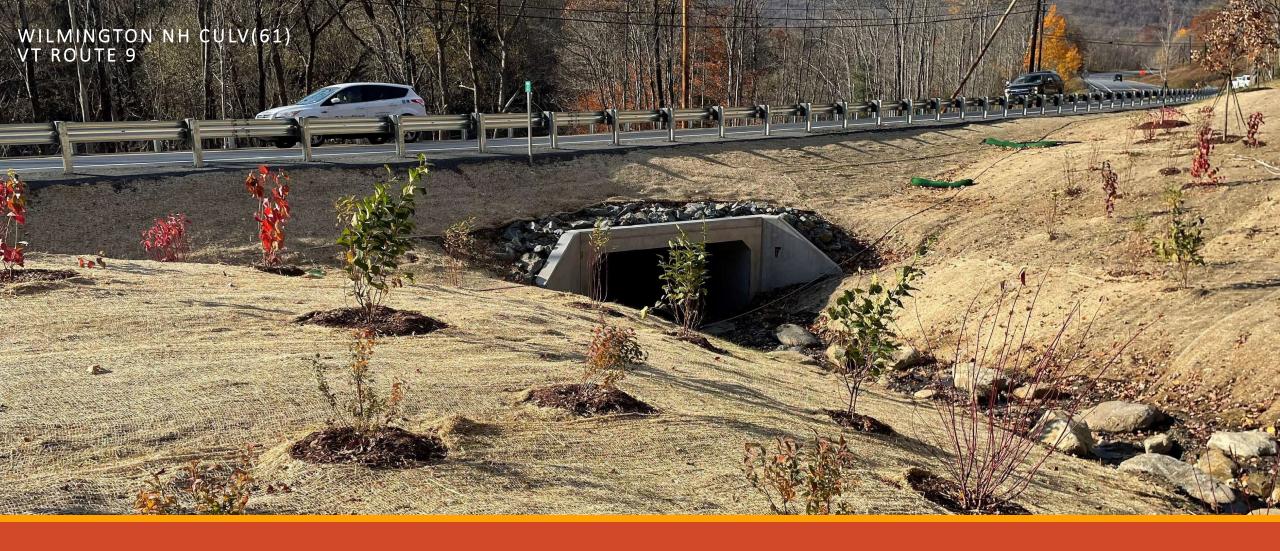
VT Agency of Transportation: Highway Safety & Design Section FY 2026 Roadway Program Budget

House Transportation Committee – January 30, 2025 Presented by: Matt Bogaczyk, Highway Safety & Design Program Manager Tab 5D





ROADWAY PROGRAM GENERAL OVERVIEW

VTrans' mission is through excellent customer service, provide for the safe and efficient movement of people and goods in a socially, economically, and environmentally sustainable manner:

- The roadway design group is responsible for the development and delivery of plans, specifications, and estimates for a wide range of 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 meets the intent of the project
- Schedule: on time delivery of a project





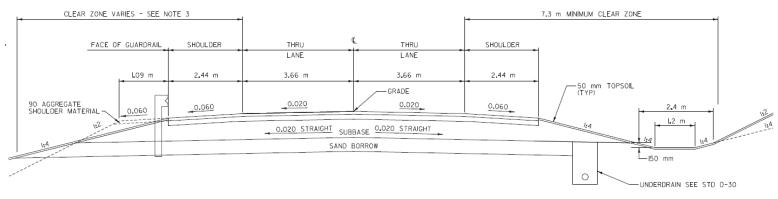
ROADWAY RECONSTRUCTION PROJECTS



Scope: Full depth reconstruction and widening of approximately 1.7 miles of US Route 7 in Pittsford and Brandon. The project includes drainage and stormwater improvements, geometric improvements, the replacement of one bridge, and the extension of two additional bridges.

Construction Cost Est: \$23.3 Million

Project Status: This project is anticipated to be advertised in late Fall of 2025 with construction activities extending into Summer of 2028.





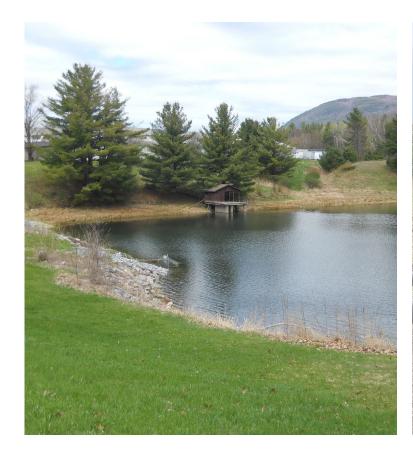
PITTSFORD-BRANDON NH 019-3(494) US ROUTE 7





CULVERT REPLACEMENT / REHABILITATION PROJECTS









Middlebury STP 021-1(37) — Dow Pond Dam CULVERT REPLACEMENT PROJECT







Middlebury STP 021-1(37) — Dow Pond Dam CULVERT REPLACEMENT PROJECT





SLOPE / LEDGE STABILIZATION PROJECTS











Fairlee IM 091-2(97) – Interstate 91 Ledge Remediation Project

Scope: This project includes scaling and stabilization of Rock Cut #1322 on I-91.

Construction Cost Est: \$13.8 Million

Schedule: Construction of this project is anticipated to begin in 2025.

FY 2026 ROADWAY PROGRAM (TAB 5D)

- Appropriation of \$67.66 million
- Minor increase compared to the FY 2025 Roadway Program budget (~\$600,000)
- Includes three primary project phases
 - Preliminary Engineering (design activities)
 - Right-of-Way (acquisition of property and/or easements)
 - Construction
- Budget will fund construction of 47 projects, and will fund the preliminary engineering and/or right-of-way acquisition on an additional 47 projects
- Total Program: 135 projects (Including all years)

37	Number of standard roadway/intersection improvement projects – 5 with FY26 construction funding
35	Number of small culvert rehabilitation/replacement projects – 14 with FY26 construction funding
15	Number of ledge removal/slope stabilization projects – 3 with FY26 construction funding
40	Number of emergency repair projects – 20 with FY26 construction funding
8	Number of miscellaneous projects – 5 with FY26 construction funding



19 V.S.A. 10g(g)(1) Report compiles projects that have been added to the program subsequent to the FY25 program

These projects represent replacements due to current condition of the asset, or permanent repairs due to flood events

- STRATTON FLAP(7) Improve Grout Pond Road
- WARDSBORO ER P23-1(226) Repair flood damage
- BARRE TOWN ER P23-1(697) Repair storm damage
- TOPSHAM ER P23-1(729) Repair storm damage
- TOPSHAM ER P23-1(730) Repair storm damage
- HARDWICK ER P23-1(716) Repair storm damage
- HARDWICK ER P23-1(714) Repair storm damage
- BROOKFIELD ER P23-1(668) Repair storm damage
- LYNDON ER P23-1(710) Repair storm damage
- BARTON ER P23-1(918) Repair storm damage
- MIDDLESEX ER P23-1(639) Repair storm damage
- RICHMOND ER P23-1(599) Repair storm damage
- WOODBURY ER P23-1(674) Repair storm damage
- GREENSBORO ER P23-1(993) Repair storm damage
- WARDSBORO STP 013-1(26) Slope failure on VT100
- FAIRLEE IM 091-2(96) Remediate rock cut
- FAIRLEE IM 091-2(97) Repair rock cut
- SHARON STP 0147(31) Repair slide on VT14
- MIDDLESEX-WORCESTER STP CULV(152) Replace culverts on VT12
- ORWELL-ADDISON STP CULV(153) Replace culverts on VT22A
- ST. JOHNSBURY ER P24-2(701) Repair slope on US2

- ADDISON STP CULV(156) Replace culverts on VT17
- ESSEX TOWN-FAIRFAX STP CULV(157) Replace culverts on VT128
- BENNINGTON STP CULV(158) Replace culverts on VT67A
- ST. GEORGE-WILLISTON STP CULV(159) Replace culverts on VT2A
- GEORGIA-FAIRFAX STP CULV(160) Replace culverts on VT104A
- SHARON-ROYALTON STP CULV(161) Replace culverts on VT14
- SHAFTSBURY-BENNINGTON STP CULV(162) Replace culverts on VT67
- CASTLETON-HUBBARDTON STP CULV(163) Replace culverts on VT30
- COLCHESTER-MILTON STP CULV(164) Replace culverts on US7
- WAITSFIELD-MORETOWN STP CULV(165) Replace culverts on VT100
- ST. JOHNSBURY STP CULV(166) Replace culverts on US2
- DANVILLE-ST. JOHNSBURY NH CULV(167) Replace culverts on US2
- BRIDGEWATER ER P23-1(424) Repair storm damage
- PLAINFIELD ER P24-2(610) Repair storm damage
- WHITINGHAM STP CULV(169) Replace culvert on VT100
- MIDDLESEX IM CULV(170) Rehab culverts on I-89
- BRIGHTON ER P24-3(932) Install box culvert
- WORCESTER ER P24-3(613) Armor slope, repair roadway
- BARNET ER P24-3(708) Replace culvert on US5
- MORGAN ER P24-3(901) Replace culvert on VT111
- WOODSTOCK FLAP(8) Billings Park Trail

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 \$5,000,000 or by more than 75% compared to the FY25 estimate

- FAYSTON STP CULV(112) VT-17: Replace an existing culvert. Cost increase from \$959,654 to \$1,861,379 (+75%) between Initial Estimate and Preliminary Plans due to plan refinement.
- HUBBARDTON STP 0161(32) VT-30: Removal of ledge, including clearing, rock removal, scaling and the installation of a rockfall catchment fence. Cost increase from \$1,628,415 at Preliminary Plans to \$2,986,436 (+75%) at the Low Bid.
- MORRISTOWN ER P20-1(829) VT-15: Slope and culvert repairs as a result of flood events. Cost increased from \$1,207,968 at the Initial Estimate to \$2,140,000 (+75%) at the Low Bid. Cost increase due to scope definition after the initial estimate.
- PITTSFORD-BRANDON NH 019-3(494) US-7: Full depth reconstruction and roadway widening. Cost increased from \$17,709,527 to \$25,776,718 (+\$5 million) due to plan refinement and estimate revisions based on current bidding trends.
- ROYALTON ER P23-1(416) VT-14: Replacement of a 48" culvert due to flood events. Cost increased from the Initial Estimate of \$374,948 to \$923,095 (+75%) due to scope definition and plan development.
- WILLISTON NH CULV(110) VT-2A: Replacement of a culvert. Cost increased from \$582,917 at the Preliminary Plans stage to \$1,082,100 (+75%) at the Low Bid. Increase in cost due to recent bidding trends.

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



19 V.S.A. 10g(g)(3) Report compiles projects that have increased by more than \$10,000,000 or by more than 100% compared to the Preliminary Plan Estimate

- BURLINGTON MEGC M 5000(1) CHAMPLAIN PARKWAY: Increase from \$35,000,000 to \$70,000,000 (+100%/\$10 million).

 Preliminary Plan Estimate from 2016, cost increase due to development revisions and alignment with current bidding trends.
- ESSEX NH SWFR(4) VT-289: Stormwater retrofit project. Increase from \$1 to \$596,170 (+100%) at Final Plans. This project should not be listed, the accurate Preliminary Plans Estimate was \$557,901 and was corrected on the same day.
- ESSEX JCT. STP 5300(13) CRESCENT CONNECTOR: Increase from \$6,000,000 to \$13,000,000 (+100%) due to project development and increasing costs of construction. Preliminary Plans Estimate from 2014.
- MORRISTOWN ER P20-1(829) VT-15: Slope and culvert repairs as a result of flood events. Cost increased from \$718,954 at the Preliminary Plans to \$1,890,000 (+100%) at the Low Bid due to recent bidding trends.
- PITTSFORD-BRANDON NH 019-3(494) US-7: Full depth reconstruction and roadway widening. Cost increased from \$10,125,000 at Preliminary Plans to \$23,311,718 (+100%/\$10 million) at the Contract Plan Estimate due to plan refinement and estimate revisions based on current bidding trends. Preliminary Plans Estimate from 2014.
- WILLISTON NH CULV(110) VT2A: Replacement of a culvert. Cost increased from \$442,588 at the Preliminary Plans stage to \$958,254 (+100%) at the Low Bid due to recent bidding trends.

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



19 V.S.A. 10g(g)(4) Report compiles projects that were funded for construction in the FY25 program and are no longer funded for construction in the FY26 program

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

- ADDISON STP 0172(10) VT125: Slope remediation
- BAKERSFIELD ER P20-1(834) VT-108: Permanent slope repairs due to a flood event
- BRATTLEBORO-PUTNEY STP CULV(140) US-5: Small culvert replacements
- **BURLINGTON RAIZ(5)** Rebuild four streets
- HARDWICK-BARTON STP CULV(136) VT-16: Small culvert replacements
- MORRISTOWN ER P20-1(829) VT-15: Permanent slope and culvert repairs due to a flood event
- WILMINGTON NH CULV(61) VT-9: Culvert replacement

19 V.S.A. 10g(g)(4) REPORT SUMMARY



VT Agency of Transportation:

Highway Safety & Design Section FY 2026 Traffic & Safety Program Budget

House Transportation Committee – January 30, 2025 Presented by: Matt Bogaczyk, Highway Safety & Design Program Manager Tab 5E





Traffic & Safety Program General Overview



VTrans' mission is through excellent customer service, provide for the safe and efficient movement of people and goods in a socially, economically, and environmentally sustainable manner:

- 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 meets the intent of the project
- Schedule: on time delivery of a project



Scope: Project included the installation of a brand new signal system with mast arms at the intersection of US-5 and North Main Street, and signal upgrades at the US-5/Worcester Ave/Hanover Street and Hanover Street/Highland Ave intersections.

Construction Cost Est: \$1.15 Million

Completion Date: Project was substantially complete in Fall of 2024, in conjunction with the STP PS24(2)/NH PS24(3) resurfacing project.



Hartford NHG SGNL(60)





Hartford NHG SGNL(60)





Hartford NHG SGNL(60)



FY 2026 TRAFFIC & SAFETY PROGRAM (TAB 5E)

- Appropriation of \$45.83 million
- Decrease of \$4.8 million compared to the FY 2025 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 14 projects, and will fund the preliminary engineering and/or right-of-way acquisition on an additional 37 projects
- Total Projects in Program: 61

48	Number of intersection improvement projects – 7 with FY26 construction funding
9	Number of sign replacement projects – 3 with FY26 construction funding
4	Number of pavement marking projects * – 4 with FY26 construction funding
	* Restriping on all Interstate, State, Class I TH, and Class II TH roads



Scope: Project will include construction of a "peanut" roundabout at the intersection of VT Route 67A, Silk Rd., Matteson Rd., and College Dr.

Total Project Cost Est: \$5.38 Million

Project Status: This project was advertised in Summer of 2024 with construction activities extending through 2026.



BENNINGTON STP 1000(23) – VT ROUTE 67A / MATTESON RD. / SILK RD.

19 V.S.A. 10g(g)(1) Report compiles projects that have been added to the program subsequent to the FY25 program

• **CRASH REPORTING HWCR(333)** – Crash Reporting System for FFY 2025, including all necessary personnel labor, training, Consultant support and program maintenance.

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 \$5,000,000 or by more than 75% compared to the FY25 estimate

- **BENNINGTON STP 1000(23)** Peanut Roundabout \$3,889,220 to \$7,221,740 (+75%) The scope has remained consistent, and the increased estimate reflects current bidding trends and the low bid cost.
- **BENNINGTON STPG SGNL(63)** Replace/upgrade signals along VT-7A and VT-67A \$2,547,650 to \$5,537,529 (+75%) The scope has remained consistent, and the increased estimate reflects current bidding trends and the low bid cost.
- BRADFORD-ST. JOHNSBURY STPG SGNL(66) Replace signals on US-5 and VT-25 \$1,070,000 to \$2,640,428 (+75%) The new estimated cost is the Preliminary Plan Phase which has revised/replaced the Initial Estimate based on a better-defined scope of work.
- COLCHESTER HES NH 5600(14)C/2 Diverging Diamond Interchange (DDI) at the US-7/I-89 EXIT #16 Interchange \$28,453,752 to \$36,669,442 (+\$5 million) The scope of this project has remained consistent, and the increased estimate reflects current bidding trends.
- MIDDLEBURY NH 019-3(62) Roundabout on US-7 \$3,550,000 to \$6,493,000 (+75%) The construction estimate has increased based on the results of a scoping study recently completed.

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



19 V.S.A. 10g(g)(3) Report compiles projects that have increased by more than \$10,000,000 or by more than 100% compared to the Preliminary Plan Phase Estimate

- **BENNINGTON STP 1000(23)** Peanut Roundabout \$2,787,967 to \$6,454,524 (+100%) The scope has remained consistent, and the increased estimate reflects current bidding trends and the low bid cost.
- **BENNINGTON STPG SGNL(63)** Replace/upgrade signals along VT-7A and VT-67A \$2,255,004 to \$4,937,529 (+100%) The scope has remained consistent, and the increased estimate reflects current bidding trends and the low bid cost.
- COLCHESTER HES NH 5600(14)C/2 Diverging Diamond Interchange (DDI) at the US-7/I-89 EXIT #16 Interchange \$6,634,800 to \$31,615,689 (+100%/+\$10 million) The scope of this project has remained consistent, and the increased estimate reflects current bidding trends. Preliminary Plans Estimate from 2014.
- **RUTLAND TOWN NHG SGNL(59) -** Replace signals on US-7 \$450,876 to \$1,184,479 (+100%) The scope has remained consistent, and the increased estimate reflects current bidding trends and the low bid cost.
- WILLISTON STP 5500(17) Improve VT-2A at Industrial Ave. \$4,751,586 to \$9,519,322 (+100%) The scope has remained consistent, and the increased estimate reflects current bidding trends and the low bid cost.

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



19 V.S.A. 10g(g)(4) Report compiles projects that were funded for construction in the FY25 program and are no longer funded for construction in the FY26 program

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

- **BENNINGTON NHG SIGN(72)** Replace signs on VT-279
- HARTFORD NHG SGNL(60) Replace signals on US-5
- **NEW HAVEN HES 032-1(8)** Realign VT-17/East Street Junction
- POWNAL-DORSET NHG SIGN(71) Replace signs on US-7
- STOWE-CAMBRIDGE ST 0235(27) Install temporary chicanes on VT-108

19 V.S.A. 10g(g)(4) REPORT SUMMARY



VT Agency of Transportation: Highway Safety & Design Section FY 2026 Paving Program Budget

House Transportation Committee – January 30, 2025 Presented by: Matt Bogaczyk, Highway Safety & Design Program Manager Tab 5A





Paving Program General Overview



VTrans' mission is through excellent customer service, provide for the safe and efficient movement of people and goods in a socially, economically, and environmentally sustainable manner:

- 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 six 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 meets the intent of the project
- Schedule: on time delivery of a project



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.

The overarching goal is to deploy the right treatment, on the right asset, at the right time.

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 FROM PAVEMENT DESIGN



Scope: This project is a 9.95 mile reclamation project on VT Route 30 in Brattleboro, Dummerston and Newfane. In addition to improving the roadway surface, work included the installation of drainage improvements, signage, new buffered bike lanes, rock slope stabilization, and pedestrian crossing improvements.

Construction Cost Est: \$24.9 Million (\$2.5 Million / Mile)

Project Status: Construction of this project began in Fall 2022 and completed Spring 2024.



Brattleboro-Newfane STP 2940(1) – VT ROUTE 30









Paving with New Hot Mix



Installing New Guardrail

Brattleboro-Newfane STP 2940(1) – VT ROUTE 30









Rock Slope Scaling and Stabilization



Installing New Crosswalk and RRFB

Brattleboro-Newfane STP 2940(1) – VT ROUTE 30



FY 2026 PAVING PROGRAM (TAB 5A)

- Appropriation of \$102.91 million
- Decrease of \$27.23 million compared to the FY 2025 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 46 paving projects, and will fund the preliminary engineering and/or right-of-way acquisition on an additional 34 projects

71*	Miles to be paved on the Interstate, State, and Class I system
31*	Miles to be paved under Federal leveling /mill and fill on the State system



^{*}Anticipated mileage noted above is associated with calendar year 2025

19 V.S.A. 10g(g)(1) Report compiles projects that have been added to the program subsequent to the FY25 program

These projects were primarily programmed due to the current condition of the asset and are mainly on the NHS

- **COLCHESTER IM 089-3(84)** I-89: Resurface WIM areas
- BETHEL-BROOKFIELD IM 089-1(72) I-89 Northbound: 2" mill and fill
- **GUILFORD-BRATTLEBORO IM SURF(86)** I-91: Preventative maintenance paving, thin treatment
- **NEWBURY-RYEGATE IM 091-2(98)** I-91 Northbound: 2" mill and fill
- **BETHEL-BROOKFIELD IM 089-1(73)** I-89 Southbound: 2" mill and fill
- NORWICH-BRADFORD IM 091-2(99) I-91 Southbound: 2" mill and fill
- COLCHESTER-SWANTON IM 089-3(85) I-89: 2" mill and fill
- COLCHESTER-SWANTON IM 089-3(86) I-89 Southbound: 2" mill and fill
- BRATTLEBORO-WESTMINISTER IM 091-1(88) I-91 Southbound: 2" mill and fill
- WATERBURY-RICHMOND IM 089-2(62) I-89 Southbound: 2" mill and fill
- BERLIN-EAST MONTPELIER NH PS26(10) US-2: 2" mill and fill

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 \$5,000,000 or by more than 75% compared to the FY25 estimate

- KILLINGTON-STOCKBRIDGE ER STP 022-1(25) VT-100 Increase from \$27,211,568 to \$32,840,843 (+\$5 million) Full depth stabilized reclaim with drainage improvements including a small box culvert, slope repairs. Scope has remained consistent, and the increased estimated cost reflects current bidding trends.
- MONTPELIER-WATERBURY IM 089-2(55) I-89 Northbound Increase from \$10,604,284 to \$17,450,000 (+\$5 million) Deep mill and fill with minor grade corrections through milling. The increased estimate reflects plan refinement and more defined traffic control burden due to the scope of work. Data derived from the Southbound Project.
- MONTPELIER-WATERBURY IM 089-2(56) I-89 Southbound Increase from \$10,889,863 to \$17,362,620 (+\$5 million) Deep mill and fill with minor grade corrections through milling. The increased estimate reflects plan refinement and more defined traffic control burden due to the scope of work.

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



19 V.S.A. 10g(g)(3) Report compiles projects that have increased by more than \$10,000,000 or by more than 100% compared to the Preliminary Plan Phase Estimate

• KILLINGTON-STOCKBRIDGE ER STP 022-1(25) — VT-100 — Increase from \$13,200,000 to \$30,929,196 (+100%/\$10 million) - Full depth stabilized reclaim with drainage improvements including a small box culvert, slope repairs. From preliminary plan phase, the scope was adjusted to include more drainage work in addition to plan refinement and adjustment to current bidding trends. Preliminary Plan Estimate is from 2014.

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



19 V.S.A. 10g(g)(4) Report compiles projects that were funded for construction in the FY25 program and are no longer funded for construction in the FY26 program

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

- BENNINGTON NH SURF(81) Resurface VT-279
- BENNINGTON NH SURF(82) Resurface US-7
- BERLIN STP SURF(83) Resurface Berlin State Highway
- BERLIN-BARRE STP SURF(75) Resurface VT-62
- BERLIN-BARRE TOWN STP SURF(84) Resurface VT-63
- CAMBRIDGE-BELVIDERE STP FPAV(69) Resurface VT-109
- DERBY IM 091-3(56) Resurface I-91 Northbound and Southbound
- FAIRFAX-ST. ALBANS STP FPAV(66) Resurface VT-104
- HARTFORD STP PS24(2) Resurface US-5
- HARTFORD NH PS24(3) Resurface US-5

- MILTON-ST. ALBANS TOWN IM 089-3(83) Resurface I-89
 Northbound and Southbound
- MONTPELIER NH PS24(12) Resurface Montpelier State Highway
- NORTHFIELD-BERLIN STP PS24(1) Resurface VT-12
- NORTON-CANAAN STP FPAV(71) Resurface VT-114
- POWNAL-BENNINGTON NH SURF(72) Resurface US-7
- RICHMOND-BOLTON STP 2924(1) Resurface US-2
- SPRINGFIELD-HARTLAND IM SURF(68) Resurface I-91 Southbound
- ST. ALBANS-SHELDON STP 2941(1) Resurface VT-105
- WARDSBORO-JAMAICA STP SURF(74) Resurface VT-100

19 V.S.A. 10g(g)(4) REPORT SUMMARY

