FPAV(67) – VT ROUTE 105
- HARDWICK-BARTON STP FPAV(74) – VT ROUTE 16
- HINESBURG-SOUTH BURLINGTON STP PS25(8) – VT ROUTE 116
- LYNDON STP FPAV(55) – VT ROUTE 122
- LYNDON-SUTTON STP FPAV(62) – US ROUTE 5
- MONTGOMERY-WESTFIELD STP PS24(8) – VT ROUTE 242
- MONTPELIER-WATERBURY IM 089-2(56) – INTERSTATE 89 SB
- MONTPELIER-WATERBURY IM 089-2(55) – INTERSTATE 89 NB

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

19 V.S.A. 10g(g)(1) Report compiles projects that have been added to the program subsequent to the FY22 program

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

- MORETOWN-MIDDLESEX STP FPAV(57) – US ROUTE 2
- NORTHFIELD-WILLIAMSTOWN STP SURF(76) – VT ROUTE 64
- NORTON-CANAAN STP FPAV(71) – VT ROUTE 114
- ORANGE-TOPSHAM STP FPAV(56) – US ROUTE 302
- ORWELL-ADDISON STP PS25(2) – VT ROUTE 22A
- PEACHAM-MARSHFIELD STP FPAV(78) – VT ROUTE 232
- PITTSFORD-BRANDON NH FPAV(49) – US ROUTE 7
- POWNAL-BENNINGTON NH SURF(72) – US ROUTE 7
- RANDOLPH STP SURF(78) – VT ROUTE 66
- RANDOLPH-NORTHFIELD STP SURF(73) – VT ROUTE 12A
- RUPERT-PAWLET STP FPAV(80) – VT ROUTE 30
- RYEGATE-ST. JOHNSBURY IM SURF(70) – INTERSTATE 91
- RYEGATE-ST. JOHNSBURY STP FPAV(65) – US ROUTE 5
- SHAFTSBURY STP FPAV(54) – VT ROUTE 7A
- SHAFTSBURY-BENNINGTON STP PS25(9) – VT ROUTE 67
- SHELDON-ENOSBURG STP FPAV(68) – INTERSTATE 91
- SPRINGFIELD-HARTLAND IM SURF(68) – INTERSTATE 91
- SPRINGFIELD-WINDSOR STP FPAV(48) C/2 – US ROUTE 5
- ST. ALBANS TOWN STP FPAV(66) – VT ROUTE 104
- ST. ALBANS TOWN-SWANTON STP PS25(7) – US ROUTE 7
- ST. JOHNSBURY STP PS23(3) – US ROUTE 2
- STOCKBRIDGE-BETHEL STP SURF(79) – VT ROUTE 107
- SWANTON NH FPAV(58) – VT ROUTE 78
- SWANTON-HIGHGATE IM 089-3(81) – INTERSTATE 89
- SWANTON-HIGHGATE STP FPAV(77) – VT ROUTE 207
- THETFORD-FAIRLEE STP FPAV(64) – US ROUTE 5
- THETFORD-FAIRLEE STP PS24(9) – VT ROUTE 244
- TROY STP FPAV(79) – VT ROUTE 243
- TROY STP PC24(4) – VT ROUTE 105
- TROY-NEWPORT STP PS24(7) – VT ROUTE 105
- WARDSBORO-JAMAICA STP SURF(74) – VT ROUTE 100
- WEATHERSFIELD NH SURF(85) – VT ROUTE 131, VT ROUTE 12
- WEATHERSFIELD STP SURF(80) – VT ROUTE 131
- WESTMINISTER-SPRINGFIELD IM 091-1(86) – INTERSTATE 91
- WILLIAMSTOWN STP PS26(3) – VT ROUTE 64
- WOODSTOCK-HARTLAND NH FPAV(50) – US ROUTE 4
- WORCESTER-MORRISTOWN STP PS25(1) – VT ROUTE 12

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

19 V.S.A. 10g(g)(2) Report compiles projects that have increased by more than \$8,000,000 or by more than 100% compared to the FY22 estimate

- BRATTLEBORO-NEWFANE STP 2940(1) – VT ROUTE 30 – Increase by more than \$8 million (\$13 million) - The project's development resulted in a refined plan submittal and estimate revision shortly after the FY22 budget. This estimate included the defined treatment as well as the inclusion of ledge stabilization work. These changes are reflected in the estimate included within the FY23 budget.
- EAST MONTPELIER-HARDWICK STP PS24(5) – VT ROUTE 14 – Increase by more than \$8 million (\$10.2 million) – The estimate contained within the FY22 budget was underestimated considering the project's length (approx. 19 miles) and treatment (reclaim).
- LYNDON-BARTON IM 091-3(55) – INTERSTATE 91 – Increase by more than \$8 million (\$13.1 million) – The estimate contained within the FY22 budget was underestimated considering the project's length (approx. 40 miles) and treatment (mill and fill).
- MONTPELIER STP PC24(3) – US ROUTE 302 & US Route 2 – Increase by more than 100% (\$2.1 million) – The estimate contained within the FY22 budget was underestimated considering the project's length (approx. 2.6 miles) and treatment (Class I mill and fill).

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 FY22 program and are no longer funded for construction in the FY23 program

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

- BRIDPORT-CORNWALL STP FPAV(45) – VT ROUTE 125
- BURLINGTON NH PC21(1) – US ROUTE 7 CLASS 1 – CONCRETE
- BURLINGTON-SO. BURLINGTON IM 189-3(77) – INTERSTATE 189 – CONCRETE
- CAVENDISH-WEATHERSFIELD ER STP 0146(14) – VT ROUTE 131
- CHESTER-SPRINGFIELD STP 2942(1) – VT ROUTE 110
- CRAFTSBURY-IRASBURG STP FPAV(32) – VT ROUTE 14
- EDEN STP FPAV(29) – VT ROUTE 118
- FAYSTON STP FPAV(33) – VT ROUTE 17
- GEORGIA-ST. ALBANS TOWN STP FPAV(40) – US ROUTE 7
- GROTON-NEWBURY STP PS19(2) – US ROUTE 302
- HALIFAX-WHITINGHAM STP FPAV(47) – VT ROUTE 112
- HARTFORD-SHARON IM SURF(65) – INTERSTATE 89 NB
- HARTFORD-SHARON IM SURF(66) – INTERSTATE 89 SB
- MIDDLEBURY NH PC20(4) – US ROUTE 7 CLASS 1
- MIDDLEBURY STP PC20(3) - VT ROUTE 30, VT ROUTE 125 CLASS 1
- MORRISTOWN STP 2920(1) – VT ROUTE 15A
- NORWICH-THETFORD STP FPAV(30) – US ROUTE 5
- PLYMOUTH-BRIDGEWATER STP FPAV(44) – VT ROUTE 100A
- RICHFORD-JAY VT ROUTE 105
- SHARON-BETHEL IM 089-1(66) – INTERSTATE 89
- SPRINGFIELD STP PS19(5) – VT ROUTE 106
- STOWE-MORRISTOWN STP PS19(3) – VT ROUTE 100
- TROY-NEWPORT TOWN STP FPAV(43) – VT ROUTE 100
- WHITINGHAM STP FPAV(34) – VT ROUTE 100
- WINOOSKI NH PC21(2) – US ROUTE 7 CLASS 1 – CONCRETE
- WOODSTOCK NH PC21(5) – US ROUTE 4 CLASS 1
- WOODSTOCK STP PC21(3) – US ROUTE 4, VT ROUTE 12, VT ROUTE 106 CLASS 1

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

VT Agency of Transportation: Highway Safety & Design Section FY 2023 Traffic & Safety Program Budget

Senate Transportation Committee – January 21, 2022

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





Traffic & Safety Program General Overview

JANUARY 21, 2022

VT AGENCY OF TRANSPORTATION – HIGHWAY SAFETY & DESIGN SECTION
FY2023 TRAFFIC & SAFETY PROGRAM BUDGET



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

- The traffic design group is responsible for the development and delivery of plans, specifications, and estimates for projects that focus on safety and mobility.
- The projects contained within the Traffic & Safety Program address safety, mobility, and asset condition, which directly contributes to meeting our mission.

The traffic design group consists of nine team members; comprised of project managers and engineers.

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*

2021 TRAFFIC & SAFETY PROGRAM ACCOMPLISHMENTS

- The traffic design group advertised 10 projects for construction
-
- Of the projects anticipated to be advertised in 2021, 71% were advertised within 30 days of their targeted advertisement date

Scope: Project will include construction of a single-lane roundabout at the intersection of US Route 7, US ALT Route 7, Ledge Road and Locust Street., utility relocation, and the installation of shared-use facilities.

Construction Cost Est: \$10.1 Million

Completion Date: Summer 2023



PROJECT AREA – EXISTING CONDITIONS

**BURLINGTON HES 5000(18) – US ROUTE 7 / LEDGE RD. /
LOCUST ST.**



BURLINGTON HES 5000(18) – US ROUTE 7 / LEDGE RD. / LOCUST ST.

JANUARY 21, 2022

VT AGENCY OF TRANSPORTATION – HIGHWAY SAFETY & DESIGN SECTION
FY2023 TRAFFIC & SAFETY PROGRAM BUDGET



FY 2023 TRAFFIC & SAFETY PROGRAM

- Appropriation of \$45.6 million
- Increase of \$12.3 million compared to the FY 2022 Traffic & Safety 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 24 projects, and will fund the preliminary engineering and/or right-of-way acquisition on an additional 41 projects

56	Number of intersection improvement projects – 15 with FY23 construction funding
5	Number of sign replacement projects – 5 with FY23 construction funding
4	Number of pavement marking projects * – 4 with FY23 construction funding
	* Restriping on all Interstate, State, Class I TH, and Class II TH roads

Scope: Project will include construction of a diverging diamond interchange, roadway widening, new traffic signals, sidewalks, and shared-use paths along approximately 1 mile of US Route 7 in Colchester.

Total Project(s) Cost Est: \$19.2 Million

Project Status: Project will be advertised in two contracts. Contract 1 will include subsurface utility relocation and retaining wall construction and is anticipated to be advertised for construction in Spring of 2022. The second contract is progressing through the final ROW phase and is anticipated to be advertised to follow construction of Contract 1.

Project Website:

<http://www.exit16ddi.vtransprojects.Vermont.gov>



COLCHESTER HES NH 5600(14) – US ROUTE 7

19 V.S.A. 10g(g)(1) Report compiles projects that have been added to the program subsequent to the FY22 program

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

- BARRE CITY-BARRE TOWN STPG SGNL(62) – SIGNAL IMPROVEMENTS – VT14/VT63 & VT62/BERLIN ST.
- BENNINGTON NH 019-1(30) – INTERSECTION – US7/VT7A/KOCHER DR.
- BENNINGTON NHG SGNL(64) – SIGNAL IMPROVEMENTS – US7/KOCHER DR. & VT9/VT279
- BENNINGTON STP 0137(20) – INTERSECTION – VT7A/NORTHSIDE DR. & VT7A/ORCHARD RD./HICKS AVE.
- BENNINGTON STP 1000(21) – INTERSECTION – VT7A/RICE LN.
- BENNINGTON STPG SGNL(63) – SIGNAL IMPROVEMENTS – VT7A CORRIDOR & VT67A CORRIDOR
- BERLIN-MONTPELIER STPG SGNL(65) – SIGNAL IMPROVEMENTS – US302 CORRIDOR, VT62
- BRADFORD-ST. JOHNSBURY STPG SGNL(66) – SIGNAL IMPROVEMENTS – US5/I91 ACCESS RD. & US5/VT25
- BURLINGTON STP 5000(29) – INTERSECTION – COLCH. AVE./BARRET ST. & COLCH. AVE./MILL ST.
- BURLINGTON STP 5000(30) – INTERSECTION – COLCH. AVE./N. PROSPECT ST./S. PROSPECT ST.
- CASTLETON-MIDDLEBURY STPG SGNL(68) – SIGNAL IMPROVEMENTS – VT4A/VT30, US7/MIDDLE RD., & US7/SHOPPING CTR.
- CAVENDISH NH 025-1(50) – INTERSECTION – VT103/VT131
- COLCHESTER HES NH 5600(14) C/1 – INTERSECTION – I89 EX. 16/US2
- CRASH REPORTING HWCR(331) – CRASH REPORTING TOOL
- DERBY-NEWPORT CITY STPG SGNL(69) – SIGNAL IMPROVEMENTS – VT191/WESTERN AVE., US5/QUARRY RD., & US5/SHATTUCK RD.
- FAIRFAX STP 023-1(8) – INTERSECTION – VT104/VT128
- HARTFORD NH 020-2(53) – INTERSECTION – US5/US4
- JERICHO NH 035-1(3) – INTERSECTION – VT 117/SKUNK HOLLOW RD.
- LONDONDERRY STP 013-2(16) – INTERSECTION – VT100/MIDDLETOWN RD.
- LYNDON STPG SGNL(70) – SIGNAL IMPROVEMENTS – US5/BACK CENTER RD. & US5/VT114/VT122
- MIDDLEBURY NH 019-3(64) – INTERSECTION – US7/BOARDMAN

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

19 V.S.A. 10g(g)(1) Report compiles projects that have been added to the program subsequent to the FY22 program

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

- MIDDLEBURY NHG SGNL(63) – SIGNAL IMPROVEMENTS – US7/MONROE & US7/CHARLES
- MILTON STP 5800(4) – INTERSECTION– US ROUTE 7 CORRIDOR
- MORRISTOWN STPG SGNL(62) – SIGNAL IMPROVEMENTS – ALT. VT100/STAFFORD AVE.
- SHELBURNE NH 019-4(34) – INTERSECTION – US7/HARBOR RD.
- SOUTH BURLINGTON STP 5200(23) – INTERSECTION – VT116/CHEESE FACTORY RD.
- SPRINGFIELD STP 016-2(26) – INTERSECTION – VT ROUTE 11 CORRIDOR
- STOWE STP 0235(24) – INTERSECTION – VT108/LUCE HILL RD.
- STOWE-CAMBRIDGE STP 0235(23) – ROADWAY – VT ROUTE 108
- SWANTON IM 089-3(82) – INTERSECTION – I89 EXIT 21/VT78
- WAITSFIELD STP 013-4(55) – INTERSECTION – VT100/VT17
- WALLINGFORD-RUTLAND STPG SGNL(71) – SIGNAL IMPROVEMENTS – US7/VT140, US4/HOME DEPOT, & US7/VT103
- WEATHERSFIELD STPG SGNL(72) – SIGNAL IMPROVEMENTS – US5/VT131

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

19 V.S.A. 10g(g)(2) Report compiles projects that have increased by more than \$8,000,000 or by more than 100% compared to the FY22 estimate

- BENNINGTON NHG SIGN(72) – VT ROUTE 279 – Increase by more than 100% (\$2.1 million) – This project includes the replacement of signs on VT Route 279. The initial scope did not anticipate replacing overhead sign bridges, however upon inspection and engineering analysis of required sign size the replacement of these structures is required, resulting in an estimate increase.

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 FY22 program and are no longer funded for construction in the FY23 program

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

- BRIDPORT-MIDDLEBURY HES RMBL(5) – CENTERLINE RUMBLE STRIPES – VT ROUTE 125
- HARTFORD STP 0113(59)S – INTERSECTION – US ROUTE 5/SYKES AVE.
- HINESBURG HES 021-1(19) – INTERSECTION – VT 116/SHELBURNE FALLS RD./CVU RD.
- SHELBURNE-SOUTH BURLINGTON NHG SGNL(51) C/2 – SIGNAL IMPROVEMENTS – US ROUTE 7

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