

Contract Number: C03197

Contract Name: COLCHESTER HES NH 5600(14)C/2 (Re-Ad)

VERMONT

AGENCY OF TRANSPORTATION

PROPOSAL

STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2024 SHALL APPLY TO THIS CONTRACT

SPECIAL PROVISIONS

SCHEDULE OF ITEMS

ELECTRONIC BID BOND to be submitted in the amount of 5% of the Contractor's bid.

BIDDING PROCEDURE

Bid Proposals will not be read unless accompanied by an electronic bid bond, and they may be rejected as irregular if they are not in compliance with Agency specifications.

NOTE: All bid proposals shall be properly filled out and submitted electronically utilizing iCX Web System services.

VTrans Mission and Vision

Through excellent customer service, provide for the safe and efficient movement of people and goods.
A safe, reliable, and multimodal transportation system that grows the economy, is affordable to use and operate, and serves vulnerable populations.

Cover Page Proposal	1
Table of Contents	2
Project Special Provisions	3
203-0001 CLAY BORROW	18
525-0001 CONCRETE SINGLE SLOPE BARRIER	19
678-0002 NATURAL GAS-POWERED BACKUP GENERATOR	21
677-0001 BRIDGE-MOUNTED OVERHEAD TRAFFIC SIGN SUPPORT	24
656-0001 IRRIGATION SYSTEMS	27
678-0001 RECTANGULAR RAPID FLASHING BEACONS	29
625-0001 TRAFFIC SIGNAL INTERCONNECTION CABLE	33
675-0002 REMOVE AND RESET PRIVATE SIGN ASSEMBLY	36
Operational Stormwater Permit	39
Construction Stormwater Permit	43
Act 250 Land Use Permit	50
Act 250 Land Use Permit Amendment 1	60
Act 250 Land Use Permit Amendment 2	62
404 Corps of Engineers Permit	67
PIF - Econolite Products	121
PIF - Cree Lighting Products	123
PIF - Cisco Products	125
PIF - Marathon Products	127
PIF - GTT Opticom Products	130
PIF - Generac Generator Products	132
PIF - Redi-Rock Stamping Styles	134
PIF - Scofield Stamping Styles	136
PIF - Wavetronix Products	138
Required Contract Provisions for Federal Aid Construction Contracts FHWA 1273	141
USDOL Davis Bacon Wage Rates - Chittenden - 2025	155
DBE Policy Required Contract Requirements CR110	161
CR 160 - DBE Utilization	166
CR 161 - DBE Participation Schedule	172
CR 162 - DBE Unavailability Certification	173

Attachment C - Standard State Provisions for Contracts and Grants Rev 10-1-24	174
USDOT Standard Title VI Nondiscrim Assurances Appendix A and E	179
Standard Federal EEO Construction Contract Specifications	182
Contractor EEO Certification Form - CA109	189
Vermont AOT Certificate of Compliance - CA271	190
Vermont AOT Minimum Labor and Truck Rates - CA101	194
Commodity Index Prices CA170 - Spec Book 2024	195
Proposal Schedule of Pay Items	196

SPECIAL PROVISIONS

1. NOTICE TO BIDDERS – RE-ADVERTISEMENT. This Contract is being re-advertised due to technical issues involving the State of Vermont's electronic bidding system. Except for the advertisement date and the contractor inquiry deadline date, the proposal has not been modified in any way compared to the previous advertisement. The three (3) addendums released during the original re-advertisement period of March 5, 2025, to April 11, 2025 are still shown as addendums, exactly as they were at the close of the previous advertisement on April 11, 2025.
2. NOTICE TO BIDDERS – CONTRACT COMPLETION DATE. This Contract shall be completed on or before June 30, 2027.
3. NOTICE TO BIDDERS – PROHIBITION OF RUSSIAN GOODS. The Contractor is hereby notified that, pursuant to Vermont Executive Order No. 02-22, dated March 3rd, 2022, the purchase of Russian-sourced goods and goods produced by Russian entities (defined as institutions or companies that are headquartered in Russia or have their principal place of business in Russia) is prohibited. The awarded Contractor must fill out and sign the Executive Order 02-22 Vendor Certification as part of the Contract awarding process.
4. NOTICE TO BIDDERS – WORK REQUIREMENTS. The Contractor is hereby notified that this Contract includes the reconstruction of the traffic signal system at the intersection of Main Street and Tigan Street in the City of Winooski. It is anticipated that work as part of the Winooski Main Street Revitalization project will be ongoing in and around the intersection. The Contractor must communicate with the Winooski Main Street project team and construction contractor to coordinate work schedules and physical location limitations.
5. NOTICE TO BIDDERS – WORK HOUR RESTRICTIONS. For the purposes of this contract, the Peak Hour Traffic period is considered 3:00 PM to 7:00 PM. The Nighttime work period is considered 7:00 PM to 6:00 AM. The Contractor is hereby notified that all work occurring inside the limits of both the existing and proposed roadway surfaces and any work requiring a lane closure shall not occur during the Peak Hour Traffic period.

All work shall be completed in accordance with the requirements of Subsection 105.14(c) and Subsection 105.14(d).

6. NOTICE TO BIDDERS – ELECTRONIC DOCUMENT MANAGEMENT. The Contractor is hereby notified that the Contractor, their subcontractors, and suppliers shall create both a Doc Express and an iCXWeb account. The Contractor shall use these applications for collection and management of electronic documents. Doc Express can be accessed at the following link: <https://docexpress.com>. iCXWeb can be accessed at the following link: vtrans.exevision.com/icx/Index.aspx.

All costs associated with the use of Doc Express and iCXWeb will be considered incidental to Item 635.1100, Mobilization/Demobilization. The State will manage the applications including Contract setup upon Contract execution.

To create an account and for more information regarding the use of Doc Express see the information at the following link:
<https://outside.vermont.gov/agency/vtrans/external/docs/construction/Contracting/DocExpressOverviewforContractors.docx>

To create an account and for more information regarding the use of iCXWeb see the information at the following link: <https://vtrans.vermont.gov/icx>.

7. NOTICE TO BIDDERS – CONTACT WITH THE AGENCY. From the time of advertising until the actual bid opening for this Contract, all prospective Contractors, subcontractors, and suppliers shall direct all inquiries related to this Contract solely to the Agency's Contract Administration Section at AOT.ConstructionContractingInquiry@vermont.gov.

The deadline for submitting inquiries related to this Contract is 4:30 p.m. Eastern Time on April 23, 2025. Inquiries received prior to this time will receive a response from the Agency. Inquiries received after this time may receive a response at the Agency's discretion.

8. NOTICE TO BIDDERS – OTHER SPECIFICATIONS AND CONTRACT REQUIREMENTS.
Operational Stormwater Permit
Construction Stormwater Permit
Act 250 Land Use Permit
Act 250 Land Use Permit Amendment 1
Act 250 Land Use Permit Amendment 2
404 Corps of Engineers Permit
PIF – Econolite Products
PIF – Cree Lighting Products
PIF – Cisco Products
PIF – Marathon Products
PIF – GTT Opticom Products
PIF – Generac Generator Products
PIF – Redi-Rock Stamping Styles
PIF – Scofield Stamping Styles
PIF – Wavetronix Products
FHWA 1273 - Required Contract Provisions for Federal-Aid Construction Contracts
USDOL Davis-Bacon Wage Rates by County
Disadvantaged Business Enterprise (DBE) Policy Contract Requirements - CR-110
Attachment C - Standard State Provisions for Contracts and Grants
USDOT Standard Title VI Nondiscrimination Assurances Appendices A, E
Standard Federal Equal Employee Opportunity (EEO) Construction Contract Specifications
CA26
Contractor Equal Employment Opportunity (EEO) Certification Form – CA109
Vermont Agency of Transportation Certificate of Compliance – CA271
Vermont Agency of Transportation Minimum Labor and Truck Rates – CA101
Commodity Index Prices – CA170
Schedule of Pay Item
9. NOTICE TO BIDDERS – DAVIS-BACON. U.S. Department of Labor Davis-Bacon wage rates are applicable to this Contractor. Copies of the applicable rates are included in this proposal.
- In the included wage rates, the requirements of Executive Orders 13658 and 14026 do not apply to this Contract.
10. NOTICE TO BIDDERS – DISADVANTAGED BUSINESS ENTERPRISE TITLE VI CIVIL RIGHTS ACT OF 1964. The Recipient, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement, Disadvantaged Business Enterprises (DBE) will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award. A list of qualifying DBEs can be found at: <https://apps.vtrans.vermont.gov/dberegistry/dberegistry.aspx>

11. NOTICE TO BIDDERS – DISADVANTAGED BUSINESS ENTERPRISE REQUIREMENTS. The Contractor is hereby notified that there are DBE participation requirements for this Contract. This Contract has a DBE participation goal of two (2) %. See Form CR-160 for guidance and information. Each bidder must report their participation, or lack thereof, by completing Form CR-161 and Form CR-162 through the bid submission process on iCXWeb, which can be accessed using the following link: <https://vtrans.exevision.com/icx/Index.aspx>.
12. NOTICE TO BIDDERS – STANDARD DRAWINGS. The Vermont Agency of Transportation Standard Drawings listed on the Index of Sheets are not included in the plan set, but may be found at the following address: https://outside.vermont.gov/agency/vtrans/external/CADD/WebFiles/Downloads/Standards/VA_OTconSTD_Owner.xml
13. NOTICE TO BIDDERS – INFORMATIONAL DOCUMENTS. The Contractor is hereby notified that the following informational documents for this Contract are available on iCXWeb and the VTrans Bid Opportunities website. These documents are being provided during the bid solicitation period for informational purposes only.
 - (a) Traffic Management Plan (TMP) Checklist
 - (b) Traffic Management Plan (TMP)
 - (c) Geotechnical Report
 - (d) Record Plans
 - (e) Addendum #1 Documents from Advertisement period March 5, 2025 to April 11, 2025
 - (f) Addendum #2 Documents from Advertisement period March 5, 2025 to April 11, 2025
 - (g) Addendum #3 Documents from Advertisement period March 5, 2025 to April 11, 2025
14. NOTICE TO BIDDERS – SURFACE WATER WITHDRAWAL. The Contractor is hereby notified that the Vermont state law, Act 135 of 2022, requires any person withdrawing surface water (as defined in 10 V.S.A. § 1002 (20)) to register with and report the water withdrawal and usage to the Vermont Department of Environmental Conservation beginning January 1, 2023. Guidance can be found here: <https://dec.vermont.gov/watershed/rivers/streamflow-protection/act-135-surface-water-withdrawal-registration-and-reporting>

15. NOTICE TO BIDDERS – ENVIRONMENTAL COMMITMENTS.(a) Threatened, Endangered, and Rare Species.

- (1) The Contractor shall ensure all personnel working on the project site are made aware of the potential presence and protected status of the northern long-eared bat and tricolored bat. The Contractor shall ensure all personnel working on the project site are aware of all environmental commitments related to the Indiana bat, northern long eared bat and tricolored bat.

The clearing of trees ≥ 3 inches in diameter at breast height within the project limits shall be completed between October 1 and April 14, inclusive.

The Contractor is hereby made aware of the potential for Time-of-Year (TOY) restrictions related to proposed off-site areas. Cutting trees ≥ 3 inches in diameter outside of the contract project limits shall require review under Section 105.25 Opening Off-Site Activity Areas.

(b) Invasive Material.

- (1) If invasive species are delineated on the Plans or found in the project area and confirmed by the Engineer, the invasive species, and any soil excavated from areas that contained the invasive species, will be termed invasive material.

The Contractor shall handle the invasive material in accordance with the [VTrans State Highway System Roadside Terrestrial Invasive Plants Best Management Practices \(BMPs\)](#). The Contractor shall stockpile the invasive material separately from other soil stockpile areas. A ground barrier and perimeter containment system shall be in place around the area intended for stockpiling the invasive material. Equipment shall be cleaned of all soil and plant matter prior to arriving on site in accordance with Subsection 107.06. The equipment used for excavation and transport of invasive material shall be cleaned of all soil and plant matter before being used for work in other areas in accordance with the BMPs.

To the extent possible, invasive material shall be reused on site. Invasive material shall only be reused on site in areas where the presence of the invasive species were clearly evident. If there is an excess of invasive material, it shall be wasted in accordance with the BMPs.

The cost of excavating invasive material will be paid for under the appropriate Contract excavation items. When invasive species are delineated on the Plans, the additional cost for handling invasive material, following the BMPs, cleaning

equipment, and wasting excess invasive material will be incidental to all other Contract items. When invasive species are not delineated on the Plans, and compensation is not otherwise provided for in the Contract, the work of handling invasive material, following the BMPs, cleaning equipment, and wasting excess invasive material will be considered extra work in accordance with Subsection 104.03 and will be paid for in accordance with Subsection 109.06.

(c) Contaminated/ Urban Soils Background Area

- (1) The project is located within an Urban Soils Background Area, as shown on the Vermont ANR Natural Resources Atlas. These areas may have high background levels of certain constituents; therefore, the Agency has determined that material generated from these areas should be disposed within an Urban Soil Background Area. These soils shall be reused on-site to the maximum extent possible within the urban soils background area portion of the project. Excess Urban Area soils shall be disposed off-site by the Contractor within a designated Urban Soils Background Area. The process for submittal and review of proposed disposal locations shall be in accordance with Standard Specifications Section 105.25-105.27.

If the Contractor elects to use an alternate location outside of an Urban Soil Background Area, then soils must be disposed in accordance with the Investigation and Remediation of Contaminated Properties Rule (IRule) at no additional expense to the project. The alternate location must be reviewed and approved by VTrans, and the Contractor must secure all necessary permits and approvals from the Vermont Agency of Natural Resources for the alternate disposal site.

16. NOTICE TO BIDDERS – UTILITIES. Existing aerial facilities owned by Green Mountain Power, Consolidated Communications, FirstLight Fiber, Vermont Telephone Company and Comcast Communications will be adjusted, as necessary, by employees or agents of the above companies in accordance with the "*Approximate Aerial Utility Relocation Route*" shown on the project plans.

Existing underground facilities owned by Consolidated Communications, FirstLight Fiber, and Vermont Gas will be adjusted, as necessary, by employees or agents of the above companies in accordance with the "*Approximate Underground Utility Relocation Route*" shown on the project plans.

The Contractor is advised that existing aerial electric and communication lines as well as buried electrical, gas and communication services will be active during the construction of this project. The supporting of buried facilities may be required. The Contractor is advised to use caution while working around all active facilities and to protect them from damage.

Existing water valves owned by the Champlain Water District, may require adjustments to match the newly finished pavement elevation. Necessary elevation adjustments to municipally owned

water valves will be performed by the Contractor in accordance with Item 629.2800, Adjust Elevation of Valve Box.

Existing hydrant(s) owned by the Champlain Water District, requiring relocation according to the project plans will be performed by the Contractor in accordance with Item 629.3600, Relocate Hydrant.

Existing sewer manholes owned by the Town of Colchester, may require adjustments to match the new finished pavement elevation. Necessary elevation adjustments to municipally owned manholes will be performed by the Contractor in accordance with Item 604.4200, Changing Elevation of Sewer Manholes.

Utility Contact Information:

Green Mountain Power	Scott Fraser	(802) 355-1970
Comcast Communications	Conrad Ritchie	(802) 735-4860
FirstLight Fiber	Bill Gray	(802) 373-4319
Consolidated Communications	John Stempek	(802) 793-0723
Vermont Gas Systems	Matt Anderson	(802) 951-0327
Champlain Water District	Andrew Legg	(802) 777-7523
Town of Colchester	Norm Baldwin	(802) 264-5503

The Contractor is advised that one or more of the parties to the Agreements for the construction of the various utility facilities included in this contract have the option of withdrawing the work from the contract. If any of the options are exercised, the contract utility work, in whole or in part, shall be deleted from the contract by the Engineer. The deletion of all or part of these utility items from the contract will not constitute any portion of an increase or decrease of 25% of the total original contract amount or of the original length shown in the contract as set forth in Subsection 109.05, Compensation for Altered Plans or Quantities, and will not be subject to the provisions of 109.04, Changes in the Character of the Work.

The Contactor shall notify Green Mountain Power, Champlain Water District and Vermont Gas two weeks ahead of blasting activities near their infrastructure. These companies may choose to have a representative onsite during this activity.

The Contractor is advised that exploratory excavation to locate existing underground facilities may be necessary to protect these facilities from damage. Where approved by the Engineer, these utilities shall be located and/or exposed by methods such as air/vacuum excavation and/or hand digging to determine their exact location. This exploratory work shall be in accordance with Item 204.2200, Trench Excavation of Earth, Exploratory (N.A.B.I).

The Contractor is advised that many towns are not members of Dig Safe. It is the Contractor's responsibility to check with the towns prior to excavation and it shall protect and restore any utilities damaged within the project limits as set forth in Subsection 107.12 PROTECTION AND RESTORATION OF UTILITIES AND SERVICES.

Employees or agents of the above listed companies are to be allowed free and full access within the project limits with the tools, materials, and equipment necessary to install, operate, maintain, place, replace, relocate, and remove their facilities.

There will be no extra compensation paid to the Contractor for any inconvenience caused by working around and with the companies, or their facilities.

Vermont Statutes Annotated, Title 30, Chapter 86 (“Dig Safe”) requires notice to Dig Safe before starting excavation activities. The Contractor must telephone Dig Safe at 811 at least 48 hours (excluding Saturdays, Sundays and legal holidays) before, but not more than 30 days before, starting excavation activities at any location.

Should the Contractor desire additional adjustments of the utility facilities for his/her convenience, proper arrangements shall be made in conformance with Subsection 105.09 of the Standard Specifications for Construction.

All Contractors, subcontractors or material suppliers involved in any project-related activity shall comply with all applicable codes and regulations related to working around live electrical lines; including, but not limited to maintaining the required minimum clear distance from an electrical utility facility. The Contractor’s Competent Safety Officer shall be well versed in OSHA and VOSHA regulations and shall be capable of implementing a plan to conform to these regulations during prosecution of work.

17. NOTICE TO BIDDERS – RIGHT OF WAY SPECIAL AGREEMENTS. The Contractor is made aware of the following Special Agreements made to adjacent property owners.

(a) Parcel #3, Property Owner: Highpoint Center Area Association, Inc.

- (1) The State of Vermont hereby agrees that any planned activities associated with the Transportation Project, which would require a closure of Highpoint Center Drive, will occur only between the hours of 7 p.m. and 6 a.m. During all other hours of the day, Grantee, its employees, agents and contractors shall not cause Highpoint Center Drive to be obstructed (either totally or partially) in any manner, except in the case of an emergency.

(b) Parcel #6, Property Owner: Restaurants of Northern Vermont, Inc. and Carrols, LLC.

- (1) The State of Vermont shall cause any work performed in the easement areas to be performed in such a manner so as to minimize interference with the operation of the Grantor’s lands. Upon completion of any work performed by the State of Vermont in the easement areas, such area shall be restored to substantially the same condition that existed immediately prior to such work being performed. The temporary easements shall expire upon final completion and acceptance of construction by the Agency of Transportation.

(c) Parcel #17, Property Owner: Cynosure, Inc. Lessor, and Hayward Tyler, Inc., Lessee.

- (1) As further consideration of this conveyance the State of Vermont hereby agrees to re-grade the Grantor's driveway entrance, located at or near and right of approximate station 24+66 of the established centerline of the Transportation Project, extending approximately forty-eight (48') from the established centerline of the Transportation Project.

(d) Parcel #26, Property Owner: Roosevelt Plaza Owner's Association, Inc.

- (1) State of Vermont agrees to give Grantor the timber from the existing sugar maple tree to be felled on Grantor's property at approximately station 48+00.00, LT. of established centerline of the Project, cut to log length and placed on Grantor's property at a mutual agreeable location.

18. NOTICE TO BIDDERS – CONCURRENT CONSTRUCTION. The Contractor is hereby made aware of the following local construction project(s) which are expected to be in progress within the area of this project during its construction.

TABLE 1 – CONCURRENT CONSTRUCTION PROJECTS

Project	Contractor	Anticipated Contract Completion Date
Winooski Main Street Revitalization	Kubricky-Jointa Lime, LLC.	October 16, 2026
South Burlington-Burlington RAIZ (1)	TBD	TBD
Colchester-Essex NH PS24(11)	TBD	TBD
Colchester-Essex STPG SGNL(58)	TBD	TBD
Colchester NH 028-1(31) I-89 Exit 17	Kubricky-Jointa Lime, LLC.	July 1, 2026

This list is not all-inclusive, and it is possible there may be other VTrans, municipal, or private construction projects within the area of this project during its construction.

The Contractor shall coordinate construction schedules and traffic control with the work required for these projects.

There will be no extra compensation paid to the Contractor for any inconvenience caused by working around these or other projects.

19. NOTICE TO BIDDERS – SALVAGED MATERIALS. The Contractor is hereby notified that all traffic signal equipment in Colchester, except strain pole and span wires, removed and not re-used on the project shall remain the property of the State.

The existing traffic signal equipment in Winooski at the Tigan Street signal shall become the property of the contractor.

All costs for loading and delivering these salvaged materials will be incidental to Contract item 678.1000, Removal of Existing Traffic Control Signal System.

The Contractor shall load all of the salvaged materials onto suitable transport and deliver them to the VTrans Colchester, Fort Ethan Allen garage at 189 Troy Avenue.

The Contractor shall contact Derek Lyman [Tel.: (802) 249-5079] a minimum of 2 weeks prior to beginning delivery to the designated location.

20. NOTICE TO BIDDERS – SPECIAL CONSTRUCTION REQUIREMENTS.

- (a) The Contractor shall maintain a safe access to all ramps and U-turns at all times during the construction of this project.
- (b) During construction it will be necessary for the Contractor to maintain one-lane traffic for extended periods of time. In no case shall the paved width for this one-lane traffic, including shoulders, be reduced to less than eleven (11) feet. This paved width shall remain free of obstructions and obstacles at all times.
- (c) The Contractor shall position Portable Changeable Message Signs at locations determined by the Engineer properly warning motorists of the roadway conditions ahead. As directed by the Engineer, these locations may change during construction as needs arise based on daily work activities. The message to be displayed shall be submitted to the Engineer in advance for approval. The displayed message should accurately reflect what motorists can expect to encounter through the project area. The cost of providing the Portable Changeable Message Signs will be paid for under Contract item 641.1500 or 641.1700, as applicable. The Contractor shall also install and maintain appropriate construction signing warning the traveling public of the expected roadway surface conditions.
- (d) Prior to final acceptance of the project, all drop inlets and bridge joints within the project limits shall be cleaned and all material within the drop inlets and bridge joints shall be removed. All paved areas adjacent to curbs shall be swept and cleaned of all extraneous material. Costs for this work will not be paid for directly but will be considered incidental to all Contract items.

- (e) There are special events throughout the year that may require close communication and coordination between the Contractor and the municipality to reduce conflicts. The municipality will advise the Engineer and Contractor of the specifics of each event and the Engineer will direct the Contractor as to what actions, if any, will be necessary on the Contractor's part to minimize impacts to the event. Special events that may conflict with Contractor operations are not limited to those which may be listed in this Notice to Bidders. There will be no extra compensation paid to the Contractor for any inconvenience caused by working around any listed or unlisted special events.

For more information about area special events, contact the following:

Colchester: Kathi Walker O'Reilly
Director of Economic Development
Town of Colchester
781 Blakely Road
802-264-5508

Winooski: Paul Sarne
Communications Coordinator
City of Winooski
27 West Allen Street
802-655-6410 x12

TABLE 2 – SCHEDULE OF KNOWN EVENTS

Event Name	Event Date(s)
Champlain Valley Fair	August 22 – 31, 2025
Waking Windows	May 2025 and May 2026

21. NOTICE TO BIDDERS – AFAD. The Contractor is hereby notified that Automated Flagger Assistance Devices (AFADs) are remotely operated devices that enable a certified flagger to be positioned out of the lane of traffic and are used to control motorists through work zones.

AFADs shall only be used in situations where there is no more than one lane of approaching traffic that needs to be controlled. Additionally, since AFADs are not traffic control signals, they shall not be used to replace traffic signals or other continuously operating traffic control devices.

These devices may be used as a safety enhancement to flaggers on an hour-for-hour basis. AFADs shall meet the following requirements:

- (a) All AFAD applications shall meet the requirements of the applicable sections of the current edition of the *Manual on Uniform Traffic Control Devices (MUTCD)*.

- (b) All AFAD applications shall be in accordance with *NCHRP Report 350* or the *MASH* for the applicable test level and device weight. Documentation of the crashworthiness of the device shall be submitted to the Engineer for approval prior to use on the project.
- (c) AFAD applications shall always be controlled by a flagger who has been trained in the operation of the AFAD and who meets the requirements of Section 630. The flagger shall not flag traffic and operate an AFAD at the same time.
- (d) Should an AFAD malfunction or otherwise not function as intended they shall be replaced by another AFAD or flagger(s) or work shall cease and the roadway shall be opened to unrestricted traffic flow immediately.
- (e) Each AFAD will be considered equivalent to one flagger and will be measured and paid for on an hourly basis under Item 630.1500 Flaggers. One hour of AFAD use shall be paid for as one hour of flagging.
- (f) Flaggers will only be measured for payment when actually performing flagging duties. Flaggers controlling AFADs but not actually flagging will not be measured for payment but will be considered incidental to the Contract lump sum price for Item 641.1000 Traffic Control, or Item 641.1100 Traffic Control, All-Inclusive, as applicable.
- (g) The use of AFADs may be suspended at the discretion of the Engineer.

22. NOTICE TO BIDDERS – ELECTRONIC TICKETING VTRANS PORTAL. The Contractor is hereby notified that the Contractor, their subcontractors, and suppliers shall connect to the VTrans Portal and use the application for distribution and management of electronic tickets (e-tickets). VTrans Portal is a state cloud-based e-ticket database, including a web-based user interface and a jobsite mobile e-ticket application. VTrans Portal will interface with the Contractor's supplier existing point of sales or e-ticketing platform and will allow VTrans to manage bituminous material e-tickets.

All costs associated with the use of VTrans Portal will be considered incidental to the appropriate Section 406 and Section 407 pay items. The Agency will manage the VTrans Portal application including Contract setup upon Contract execution.

To create an account, connect to the VTrans Portal, and for more information regarding the use of VTrans Portal see the information at the following link: <https://www.haulhub.com/vermont-agency-transport-22/>

23. NOTICE TO BIDDERS – PUBLIC INFORMATION CONSULTANT AND PROJECT STATUS. Construction of this project will have a significant impact on the Winooski and Colchester communities, along with the northern Chittenden County region. To this end, VTrans has hired a public information consultant (PIC) to inform the public daily about anticipated construction activities. The VTrans' PIC is:

Annabelle Dally
Public Information Consultant
WSP USA, Inc.
(802) 595-4399
annabelle.dally@wsp.com

The Contractor will be required to coordinate construction activities with the PIC. In addition, the Contractor shall anticipate attending public meetings before project construction begins and actively participating in weekly project status meetings with City of Winooski and Town of Colchester representatives, PIC, Engineer, and others as required by the Engineer. Additional meetings may be required at the request of the Engineer. All costs associated with PIC coordination and project status meeting participation shall be considered incidental to Contract Item 641.1100 Traffic Control, All-Inclusive.

24. NOTICE TO BIDDERS – SIGNAL DRAWINGS. The Contractor shall submit for approval all traffic signal related drawings, with the exception of foundation designs, to VTrans within 28 calendar days after being issued the Notice to Proceed. Foundation drawings shall not be submitted for approval until the Contractor has obtained approved signal mast arm and pole designs. All review times refer to Subsection 105.06.
25. NOTICE TO BIDDERS – MAINTENANCE OF SIGNALS. The Contractor will assume ownership and maintenance responsibilities of the traffic signals within the project limits beginning when construction approach signing is first installed.-For a dark signal or a signal in flash, the Contractor shall report to the site and begin addressing the issue within four (4) hours of receiving notification from the Engineer. For any other signal maintenance issue, the Contractor shall report on site and begin addressing the issue within 48 hours of receiving notification from the Engineer.
26. NOTICE TO BIDDERS – SUBSECTION 105.11(b). Subsection 105.11(b) is hereby modified by being deleted in its entirety and replaced with the following:
 - (b) Permanent Marking Layout. The Contractor shall be responsible for the layout of the permanent traffic markings in accordance with the Plans. The Engineer will verify the layout of the permanent traffic markings, including passing zones and breaks for town highways.
27. NOTICE TO BIDDERS – SUBSECTION 107.21(b). Subsection 107.21(b) is hereby modified by deleting the phrase “M-22-11” from the second sentence and replacing it with the phrase “M-24-02”.
28. NOTICE TO BIDDERS – TABLE 108.12A. Table 108.12A is hereby modified by being deleted in its entirety and replaced with the following:

TABLE 108.12A – DAILY LIQUIDATED DAMAGES CHARGE PER WORKING DAY OF DELAY

Original Contract Amount		Daily Charge per Working Day of Delay
From More Than	To and Including	
\$0	\$1,500,000	\$3,200
\$1,500,000	\$3,000,000	\$3,400
\$3,000,000	\$5,000,000	\$3,600
\$5,000,000	\$10,000,000	\$4,100
\$10,000,000	\$15,000,000	\$4,700
\$15,000,000	\$20,000,000	\$5,200
\$20,000,000	--	\$5,800

29. NOTICE TO BIDDERS – SUBSECTION 646.04(d). Subsection 646.04(d) is hereby modified by deleting the first sentence of the first paragraph in its entirety and replacing it with the following:

The Contractor shall be responsible for the layout for the permanent traffic markings as specified in Subsection 105.11(b).

30. NOTICE TO BIDDERS – SUBSECTION 646.08(a)(2)a. Subsection 646.08(a)(2)a. is hereby modified by deleting the first sentence of the first paragraph in its entirety and replacing it with the following:

Initial dry retroreflectivity minimums for surface-applied polyurea shall be 250 mcd/m²/lx for yellow markings and 350 mcd/m²/lx for white markings.

31. NOTICE TO BIDDERS – SUBSECTION 728.02. When material is supplied in accordance with Subsection 728.02(b) or Subsection 728.02(e), material in accordance with *AASHTO M 180-18* may be substituted in place of material meeting *AASHTO M 180-23*.

32. NOTICE TO BIDDERS – MOBILIZATION/DEMOBILIZATION AND OTHER PAYMENTS. The Contractor is hereby notified that no payments prior to work occurring will be made prior to July 1, 2025.

33. NOTICE TO BIDDERS – LUMP SUM ITEM CHANGE ORDER FOR REIMBURSEMENT. The Contractor is hereby notified that the listed items paid by the lump sum will undergo an immediate change order to divide their value between separate funding sources. For the items specified in Table 3, the Agency only intends for the Contractor to supply 1 Lump Sum for each item in the Contract. The Contractor bid price will be unaffected by the change order. It is only to aid the Agency when seeking Federal reimbursement.

TABLE 3 – DESIRED QUANTITY OF LUMP SUM ITEMS

Item Number	Item Name	Desired Quantity
201.1000	Clearing and Grubbing	1
610.1000	GNSS Machine Control Grading	1
610.2500	GNSS Construction Inspection Surface Models	1
631.1000	Field Office, Engineers	1
631.1600	Testing Equipment, Concrete	1
631.1700	Testing Equipment, Bituminous	1
635.1100	Mobilization/Demobilization	1
641.1100	Traffic Control, All-Inclusive	1
653.0100	EPSC Plan	1
656.8500	Tree Protection	1

34. NOTICE TO BIDDERS – FUEL PRICE ADJUSTMENT. In addition to the items specified in Section 690, the Special Specification items listed in Table 4 will also be eligible for Fuel Price Adjustment under Section 690.

TABLE 4 – SPECIAL SPECIFICATION ITEMS SUBJECT TO FUEL PRICE ADJUSTMENT

Special Specification Pay Items Subject to Adjustment:		Using the Tabulated Fuel Usage Factor and Threshold Quantity for:
Item No.	Item Name	Work Category
N/A	N/A	N/A

SECTION 203-0001 – CLAY BORROW

203-0001.01 DESCRIPTION. This work shall consist of furnishing and placing clay borrow as detailed on the Plans and as directed by the Engineer.

The work under this section shall be performed in accordance with these provisions, the Plans, and Section 203.

203-0001.02 MATERIALS.

(a) Clay Borrow. Clay borrow shall be an A-6 or A-7 soil in accordance with Subsection 703.01. Acceptance testing shall be completed prior to installation of clay borrow.

203-0001.03 CONSTRUCTION REQUIREMENTS. Clay borrow shall be placed within the limits shown on the Plans in uniform horizontal layers not exceeding 6 inches in thickness (loose measurement). The material shall be compacted to a uniform density to the satisfaction of the Engineer before each new layer is placed.

203-0001.04 METHOD OF MEASUREMENT. The quantity of Clay Borrow to be measured for payment will be the number of cubic yards placed in the complete and accepted work within the limits specified on the Plans or as directed by the Engineer.

203-0001.05 BASIS OF PAYMENT. The accepted quantity of Clay Borrow will be paid for at the Contract unit price per cubic yard. Payment will be full compensation for performing the work specified and for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
203.3000001 Clay Borrow	Cubic Yard

SECTION 525-0001 – CONCRETE SINGLE SLOPE BARRIER

525-0001.01 DESCRIPTION. This work shall consist of installing permanent cast-in-place concrete single slope barrier along the roadside.

525-0001.02 MATERIALS. Materials shall meet the requirements of the following subsections:

Mortar, Type IV	707.01(e)
Bar Reinforcement	713.01
Flat Sheet Aluminum	750.03
Retroreflective Sheeting.....	750.04
Steel Delineators	751.01

Concrete shall meet the requirements of Section 501 for Performance-Based Concrete, Class PCD unless otherwise specified in the Contract. For any class of concrete that is not included in Section 501, a shrinkage-compensating admixture shall be added during the initial concrete mixing phase or as recommended by the chemical manufacturer’s product representative. The Contractor shall provide a written recommendation from the chemical manufacturer’s product representative for the appropriate shrinkage-compensating dosage.

Dowels shall be in accordance with Subsection 713.01. Grout for doweling shall be in accordance with Subsection 707.01(e).

Type IV mortar shall be of the pre-packaged type in accordance with Subsection 707.01(e)(1).

525-0001.03 FABRICATION DRAWINGS. The Contractor shall submit a bending schedule for concrete reinforcement in accordance with the requirements of Subsection 105.06.

525-0001.04 FABRICATION. Concrete forms shall conform to the barrier design shown on the Plans and the forming requirements of Section 501. Forms shall be constructed to allow for checking and correcting the alignment and grade after the concrete has been placed and prior to initial set. The forms shall be reinforced in such a manner that finishing of the barrier tops will not disturb the final adjusted alignment.

Reinforcing steel shall be placed in accordance with Section 507.

525-0001.05 INSTALLATION.

- (a) General Requirements. Barriers shall be installed in conformance with the applicable provisions of Section 525 and these specifications. Alignment, grade, and clearances at joints shall be adjusted to the satisfaction of the Engineer.

Special Provisions Part II – Special Specifications

Concrete barrier shall receive an aesthetic finish in accordance with Subsection 501.14(a)(2). Cracks in concrete railing shall be repaired by a method approved by the Engineer. Cracks in concrete greater than 0.01 inch may be cause for rejection.

- (b) Delineation. Delineation devices shall be of the design shown on the Plans and shall be securely fastened to the barrier posts as shown on the Plans or as directed by the Engineer.

525-0001.06 METHOD OF MEASUREMENT. The quantity of Concrete Single Slope Barrier to be measured for payment will be the number of linear feet of barrier used in the complete and accepted work. Measurement will be made along the face of the barrier from end to end or between the pay limits specified. No deductions or additions will be made for joints.

525-0001.07 BASIS OF PAYMENT. The accepted quantity of Concrete Single Slope Barrier will be paid for at the Contract unit price per linear foot. Payment will be full compensation for detailing, furnishing, handling, placing, delineating, and for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
525.5400001 Concrete Single Slope Barrier	Linear Foot

SECTION 678-0002 – NATURAL GAS-POWERED BACKUP GENERATOR

678-0002.01 DESCRIPTION. This work shall consist of furnishing and installing a natural gas-powered backup electrical generator and connecting it to traffic control signal systems as shown on the Plans and as directed by the Engineer.

The work under this section shall be performed in accordance with these provisions, the Plans, and Section 678.

678-0002.02 MATERIALS. Materials shall meet the requirements of the following subsections:

Granular Backfill for Structures	704.08
Bar Reinforcement.....	713.01
Carbon Steel Bolts, Nuts, and Washers.....	714.04
Anchor Bolts for Signals, Lighting, and Overhead Signs.....	714.09
Electrical Conduit	752.06

Concrete shall conform to the requirements of Section 541 for Concrete, Class B.

- (a) Generator. The generator shall be a 120/240-volt AC, 60 Hz, single phase generator designed for continuous outdoor use with an output rating as specified in the Plans, and operable during and after exposure to ambient temperatures between -20°F and 140°F.

The generator shall have a starting system that includes a manufacturer-supplied switch for selection of automatic or manual starting modes. In automatic mode, the starting system shall be configured to automatically start the generator no more than 10 seconds after loss of commercial electrical power and to automatically stop the generator after restoration of commercial electrical power. The generator shall undergo a cooling period during which the generator operates under no load for a programmed duration prior to automatically shutting down. The generator shall be capable of automatic routine operations during periods of inactivity. The generator shall have vibration dampening equipment installed for use on a concrete pad.

- (b) Weatherproof Enclosure. The enclosure shall be of the type designed for use with the generator supplied.
- (c) Transfer Switch. A UL-listed, 200-amp automatic transfer switch shall be supplied by the generator manufacturer and mounted in an enclosure meeting the requirements of *ANSI/NEMA 250*, Type 3R that is sized to match the generator and the connected loads. The switch shall have automatic and manual activation functions.
- (e) Starting Batteries. A 12-volt DC battery system shall be supplied to provide starting power for the generator in accordance with the generator manufacturer's recommendations. The batteries shall be readily available and not proprietary.

Special Provisions Part II – Special Specifications

- (f) Fuel Supply. A piped natural gas service shall be installed to supply the generator with fuel. The Contractor shall coordinate with the local natural gas utility and provide all connections and meters, regulators, and other accessories necessary for a continuous natural gas supply to the generator during a power outage.
- (g) Associated Electrical Wiring. The Contractor and generator manufacturer shall provide all wiring, connectors, and harnesses necessary to provide a complete electrical backup system. The system shall meet the requirements of NEMA, the *National Electric Code*, and Section 678.

678-0002.03 SUBMITTALS. The generator's product specifications shall be submitted to the Engineer prior to the Contractor procuring the generator and all necessary incidental equipment for the complete installation. At a minimum, the specifications shall include:

- (a) Output rating
- (b) Engine specifications
- (c) Transfer switch parameters
- (d) Control panel functions
- (e) Weatherproof enclosure
- (f) Starting batteries

A copy of all operation and maintenance manuals shall be included in the traffic signal cabinet with the rest of the documentation as required in Subsection 678.05(j).

678-0002.04 CONSTRUCTION REQUIREMENTS

- (a) Installation. Installation of the generator, wiring, fuel supply, and testing shall be performed in accordance with the Contract, the manufacturer's recommendations, and as directed by the Engineer.

A product-specific mounting pad, if commercially available, shall be installed per the manufacturer's specifications.

If a product-specific pad is unavailable, a concrete pad meeting the requirements of Subsection 618.04 and of the size and depth indicated on the Plans, shall be installed. The pad shall have a brushed finish. The pad shall have threaded stainless steel anchor bolts located at locations identical to mounting holes fabricated on the selected generator and of the size matching the holes on the generator, such that the generator can be secured to the concrete pad.

Special Provisions Part II – Special Specifications

- (b) Testing. Prior to turn-on and testing, all construction of the traffic signal system shall be complete. Testing shall occur in the presence of the Engineer, the Project Manager, and the Agency's Traffic Signal and ITS Manager or a designated representative. A uniformed traffic officer shall be required at the signalized intersection during the test.

The test shall consist of a simulated power outage by disengaging the main breaker at the power stanchion and ensuring that the generator automatically starts within 10 seconds of main power loss. In order to be accepted, the generator must power the entire traffic signal system on its own for a period of 1 hour, or for a time period determined by the Traffic Signal Operations Engineer, whichever is less, and then deactivate automatically upon main power restoration.

678-0002.05 METHOD OF MEASUREMENT. The quantity of Natural Gas-Powered Backup Generator to be measured for payment will be the number of each generator assembly furnished and installed in the complete and accepted work.

678-0002.06 BASIS OF PAYMENT. The accepted quantity of Natural Gas-Powered Backup Generator will be paid for at the Contract unit price per each at each designated location.

Payment will be full compensation for providing and installing the concrete pad; mounting hardware; the generator; the weatherproof enclosure; starting batteries; the transfer switch; the wiring to and from the traffic signal controller cabinet and the power stanchion as required; and the natural gas fuel supply and its required components, including but not limited to, gas lines and connections, meters, and regulators; and for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
678.2005001 Natural Gas-Powered Backup Generator	Each

SECTION 677-0001 – BRIDGE-MOUNTED OVERHEAD TRAFFIC SIGN SUPPORT

677-0001.01 DESCRIPTION. This work shall consist of detailing, fabricating, furnishing, and installing bridge-mounted overhead traffic sign supports.

The work under this section shall be performed in accordance with these provisions, the Plans, and Section 506.

677-0001.02 MATERIALS. Materials shall meet the requirements of the following subsections:

Mortar, Type IV	707.01(e)
Structural Steel Coating Systems	708.03
Structural Steel.....	714.02
High-Strength Low-Alloy Structural Steel	714.03
High-Strength Structural Bolts and Assemblies, 120 ksi	714.05
Anchor Bolts for Signals, Lighting, and Overhead Signs	714.09
Direct Tension Indicators.....	714.12
Galvanizing.....	726.06
Bearing Pads.....	731.01
Elastomeric Material	731.02

Type IV mortar shall be of the pre-packaged type in accordance with Subsection 707.01(e)(1).

677-0001.03 DESIGN REQUIREMENTS. All design details, quality of work, procedures, and materials shall be in accordance with the *AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals*.

(a) Connections.

- (1) The design of the structure shall use shop welded connections whenever possible. Field welded connections will not be allowed (including member-to-member connections within the new structure as well as connections to the existing bridges, railings, and other metallic surfaces or structures).
- (2) Bolted connections shall be designed such that they are sufficient for the current surface conditions of the existing bridge.
- (3) The faying surface of the galvanized sign support member shall meet the requirements of a Class C surface as specified by the *AASHTO LRFD Bridge Design Specifications*.

(b) Galvanizing. All structural steel shall be galvanized in accordance with Subsection 506.22(b).

(c) Preformed Elastomeric Bearing Pads. Preformed elastomeric bearing pads shall be 1/8 inch thick.

Special Provisions Part II – Special Specifications

- (d) Field Measurements. The Contractor shall take field measurements of the bridge to verify the dimensions and skew angles shown on the Plans to ensure the proper attachment and minimum clear distances of the proposed sign to the bridge structure, and to ensure bridge clearance, prior to submitting fabrication drawings.

Adjustments to the dimensions shown on the Plans may be required to ensure the sign structure connections avoid rail posts, field splice plates, and connection plates or transverse stiffeners.

- (e) Sign Location. No part of the sign or sign structure shall project below the bottom flange of the bridge girders or reduce the structure's vertical clearance.

Support structures shall be of the length, width, and depth necessary to display all overhead signs mounted to them such that sign faces shall be within 5° of perpendicular to the edge of pavement at a point directly below the sign face. A minimum of 2 inches of clearance shall be provided between the back side of the sign support and the outermost face of the element the support structure is mounted to.

- (f) Braces. The horizontal braces shall not extend beyond the face of rail.
- (g) Anchor Plate and Bolts. Anchor bolts with nut and washer shall be installed in holes drilled into the concrete as shown on the Plans. The holes shall be filled with Type IV mortar after the anchor bolts have been installed.

677-0001.04 SUBMITTALS. Prior to fabrication, the Contractor shall submit to the Engineer for approval detailed fabrication and construction drawings of the bridge-mounted overhead traffic sign support in accordance with Subsection 105.06. The fabricator and Contractor shall be responsible for bringing to the Agency's attention any errors or discrepancies they discover. The submittal shall include, but not be limited to, the following:

- (a) Complete design drawings and design calculations substantiating that the proposed design satisfies the design parameters in the Contract. The sign support drawings and design calculations shall be signed, stamped, and dated by a professional engineer.
- (b) A complete list of materials, anchor bolt layouts, tightening procedures, welding details, and welding procedures.
- (c) Wind, snow, and ice design loadings, with the proposed signs sizes, as indicated on the Plans, factored in.
- (d) An erection plan, detailing how the Contractor will install the units.
- (e) Details not shown on the Plans that are necessary for completing the fabrication drawings shall be developed by the fabricator.

Special Provisions Part II – Special Specifications

677-0001.05 CONSTRUCTION REQUIREMENTS. All fabrication shall be performed in accordance with Section 506.

The Contractor shall install bridge-mounted overhead traffic sign supports per the manufacturer’s erection plan, as approved by the Engineer.

677-0001.06 METHOD OF MEASUREMENT. The quantity of Bridge-Mounted Overhead Traffic Sign Support to be measured for payment will be the number of each complete assembly installed in the complete and accepted work. An assembly shall include the steel support members, bolts, nuts, washers, anchor bolts, preformed elastomeric bearing pads, coatings, and mortar.

677-0001.07 BASIS OF PAYMENT. The accepted quantity of Bridge-Mounted Overhead Traffic Sign Support will be paid for at the Contract unit price for each. Payment will be full compensation for fabricating, furnishing, transporting, handling, and installing the bridge-mounted overhead traffic sign support, including field measurements, steel surface preparation, coatings, steel support members, bolts, nuts, washers, anchor bolts, preformed elastomeric bearing pads, mortar, anchor bolt assemblies, drilling for anchor bolts, welding, and for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
677.1300001 Bridge-Mounted Overhead Traffic Sign Support.....	Each

SECTION 656-0001 – IRRIGATION SYSTEMS

656-0001.01 DESCRIPTION. This work shall consist of removing and resetting existing private irrigation systems as shown on the Plans and as directed by the Engineer.

656-0001.02 MATERIALS.

- (a) Irrigation Components. System components requiring replacement shall be replaced with materials of similar size and type to complete the work.

Backfill shall be in situ material unless otherwise approved by the Engineer.

656-0001.03 CONSTRUCTION REQUIREMENTS. The Contractor shall coordinate all irrigation system removal and installation activities with the property owner. Existing materials shall be used to the greatest extent possible. Care shall be taken during the removal, handling, storage, and installation of the irrigation system components. Prior to removal, the depth of the system components shall be noted so that the system can be replaced at the same depth.

Any components damaged due to the Contractor's negligence shall be replaced with new components at the Contractor's expense, and as directed by the Engineer. Any components that were previously damaged prior to removal or were damaged through no fault of the Contractor, as determined by the Engineer, will be paid for as extra work in accordance with Subsection 104.03.

In the event that the system is not reset prior to October 15th, the Contractor shall ensure that irrigation lines are clear of water.

656-0001.04 TESTING. The reset irrigation system shall be tested for proper operation after installation. The Contractor shall demonstrate that timers, hoses, and sprinkler heads operate correctly.

656-0001.05 METHOD OF MEASUREMENT. The quantity of Remove and Reset Private Irrigation System to be measured for payment will be the number of each system removed and reset in the complete and accepted work.

656-0001.06 BASIS OF PAYMENT. The accepted quantity of Remove and Reset Private Irrigation System will be paid for at the Contract unit price for each. Payment will be full compensation for removing, transporting, handling, storing, and resetting all necessary components of the irrigation system at the locations indicated on the Plans or as directed by the Engineer; providing any new replacement components for components damaged during removal, storage, or resetting; performing any necessary excavation, backfilling, electrical and water connections, and testing; and for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work.

Special Provisions Part II – Special Specifications

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
656.6500001 Remove and Reset Private Irrigation System.....	Each

SECTION 678-0001 – RECTANGULAR RAPID FLASHING BEACONS

678-0001.01 DESCRIPTION. This work shall consist of furnishing and installing one or more rectangular rapid flashing beacon (RRFB) assemblies at the locations specified on the Plans and as directed by the Engineer.

The work under this section shall be performed in accordance with these provisions, the Plans, Section 675, and Section 678.

678-0001.02 MATERIALS. Materials shall meet the requirements of the following subsections.

Granular Backfill for Structures.....	704.08
Mortar, Type IV	707.01(e)
Aluminum Filled Silicone Sealant.....	707.11
Bar Reinforcement.....	713.01
Anchor Bolts for Signals, Lighting, and Overhead Signs	714.09
Flat Sheet Aluminum.....	750.03
Retroreflective Sheeting.....	750.04
Electrical Conduit	752.06
Traffic Signal Conductor Cable	752.07
Grounding Electrodes.....	752.11

Concrete shall conform to the requirements of Section 541 for Concrete, Class B.

- (a) RRFB Assembly, AC-Powered. AC-powered RRFB assemblies shall consist of bases, poles, traffic signs, RRFBs, pedestrian push buttons, assembly hardware, a control cabinet, and internal wiring. Assemblies shall be single sided or double sided and have the capability to be hardwired or wirelessly interconnected with multiple RRFB assemblies at the same crosswalk. Assemblies shall meet the following requirements and be one of the products listed on the Agency's *Approved Products List*.
- (1) Bases. Bases shall be aluminum breakaway features with a hand hole that is a minimum of 8 inches by 8 inches.
 - (2) Poles. Poles shall be aluminum with an outside diameter of 4-1/2 inches.
 - (3) Traffic Signs. Signs shall be as specified on the Plans and in accordance with the *MUTCD*, Section 675, and the following requirements:
 - a. W11-2 pedestrian traffic signs shall have a black legend on a Type VII, Type VIII, or Type IX fluorescent yellow-green background.
 - b. W16-7pL left diagonal arrow plaques shall have a black legend on a Type VII, Type VIII, or Type IX fluorescent yellow-green background.

Special Provisions Part II – Special Specifications

- c. W16-7pR right diagonal arrow plaques shall have a black legend on a Type VII, Type VIII, or Type IX fluorescent yellow-green background.
 - d. R10-25 pedestrian push button signs shall have a black legend on a Type IX white background.
- (4) RRFB. RRFBs shall be in accordance with the *MUTCD* for rectangular rapid flashing beacons.
- (5) Pedestrian Push Buttons. Pedestrian push buttons shall conform to the requirements of the *MUTCD*.
- (b) RRFB Assembly, Solar-Powered. Solar-powered RRFB assemblies shall be in accordance with Subsection 678-0001.02(a) and shall include solar charging panels, a control cabinet, and batteries capable of power autonomy for a minimum of 10 days without charging. The batteries used shall be readily available and not proprietary. Assemblies shall be one of the products listed on the Agency's *Approved Products List*.

678-0001.03 SUBMITTALS. The RRFB system manuals shall be submitted to the Engineer a minimum of 10 working days prior to the scheduled start of the first operations stand-alone test.

678-0001.04 CONSTRUCTION REQUIREMENTS.

- (a) Installation. Installation of the RRFB foundations, signs, support assembly, power supply, and testing shall be performed in accordance with the Contract, the manufacturer's recommendations, and as directed by the Engineer.

Installation of steel reinforcement shall conform to the requirements of Section 507.

Watertight breakaway electrical fuse holders shall be installed in all line and neutral conductors at the breakaway base. The Contractor shall consult with the applicable utility company prior to beginning such work.

- (b) Operations Stand-Alone Test. A 30-day test period is required for all RRFB installations. The completed RRFB installations shall be continuously operated for at least 30 calendar days in a satisfactory manner. If any equipment fails during the 30-day test period, it shall be repaired or replaced at no additional cost to the Agency. Following the repair or replacement of any equipment, a new 30-day test period shall begin.
- (c) Removing RRFB Systems. The Contractor shall remove RRFB systems as shown on the Plans. Unless otherwise shown on the Plans, removal shall include foundations to a minimum depth of 12 inches below finished grade, the posts, traffic signs, push buttons, controller cabinet if present, and solar panel if present, all other incidentals, as applicable, and filling holes and returning the area to a condition consistent with the adjacent area.

Special Provisions Part II – Special Specifications

Foundations shall not be removed when RRFB assemblies are to be set or reset on them. Unless otherwise shown on the Plans, all material removed shall become the property of the Contractor.

RRFB systems shown on the Plans that are to be removed and salvaged, including posts, signs, push buttons, controller cabinet, solar panel, and all other equipment, shall be removed as specified herein and delivered to the locations identified in the Contract. Mounting hardware shall be in a sealed container and clearly marked with its contents. Components damaged during removal or salvaging through the fault of the Contractor, as determined by the Engineer, shall be replaced at no cost to the Agency.

RRFB systems shown on the Plans that are to be removed and reset, including posts, signs, push buttons, controller cabinet, solar panel, and all other equipment, as applicable, shall be removed as specified herein and stored as necessary until they are to be reset. Components damaged during removal or storage through the fault of the Contractor, as determined by the Engineer, shall be replaced at no cost to the Agency.

- (d) Resetting RRFB Systems. RRFB systems that are to be reset, including posts, signs, push buttons, controller cabinets, solar panels, and all other equipment, shall be reset at the locations shown on the Plans.

Reset RRFB systems shall be subject to the 30-day operations stand-alone test period specified in Subsection 678-0001.04(b).

The Contractor shall be responsible for transporting all posts, signs, push buttons, controller cabinets, solar panels, and all other equipment to and from the stockpiling location. The Contractor shall supply new mounting hardware and new foundations, as required, to reset RRFB systems.

Posts, signs, push buttons, controller cabinets, solar panels, and all other equipment damaged during resetting through the fault of the Contractor, as determined by the Engineer, shall be replaced at no additional cost to the Agency.

678-0001.05 METHOD OF MEASUREMENT. The quantity of RRFB, AC-Powered, Single Sided; RRFB, AC-Powered, Double Sided; RRFB, Solar-Powered, Single Sided; and RRFB, Solar-Powered, Double Sided to be measured for payment will be the number of each RRFB assembly furnished and installed in the complete and accepted work.

The quantity of Remove RRFB System to be measured for payment will be the number of each RRFB system removed in the complete and accepted work. A system is considered a pair of connected assemblies at a crosswalk.

The quantity of Remove and Reset RRFB System to be measured for payment will be the number of each RRFB system removed and reset to a location identified in the Contract in the complete and accepted work. A system is considered a pair of connected assemblies at a crosswalk.

Special Provisions Part II – Special Specifications

678-0001.06 BASIS OF PAYMENT. The accepted quantity of RRFB, AC-Powered, Single Sided; RRFB, AC-Powered, Double Sided; RRFB, Solar-Powered, Single Sided; RRFB, Solar-Powered, Double Sided; Remove RRFB System; and Remove and Reset RRFB System will be paid for at the Contract unit price per each at each designated location.

Payment will be full compensation for providing and installing the foundation, grounding electrode with conduit, RRFB, signs, control cabinet, any required attachment hardware, breakaway base, solar panel (if required), batteries (if required), pedestrian-activated push button; testing the RRFB; display of identification and contact information for the municipality (if required); and for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work.

Partial payments for RRFB, AC-Powered, Single Sided; RRFB, AC-Powered, Double Sided; RRFB, Solar-Powered, Single Sided; and RRFB, Solar-Powered, Double Sided will be made as follows:

- (a) The initial payment of 75% of the Contract unit price will be made upon installation of a functioning system as indicated by a successful continuous 24-hour operation test period.
- (b) The final 25% of the Contract unit price will be paid upon acceptance of the project.

The accepted quantity of Remove RRFB System will be paid for at the Contract unit price per each system at each designated location.

Payment will be full compensation for removing all components of the RRFB system, including the foundation if required, transporting the components to a designated location if the system is to be salvaged, and for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work.

The accepted quantity of Remove and Reset RRFB System will be paid for at the Contract unit price per each at each designated location.

Payment will be full compensation for removing all components of the RRFB system, stockpiling, transporting the components to and from the stockpile location, resetting the RRFB system, installing new foundations if specified on the Plans, all testing required, and for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
678.2020001 RRFB, AC-Powered, Single Sided	Each
678.2020002 RRFB, AC-Powered, Double Sided.....	Each
678.2020003 RRFB, Solar-Powered, Single Sided	Each
678.2020004 RRFB, Solar-Powered, Double Sided.....	Each
678.2020005 Remove RRFB System	Each
678.2020006 Remove and Reset RRFB System.....	Each

SECTION 625-0001 – TRAFFIC SIGNAL INTERCONNECTION CABLE

625-0001.01 DESCRIPTION. This work shall consist of furnishing and installing interconnecting fiber optic cable inside of a conduit to connect traffic signal controller cabinets with telecommunications as shown on the Plans and as directed by the Engineer. The conduit shall also contain a tracer wire.

625-0001.02 MATERIALS. Materials shall meet the requirements of the following subsections:

Electrical Conduit752.06

(a) Fiber Optic Cable. The interconnecting fiber optic cable shall be an indoor/outdoor, general purpose, tight-buffered, 6-fiber cable with the following characteristics:

(1) Functional Requirements. The cable shall be suitable for installation in an underground conduit environment including constant immersion in water. Only non-metallic cable shall be used.

All fiber optic glass shall be manufactured by the same manufacturer.

(2) Environmental Requirements. The cable shall be capable of functioning within specifications over its full lifetime at a temperature range of -40 °F to 185 °F, and when totally immersed in water for indefinite periods of time.

(3) Optical Requirements. The cable shall use a multimode fiber with a maximum nominal attenuation of 2.8 decibels per kilometer at a wavelength of 850 nanometers and a maximum nominal attenuation of 1 decibel per kilometer at a wavelength of 1,300 nanometers.

(4) Mechanical Requirements.

a. Diameter. The cable shall have an outer diameter of 0.21 inches and contain 6 fibers with a nominal fiber core of 50 micrometers.

b. Color Coding. Each fiber shall have a color coating applied to it by the manufacturer. The coating shall not affect the optical characteristics of the fiber. The basic color configuration shall be as follows, in accordance with *TIA-598*:

1. Blue
2. Orange
3. Green
4. Brown
5. Slate

Special Provisions Part II – Special Specifications

6. White

- c. Tensile Strength. The cable shall be able to withstand a pulling tension of 150 pounds without changing the characteristics of the optical fibers.
 - d. Bend Radius. The cable shall be able to withstand a minimum bending radius of 3.1 inches during installation and 1.0 inches during operation.
- (b) Conduit. Conduit shall be schedule 80 with a minimum diameter of 2 inches and shall meet the requirements of Subsection 752.06.
- (c) Tracer Wire. Tracer wire shall be a minimum of 14-gauge wire with orange insulation sheathing.

625-0001.03 CONSTRUCTION REQUIREMENTS.

- (a) Electrical Conduit. Electrical conduit shall be installed in accordance with the requirements of Section 625 and Section 678.
- (b) Fiber Optic Cable. Fiber optic cable shall be installed inside of the electrical conduit and in accordance with the requirements for wiring in Section 678.

Cable-pulling operations shall be performed in a way that ensures that the minimum bend radius of the cable is not exceeded during the unreeling and pulling operations. The Contractor shall use entry guide chutes to guide the cable into the pull-box conduit ports and lubricating compound to minimize cable-to-conduit friction.

The radii of corner rollers (wheels) used during installation shall not be less than the minimum installation bending radius of the cable. A series array of smaller wheels may be used to accomplish the bend if the array is specifically approved by the cable manufacturer. The pulling tension shall be continuously measured and shall not be allowed to exceed the maximum tension specified by the manufacturer of the cable. Fuse links and breaks shall be used to ensure that the cable tension does not exceed 150 pounds.

Conduits shall be sealed with a two-part urethane after cable installation.

- (c) Tracer Wire. Tracer wire shall be installed inside of the electrical conduit and shall terminate inside of each signal controller cabinet. The tracer wire shall be clearly identified and labeled within each signal controller cabinet.

625-0001.04 METHOD OF MEASUREMENT. The quantity of Traffic Signal Interconnection Cable to be measured for payment will be the number of linear feet placed in the complete and accepted work, measured to the nearest foot along the center of the electrical conduit.

Special Provisions Part II – Special Specifications

625-0001.05 BASIS OF PAYMENT. The accepted quantity of Traffic Signal Interconnection Cable will be paid for at the Contract unit price per linear foot. Payment will be full compensation for furnishing, transporting, handling, testing, and placing the materials specified, including excavation and backfill, and for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
625.6000001 Traffic Signal Interconnection Cable.....	Linear Foot

SECTION 675-0002 – REMOVE AND RESET PRIVATE SIGN ASSEMBLY

675-0002.01 DESCRIPTION. This work shall consist of removing and resetting private sign assemblies and appurtenances, including posts and lighting, at the locations indicated on the Plans and as directed by the Engineer.

The work under this section shall be performed in accordance with these provisions, the Plans, Section 541, Section 625, Section 675, Section 678, and Section 679.

675-0002.02 MATERIALS. Materials shall meet the requirements of the following subsections:

Anchor Bolts for Signals, Lighting, and Overhead Signs.....	714.09
Electrical Conduit	752.06
Junction Boxes	752.09(a)
Grounding Electrodes.....	752.11
Highway Illumination Conductor Cable.....	753.06

Existing materials shall be re-used. If existing materials are not re-usable as determined by the Engineer, they shall be replaced in-kind using new, commercially available materials that match the existing materials as closely as possible.

Concrete for sign foundations, if deemed necessary, shall conform to the requirements of Section 541 for Concrete, Class B.

Any incidentals necessary to provide lighting to the sign shall conform to the requirements of Section 625, Section 678, and Section 679.

Backfill shall be in situ material.

675-0002.03 CONSTRUCTION REQUIREMENTS. Unless otherwise shown on the Plans, prior to performing the work, the Contractor shall coordinate with the property owner and the Engineer to determine an acceptable location in which to reset the sign assembly following construction, as well as a temporary location to place the sign assembly during construction, if needed.

Sign materials to be re-used shall be removed and handled in a manner that will prevent damage. Signs designated for re-use that are damaged by the Contractor’s operations shall be repaired or replaced at no additional cost to the Agency.

Foundations shall be removed in their entirety. Holes resulting from the removal of sign posts and foundations shall be backfilled with suitable material and the area restored to a condition similar to that of the adjacent area.

Existing electric services shall be capped and abandoned unless otherwise shown on the Plans.

Special Provisions Part II – Special Specifications

The Contractor shall construct the foundation for the private sign to be reset matching the size and depth of the foundation of the sign at its existing location. The Contractor shall supply new hardware and accessories as needed for resetting and anchoring of the existing sign.

Existing post conditions are indicated on the Plans. Posts found in satisfactory condition shall be removed and re-installed in a manner consistent with the original placement of the posts or as directed by the Engineer. Posts shall be erected plumb.

The Contractor shall provide necessary electrical connections including new conduit, junction boxes, conductors and any other incidentals required to provide lighting to the sign in working order. Relocated signs and lighting shall be mounted in a manner consistent with the original configuration. Relocated lighting shall be in working order as acceptable to the Engineer.

675-0002.04 METHOD OF MEASUREMENT. The quantity of Remove Private Sign Assembly, Non-Lighted and Remove Private Sign Assembly, Lighted to be measured for payment will be the number or private sign assemblies removed in the complete and accepted work. A sign assembly shall consist of a single set of posts, all signs attached to those posts, all lighting elements attached to or associated with those signs, and any foundation attached to the posts.

The quantity of Remove and Reset Private Sign Assembly, Non-Lighted and Remove and Reset Private Sign Assembly, Lighted to be measured for payment will be the number of private sign assemblies removed and reset in the complete and accepted work.

675-0002.05 BASIS OF PAYMENT. The accepted quantity of Remove Private Sign Assembly, Non-Lighted and Remove Private Sign Assembly, Lighted will be paid for at the Contract unit price per each. Payment will be full compensation for removing the signs and posts; abandoning necessary electrical components; performing any required foundation excavation and backfilling; and for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work.

The accepted quantity of Remove and Reset Private Sign Assembly, Non-Lighted and Remove and Reset Private Sign Assembly, Lighted will be paid for at the Contract unit price per each. Payment will be full compensation for removing the signs and posts; performing any required excavation; transporting, handling, and temporarily storing the sign assembly components; resetting in a temporary location during construction as needed; providing new hardware components, accessories, concrete, and other materials as needed; furnishing and installing any electrical components needed for lighting elements; disposing of any materials deemed unusable; resetting the sign assembly in the location indicated on the Plans or as directed by the Engineer; performing any required foundation design, excavation, construction, and backfilling; and for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work.

Special Provisions Part II – Special Specifications

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
675.5000001 Remove Private Sign Assembly, Non-Lighted	Each
675.5000002 Remove Private Sign Assembly, Lighted	Each
675.6000001 Remove and Reset Private Sign Assembly, Non-Lighted	Each
675.6000002 Remove and Reset Private Sign Assembly, Lighted	Each

VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AUTHORIZATION TO DISCHARGE UNDER
GENERAL PERMIT 3-9050

A determination has been made that the applicant(s):

Vermont Agency of Transportation
2178 Airport Road
Barre, VT 05641

Impervious Area: 4.77 acres

meets the criteria necessary for inclusion under General Permit 3-9050. Hereinafter, the named applicant shall be referred to as the permittee. Subject to the conditions of General Permit No. 3-9050, the permittee is authorized to discharge stormwater as described herein:

Project Name: Colchester HES NH 5600(14)

Project Location: US Route 7 and I-89 Exit 16 in Colchester, Vermont

Receiving Waters: Sunnyside Brook

Replacing Permit #(s): 6946-INDS

Manner of Discharge: S/N 001: Stormwater runoff from road surfaces between Sta. 48+94 and Sta. 55+63 is collected in existing closed drainage and leaves the project area from an existing culvert via POI 001 at Sta. 56+30, RT. Stormwater also sheet flows from the project down the roadway side slope on the east side of US Route 7 and into the Sunnyside Brook.

S/N 002: Stormwater runoff from road surfaces between Sta. 43+69 and Sta. 48+94 is collected in a grass channel designed to treat the Water Quality standard along the west side of US Route 7, north of Rathe Road and leaves the project through a new crossing culvert via POI 002 at Sta. 48+93, RT. Stormwater also sheet flows from the project down the roadway.

S/N 003: Stormwater runoff from road surfaces between Sta. 39+16 and Sta. 43+69 is collected in two grass channels designed to treat the Water Quality standard along the west side of US Route 7, crosses below US Route 7 through an existing culvert and leaves the project from an existing swale on the south side of Champlain Drive via POI 003 at Sta. 43+66, RT. S/N 003 is a point on Sunnyside Brook where an existing pipe that runs beneath Champlain Drive where it makes a 90 degree turn enters the Sunnyside Brook. Stormwater enters this pipe from the end of the roadside swale on the south side of Champlain Drive.

S/N 004: Stormwater runoff from road surfaces between Sta. 19+75 to 39+16 is collected in grass channels and the existing closed drainage system. There are two grass channels designed to treat the Water Quality standard on the west side of US Route 7. Runoff flows from those channels into an existing closed drainage system which outlets to an existing engineered stormwater ditch and off the project at POI 004. Stormwater runoff also flows to a roadside swale that outlets into a new pipe which crosses US Route 7 that outlets into a new dry pond on the east side of US Route 7 (at Sta. 38+90, RT.) that is designed to treat the Channel Protection standard. The dry pond discharges to the same existing engineered stormwater ditch via POI 004. S/N 004 is a point on Sunnyside Brook where an existing pipe that runs beneath a large impervious surfaced used for commercial buildings and parking lots outlets. The inlet of this ditch is located at the end of an eastbound engineered stormwater ditch.

S/N 005: Stormwater runoff from the road surfaces on Hercules Drive is collected in existing roadside swales and leaves the project via POI 005. S/N 005 is at the crossing culvert along Sunnyside Brook at Hercules Drive.

S/N 006: Stormwater runoff from the road surfaces between Sta. 17+77 and Sta. 19+75 on the east side of US Route 7 and from the road surfaces on Lower Mountain View Drive is collected in an existing roadside swale on the north side of Lower Mountain View Drive and leaves the project via POI 006. Stormwater runoff also leaves the project area by sheet flowing down the south side of Lower Mountain View Drive. S/N 006 is at the crossing culvert along Sunnyside Brook at Lower Mountain View Drive.

S/N 007: Stormwater runoff from road surfaces between Sta. 4+08 and Sta. 12+32 is collected in one grass channel (located on the inside of the I-89 off-ramp) designed to treat the Water Quality standard and in a new closed drainage system which leaves the project at a Class III wetland at Sta. 9+29, RT. S/N 007 is at southern end of the crossing culvert along Sunnyside Brook which carries water north under both barrels of Interstate 89 into the Class III wetland.

S/N 008: Stormwater runoff from road surfaces between Sta. 12+32 and Sta. 19+75 is collected in two grass channels designed to treat the Water Quality standard and in a new closed drainage system. The two grass channels are located along the west side of US Route 7 and Mountain View Drive. Stormwater leaves the project from a new dry pond on the south side of the Exit 16 northbound off-ramp via POI 008. Runoff then crosses to the north side of the Exit 16 northbound off-ramp through an existing culvert (at Sta. D 4+25) and into an existing roadside swale that discharges to S/N 008 on the Sunnyside Brook.

Design:

This project shall be constructed and operated in accordance with the site plans and details designed by Vermont Agency of Transportation (VTrans); Sheets 1-13, "Jurisdictional Area Plans," undated; Sheets 153-164, "EPSC – Existing Conditions Plans," dated 9/15/2014; Sheets 14-25, "EPSC Existing Conditions Plan," dated 6/12/2015; Sheet 154, "Dry Pond Plan Sheet 1," dated 4/28/16; Sheet 153, "Dry Pond Plan Sheet 2," dated 4/28/16; Sheet 155, "Dry Pond Plan Sheet 3," dated 4/28/16; Sheet 152, "Stormwater Management Details Sheet," dated 4/28/16; "Drainage Plan 1," undated; "Drainage Plan 2," undated; "Drainage Plan 3," undated; "Drainage Plan 4," undated; "Drainage Plan 5," undated; "Drainage Plan 6," undated; "Drainage Plan 7," undated; "Drainage Plan 8," undated; and all supporting information.

By reference, the above noted plans are made part of this authorization.

Compliance with General Permit 3-9050 and this Authorization

The permittee shall comply with this authorization and all the terms and conditions of General Permit 3-9050, including the payment of annual operating fees to the Department. A billing statement for such fees will be sent to the permittee each year. An invoice for the first year's operating fee will be sent separately. Any permit non-compliance, including a failure to pay the annual operating fee, constitutes a violation of 10 V.S.A. Chapter 47 and may be grounds for an enforcement action or revocation of this authorization to discharge.

Construction of the Stormwater Management System:

The stormwater management system as described in the approved Design above shall be installed prior to the discharge of stormwater from any new or redeveloped impervious surface covered by this authorization. Where stormwater from existing impervious surface is being treated pursuant to "Site Balancing", per the Approved Design, the stormwater system treating such areas shall be installed prior to the discharge of stormwater from new or redeveloped impervious surface.

For any existing impervious surface covered by this authorization, except for existing impervious surfaces used for Site Balancing, as noted above, the stormwater management system as described in the approved Design above shall be installed no later than 05/19/2026.

Annual Inspection and Report

The stormwater management system shall be properly operated. The permittee shall submit an annual inspection report on the operation, maintenance and condition of the stormwater management system. The inspection report shall be submitted regardless of whether the project has been constructed. The inspection shall be conducted between the conclusion of spring snow melt and June 15th of each year and the inspection report shall be submitted to the Secretary by July 15th of each year, or by July 30th if performed by a utility or municipality pursuant to a duly adopted stormwater management ordinance. The inspection report shall note all problem areas and all measures taken to correct any problems and to prevent future problems. The online submittal system, ANR Online, can be accessed at <https://anronline.vermont.gov>.

Initial Statement of Compliance

An initial statement of compliance, signed by a designer, must be submitted to the Stormwater Management Program no later than 30 days following completion of construction of the stormwater management system. Forms for completing this requirement are available on the Stormwater Management Program's website. The online submittal system, ANR Online, can be accessed at <https://anronline.vermont.gov>.

Transferability

This authorization to discharge is not transferable to any person except in compliance with Part 8.4 of General Permit 3-9050. A copy of General Permit 3-9050 is available from the Department via the internet at

https://dec.vermont.gov/sites/dec/files/wsm/stormwater/docs/2020_09_01%20Final%20GP%203-9050.pdf

Changes to Permitted Development

In accordance with Part 8.6. of General Permit 3-9050, the permittee shall notify the Department of any planned development or facility expansions or changes that may result in new or increased stormwater discharges. The Department shall determine the appropriateness of continued inclusion under General Permit 3-9050 by the modified development or facility.

Recording in Land Records

The permittee shall record in the local land records, within 30 days of issuance of this authorization, a one-page notice of permit coverage. A one-page notice form may be obtained from the Secretary. A copy of the recording shall be provided to the Secretary within 14 days of the permittee's receipt of a copy of the recording from the local land records. Permits for public linear transportation projects shall be exempt from this requirement provided the permit is retained by the permittee in the official project file.

Right to Appeal

(A) Pursuant to 10 V.S.A. Chapter 220, any appeal of this permit, except for appeal of a renewable energy plant as described in (B), must be filed with the clerk of the Environmental Division of the Superior Court within 30 days of the date of the decision. The notice of appeal must specify the parties taking the appeal and the statutory provision under which each party claims party status; must designate the act or decision appealed from; must name the Environmental Division; and must be signed by the appellant or the appellant's attorney. In addition, the appeal must give the address or location and description of the property, project, or facility with which the appeal is concerned and the name of the applicant or any permit involved in the appeal. The appellant must also serve a copy of the notice of appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings. For further information, see the Vermont Rules for Environmental Court Proceedings.

(B) If this permit relates to a renewable energy plant for which a certificate of public good is required under 30 V.S.A. § 248, any appeal of this decision must be filed with the Vermont Public Utility Commission pursuant to 10 V.S.A. § 8506. This section does not apply to a facility that is subject to 10 V.S.A. § 1004 (dams before the Federal Energy Regulatory Commission), 10 V.S.A. § 1006 (certification of hydroelectric projects), or 10 V.S.A. Chapter 43 (dams). Any appeal under this section must be filed with the clerk of the Public Utility Commission within 30 days of the date of this decision; the appellant must file with the clerk an original and six copies of its appeal. The appellant shall provide notice of the filing of an appeal in accordance with 10 V.S.A. § 8504(c)(2) and shall also serve a copy of the notice of appeal on the Vermont Public Service Department. For further information, see the Rules and General Orders of the Public Utility Commission.

Effective Date and Expiration Date of this Authorization

This authorization to discharge shall become effective on May 20, 2021 and shall expire on May 19, 2026. The permittee shall reapply for coverage prior to the expiration of this authorization.

Dated May 20, 2021.

Peter Walke, Commissioner
Department of Environmental Conservation



By:

Padraic Monks, Stormwater Program Manager



VERMONT DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
WATERSHED
MANAGEMENT DIVISION
STORMWATER PROGRAM

Town Recording of Permit Issued

FOR STORMWATER DISCHARGE PERMIT BY THE VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Notice is hereby given that the Vermont Department of Environmental Conservation gives authorization to discharge pursuant to a general stormwater discharge permit that has been issued to Permittee(s) named herein for the discharge of stormwater runoff for the property identified below from impervious surfaces (e.g. roadways, rooftops, parking lots, walkways) pursuant to 10 V.S.A. 1264. The authorization requires treatment and control of stormwater runoff, long-term maintenance of the treatment and control structures and payment of yearly operational fees.

Permittee(s): **Vermont Agency of Transportation**

Permit/Authorization Number: **6946-9050**

911 Address of Property: **US Route 7 and I-89 Exit 16, Colchester**

Name of association (if applicable): _____
(condominium, subdivision or planned community)

Printed Name of Permittee or Authorized Representative: _____

Signature of Permittee or Authorized Representative: _____ Date: _____

FOR TOWN CLERK USE ONLY:

Recorded under Book: _____ Page: _____

Date Recorded with Town: _____ Signature / Stamp: _____

Recording information for Municipal Clerks - please index this document listing the State of Vermont, Department of Environmental Conservation as "Grantee," and listing the above-named Permittee(s) as "Grantor(s)." Additionally, if this notice lists the name of a condominium, subdivision or planned community association, please list the named association as an additional "Grantor."

Can be Completed by Clerk or Permittee:

Please upload this completed form to ANR Online by visiting the following link
<https://anronline.vermont.gov>

7/3/2024

Dear Permittee(s),

The Notice of Intent for the discharge of stormwater runoff from Moderate Risk Construction Activity under Construction General Permit (CGP) 3-9020 (March 19, 2020) has been authorized. You will need the following documents to maintain compliance with this authorization. Enclosed with this cover letter is your **Authorization to Discharge under General Permit 3-9020** and a copy of the **Notice of Authorization** that you must post at your construction site. In addition, any additional Owners and Operators that were not identified on the Notice of Intent at the time of application must file a **Notice of Addition of Co-Permittee**. See below for more details on these and other permit requirements.

1. Authorization to Discharge under General Permit 3-9020

The authorization for Moderate Risk Construction Activity is valid for five years from the date of the authorization. If the project will proceed past the expiration date, you must reapply for coverage under this or another construction stormwater permit before that time. If the project is completed or is sold before that time, you may terminate the authorization by submitting a Notice of Termination, subject to Subpart 7.4 of CGP 3-9020. Any proposed project changes must be first evaluated in accordance with the terms, conditions, and eligibility provisions set forth in Part 5 of CGP 3-9020.

2. Notice of Authorization for Posting

The Notice of Authorization, which details the authorization and conditions you selected in completing Appendix A to the CGP, must be posted in a location visible to the public in accordance with Subpart 3.6 of the CGP.

3. Notice of Addition of Co-Permittee

This form must be submitted for every additional Owner and/or Operator who joins the project, in accordance with Subpart 7.3 of the CGP. Use ANR Online to file all Notice of Additions. ANR Online can be accessed using the following link: <https://anronline.vermont.gov>. Instructions on creating an account are available on the main page.

4. Turbidity Monitoring Guidance

Construction General Permit 3-9020 requires the designation of an On-Site Plan Coordinator to oversee and monitor Erosion Prevention and Sediment Control (EPSC) Plan implementation and to also inspect and monitor discharges from Moderate Risk construction sites for turbidity. Parts 4 and 6 of CGP 3-9020 detail these requirements.

5. On-Site Plan Coordinator Manual

This [manual](#) provides a summary of the inspection and record-keeping requirements for your project, a copy of the permit, as well as all forms that might be needed throughout the project. This manual can be provided to the On-Site Plan Coordinator to ensure compliance with the authorization under the Construction General Permit 3-9020 and related inspection, monitoring, and record-keeping requirements. Records must be available for review by DEC representatives during site inspections.

The CGP, copies of pertinent forms, and an electronic version of the Low Risk Site Handbook for Erosion Prevention and Sediment Control are available on the [Stormwater Program](#) website. If you have any questions related to your authorization, please contact the Environmental Analyst in the [Stormwater District](#) where your project is located.

Sincerely,
Stormwater Management Program

THIS PAGE WAS INTENTIONALLY LEFT BLANK

VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AUTHORIZATION TO DISCHARGE UNDER
GENERAL PERMIT 3-9020

A determination has been made that the applicant(s) (here in after "permittee"):

Vermont Agency of Transportation
219 North Main Street
Barre, VT 05641

meets the criteria necessary for inclusion under General Permit 3-9020 for moderate risk construction activities. Subject to the conditions and eligibility provisions of General Permit 3-9020, the permittee is authorized to discharge stormwater to Sunnyside Brook from the following construction activities: Construction of a double crossover diamond interchange at Interstate 89, exit 16. It also includes the resurfacing of US Route 7, the widening of the road around intersections for additional turning lanes, and new traffic signal equipment. The widening of the road around intersections for additional turning lanes, new traffic signal equipment, signage, landscaping, street lighting and other roadway-related work. The project is located at US Routes 2/7, Interstate 89 Exit 16 in Colchester, Vermont. The project is located at US Route 2/7 in Colchester, Vermont.

1. **Effective Date and Expiration Date of this Authorization:** This authorization to discharge shall become effective on July 03, 2024 and shall continue until July 02, 2029. The permittee shall reapply for coverage at least 60 days prior to expiration if the project has not achieved final stabilization or if construction activities are expected after the date of expiration.
2. **Compliance with General Permit 3-9020 and this Authorization:** The permittee shall comply with this authorization and all the terms, conditions, and eligibility provisions of General Permit 3-9020. The completed Notice of Intent (NOI) and Appendix A completed for this project are incorporated by reference into this authorization and are included in the terms of this authorization. These terms include:
 - **Implementation of the authorized site-specific Erosion Prevention and Sediment Control (EPSC) Plan as prepared by: VTrans:**

Sheet 196 of 430, EPSC Narrative 1, 07/13/2020;
 Sheet 197 of 430, EPSC Narrative 2, 07/13/2020;
 Sheet 198 of 430, EPSC Existing Conditions Plan Sheet 1, 07/13/2020;
 Sheet 199 of 430, EPSC Existing Conditions Plan Sheet 2, 07/13/2020;
 Sheet 200 of 430, EPSC Existing Conditions Plan Sheet 3, 07/13/2020;
 Sheet 201 of 430, EPSC Existing Conditions Plan Sheet 4, 07/13/2020;
 Sheet 202 of 430, EPSC Existing Conditions Plan Sheet 5, 07/13/2020;
 Sheet 203 of 430, EPSC Existing Conditions Plan Sheet 6, 07/13/2020;
 Sheet 204 of 430, EPSC Existing Conditions Plan Sheet 7, 07/13/2020;
 Sheet 205 of 430, EPSC Existing Conditions Plan Sheet 8, 07/13/2020;
 Sheet 206 of 430, EPSC Existing Conditions Plan Sheet 9, 07/13/2020;
 Sheet 207 of 430, EPSC Existing Conditions Plan Sheet 10, 07/13/2020;
 Sheet 208 of 430, EPSC Existing Conditions Plan Sheet 11, 07/13/2020;
 Sheet 209 of 430, EPSC Existing Conditions Plan Sheet 12, 07/13/2020;
 Sheet 210 of 430, EPSC Construction Plan Sheet 1, 07/13/2020;
 Sheet 211 of 430, EPSC Construction Plan Sheet 2, 07/13/2020;
 Sheet 212 of 430, EPSC Construction Plan Sheet 3, 07/13/2020;
 Sheet 213 of 430, EPSC Construction Plan Sheet 4, 07/13/2020;
 Sheet 214 of 430, EPSC Construction Plan Sheet 5, 07/13/2020;
 Sheet 215 of 430, EPSC Construction Plan Sheet 6, 07/13/2020;
 Sheet 216 of 430, EPSC Construction Plan Sheet 7, 07/13/2020;
 Sheet 217 of 430, EPSC Construction Plan Sheet 8, 07/13/2020;
 Sheet 218 of 430, EPSC Construction Plan Sheet 9, 07/13/2020;
 Sheet 219 of 430, EPSC Construction Plan Sheet 10, 07/13/2020;
 Sheet 220 of 430, EPSC Construction Plan Sheet 11, 07/13/2020;

Sheet 221 of 430, EPSC Construction Plan Sheet 12, 07/13/2020;
 Sheet 222 of 430, EPSC Final Conditions Plan Sheet 1, 07/13/2020;
 Sheet 223 of 430, EPSC Final Conditions Plan Sheet 2, 07/13/2020;
 Sheet 224 of 430, EPSC Final Conditions Plan Sheet 3, 07/13/2020;
 Sheet 225 of 430, EPSC Final Conditions Plan Sheet 4, 07/13/2020;
 Sheet 226 of 430, EPSC Final Conditions Plan Sheet 5, 07/13/2020;
 Sheet 227 of 430, EPSC Final Conditions Plan Sheet 6, 07/13/2020;
 Sheet 228 of 430, EPSC Final Conditions Plan Sheet 7, 07/13/2020;
 Sheet 229 of 430, EPSC Final Conditions Plan Sheet 8, 07/13/2020;
 Sheet 230 of 430, EPSC Final Conditions Plan Sheet 9, 07/13/2020;
 Sheet 231 of 430, EPSC Final Conditions Plan Sheet 10, 07/13/2020;
 Sheet 232 of 430, EPSC Final Conditions Plan Sheet 11, 07/13/2020;
 Sheet 233 of 430, EPSC Final Conditions Plan Sheet 12, 07/13/2020;
 Sheet 234 of 430, EPSC Details Sheet 1, 07/13/2020;
 Sheet 235 of 430, EPSC Details Sheet 2, 07/13/2020;
 Sheet 236 of 430, EPSC Details Sheet 3, 07/13/2020; and all supporting information.

- All areas of disturbance must have temporary or final stabilization within 14 days of the initial disturbance. After this time, disturbed areas must be temporarily or permanently stabilized in advance of any runoff producing event. A runoff producing event is an event that produces runoff from the construction site. The following exception to the above stabilization requirements apply:
 - Temporary stabilization is not required if work is occurring in a self-contained excavation (i.e. no outlet) with a depth of 2 feet or greater (e.g. house foundation excavation, utility trenches). Areas of a construction site that drain to sediment basins are not considered eligible for this exemption and the exemption applies only to the excavated area itself.
 - The total authorized disturbance is 16.66 acre(s).
 - No more than 2 acres of land may be disturbed at any one time.
 - Inspections shall be conducted at least once every (7) calendar days and within twenty-four (24) hours of the end of a storm event resulting in discharge of stormwater from construction site.
 - If visibly discolored stormwater runs off the construction site or discharges to waters of the State, the permittee shall take immediate corrective action to inspect and maintain existing best management practices (BMPs), and to install supplemental BMPs necessary to minimize and prevent the discharge.
 - If, after completing corrective action, there continues to be a discharge of discolored stormwater from the construction site to waters of the State, the permittee shall notify DEC by submitting a Discharge Report within 24 hours of discovering the discharge.
 - The On-site Plan Coordinator shall have a copy of the approved EPSC Plan and all amendments available at a central location on-site for the use of all those identified as having responsibilities under this authorization whenever they are on the construction site. If an on-site location is unavailable to store the EPSC Plan when no personnel are present, notice of the EPSC plan's location shall be posted near the main entrance at the construction site.
3. Transferability and Addition of Co-Permittee: This authorization to discharge is not transferable to any person, nor may any person be added as a permittee, except in compliance with General Permit 3-9020 including submission of a complete Notice of Transfer or Notice of Addition of Co-Permittee.
 4. Following receipt of authorization under General Permit 3-9020, additional Owner(s) and Operator(s) not identified on the Notice of Intent at the time of application shall be added as a co-permittee by filing a Notice of Addition of Co-Permittee with the Secretary. The co-permittee shall be subject to all terms and conditions of the permittee's authorization and Construction General Permit 3-9020.
 5. Right to Appeal:


(A) Pursuant to 10 V.S.A. Chapter 220, any appeal of this permit, except for appeal of a renewable energy plant as described in (B), must be filed with the clerk of the Environmental Division of the Superior Court within 30 days of the date of the decision. The notice of appeal must specify the parties taking the appeal and the statutory provision

under which each party claims party status; must designate the act or decision appealed from; must name the Environmental Division; and must be signed by the appellant or the appellant's attorney. In addition, the appeal must give the address or location and description of the property, project, or facility with which the appeal is concerned and the name of the applicant or any permit involved in the appeal. The appellant must also serve a copy of the notice of appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings. For further information, see the Vermont Rules for Environmental Court Proceedings.

(B) If this permit relates to a renewable energy plant for which a certificate of public good is required under 30 V.S.A. § 248, any appeal of this decision must be filed with the Vermont Public Utility Commission pursuant to 10 V.S.A. § 8506. This section does not apply to a facility that is subject to 10 V.S.A. § 1004 (dams before the Federal Energy Regulatory Commission), 10 V.S.A. § 1006 (certification of hydroelectric projects), or 10 V.S.A. Chapter 43 (dams). Any appeal under this section must be filed with the clerk of the Public Utility Commission within 30 days of the date of this decision; the appellant must file with the clerk an original and six copies of its appeal. The appellant shall provide notice of the filing of an appeal in accordance with 10 V.S.A. § 8504(c)(2) and shall also serve a copy of the notice of appeal on the Vermont Public Service Department. For further information, see the Rules and General Orders of the Public Utility Commission.

Dated July 03, 2024

Julia S. Moore, Secretary
Agency of Natural Resources

By: 
Kevin Burke, Program Manager
Stormwater Management Program

Notice of Authorization
Under Vermont Construction General Permit 3-9020
For Moderate Risk Projects

**Permittee Directions for Posting:**

This notice shall be placed near the construction entrance at a location visible to the public. If displaying near the main entrance is infeasible, the notice shall be posted in a local public building such as the town hall or public library. For linear projects, the notice shall be posted at a publicly accessible location near the active part of the construction project (e.g., where a pipeline project crosses a public road).

Project Name:	Colchester HES NH 5600 (14)
Permittee Name(s):	Vermont Agency of Transportation
NOI Number:	6946-9020.2
Date of Authorization:	July 03, 2024
Date of Expiration:	July 02, 2029

The project listed above has received authorization under General Permit 3-9020 to discharge stormwater from the following construction activities:

Construction of a double crossover diamond interchange at interstate 89, exit 16. It also includes the resurfacing of US Route 7, the widening of the road around intersections for additional turning lanes, and new traffic signal equipment. The widening of the road around intersections for additional turning lanes, new traffic signal equipment, signage, landscaping, street lighting and other roadway-related work. The project is located at US Routes 2/7, Interstate 89 Exit 16 in Colchester, Vermont.

This authorization includes the following requirements:

- Implementation of the authorized site-specific Erosion Prevention and Sediment Control (EPSC) Plan as prepared by: VTrans:

Sheet 196 of 430, EPSC Narrative 1, 07/13/2020;
 Sheet 197 of 430, EPSC Narrative 2, 07/13/2020;
 Sheet 198 of 430, EPSC Existing Conditions Plan Sheet 1, 07/13/2020;
 Sheet 199 of 430, EPSC Existing Conditions Plan Sheet 2, 07/13/2020;
 Sheet 200 of 430, EPSC Existing Conditions Plan Sheet 3, 07/13/2020;
 Sheet 201 of 430, EPSC Existing Conditions Plan Sheet 4, 07/13/2020;
 Sheet 202 of 430, EPSC Existing Conditions Plan Sheet 5, 07/13/2020;
 Sheet 203 of 430, EPSC Existing Conditions Plan Sheet 6, 07/13/2020;
 Sheet 204 of 430, EPSC Existing Conditions Plan Sheet 7, 07/13/2020;
 Sheet 205 of 430, EPSC Existing Conditions Plan Sheet 8, 07/13/2020;
 Sheet 206 of 430, EPSC Existing Conditions Plan Sheet 9, 07/13/2020;
 Sheet 207 of 430, EPSC Existing Conditions Plan Sheet 10, 07/13/2020;
 Sheet 208 of 430, EPSC Existing Conditions Plan Sheet 11, 07/13/2020;
 Sheet 209 of 430, EPSC Existing Conditions Plan Sheet 12, 07/13/2020;
 Sheet 210 of 430, EPSC Construction Plan Sheet 1, 07/13/2020;
 Sheet 211 of 430, EPSC Construction Plan Sheet 2, 07/13/2020;
 Sheet 212 of 430, EPSC Construction Plan Sheet 3, 07/13/2020;
 Sheet 213 of 430, EPSC Construction Plan Sheet 4, 07/13/2020;
 Sheet 214 of 430, EPSC Construction Plan Sheet 5, 07/13/2020;
 Sheet 215 of 430, EPSC Construction Plan Sheet 6, 07/13/2020;
 Sheet 216 of 430, EPSC Construction Plan Sheet 7, 07/13/2020;
 Sheet 217 of 430, EPSC Construction Plan Sheet 8, 07/13/2020;
 Sheet 218 of 430, EPSC Construction Plan Sheet 9, 07/13/2020;
 Sheet 219 of 430, EPSC Construction Plan Sheet 10, 07/13/2020;
 Sheet 220 of 430, EPSC Construction Plan Sheet 11, 07/13/2020;
 Sheet 221 of 430, EPSC Construction Plan Sheet 12, 07/13/2020;
 Sheet 222 of 430, EPSC Final Conditions Plan Sheet 1, 07/13/2020;
 Sheet 223 of 430, EPSC Final Conditions Plan Sheet 2, 07/13/2020;
 Sheet 224 of 430, EPSC Final Conditions Plan Sheet 3, 07/13/2020;
 Sheet 225 of 430, EPSC Final Conditions Plan Sheet 4, 07/13/2020;
 Sheet 226 of 430, EPSC Final Conditions Plan Sheet 5, 07/13/2020;
 Sheet 227 of 430, EPSC Final Conditions Plan Sheet 6, 07/13/2020;
 Sheet 228 of 430, EPSC Final Conditions Plan Sheet 7, 07/13/2020;
 Sheet 229 of 430, EPSC Final Conditions Plan Sheet 8, 07/13/2020;
 Sheet 230 of 430, EPSC Final Conditions Plan Sheet 9, 07/13/2020;

Sheet 231 of 430, EPSC Final Conditions Plan Sheet 10, 07/13/2020;
 Sheet 232 of 430, EPSC Final Conditions Plan Sheet 11, 07/13/2020;
 Sheet 233 of 430, EPSC Final Conditions Plan Sheet 12, 07/13/2020;
 Sheet 234 of 430, EPSC Details Sheet 1, 07/13/2020;
 Sheet 235 of 430, EPSC Details Sheet 2, 07/13/2020;
 Sheet 236 of 430, EPSC Details Sheet 3, 07/13/2020; and all supporting information.

- All areas of disturbance must have temporary or final stabilization within 14 days of the initial disturbance. After this time, disturbed areas must be temporarily or permanently stabilized in advance of any runoff producing event. A runoff producing event is an event that produces runoff from the construction site. The following exception to the above stabilization requirements apply:
 - Temporary stabilization is not required if the work is occurring in a self-contained excavation (i.e. no outlet) with a depth of two feet or greater (e.g. house foundation excavation, utility trenches). Areas of a construction site that drain to sediment basins are not considered eligible for this exemption and the exemption applies only to the excavated area itself.
- The total authorized disturbance is 16.66 acre(s).
- No more than 2 acres of land may be disturbed at any one time.
- Inspections shall be conducted at least once every (7) calendar days and daily during the winter construction period (October 15 through April 15), for all areas that have been disturbed and are not yet finally stabilized. In addition:
 - If visibly discolored stormwater runs off the construction site or discharges to waters of the State, the permittee shall take immediate corrective action to inspect and maintain existing best management practices (BMPs), and to install supplemental BMPs necessary to minimize and prevent the discharge.
- If, after completing corrective action, there continues to be a discharge of sediment from the construction site to waters of the State, the permittee shall notify DEC by submitting a Discharge Report within 24 hours of discovering the discharge.
 - The On-site Plan Coordinator shall have a copy of the approved EPSC Plan and all amendments available at a central location on-site for the use of all those identified as having responsibilities under this authorization whenever they are on the construction site. If an on-site location is unavailable to store the EPSC Plan when no personnel are present, notice of the EPSC plan's location shall be posted near the main entrance at the construction site.
- The permittee shall comply with all inspection, maintenance, corrective action, record keeping, and reporting requirements, and all other terms, conditions, and eligibility provisions, including those conditions related to project changes, as set forth in General Permit 3-9020 and this authorization.

To request information on this authorization, or to report compliance concerns, please contact:

Vermont Department of Environmental Conservation
Watershed Management Division
 1 National Life Drive, Davis 3
 Montpelier, VT 05620

<https://dec.vermont.gov/watershed>



State of Vermont

LAND USE PERMIT AMENDMENT

Case No: #4C01271, #4C0676R-16,
#4C0288-21, #4C0757-24,
#4C0471-7
Vermont Agency of Transportation
Jesse Devlin & William Rice
1 National Life Drive
Montpelier, VT 05633

LAWS/REGULATIONS INVOLVED
10 V.S.A. §§ 6001 - 6093 (Act 250)

District Environmental Commission #4 hereby issues Land Use Permit #4C1271 and Permit Amendments #4C0676R-16, #4C0288-21, #4C0757-24, #4C0471-7, pursuant to the authority vested in it by 10 V.S.A. §§ 6001-6093. These permit amendments apply to the lands along Route 2/7 in the Town of Colchester, Vermont.

This permit specifically authorizes the construction of a Diverging Diamond Interchange(I-89) at the I-89 Exit 16 corridor to consists of widening the roadway in some areas and improving two substandard horizontal curves and the banking within each. The I-89 Exit 16 interchange reconfiguration consists of converting the existing traditional diamond interchange into a Diverging Diamond Interchange. Traffic along the arterial highway, U.S. Routes 2/7, crosses to the left side of the highway between the ramp intersections to improve traffic flow by minimizing conflicting crossing traffic movements at the signalized intersections. All approaches to the interchange will be channelized with curbed islands and the lanes widened to accommodate heavy vehicles. Short, channelizing one-way flowing ramps, called Slip Ramps will be added to facilitate the free movement uncontrolled by traffic signals. Two of these Slip Ramps will be signalized to assist in the protection of crossing pedestrians and to create gaps in arterial traffic for downstream drives and intersections

New turning lanes will be added at the following intersections along U.S. Routes 2/7:

- a. A dedicated right turn lane for U.S. Routes 2/7 northbound ("NB") at Lower Mountain View Drive.
- b. An additional left turn lane on Lower Mountain View Drive.
- c. An additional right turn lane on Mountain View Drive.
- d. A dedicated left turn lane for U.S. Routes 2/7 southbound ("SB") at Hercules Drive.
- e. An additional through lane for U.S. Routes 2/7 northbound at Rathe Road.

As determined in a jurisdictional opinion #JO 4-235(corrected) issued on May 7, 2014, jurisdiction attaches because the Project constitutes a development pursuant to 10 V.S.A. § 10 V.S.A. 6001(3)(v) – construction of improvements on a tract of land involving more than 10 acres for a state purpose. In addition, the Project is a material change to permitted developments, and thus requires a permit amendment pursuant to Act 250 Rule 34.

1. The Permittee, and its assigns and successors in interest, is obligated by this permit to complete, operate and maintain the project as approved by the District Commission in accordance with the following conditions.
2. The Project shall be completed, operated and maintained in accordance with: (a) the conditions of this permit, (b) Findings of Fact and Conclusions of Law #4C01271, 4C0676R-16, 4C0288-21, 4C0757-24, 4C0471-7 and (c) the permit application, plans, and exhibits on file with the District Environmental Commission and other material representations.

The approved plans are:

Sheet 1 - "Jurisdictional Area Plan 1", undated (Exhibit #004b);
Sheet 2 - "Jurisdictional Area Plan 2", undated (Exhibit #005b);
Sheet 3 - "Jurisdictional Area Plan 3," undated (Exhibit #006b);
Sheet 4 - "Jurisdictional Area Plan 4," undated (Exhibit #007b);
Sheet 5 - "Jurisdictional Area Plan 5," undated (Exhibit #008b);
Sheet 6 - "Jurisdictional Area Plan 6," undated (Exhibit #009b);
Sheet 7 - "Jurisdictional Area Plan 7," undated (Exhibit #010b);
Sheet 8 - "Jurisdictional Area Plan 8," undated (Exhibit #011b);
Sheet 9 - "Jurisdictional Area Plan 9," undated (Exhibit #012b);
Sheet 10 - "Jurisdictional Area Plan 10," undated (Exhibit #013b);
Sheet 11 - "Jurisdictional Area Plan 11," undated (Exhibit #014b);
Sheet 12 - "Jurisdictional Area Plan 12," undated (Exhibit #015c);
"4C0288-14-5 Permit," undated (Exhibit #015d);
Sheet 3 - "Typical Sheet 1," dated 10/15/13 (Exhibit #021);
Sheet 4 - "Typical Sheet 2," dated 10/15/13 (Exhibit #022);
Sheet 5 - "Typical Sheet 3," dated 10/15/13 (Exhibit #023);
Sheet 6 - "General Plan 1," dated 4/15/16 (Exhibit #024);
Sheet 7 - "General Plan 2," dated 4/15/16 (Exhibit #025b);
Sheet 1 - "General Plan 3," dated 4/18/16 (Exhibit #026b);
Sheet 1 - "General Plan 4," dated 4/18/16 (Exhibit #027b);
Sheet 10 - "General Plan 5," dated 8/11/14 (Exhibit #028a);
Sheet 11 - "General Plan 6," dated 10/15/13 (Exhibit #029);
Sheet 12 - "General Plan 7," dated 10/15/13 (Exhibit #030);
Sheet 1 - "General Plan 8," dated 4/18/16 (Exhibit #031b);
Sheet 14 - "General Plan 9," dated 4/15/16 (Exhibit #032b);

Sheet 15 - "General Plan 10," dated 4/15/16 (Exhibit #033a);
Sheet 16 - "General Plan 11," dated 10/15/13 (Exhibit #034);
Sheet 17 - "General Plan 12," dated 10/15/13 (Exhibit #035);
Sheet 18 - "Street Lights & Landscaping Plan 2," dated 10/15/13 (Exhibit #036);
Sheet 19 - "Landscaping Details Sheet," dated 10/15/13 (Exhibit #037);
Sheet 20 - "Landscaping General Notes," dated 10/15/13 (Exhibit #038);
Sheet 159 - "EPSC Narrative Sheet. 1," dated 10/15/13 (Exhibit #053b);
Sheet 2 - "EPSC Construction Plan 1," dated 10/15/13 (Exhibit #054);
Sheet 160 - "EPSC Existing Conditions Plan 1," dated 2/26/16 (Exhibit #054a);
Sheet 3 - "EPSC Construction Plan 2," dated 8/1/13 (Exhibit #0545);
Sheet 161 - "EPSC Existing Conditions Plan 2," dated 2/26/16 (Exhibit #055a);
Sheet 4 - "EPSC Construction Plan 3," dated 8/1/13 (Exhibit #056);
Sheet 162 - "EPSC Existing Conditions Plan 3," dated 2/26/16 (Exhibit #056a);
Sheet 5 - "EPSC Construction Plan 4," dated 8/1/13 (Exhibit #057);
Sheet 163 - "EPSC Existing Conditions Plan 4," dated 2/26/16 (Exhibit #057a);
Sheet 6 - "EPSC Construction Plan 4," dated 8/1/13 (Exhibit #058);
Sheet 164 - "EPSC Existing Conditions Plan 4," dated 2/26/16 (Exhibit #058a);
Sheet 7 - "EPSC Construction Plan 5," dated 8/1/13 (Exhibit #059);
Sheet 165 - "EPSC Existing Conditions Plan 5," dated 2/26/16 (Exhibit #059a);
Sheet 8 - "EPSC Construction Plan 6," dated 8/1/13 (Exhibit #060);
Sheet 166 - "EPSC Existing Conditions Plan 6," dated 2/26/16 (Exhibit #060a);
Sheet 9 - "EPSC Construction Plan 7," dated 8/1/13 (Exhibit #061);
Sheet 167 - "EPSC Existing Conditions Plan 7," dated 2/26/16 (Exhibit #061a);
Sheet 10 - "EPSC Construction Plan 8," dated 8/1/13 (Exhibit #062);
Sheet 168 - "EPSC Existing Conditions Plan 8," dated 2/26/16 (Exhibit #062a);
Sheet 11 - "EPSC Construction Plan 9," dated 8/1/13 (Exhibit #063);
Sheet 169 - "EPSC Existing Conditions Plan 9," dated 2/26/16 (Exhibit #063a);
Sheet 12 - "EPSC Construction Plan 10," dated 8/1/13 (Exhibit #064);
Sheet 170 - "EPSC Existing Conditions Plan 10," dated 2/26/16 (Exhibit #064a);
Sheet 13 - "EPSC Construction Plan 11," dated 8/1/13 (Exhibit #065);
Sheet 171 - "EPSC Existing Conditions Plan 11," dated 2/26/16 (Exhibit #065a);
Sheet 14 - "Final Conditions Plan 1," dated 3/6/14 (Exhibit #066a);

Sheet 172 - "Construction Plan 1," dated 3/2/16 (Exhibit #066b);
Sheet 15 - "EPSC - Final Conditions Plan 2," dated 8/1/13 (Exhibit #067);
Sheet 173 - "EPSC - Construction Plan 2," dated 3/2/16 (Exhibit #067a);
Sheet 16 - "EPSC - Final Conditions Plan 3," dated 8/1/13 (Exhibit #068);
Sheet 174 - "EPSC - Construction Plan 3," dated 3/2/16 (Exhibit #068a);
Sheet 17 - "EPSC - Final Conditions Plan 4," dated 8/1/13 (Exhibit #069);
Sheet 175 - "EPSC - Construction Plan 4," dated 3/2/16 (Exhibit #069a);
Sheet 18 - "EPSC - Final Conditions Plan 5," dated 8/1/13 (Exhibit #070);
Sheet 176 - "EPSC - Construction Plan 5," dated 3/2/16 (Exhibit #070a);
Sheet 19 - "EPSC - Final Conditions Plan 6," dated 8/1/13 (Exhibit #071);
Sheet 177 - "EPSC - Construction Plan 6," dated 3/2/16 (Exhibit #071a);
Sheet 20 - "EPSC - Final Conditions Plan 7," dated 8/1/13 (Exhibit #072);
Sheet 178 - "EPSC - Construction Plan 7," dated 3/2/16 (Exhibit #072a);
Sheet 21 - "EPSC - Final Conditions Plan 8," dated 8/1/13 (Exhibit #073);
Sheet 179 - "EPSC - Construction Plan 8," dated 3/2/16 (Exhibit #073a);
Sheet 22 - "EPSC - Final Conditions Plan 9," dated 8/1/13 (Exhibit #074);
Sheet 180 - "EPSC - Construction Plan 9," dated 3/2/16 (Exhibit #074a);
Sheet 23 - "EPSC - Proposed Conditions Plan 10," dated 8/1/13 (Exhibit #075);
Sheet 181 - "EPSC - Construction Plan 10," dated 3/2/16 (Exhibit #075a);
Sheet 24 - "EPSC - Final Conditions Plan 11," dated 8/1/13 (Exhibit #076);
Sheet 182 - "EPSC - Construction Plan 11," dated 3/2/16 (Exhibit #076a);
Sheet 25 - "EPSC - Final Conditions Plan 12," dated 8/1/13 (Exhibit #077);
Sheet 183 - "EPSC - Construction Plan 12," dated 3/2/16 (Exhibit #077a);
Sheet 26 - "EPSC – Detail Sheet 1," dated 8/1/13 (Exhibit #078);
Sheet 184 - "EPSC – Final Conditions Plan 1," dated 2/26/16 (Exhibit #078a);
Sheet 185 - "EPSC – Final Conditions Plan 2," dated 2/26/16 (Exhibit #078b);
Sheet 186 - "EPSC – Final Conditions Plan 3," dated 2/26/16 (Exhibit #078c);
Sheet 187 - "EPSC – Final Conditions Plan 4," dated 2/26/16 (Exhibit #078d);
Sheet 188 - "EPSC – Final Conditions Plan 5," dated 2/26/16 (Exhibit #078e);
Sheet 189 - "EPSC – Final Conditions Plan 6," dated 2/26/16 (Exhibit #078f);
Sheet 190 - "EPSC – Final Conditions Plan 7," dated 2/26/16 (Exhibit #078g);
Sheet 191 - "EPSC – Final Conditions Plan 8," dated 2/26/16 (Exhibit #078h);

- Sheet 192 - "EPSC – Final Conditions Plan 9," dated 2/26/16 (Exhibit #078i);
Sheet 193 - "EPSC – Final Conditions Plan 10," dated 2/26/16 (Exhibit #078j);
Sheet 194 - "EPSC – Final Conditions Plan 11," dated 2/26/16 (Exhibit #078k);
Sheet 195 - "EPSC – Final Conditions Plan 12," dated 2/26/16 (Exhibit #078l);
Sheet 196 - "EPSC – Detail Sheet 1," dated 2/26/16 (Exhibit #078m);
Sheet 197 - "EPSC – Detail Sheet 2," dated 2/26/16 (Exhibit #078n); and
Sheet 198 - "EPSC – Detail Sheet 3," dated 2/26/16 (Exhibit #078o).
3. All conditions of Land Use Permits #4C0676R, #4C0288, #4C0757, and #4C0471 and their amendments are in full force and effect except as further amended herein.
 4. The Permittee shall comply with all of the conditions of the following Agency of Natural Resources Permits:
 - a. Authorization of Notice of Intent #6946-9020 under Construction General Permit #3-9020 issued March 25, 2013 (reissued May 16, 2016) by the ANR Watershed Management Division;
 - b. Individual Stormwater Discharge Permit #6946-INDS issued on May 11, 2016 by the ANR Watershed Management Division;
 - c. Coverage under General Permit #3-9014 (#7029-9014) issued on October 1, 2013 by the ANR Watershed Management Division.
 5. Any nonmaterial changes to the permits listed in the preceding condition shall be automatically incorporated herein upon issuance by the Agency of Natural Resources.
 6. Representatives of the State of Vermont shall have access to the property covered by this permit, at reasonable times, for the purpose of ascertaining compliance with Vermont environmental and health statutes and regulations and with this permit.
 7. A copy of this permit and plans shall be on the site at all times throughout the construction process.
 8. No change shall be made to the design, operation or use of this project without a permit amendment issued by the District Commission or a jurisdictional opinion from the District Coordinator that a permit is not required.
 9. No further subdivision, alteration, and/or development on the tract/tracts of land approved herein shall be permitted without a permit amendment issued by the District Commission or a jurisdictional opinion from the District Coordinator that a permit is not required.
 10. Pursuant to 10 V.S.A. § 8005(c), the District Commission may at any time require that the permit holder file an affidavit certifying that the project is in compliance with the terms of this permit.
 11. The conditions of this permit and the land uses permitted herein shall run with the land and are binding upon and enforceable against the Permittee and their successors and assigns.

12. The Permittee shall apply and maintain water and/or other dust control agents approved by the Watershed Management Division in the Project's Erosion Prevention and Control Plan on all roadways or disturbed areas within the project during construction and until pavement and/or vegetation is fully established.
13. The Permittee shall comply with Exhibits listed above (Condition #2) for erosion prevention and sediment control. The Permittee shall prevent the transport of any sediment beyond that area necessary for construction approved herein. All erosion prevention and sediment control devices shall be periodically cleaned, replaced and maintained until vegetation is permanently established on all slopes and disturbed areas.
14. All mulch, siltation dams, water bars and other temporary devices shall be installed immediately upon grading and shall be maintained until all roads are permanently surfaced and all permanent vegetation is established on all slopes and disturbed areas. Topsoil stockpiles shall have the exposed earth completely mulched and have siltation checks around the base.
15. All areas of disturbance must have temporary or permanent stabilization within 14 days of the initial disturbance. After this time, any disturbance in the area must be stabilized at the end of each work day. The following exceptions apply: i) Stabilization is not required if work is to continue in the area within the next 24 hours and there is no precipitation forecast for the next 24 hours. ii) Stabilization is not required if the work is occurring in a self-contained excavation (i.e. no outlet) with a depth of 2 feet or greater (e.g. house foundation excavation, utility trenches).
16. All disturbed areas of the site shall be stabilized, seeded and mulched immediately upon completion of final grading. All disturbed areas not involved in winter construction shall be mulched and seeded before October 1. Between the periods of October 15 to April 15, all earth disturbing work shall conform with the "Requirements for Winter Construction" standards and specifications of the Department of Environmental Conservation's *Low Risk Site Handbook for Erosion Prevention and Sediment Control* (2006).
17. Prior to construction of the approved work, the Permittee shall: a) clearly delineate the construction limits with flagging or snowfencing; b) place diversion ditches on the uphill limits of the construction area; and c) place temporary siltation controls on the downhill limits of construction.
18. A copy of the approved erosion prevention and sediment control plan shall be on the site at all times during construction.
19. In addition to conformance with all erosion prevention and sediment control conditions, the Permittee shall not cause, permit or allow the discharge of waste material into any surface waters. Compliance with the requirements of this condition does not absolve the Permittee from compliance with 10 V.S.A. (§§ 1250-1284) Chapter 47, Vermont's Water Pollution Control Law.
20. The Permittee shall maintain an undisturbed, naturally vegetated, unmowed 50-foot buffer from the edge of wetlands and any disturbed areas. Snowplowing or storage of materials within this buffer is prohibited.

21. Any extracted stumps shall be disposed of on-site above the seasonal high water table and not in any wetland, or at a State approved landfill, so as to prevent groundwater pollution.
22. The Permittee shall reference the requirements and conditions imposed by Land Use Permit 4C01271, 4C0676R-16, 4C0288-21, 4C0757-24, 4C0471-7 in all deeds of conveyance and leases.
23. Pursuant to 10 V.S.A. § 6090(b)(1) this permits and amendments are hereby issued for an indefinite term, as long as there is compliance with the conditions herein. Notwithstanding any other provision herein, this permit shall expire three years from the date of issuance if the Permittee has not commenced construction and made substantial progress toward completion within the three-year period in accordance with 10 V.S.A. § 6091(b).
24. All site work and construction shall be completed in accordance with the approved plans by **October 31, 2021** unless an extension of this date is approved in writing by the Commission. Such requests to extend must be filed prior to the deadline and approval may be granted without public hearing.
25. The Permittee shall file a Certificate of Actual Construction Costs, on forms available from the Natural Resources Board, pursuant to 10 V.S.A. § 6083a(g) within one month after construction has been substantially completed or two years from the date of this permit, whichever shall occur first. Application for extension of time for good cause shown may be made to the District Commission. If actual construction costs exceed the original estimate, a supplemental fee based on actual construction costs must be paid at the time of certification in accordance with the fee schedule in effect at the time of application. Upon request, the Permittee shall provide all documents or other information necessary to substantiate the certification. Pursuant to existing law, failure to file the certification or pay any supplemental fee due constitutes grounds for permit revocation. The certificate of actual construction costs and any supplemental fee (by check payable to the "State of Vermont") shall be mailed to: Natural Resources Board, Dewey Building, National Life Drive, Montpelier, VT 05620-3201; Attention: Certification.
26. Failure to comply with all of the above conditions may be grounds for permit revocation pursuant to 10 V.S.A. § 6027(g).

Dated at Essex Junction, Vermont, this 28th day of November, 2016.

By /s/Thomas A. Little, Chair
Thomas A. Little, Chair
District #4 Commission

Members participating in
this decision:

Marcy Harding, Vice Chair
Anthony Stamper

Any party may file a motion to alter with the District Commission within 15 days from the date of this decision, pursuant to Act 250 Rule 31(A).

Any appeal of this decision must be filed with the Superior Court, Environmental Division within 30 days of the date the decision was issued, pursuant to 10 V.S.A. Chapter 220. The Notice of Appeal must comply with the Vermont Rules for Environmental Court Proceedings (VRECP). The appellant must file with the Notice of Appeal the \$295 entry fee required by 32 V.S.A. § 1431.

The appellant must also serve a copy of the Notice of Appeal on the Natural Resources Board, Dewey Building, 1 National Life Drive, Montpelier, VT 05620-3201, and on other parties in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings.

Decisions on minor applications may be appealed only if a hearing was held by the district commission. Please note that there are certain limitations on the right to appeal. See 10 V.S.A. § 8504(k).

For additional information on filing appeals, see the Court's website at:

<http://www.vermontjudiciary.org/GTC/environmental/default.aspx> or call 802-951-1740. The Court's mailing address is: Vermont Superior Court, Environmental Division, 32 Cherry Street, 2nd Floor, Suite 303, Burlington, VT 05401.

w:\nrb\dist4\projects\4c1251-4c1500\4c1271\4c1271 permit.docx



State of Vermont

LAND USE PERMIT ADMINISTRATIVE AMENDMENT

CASE: 4C1271-1, 4C0676R-16A, 4C0288-21A,
4C0757-25A, 4C0471-7A
Vermont Agency of Transportation
c/o Jeff Ramsey
1 National Life Drive
Montpelier, VT 05633

LAWS/REGULATIONS INVOLVED
10 V.S.A. §§ 6001 – 6093 (Act 250)
Act 250 Rule 34(D)

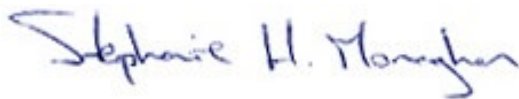
The District 4 Environmental Commission hereby issues Land Use Permit Administrative Amendment 4C1271-1, 4C0676R-16A, 4C0288-21A, 4C0757-25A, 4C0471-7A pursuant to the authority vested in it by 10 V.S.A., §§ 6001-6093. These permit amendments apply to the lands along Route 2/7 in the Town of Colchester, Vermont.

This permit specifically authorizes the **extension of the construction completion date to December 31, 2022**. The Project has been delayed by the lengthy right-of-way acquisition process and negotiations with landowners. The Project is the Diverging Diamond Interchange (I-89) located at the I-89 Exit 16 corridor in Colchester, Vermont.

Jurisdiction attaches because the Project constitutes a material change to permitted developments under Land Use Permits 4C1271, 4C0676R-16, 4C0288-21, 4C0757-25, 4C0471-7 and thus requires a permit amendment to Act 250 Rule 34.

1. Except as amended herein, all terms and conditions of Land Use Permit 4C1271, 4C0676R-16, 4C0288-21, 4C0757-25 and 4C0471-7 and subsequent amendments remain in full force and effect.

Dated at Essex Junction, Vermont, this 18th day of July, 2019.

By 
Stephanie H. Monaghan, District Coordinator
District #4, Natural Resources Board
111 West Street
Essex Jct., VT 05452
802-879-5662
stephanie.monaghan@vermont.gov

This permit is issued pursuant to Act 250 Rule 34(D), Administrative Amendments, which authorizes a district coordinator, on behalf of the District Commission, to "amend a permit without notice or hearing when an amendment is necessary for record-keeping purposes or to provide authorization for minor revisions to permitted projects raising no likelihood of impacts under the criteria of the Act." The rule also provides that all parties of record and current adjoining landowners shall receive a copy of any administrative amendment.

Prior to any appeal of this Administrative Amendment to the Superior Court, Environmental Division, the applicant or a party must file a motion to alter with the District Commission within 15 days from the date of this Administrative Amendment, pursuant to Act 250 Rule 34(D)(2).

CERTIFICATE OF SERVICE

I hereby certify on this 18th day of July, 2019, a copy of the foregoing ACT 250 LAND USE PERMIT #4C1271-1, 4C0676R-16A, 4C0288-21A, 4C0757-25A and 4C0471-7A, was sent by U.S. mail, postage prepaid to the following individuals without email addresses and by email to the individuals with email addresses listed.

Note: any recipient may change its preferred method of receiving notices and other documents by contacting the District Office staff at the mailing address or email below. If you have elected to receive notices and other documents by email, it is your responsibility to notify our office of any email address changes. All email replies should be sent to NRB.Act250Essex@vermont.gov

Vermont Agency of Transportation
c/o Jeff Ramsey
1 National Life Drive
Montpelier, VT 05633
jeff.ramsey@vermont.gov

Julie Graeter, Town Clerk
Chair, Selectboard/Chair, Planning Commission
Town of Colchester
781 Blakely Road
Colchester, VT 05446
jgraeter@colchestervt.gov

Chittenden County Regional Planning Commission
c/o Charlie Baker, Exec. Dir.
Regina Mahony, Planning Program Manager
110 West Canal Street, Suite 202
Winooski, VT 05404
permitting@ccrpcvt.org

Elizabeth Lord, Land Use Attorney
Agency of Natural Resources
1 National Life Drive, Davis 2
Montpelier, VT 05602-3901
anr.act250@vermont.gov

Barry Murphy/Vt. Dept. of Public Service
112 State Street, Drawer 20
Montpelier, VT 05620-2601
barry.murphy@vermont.gov
PSD.VTDPS@vermont.gov

Craig Keller/John Gruchacz/Jeff Ramsey/C. Clow
VTrans Policy, Planning & Research Bureau
Barre City Place
219 N. Main Street
Barre, VT 05641
AOT.Act250@vermont.gov

Agency of Ag., Food & Markets
116 State Street, Drawer 20
Montpelier, VT 05620-2901
AGR.Act250@vermont.gov

Division for Historic Preservation
National Life Building, Drawer 20
Montpelier, VT 05620
scott.dillon@vermont.gov
james.duggan@vermont.gov
ACCD.ProjectReview@vermont.gov

FOR YOUR INFORMATION

District #4 Environmental Commission
111 West Street
Essex Junction, VT 05452

ADJOINING LANDOWNERS

Available via:
<https://anrweb.vt.gov/PubDocs/ANR/Planning/4C1271-1/Application%20Documents/001%20Application%20Colchester%20DDI%2007-11-19.pdf>

Dated at Essex Junction, Vermont, this 18th day of July, 2019.



Natural Resources Board Technician
879-5614
christine.commo@vermont.gov

Y:\NRB\Essex\DISTRICTS\DIST4\PROJECTS\4C1251-4C1500\4C1271\4C1271-1\Published Documents\District Commission Documents\4C1271-1 cos.docx



LAND USE PERMIT ADMINISTRATIVE AMENDMENT

State of Vermont
Natural Resources Board
District 4 Environmental Commission
111 West Street
Essex Junction, VT 05452
<https://nrb.vermont.gov/>

[phone] 802-879-5614

CASE NO: 4C1271-1A, 4C0676R-16B, 4C0288-21B,
4C0757-25B, 4C0471-7B
Vermont Agency of Transportation
219 North Main Street
Barre City, VT 05641

LAWS/REGULATIONS INVOLVED
10 V.S.A. §§ 6001 - 6111 (Act 250)

The District 4 Environmental Commission hereby issues Land Use Permit Amendment #4C1271-1A, 4C0676R-16B, 4C0288-21B, 4C0757-25B, 4C0471-7B, pursuant to the authority vested in it by 10 V.S.A. §§ 6001-6111. This permit amendment applies to the lands along Route 2/7 in the Town of Colchester, Vermont.

This permit specifically authorizes the extension of the construction completion date to December 31, 2025. The Project has been delayed by the lengthy right-of-way acquisition process and negotiations with landowners. The project is the Diverging Diamond Interchange (I-89) located at I-89 Exit 16 corridor in Colchester, Vermont.

Jurisdiction attaches because the Project constitutes a material change to a permitted development or subdivision, and thus requires a permit amendment pursuant to Act 250 Rule 34.

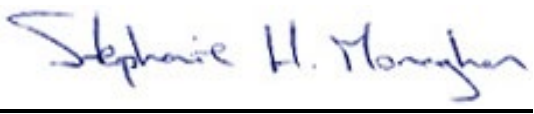
The Permittee, and its assigns and successors in interest, are obligated by this permit to complete, operate and maintain the project as approved by the District Commission in accordance with the following conditions.

1. All conditions of Land Use Permits #4C1271, 4C0676R-16, 4C0288-21, 4C0757-25, 4C0471-7 and amendments are in full force and effect except as amended herein.
2. All site work and construction of roadways and utilities shall be completed in accordance with the approved plans by **December 31, 2025**, unless an extension of this date is approved in writing by the Commission. Such requests to extend must be filed prior to the deadline, and approval may be granted without public hearing.



3. The Permittee shall comply with all of the conditions of the following updated Agency of Natural Resources Permits:
 - a. Authorization of Notice of Intent #6946-9020.1 under Construction General Permit #3-9020 issued March 25, 2013 (reissued May 16, 2016 and May 26, 2021) by the ANR Watershed Management Division – Expiration Date: 5/25/26; and
 - b. Individual Stormwater Discharge Permit #6946-INDS (now called 9050) issued on May 11, 2016 (reissued May 20, 2021) by the ANR Watershed Management Division – Expiration Date: 5/19/26.
4. Any nonmaterial changes to the permits listed in the preceding condition shall be automatically incorporated herein upon issuance by the Agency of Natural Resources.

Dated this 23rd day of July, 2021.

By: 
Stephanie H. Monaghan, District Coordinator
District 4, Natural Resources Board
111 West Street
Essex Junction, VT 05452
802-879-5662
stephanie.monaghan@vermont.gov

This permit is issued pursuant to Act 250 Rule 34(D), Administrative Amendments, which authorizes a district coordinator, on behalf of the District Commission, to "amend a permit without notice or hearing when an amendment is necessary for record-keeping purposes or to provide authorization for minor revisions to permitted projects raising no likelihood of impacts under the criteria of the Act." The rule also provides that all parties of record and current adjoining landowners shall receive a copy of any administrative amendment.

Prior to any appeal of this Administrative Amendment to the Superior Court, Environmental Division, the applicant or a party must file a motion to alter with the District Commission within 15 days from the date of this Administrative Amendment, pursuant to Act 250 Rule 34(D)(2).

Y:\NRB\Essex\DISTRICTS\DIST4\PROJECTS\4C1251-4C1500\4C1271\4C1271-1A\Published Documents\District Commission Documents\4C1271-1A administrative amendment.docx



**LAND USE PERMIT
ADMINISTRATIVE AMENDMENT
4C1271-1B,4C0676R-16C,4C0288-21C,4C0757-25C,4C0471-7C**

State of Vermont
Natural Resources Board
District 4 Environmental Commission
111 West Street
Essex Junction, VT 05452
[phone] 802-879-5614
<https://nrb.vermont.gov/>

Vermont Agency of Transportation
219 North Main Street
Barre, VT 05641

PERMIT NUMBER:
**4C1271-1B,4C0676R-16C,4C0288-
21C,4C0757-25C,4C0471-7C**

LAW/REGULATIONS INVOLVED:
10 V.S.A. §§ 6001 – 6111 (Act 250)
Act 250 Rule 34(D)

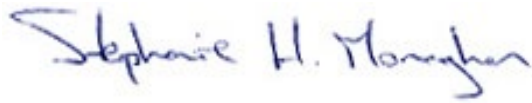
The District 4 Environmental Commission hereby issues Land Use Permit Administrative Amendment 4C1271-1B,4C0676R-16C,4C0288-21C,4C0757-25C,4C0471-7C pursuant to the authority vested in it by 10 V.S.A., §§ 6001-6111. This permit amendment applies to the lands along Route 2/7 in the Town of Colchester, Vermont.

This permit specifically authorizes the extension of the construction completion date to December 31, 2030. The Project has been delayed by the lengthy right-of-way acquisition process and various legal issues. The project is the Diverging Diamond Interchange (I-89) located at I-89 Exit 16 corridor in Colchester, Vermont.

Jurisdiction attaches because the Project constitutes a material change to a permitted development or subdivision, and thus requires a permit amendment pursuant to Act 250 Rule 34.

1. The Permittees and its assigns and successors in interest, are obligated by this permit to complete, operate and maintain the project as approved by the District Commission (the "Commission") in accordance with the following conditions.
2. All site work and construction of roadways and utilities shall be completed in accordance with the approved plans by **December 31, 2030. This is the final extension. Further extensions require a full Act 250 application and approval by the Commission.**
3. Except as amended herein, all terms and conditions of Land Use Permits 4C1271, 4C0676R-16, 4C0288-21, 4C0757-25, 4C0471-7 and subsequent amendments remain in full force and effect.

Dated this June 12, 2024.



By: _____

Stephanie H. Monaghan, District Coordinator

District 4, Natural Resources Board

111 West Street

Essex Junction, VT 05452

802-261-1944

stephanie.monaghan@vermont.gov

This permit is issued pursuant to Act 250 Rule 34(D), Administrative Amendments, which authorizes a district coordinator, on behalf of the District Commission, to "amend a permit without notice or hearing when an amendment is necessary for record-keeping purposes or to provide authorization for minor revisions to permitted projects raising no likelihood of impacts under the criteria of the Act." The rule also provides that all parties of record and current adjoining landowners shall receive a copy of any administrative amendment.

Prior to any appeal of this Administrative Amendment to the Superior Court, Environmental Division, the applicant, or a party must file a motion to alter with the District Commission within 15 days from the date of this Administrative Amendment, pursuant to Act 250 Rule 34(D)(2).

CERTIFICATE OF SERVICE

I hereby certify that I, Christine Commo, Natural Resources Board Technician, District 4 Environmental Commission, sent a copy of the foregoing **ACT 250 LAND USE PERMIT AMENDMENT 4C1271-1B,4C0676R-16C,4C0288-21C,4C0757-25C,4C0471-7C** by U.S. Mail, postage prepaid, on this June 12, 2024 to the following individuals without email addresses and by electronic mail, to the following individuals with email addresses:

Note: Any recipient may change its preferred method of receiving notices and other documents by contacting the District Office staff at the mailing address or email below. If you have elected to receive notices and other documents by email, it is your responsibility to notify our office of any email address changes.

VTrans
Attn: Jeff Ramsey
219 North Main
Barre, VT 05641
jeff.ramsey@vermont.gov

Colchester Selectboard
Pam Loranger, Chair
781 Blakely Road
Colchester, VT 05446
ploranger@colchestervt.gov

Colchester Planning Commission
Rich Paquette, Chair
781 Blakely Road
Colchester, VT 05446
Paquette12@comcast.net

Planning & Zoning Director
Cathyann LaRose, AICP
781 Blakely Rd.
Colchester, Vermont 05446
clarose@colchestervt.gov

Chittenden County Reg. Planning Comm.
110 West Canal Street, Suite 202
Winooski, VT 05404
permitting@ccrpcvt.org

Agency of Natural Resources
1 National Life Drive, Davis 2
Montpelier, VT 05620-3901
anr.act250@vermont.gov

FOR INFORMATION ONLY

District 4 Environmental Commission
Thomas Little, Chair
111 West Street
Essex Junction, VT 05452
NRB.Act250Essex@vermont.gov
nrb.act250agenda@vermont.gov

Colchester Town Clerk
Julie Graeter
781 Blakely Road
Colchester, VT 05446
jgraeter@colchestervt.gov

State of Vermont/Dept. of Public Service
112 State Street, Drawer 20
Montpelier, VT 05620-2601
barry.murphy@vermont.gov
PSD.VTDPS@vermont.gov

Vermont Agency of Transportation
Barre City Place
219 N. Main Street
Barre, VT 05641
AOT.Act250@vermont.gov

Vermont Agency of Ag., Food and Markets
116 State Street, Drawer 20
Montpelier, VT 05620-2901
AGR.Act250@vermont.gov

Vermont Division for Historic Preservation
National Life Building, 6th Floor, Drawer 20
Montpelier, VT 05620-0501
ACCD.ProjectReview@vermont.gov

ADJOINING LANDOWNERS

Gourmet Properties, LLC
25 Bishop Ave., P.O. Box 1277
Williston, VT 05495

Highpoint Center Area Association
99 Swift Street #100
South Burlington, VT 05403

70 Roosevelt Highway, LLC
294 N. Winooski Ave., Suite 120
Burlington, VT 05401

Mountaha Handy Revocable Trust
P.O. Box 2009
South Burlington, VT 05403

Restaurants of Northern Vermont, Inc.
35 Sockanosset Cross Road
Cranston, RI 02920

Timberlake Associates, LLP
32 San Remo Drive
South Burlington, VT 05403

Frank W. Whitcomb Const. Corp
187 Whitcomb Road
Walpole, NH 03608

Crystal Clear Hospitality, LLC
1274 W RXR Plaza
Uniondale, NY 11556

Dulgarian VT, LLC
144 Waterman Street, Suite 6
Providence, RI 02906

Colchester Retail, LLC
83 Orchard Hill Park Drive
Leominster, MA 01453

ARC SSCTRV001, LLC
11995 El Camino Real
San Diego, CA 92130

Sisters and Brothers Investment
75 South Winooski Ave; P.O. Box 201
Burlington, VT 05402

Lake Champlain Transportation Co.
King Street Dock
Burlington, VT 05401

R.L. Vallee, Inc.
282 South Main Street
St. Albans Town, VT 05478

416 Roosevelt Highway, LLC
41 Field Green Drive
Colchester, VT 05446

Cynosure, Inc.
60 Main Street, P.O. Box 786
Burlington, VT 05402

553 Roosevelt LLC, NuHarbor Security
553 Roosevelt Highway
Colchester, VT 05446

Alken Realty, LLC
40 Hercules Drive, P.O. Box 560
Colchester, VT 05446

16 Sunderland Woods Road, LLC
60 Lopes Ave
Burlington, VT 05408

State of Vermont
219 North Main
Barre, VT 05641

Winooski School District
27 West Allen Street
Winooski, VT 05404

R.S.L., LLC
402 VT Route 1 07
South Royalton, VT 05068

David E. Quinlan & Kelly A. Rybicki
432 Main Street
Winooski, VT 05404

6-Pack LLC
402 Watertower Circle
Milton, VT 05468

AAM CR1 Hotel LLC
6 Chaplin Hill Rd
Georgetown, MA 01833

LMJ, LLC
4281 Shelburne Road
Shelburne, VT 05482

Town of Colchester
781 Blakely Road
Colchester, VT 05446

30 Champlain Drive, LLP
30 Champlain Drive
Colchester, VT 05446

Roosevelt Plaza Owners Association
P.O. Box 1335
Burlington, VT 05402

Vermont Gas Systems, Inc.
85 Swift Street
South Burlington, VT 05403

947 Roosevelt Hwy., Inc.
285 Oak Circle
Colchester, VT 05446

973 Roosevelt Hwy., Inc.
285 Oak Circle
Colchester, VT 05446

Champlain Cable Corporation
175 Hercules Drive
Colchester, VT 05446

Emida Martel
991 Roosevelt Highway
Colchester, VT 05446

973 Roosevelt Hwy., Inc.
285 Oak Circle
Colchester, VT 05446

Susan Loomis
1007 Roosevelt Highway
Colchester, VT 05446

Dated this June 12, 2024.

Pine Hill Condominium
63 Sunderland Woods Road
Colchester, VT 05446

/s/Christine Commo
Christine Commo
Natural Resources Board Technician
802-879-5614
NRB.Act250Essex@vermont.gov



DEPARTMENT OF THE ARMY
US ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
696 VIRGINIA ROAD
CONCORD MA 01742-2751

March 21, 2023

CENAE-RDNH/VT-62
Regulatory Division
File Number: NAE-2012-01730

Mr. Colin Judge
Vermont Agency of Transportation
2178 Airport Road
Berlin, Vermont 05641
Sent by email: colin.judge@vermont.gov

Dear Mr. Judge:

The U.S. Army Corps of Engineers (USACE) has reviewed your application to place fill in about 18,616 sq. ft. (0.43 acre) of waters of the U.S. in conjunction with the improvements of the intersection of Interstate-89 and U.S. Route 2 and 7 in Colchester, Vermont. The work is shown on the enclosed plans, on six sheets, titled "Colchester HES NH 5600(14)" (dated "April 06, 2016") and "COLCHESTER HES NH 5600 (14)" (dated "4/15/2016").

Based on the information that you have provided, we verify that the activity is authorized under General Permit #18 of the enclosed December 6, 2022, federal permits known as the Vermont General Permits (GPs). The GPs are also available at <https://www.nae.usace.army.mil/Missions/Regulatory/State-General-Permits/Vermont-General-Permit>.

Please review the enclosed GPs carefully, in particular the general conditions beginning on page 27, and ensure that you and all personnel performing work authorized by the GPs are fully aware of and comply with its terms and conditions. A copy of the GPs and this verification letter shall be available at the work site as required by General Condition 27.

You must complete and return the enclosed Work Start Notification Form to this office at least two weeks before the anticipated start date. You must complete and return the enclosed Compliance Certification Form within one month following the completion of the authorized work.

This authorization presumes that the work as described above and as shown on your plans noted above is in waters of the U.S. If you wish, you may request an approved jurisdictional determination (which may be appealed), by contacting the USACE district for further instruction.

This authorization expires on December 6, 2027. You must commence or have under contract to commence the work authorized herein by December 6, 2027, and complete the work by December 6, 2028. If not, you must contact this office to determine the need for further authorization and we recommend you contact us *before* the work authorized herein expires. Please contact us immediately if you change the plans or construction methods for work in our jurisdiction as we must approve any changes before you undertake them. Performing work within our jurisdiction that is not specifically authorized by this determination or failing to comply with the special condition(s) provided above or all the terms and conditions of the GPs may subject you to the enforcement provisions of our regulations.

This authorization does not obviate the need to obtain other federal, state, or local authorizations required by law. Applicants are responsible for applying for and obtaining any other approvals.

We continually strive to improve our customer service. To better serve you, we would appreciate your completing our Customer Service Survey located at <https://regulatory.ops.usace.army.mil/customer-service-survey>.

Please contact Michael S. Adams of my staff at (802) 872-2893 or michael.s.adams@usace.army.mil if you have any questions.

Sincerely,

Frank J Del
Giudice

Digitally signed by
Frank J Del Giudice
Date: 2023.03.22
09:03:36 -04'00'

Frank J. DelGiudice
Chief, NH & VT Section
Regulatory Division

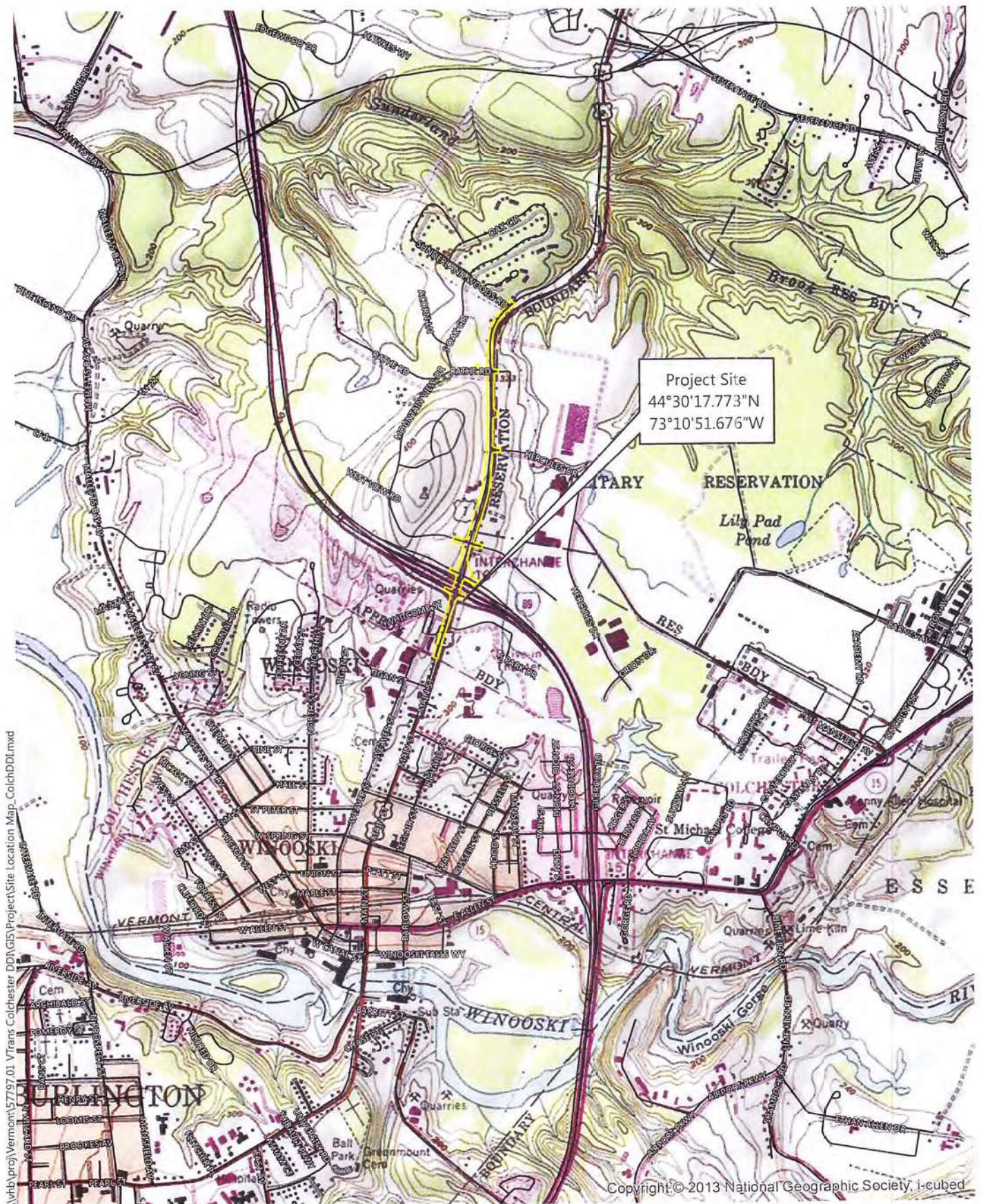
Enclosures

cc:

Ms. Tina Heath, VT DEC, tina.heath@vermont.gov

Mr. Glenn Gingras, VTrans, Glenn.Gingras@vermont.gov

Mr. Colin Judge, VTrans, colin.judge@vermont.gov

**VTrans Colchester Interchange Project** Colchester, VT

Colchester HES NH 5600(14)

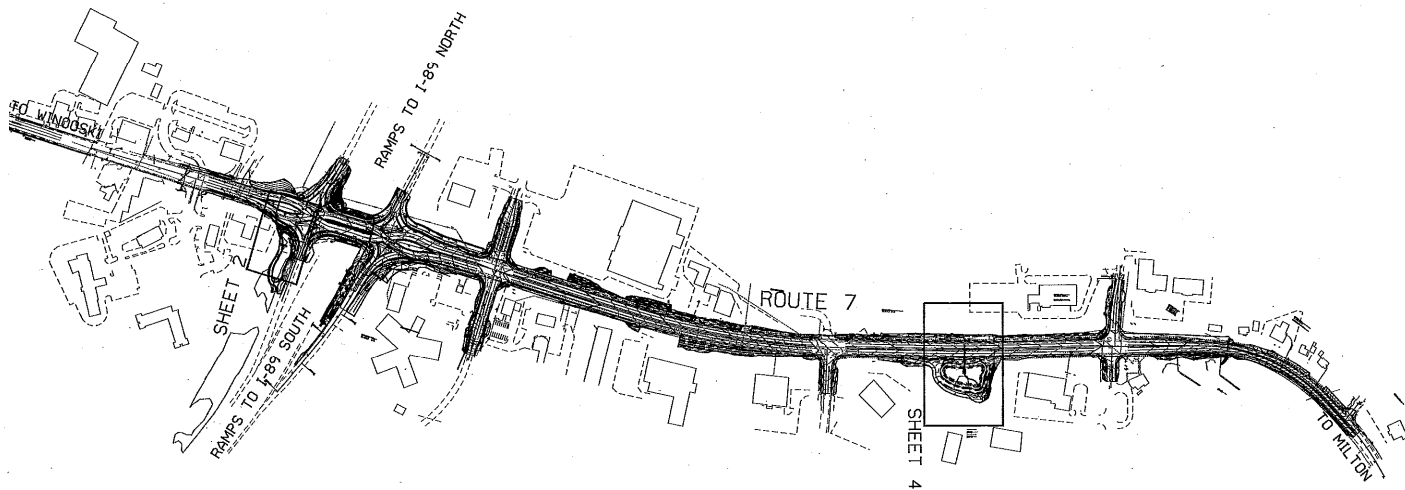
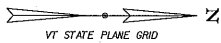
Site Location Map

Legend

-  Project Area
 Roads (VTrans)

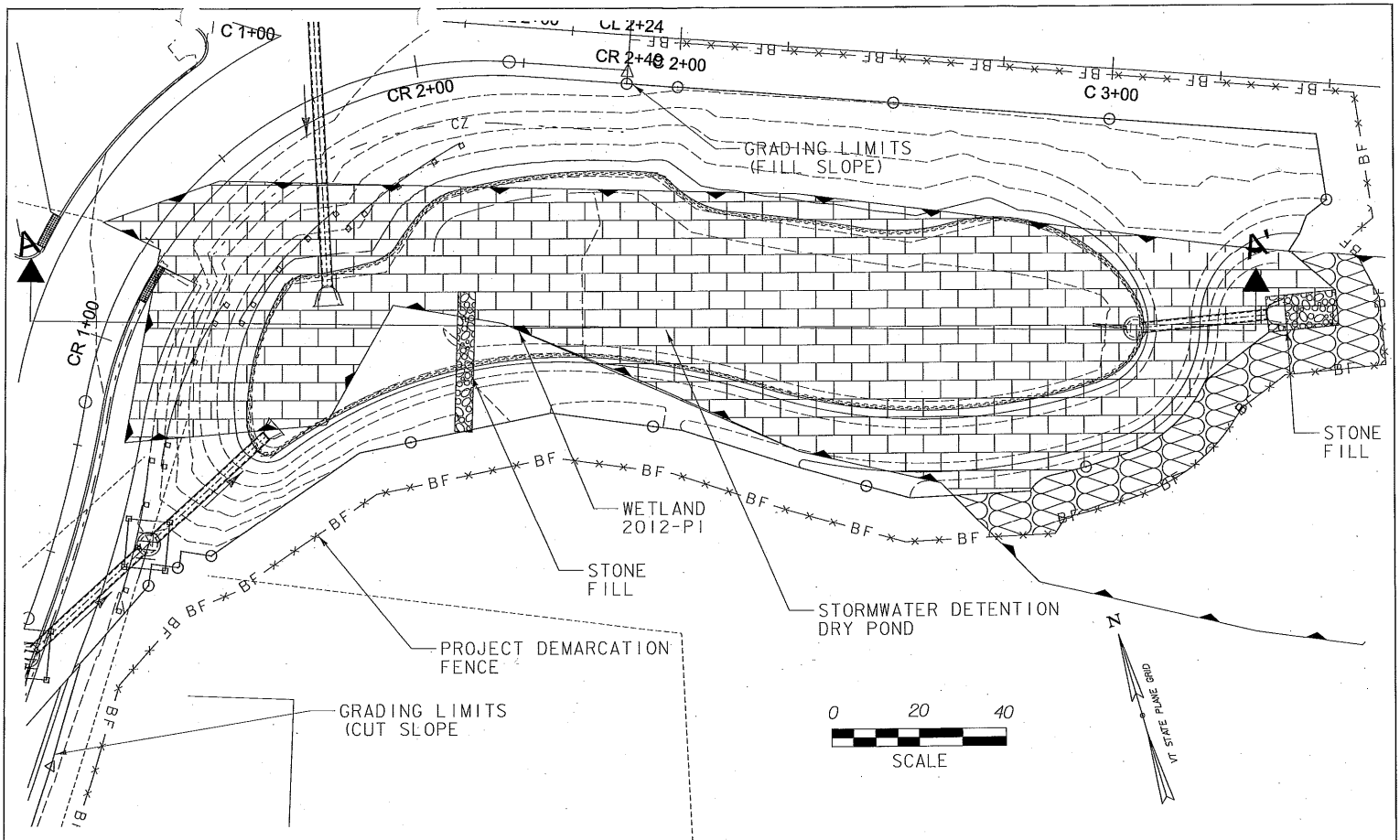
Sources:

USGS Topo Background (1996)
VTrans (Vermont Department of Transportation - 2015)
VTrans/ VHB LOD - 2013



PROJECT NAME: COLCHESTER HES NH 5600 (14)	
PROJECT NUMBER: 57797.01	
FILE NAME: 57699_BDR.mxd	PLOT DATE: 4/15/2016
PROJECT LEADER: M. KEENE	DRAWN BY: O.M. DARRISSE
DESIGNED BY: VHB	CHECKED BY: VHB
WETLAND AND STREAM IMPACT INDEX SHEET	SHEET 5 OF 9

VHB 57797.01



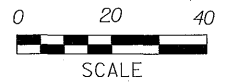
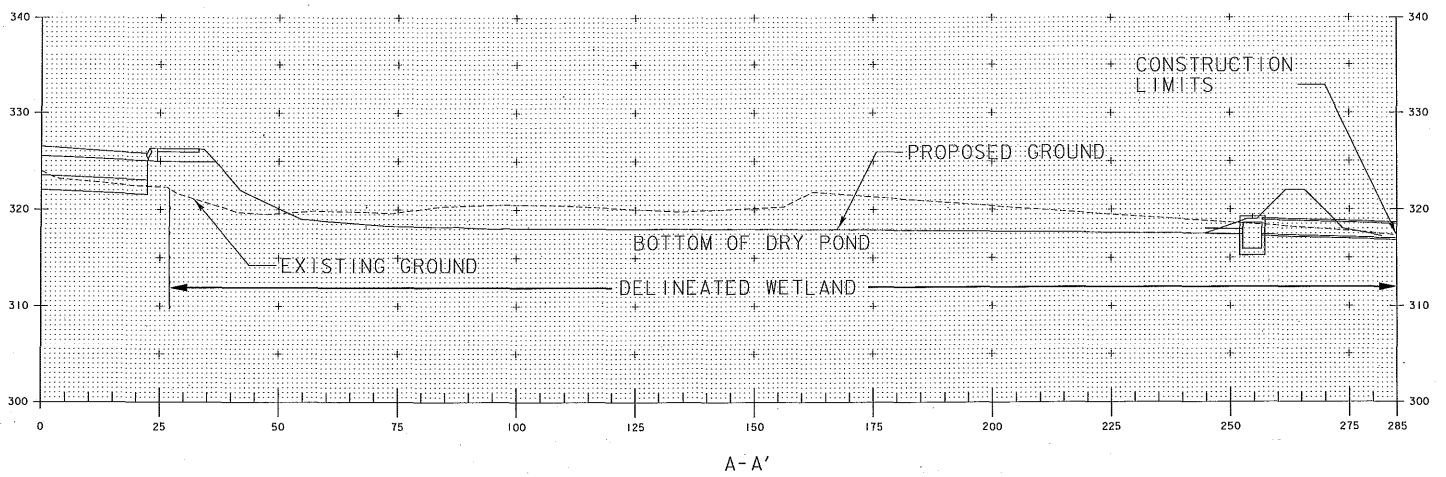
LEGEND

	AREA OF PERMANENT WETLAND IMPACT	(12,700 S.F.)
	AREA OF TEMPORARY WETLAND IMPACT	(1,250 S.F.)



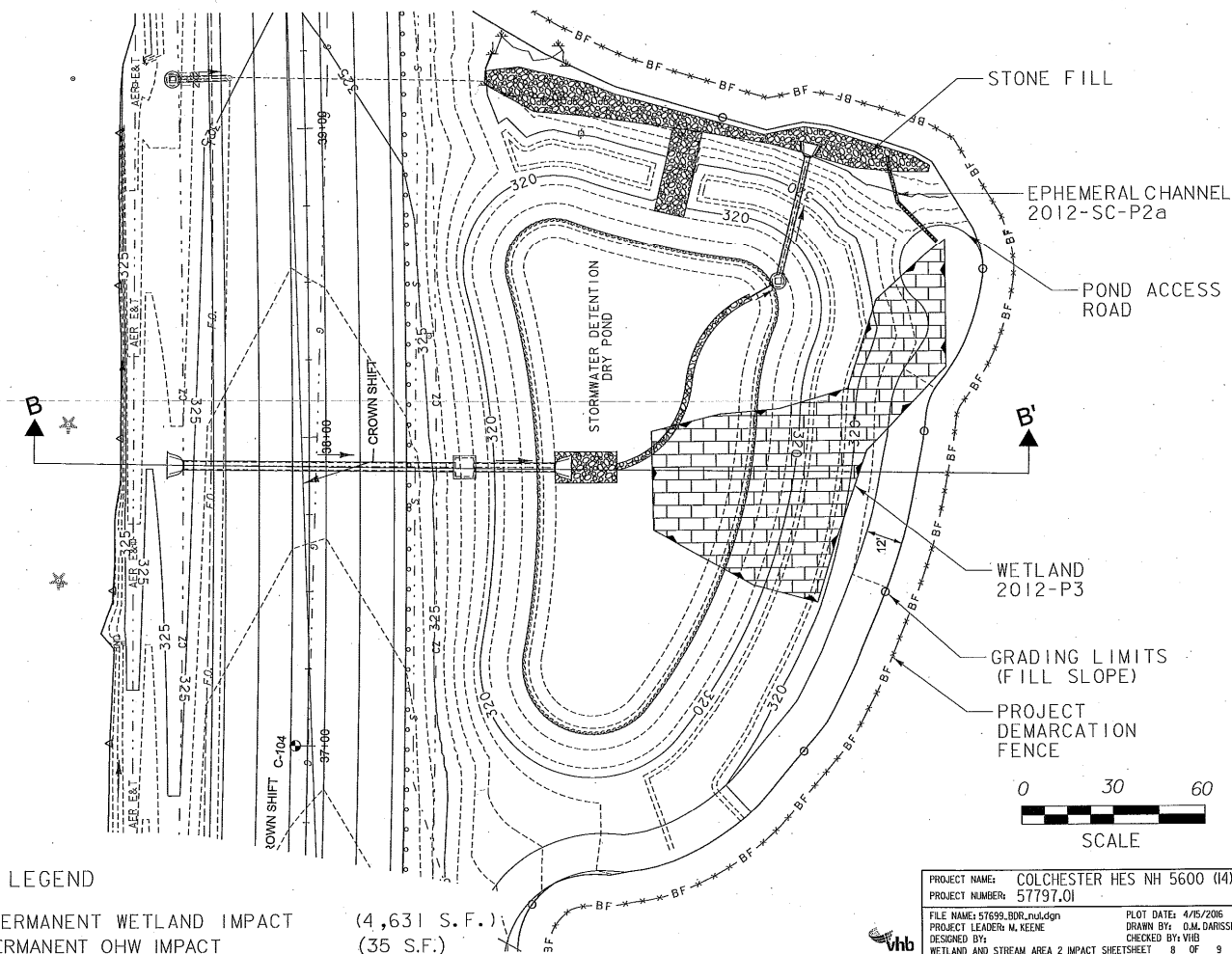
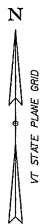
PROJECT NAME:	COLCHESTER HES NH 5600 (14)	PLOT DATE:	4/5/2016
PROJECT NUMBER:	57797.01	DRAWN BY:	OAM, DARISSE
FILE NAME:	57699_BDR.mxd	PROJECT LEADER:	M. KEENE
DESIGNED BY:		CHECKED BY:	VHB
WETLAND AND STREAM AREA IMPACT SHEET	6	OF	9

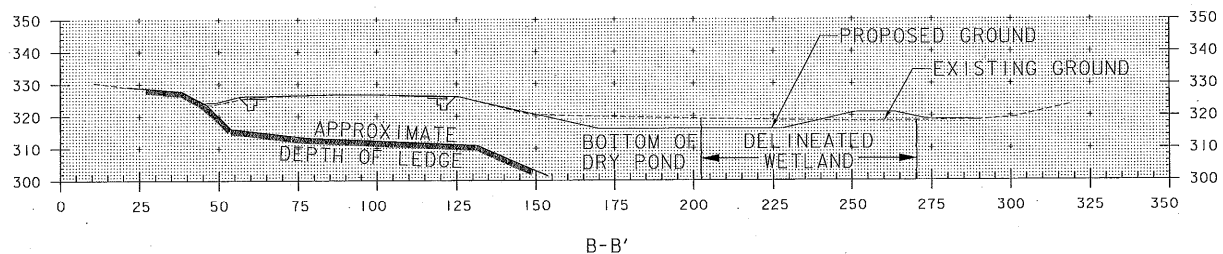
VHB 57797.01



PROJECT NAME: COLCHESTER HES NH 5600 (14)	
PROJECT NUMBER: 57797.01	
FILE NAME: 57699_BDR.mxd	PLOT DATE: 4/5/2016
PROJECT LEADER: M. KEENE	DRAWN BY: O.M. DARRISSE
DESIGNED BY: VHB	CHECKED BY: VHB
SECTION SHEET - IMPACT AREA 1	SHEET 7 OF 9

VHB 57797.01





PROJECT NAME: COLCHESTER HES NH 5600 (I4)	PLOT DATE: 4/5/2016
PROJECT NUMBER: 57797.01	DRAWN BY: O.M. DARISSE
FILE NAME: 57699.BDR.mxd.dgn	CHECKED BY: VHB
PROJECT LEADER: M. KEENE	SHEET 9 OF 9
DESIGNED BY:	
SECTION SHEET - IMPACT AREA 2	



VHB 57797.01



US Army Corps
of Engineers®
New England District

-3-

WORK START NOTIFICATION FORM

* EMAIL TO: michael.s.adams@usace.army.mil *
* or *
* MAIL TO: U.S. Army Corps of Engineers, New England District *
* Vermont Project Office *
* 11 Lincoln Street, Room 210 *
* Essex Junction, Vermont 05452 *

Corps of Engineers File No. NAE-2012-01730 was issued to Vermont Agency of Transportation. The permit authorized the permittee to place fill in about 18,616 sq. ft. (0.43 acre) of waters of the U.S. in conjunction with the improvements of the intersection of Interstate-89 and U.S. Route 2 and 7 in Colchester, Vermont.

The people (e.g., contractor) listed below will do the work, and they understand the permit's conditions and limitations.

PLEASE PRINT OR TYPE

Name of Contractor/Firm: _____

Business Address: _____

Telephone Numbers: (____) _____ (____) _____

Proposed Work Dates: Start _____ Finish _____

Permittee's Signature: _____

Date: _____

Printed Name: _____ Title: _____

FOR USE BY THE CORPS OF ENGINEERS

PM: Michael Adams Submittals Required: __No__

Inspection Recommendation: _____

**US Army Corps
of Engineers®**

New England District

(Minimum Notice: Permittee must sign and return notification within one month of the completion of work.)

COMPLIANCE CERTIFICATION FORM

USACE File Number: NAE-2012-01730

Name of Permittee: Vermont Agency of Transportation/Colchester

Verification Date: March 21, 2023

Please sign this certification and return it to the following address upon completion of the activity and any mitigation required by the permit. You must submit this after the mitigation is complete, but not the mitigation monitoring, which requires separate submittals.

* EMAIL TO: michael.s.adams@usace.army.mil *

* or *

* MAIL TO: U.S. Army Corps of Engineers, New England District *

* Vermont Project Office *

* 11 Lincoln Street, Room 210 *

* Essex Junction, Vermont 05452 *

Please note that your permitted activity is subject to a compliance inspection by an U.S. Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above referenced permit was completed in accordance with the terms and conditions of the above referenced permit, and any required mitigation was completed in accordance with the permit conditions.

Signature of Permittee

Date _____

Printed Name

Date of Work Completion

Telephone Number

General Permit No.: NAE-2022-00024
Applicant: General Public in the State of Vermont

Effective Date: December 6, 2022
Expiration Date: December 6, 2027

**DEPARTMENT OF THE ARMY GENERAL PERMITS
FOR THE STATE OF VERMONT**

The New England District of the U.S. Army Corps of Engineers (USACE) hereby issues twenty-one (21) regional general permits (GPs) for activities subject to USACE jurisdiction in waters of the United States (WOTUS), including navigable waters, within the boundaries of the state of Vermont. These GPs are issued in accordance with USACE regulations at 33 CFR 320–332 (see 33 CFR 325.2(c)(1)). These GPs will provide protection to the aquatic environment and the public interest while effectively authorizing activities that have no more than minimal individual and cumulative adverse environmental effects.

<u>This document contains the following sections:</u>		<u>Page</u>
SECTION I.	JURISDICTION/AUTHORITY TO ISSUE PERMITS	2
SECTION II.	REVIEW CATEGORIES AND APPLICATION PROCEDURES	2-4
SECTION III.	GENERAL PERMITS	4-26
SECTION IV.	GENERAL CONDITIONS	27-38
SECTION V.	CONTACTS	39
SECTION VI.	DEFINITIONS	40-44

In issuing these GPs, the Federal Government does not assume any liability for the following: (a) damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes; (b) damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the U.S. in the public interest; (c) damages to persons, property or to other permitted or unpermitted activities or structures caused by the activity authorized by any of the GPs; (d) design or construction deficiencies associated with the permitted work; or (e) damage claims associated with any future modification, suspension or revocation of these permits.



Tammy R. Turley
Chief, Regulatory Division

December 6, 2022

Date

SECTION I. JURISDICTION/AUTHORITY TO ISSUE PERMITS

1. A Department of the Army Permit is required from USACE for the following regulated activities:

a. The construction of any structure in, over, or under any navigable water of the U.S. (see 33 CFR 328), the excavating or dredging from or depositing of material in such waters, or the accomplishment of any other work affecting the course, location, condition, or capacity of such waters. The USACE regulates these activities under Section 10 of the Rivers and Harbors Act of 1899 (see 33 CFR 322); and

b. The discharge of dredged or fill material and certain discharges associated with excavation into WOTUS including wetlands. The USACE regulates these activities under Section 404 of the Clean Water Act (see 33 CFR 323).

2. Related laws: 33 CFR 320.3 includes a list of related laws including, but not limited to, Section 14 of the Rivers and Harbors Act of 1899 (33 USC 408, "Section 408"), Section 401 of the Clean Water Act, Section 402 of the Clean Water Act, Section 307(c) of the Coastal Zone Management Act of 1972, Section 106 of the National Historic Preservation Act of 1966, Section 7 of the Endangered Species Act, the Fish and Wildlife Coordination Act of 1956, the Magnuson-Stevens Fishery Conservation and Management Act, Section 302 of the Marine Protection, Research and Sanctuaries Act of 1972, and Section 7(a) of the Wild and Scenic Rivers Act.

3. In order for an authorization under these GPs to be valid, a Water Quality Certification (WQC) under Section 401 of the CWA (33 USC 1341) or waiver thereof must be obtained from the Vermont Agency of Natural Resources (VT ANR), Watershed Management Division prior to the commencement of work in USACE jurisdiction. The VT ANR has granted an Individual WQC for all activities authorized under these GPs provided those activities meet the criteria as contained in these GPs and USACE notifies VT ANR of projects obtaining written verification under these GPs. The VT ANR will respond within the same response times required of the Federal resource agencies.

SECTION II. REVIEW CATEGORIES AND APPLICATION PROCEDURES

1. In order for activities to qualify for these GPs, they shall meet the terms and conditions of this document, including the eligibility criteria listed in Section III and the general conditions (GCs) listed in Section IV. The USACE will consider any activity requiring USACE authorization to be unauthorized if that activity is under construction or completed and does not comply with all of the terms and conditions of the GPs. The USACE will evaluate unauthorized activities for enforcement action under 33 CFR part 326. Any activity not specifically listed may still be eligible for authorization under these GPs; prospective permittees are advised to contact USACE for specific eligibility determinations.

2. Project proponents are encouraged to contact the USACE Vermont Project Office (VPO) with questions at any time (mailing address: 11 Lincoln Street, Room 210, Essex Junction, Vermont 05452; email: cenae-r-vt@usace.army.mil; phone: (802) 872-2893). Pre-application meetings (see 33 CFR 325.1(b)), whether arranged by USACE or requested by applicants, are encouraged to facilitate the review of projects. Pre-application meetings and/or site visits can help streamline the permit process by alerting the applicant to potentially time-consuming concerns that may arise during the evaluation

of a project (e.g., avoidance, minimization and compensatory mitigation requirements, historic properties, and endangered species).

3. Federal and state jurisdiction may differ in some instances. Applicants are responsible for applying for and obtaining all required federal, state or local approvals (see GC 1). A permit from USACE may be required for specific activities regardless of state of Vermont jurisdiction.

These GPs may also be used to authorize projects that are not regulated by the state of Vermont.

4. How to Obtain/Apply for Authorization:

Project proponents must read each GP and the GCs to see if an activity is eligible for authorization.

a. Self-Verification (SV):

May proceed without application or notification to USACE provided the project proponent verifies that the activity will meet the terms and conditions of applicable GPs. Project proponents shall comply with other federal laws such as the National Historic Preservation Act (NHPA), the Endangered Species Act (ESA) and the Wild and Scenic Rivers Act (WSRA). Consultation with outside experts, such as the State Historic Preservation Officer (SHPO), federally-recognized tribes in the state of Vermont (Tribal Historic Preservation Officers, or THPOs), National Park Service (NPS), and the U.S. Fish and Wildlife Service (USFWS) listed in Appendix V may also be necessary. The USACE relies on the VT ANR Environmental Notice Bulletin (ENB) for notification of SV projects, as applicable.

b. Pre-Construction Notification (PCN):

i. For activities that do not qualify for SV, the applicant must submit a PCN to obtain written verification from USACE before starting work in USACE jurisdiction. Digital submissions are encouraged and preferred and can be submitted directly to USACE staff by email, or at cenae-r-vt@usace.army.mil. Applicants must submit at least the following information:

- A completed USACE application form (ENG Form 4345¹).
- Plans that illustrate the proposed work in reference to the limits of USACE jurisdiction as applicable. Plans should show existing and proposed conditions and contain all other appropriate information.
- Federal wetland delineation documentation (i.e., Wetland Determination Data Forms).
- Any information on federally listed endangered and threatened species and critical habitat that occur or may occur in the project area (See GC 12).
- Any correspondence with the SHPO and THPOs indicating coordination with these entities to ensure compliance with GC 11. Applicants are encouraged to submit a copy of their application materials to the SHPO and the THPOs, at the

¹ Located at www.nae.usace.army.mil/regulatory under "Useful Documents, Forms and Publications."

same time, or before, they apply to USACE to be reviewed for the presence of historic, archaeological or tribal resources in the permit area that the proposed work may affect.

The USACE will coordinate review of all PCN activities with the interagency review team (IRT) comprised of federal and state agencies and federally recognized tribes to ensure that the proposed activity results in no more than a minimal impact to the aquatic environment. This may require project modifications involving avoidance, minimization, and/or compensatory mitigation for unavoidable impacts to ensure the net effects of a project are minimal.

ii. Emergency Situations: Contact USACE immediately in the event of an emergency to obtain information on the verification process and coordination requirements. The USACE regulation at 33 CFR 325.2(e)(4) states that “an “emergency” is a situation which would result in an unacceptable hazard to life, a significant loss of property, or an immediate, unforeseen and significant economic hardship if corrective action requiring a permit is not undertaken within a time period less than the normal time needed to process the application under standard procedures.” Emergency work is subject to the same terms and conditions of these GPs as non-emergency work, and similarly, must qualify for authorization under these GPs; otherwise, an individual permit (IP) shall be required. Upon notification, USACE will determine if a project qualifies for emergency procedures under the GPs and whether work may proceed prior to submittal of an application. Where an application is required, USACE staff will work with all applicable agencies to expedite verification according to established procedures in emergency situations.

5. Projects that are not authorized by these GPs require an IP (33 CFR 325.5(b)) and project proponents must submit an application directly to USACE. These GPs do not affect the USACE IP review process or activities exempt from USACE permit requirements. The USACE retains discretionary authority on a case-by-case basis to elevate an SV to PCN or an IP, or a PCN to an IP based on concerns for the aquatic environment or for any other factor of the public interest (33 CFR 320.4(a)). Whenever USACE notifies an applicant that a PCN or IP is required, no work in USACE jurisdiction may be conducted until USACE issues the required authorization in writing indicating that work may proceed. For IPs, an individual 401 WQC or waiver is required from the VT ANR. Contact the VT ANR for procedures on how to apply for a WQC.

SECTION III. GENERAL PERMITS

An activity listed below may be authorized by these GPs only if that activity and the permittee satisfy all of the GP’s terms and conditions. Any activity not specifically listed below may still be eligible for the GPs; prospective permittees are advised to contact USACE for specific eligibility determinations.

“Permanent impacts” means WOTUS that are permanently affected by filling, flooding, excavation, drainage or clearing because of the regulated activity. Permanent impacts include permanent discharges of dredged or fill material that change an aquatic area to dry land, increase the bottom elevation of a waterbody, or change the use of a waterbody. Temporary impacts include, but are not limited to, WOTUS that are temporarily filled, flooded, excavated, drained or cleared because of the regulated activity. Temporary

impacts are usually associated with construction activities and often involve the placement of cofferdams and construction mats. These fills are removed when construction is completed. Piling and associated structures do not ordinarily constitute a discharge of fill material. Impacts resulting from activities eligible for exemptions under §404(f) of the CWA are not considered when calculating the impact area.

Vermont General Permits

1. Aids to navigation
2. Repair or maintenance of existing currently serviceable, authorized or grandfathered structures/fills and removal of structures and fills
3. Moorings
4. Pile-supported structures and floats, including boat lifts/hoists and other miscellaneous structures, temporary recreational structures and work
5. Boat ramps and marine railways
6. Utility line activities
7. Dredging, beach nourishment, rock and debris removal and rock relocation
8. U.S. Coast Guard Approved Bridges
9. Shoreline and bank stabilization projects
10. Aquatic habitat restoration, establishment and enhancement activities
11. Fish and wildlife harvesting activities
12. Oil spill and hazardous material cleanup
13. Cleanup of hazardous and toxic waste
14. Scientific measurement devices
15. Survey activities
16. Energy generation and renewable energy generation facilities and hydropower projects
17. New/expanded developments and recreational facilities
18. Linear transportation projects and stream/wetland crossings
19. Mining activities
20. Temporary fill not associated with any other GP activities
21. Agricultural activities

GP 1. AIDS TO NAVIGATION (Section 10): The placement of aids to navigation and regulatory markers that are approved by and installed in accordance with the requirements of the U.S. Coast Guard (USCG). See 33 CFR 66, Chapter I, subchapter C.

Self-Verification Eligible

Aids to navigation and regulatory markers approved by and installed in accordance with the requirements of the USCG. Not located within a USACE Federal Navigation Project (FNP).

Pre-Construction Notification Required

1. Work not eligible for SV.
2. Aids to navigation and regulatory markers or temporary buoys, markers, floats, and similar structures that are located within a USACE FNP.

GP 2. REPAIR OR MAINTENANCE OF EXISTING CURRENTLY SERVICEABLE, AUTHORIZED OR GRANDFATHERED STRUCTURES/FILLS AND REMOVAL OF STRUCTURES AND FILLS

(Sections 10 & 404): (a) Repair, rehabilitation, or replacement of any previously authorized, currently serviceable structure or fill, or of any currently serviceable structure or fill authorized by 33 CFR 330.3 (activities occurring before certain dates), provided that the structure or fill is not to be put to uses differing from those uses specified or contemplated for it in the original permit or the most recently authorized modification. Minor deviations in the structure's configuration or filled area, including those due to changes in materials, construction techniques, requirements of other regulatory agencies, or current construction codes or safety standards that are necessary to make the repair, rehabilitation, or replacement are authorized. Includes removal of structures and fill.

Not authorized under GP 2: Permanent impacts > 5,000 SF in Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands, and > 1 acre in all other WOTUS.

Self-Verification Eligible

1. Repair, replacement in-kind, or maintenance of existing, currently serviceable, authorized structures or fills with no substantial expansion or change in use:
 - Conditions of the original authorization apply.
 - Minor deviations in fill design allowed.
 - The repair, rehabilitation, or replacement of those structures or fills destroyed or damaged by storms, floods, fire or other discrete events is authorized, provided the repair, rehabilitation, or replacement is commenced, or is under contract to commence, within two years of the date of their destruction or damage. In cases of catastrophic events, such as hurricanes or tornadoes, USACE may waive the two-year limit in writing provided the permittee can demonstrate funding, contract, or other similar delays.
 - Maintenance includes, but it is not limited to, the removal of accumulated sediments and debris in the vicinity of existing structures (such as bridges, culverted road crossings, water intake structures, dams, etc.), provided: (a) removal is the minimum necessary to restore the waterway in the vicinity of the structure to the approximate dimensions that existed when the structure was built; and (b) all dredged or excavated materials are deposited and retained in an upland area.
2. Bulkhead replacement via installation of new bulkhead within 18" of existing bulkhead and backfill.
3. Construction mats of any area necessary to conduct activities that were previously authorized, authorized under SV, or not subject to regulation in all WOTUS.
4. Removal of previously authorized structures or fills and the restoration to pre-construction conditions.

Pre-Construction Notification Required

1. Work not eligible for SV.
 2. Dam and flood control or levee repair, rehabilitation, or replacement which involves a permanent change in the flood elevation or permanent water surface elevation of the impoundment.
 3. The discharge of more than *de minimis* (i.e., inconsequential) quantities of accumulated bottom sediment occurring from or through a dam into downstream waters.
- NOTE 1:** Grandfather dates include structures or work completed before December 18, 1968 and fill placed before July 25, 1975 for USACE purposes only.
- NOTE 2:** This GP authorizes the repair, rehabilitation, or replacement of any previously authorized structure or fill that does not qualify for the CWA §404(f) exemption for maintenance. See 33 CFR 323.4(a)(2).

GP 3. MOORINGS (Section 10): (a) New private, non-commercial, non-rental, single-boat moorings; (b) Minor relocation of previously authorized moorings; (c) Mooring field expansions, boundary reconfigurations, or modifications of previously authorized mooring fields; and (d) Maintenance and replacement of moorings.

Not authorized under GP 3: Moorings or moored vessels that extend within the horizontal limits of FNPs and moorings associated with a new boating facility.

Self-Verification Eligible	Pre-Construction Notification Required
<ul style="list-style-type: none"> 1. Private, non-commercial, non-rental, single-boat moorings. 2. Minor relocation of previously authorized moorings. 	<ul style="list-style-type: none"> 1. Work not eligible for SV. 2. New moorings associated with an existing boating facility.

GP 4. PILE-SUPPORTED STRUCTURES AND FLOATS, INCLUDING BOAT LIFTS/HOISTS AND OTHER MISCELLANEOUS STRUCTURES, TEMPORARY RECREATIONAL STRUCTURES AND WORK (Section 10): (a) New, expansions, reconfigurations, or modifications of structures for navigation access including docks, decks, floats, stairs, and boat/float lifts; and (b) Temporary buoys, markers, and similar structures placed for recreational use during specific events such as water skiing competitions and boat races or seasonal use.

Not authorized under GP 4: (a) Fill or excavation; (b) Structures within FNP's; or (c) Structures associated with a new boating facility.

Self-Verification Eligible	Pre-Construction Notification Required
<p>1. Reconfiguration of existing authorized docks with no additional slips and no expansion, provided those structures do not extend beyond the existing perimeter of the facility.</p> <p>2. Seasonal private, residential pile-supported or float-supported structures for navigational access extending no further waterward than 50 feet beyond mean high water (MHW), not >6 feet wide, and a cumulative dock deck area <500 SF, and not located within 25 feet of the property line.</p> <p>3. Private, bottom-anchored seasonal swim floats that are <400 SF in size.</p> <p>4. Private boat and float lifts.</p> <p>5. Temporary buoys, markers, and similar structures: (a) placed for recreational use during specific events, provided that such structures are removed within 30 days after use has been discontinued and/or; (b) placed during winter events on ice and removed before spring thaw.</p> <p>Provided the above do not extend across >25% of the waterway width at mean low water (MLW).</p>	<p>1. Work not eligible for SV.</p> <p>2. Piers, docks, decks, floats, and similar structures that provide public, community or government recreational uses such as boating, fishing, swimming, access, etc.</p> <p>3. Structures or work in or affecting navigable WOTUS that are not defined under any other GP activity.</p> <p>4. New structures within an existing boating facility, provided those structures do not extend beyond the existing perimeter of the boating facility.</p> <p>5. Temporary buoys, markers, and similar structures that will not be removed within 30 days after use has been discontinued.</p> <p>6. Cordoning off portions of public waters (e.g., swim areas).</p> <p>NOTE: The USACE may require a letter of no objection from the abutter if a structure is to be located within 25 feet of the property line.</p>

GP 5. BOAT RAMPS AND MARINE RAILWAYS (Sections 10 and 404): Activities required for the construction of boat ramps and marine railways including excavation and fill.

Not authorized under GP 5: (a) Permanent impacts $\geq 5,000$ SF in Lake Champlain, Lake Memphremagog and Wallace Pond and adjacent wetlands, and > 1 acre in all other WOTUS; (b) Temporary impacts > 1 acre in WOTUS; or (c) dredging in navigable WOTUS. (see GP 7).

Self-Verification Eligible	Pre-Construction Notification Required
<p>1. $< 5,000$ SF of permanent and temporary impacts in waterways and/or wetlands other than Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands.</p>	<p>1. Work not eligible for SV.</p> <p>2. < 5000 SF permanent impact and < 1 acre of temporary impact and excavation in Lake Champlain, Lake Memphremagog and Wallace Pond and adjacent wetlands.</p> <p>3. Permanent and temporary impacts $\geq 5,000$ SF and < 1 acre in waterways and/or wetlands, other than Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands.</p> <p>NOTE: The USACE may require a letter of no objection from the abutter if a structure is to be located within 25 feet of the property line.</p>

GP 6. UTILITY LINE ACTIVITIES (Sections 10 & 404): Activities required for (a) The construction, maintenance, relocation, repair, and removal of utility lines, including outfall and intake structures, and the associated excavation, backfill, or bedding for utility lines; (b) The construction, maintenance or expansion of utility line substation facilities associated with a power/utility line in WOTUS; and (c) The construction and maintenance of foundations for overhead utility line towers, poles, and anchors, provided the foundations are the minimum size necessary, and separate footings for each tower leg (rather than a larger single pad) are used where feasible. This GP authorizes the construction of access roads to facilitate construction of the above activities, provided the activity, in combination with all other activities included in one single and complete project, does not cause the permanent loss of greater than 1 acre of WOTUS. Impacts resulting from mechanized pushing, dragging or other similar activities that redeposit excavated soil material shall be figured into the area limit determination.

Not authorized under GP 6: Permanent and temporary impacts $\geq 5,000$ SF in Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands, and > 1 acre in all other WOTUS.

Self-Verification Eligible	Pre-Construction Notification Required
<p>1. $< 5,000$ SF of permanent and temporary impacts in waterways and/or wetlands other than Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands.</p> <p>2. Intake structures that are dry hydrants used exclusively for firefighting activities with no stream impoundments.</p> <p>3. Seasonal waterlines installed on the lake or river bottom that are ≤ 2 inches in diameter.</p>	<p>1. Work not eligible for SV.</p> <p>2. Overhead utility lines constructed over navigable WOTUS and submarine utility lines that are routed in or under such waters.</p> <p>3. Permanent and temporary impacts are:</p> <ul style="list-style-type: none"> a. $< 5,000$ SF in Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands. b. $\geq 5,000$ SF and < 1 acre in waterways and/or wetlands other than Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands. <p>4. Work involves stream channelization, relocation or loss of streambed including impoundments.</p> <p>NOTE: Utility lines consisting of aerial electric power transmission lines crossing navigable WOTUS must comply with the applicable minimum clearances specified in 33 CFR 322.5(i).</p>

NOTE: A utility line is defined as any pipe or pipeline for the transportation of any gaseous, liquid, liquescent, or slurry substance, for any purpose, and any cable, line, or wire for the transmission for any purpose of electrical energy, telephone, data, and telegraph messages, and radio and television communication. The term utility line does not include activities that drain a water of the U.S., such as drainage tile or French drains, but it does apply to pipes conveying drainage from another area.

NOTE: Construction mats of any area necessary to conduct activities do not count towards the SV and PCN thresholds and should be removed as soon as work is completed.

GP 7. DREDGING (Section 10), BEACH NOURISHMENT, (Sections 10 & 404); ROCK AND DEBRIS REMOVAL (Section 10) AND ROCK RELOCATION (Sections 10 & 404): (a) New and maintenance dredging, including disposal of dredged material for beach nourishment, provided USACE finds the dredged material to be suitable for such disposal; (b) Beach nourishment not associated with dredging; and (c) Rock removal and relocation for navigation.

Not authorized under GP 7: (a) New and maintenance dredging $\geq 5,000$ CY; (b) Permanent fill $\geq 5,000$ SF in Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands, and > 1 acre in all other WOTUS; (c) Regulated discharges associated with excavation, and disposal $> 1/2$ acre; and (d) Temporary fill > 1 acre in all WOTUS.

Self-Verification Eligible	Pre-Construction Notification Required
<p>1. No new or maintenance dredging in navigable WOTUS.</p> <p>2. $< 5,000$ SF of temporary impact associated with dredging in waterways and/or wetlands.</p> <p>3. ≤ 200 SF of impact associated with rock removal and relocation.</p> <p>4. Removal of debris (e.g. woody and plant material deposited after a storm event) in navigable WOTUS.</p>	<p>1. Work not eligible for SV.</p> <p>2. New and maintenance dredging up to $5,000$ CY with upland disposal or beach nourishment in navigable WOTUS.</p> <p>3. $\geq 5,000$ SF and < 1 acre of temporary impact associated with dredging in all waterways and/or wetlands.</p> <p>4. Disposal of dredged material for beach nourishment:</p> <ul style="list-style-type: none"> a. $< 5,000$ SF in Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands. b. $\geq 5,000$ SF and < 1 acre in waterways and/or wetlands other than Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands.

GP 8. U.S. COAST GUARD APPROVED BRIDGES (Section 10 & 404; navigable WOTUS):

Discharges of dredged or fill material incidental to the construction and modification of bridges across navigable WOTUS, including cofferdams, abutments, foundation seals, piers, and temporary construction and access fills provided that the USCG authorizes the construction of the bridge structure under Section 9 of the Rivers and Harbors Act of 1899 or other applicable laws. A USCG Authorization Act Exemption or a STURRA (144h) exemption do not constitute USCG authorization (see GP 18).

Not authorized under GP 8: Causeways and approach fills (see GP 18)

Self-Verification Eligible**Pre-Construction Notification Required**

Discharges of dredged or fill material incidental to the construction and modification of bridges.

GP 9. SHORELINE AND BANK STABILIZATION PROJECTS (Sections 10 & 404): Bank stabilization activities necessary for erosion protection along the banks of lakes, ponds, streams, and any other open waters. Includes bulkheads, seawalls, riprap, revetments or slope protection and similar structures, as well as vegetative planting, soil bioengineering, or alternative techniques that are a combination of the two (e.g. living shorelines), specifically for the purpose of shoreline protection.

Not authorized under GP 9: (a) Bank stabilization ≥ 500 LF in total length and/or involving more than an average of 1 CY of fill per linear foot placed below the plane of the ordinary high water mark (OHWM) in Lake Champlain, Lake Memphremagog and Wallace Pond and adjacent wetlands; (b) Stream channelization or relocation activities; or (c) breakwaters, groins and jetties.

Self-Verification Eligible	Pre-Construction Notification Required
<p>1. No fill in Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands.</p> <p>2. Bank stabilization < 200 linear feet long and does not exceed an average of 1 CY of fill per linear foot placed below the plane of OHWM in WOTUS other than Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands.</p> <p>3. < 5,000 SF of temporary fill associated with bank stabilization in waterways and/or wetlands, other than Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands.</p>	<p>1. Work not eligible for SV.</p> <p>2. Bank stabilization <500 linear feet and an average of < 1 CY of fill per linear foot placed below the plane of OHWM in Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands.</p>

GP 10. AQUATIC HABITAT RESTORATION, ESTABLISHMENT AND ENHANCEMENT ACTIVITIES (Sections 10 and 404):

Activities in waters of the United States associated with the restoration, enhancement, and establishment of wetlands and riparian areas; the restoration and enhancement of streams and other open waters; the relocation of non-navigable WOTUS, including streams and associated wetlands for reestablishment of a natural stream morphology and reconnection of the floodplain; and the restoration and enhancement of shellfish, finfish and wildlife, provided those activities result in net increases in aquatic resource functions and services.

Not authorized under GP 10: Stream channelization activities.

Self-Verification Eligible	Pre-Construction Notification Required
<ul style="list-style-type: none">1. No fill in Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands.2. Permanent and temporary impacts are < 5,000 SF in waterways and/or wetlands.3. The activity does not convert a stream to wetland or vice versa, or wetland to a pond or uplands.4. Temporary structures in navigable WOTUS not exceeding 30 days.	<ul style="list-style-type: none">1. Work not eligible for SV.2. Permanent or temporary impacts are:<ul style="list-style-type: none">a. In Lake Champlain, Lake Memphremagog, Wallace Pond, adjacent wetlands; orb. $\geq 5,000$ SF in all other waterways and/or wetlands.3. Permanent structures in navigable WOTUS.4. Sea Lamprey control projects.5. Water impoundments.6. Dam removals.7. Restoration, establishment and/or enhancement activities approved for use by a USACE-approved in-lieu fee program or USACE-approved mitigation bank, with impacts of any size.

GP 11. FISH AND WILDLIFE HARVESTING ACTIVITIES (Sections 10 and 404): Activities in waters of the United States associated with fish and wildlife harvesting devices, such as duck blinds, fish shanties, and small fish aggregating and attraction devices.

Not authorized by GP 11: (a) Artificial reefs; and (b) Permanent and temporary fill > 5,000 SF in all waterways and/or wetlands.

Self-Verification Eligible	Pre-Construction Notification Required
Non-fill activities associated with fish and wildlife harvesting devices including duck blinds, fish shanties and small fish aggregating and attraction devices in navigable waters.	<ol style="list-style-type: none"> 1. Work not eligible for SV. 2. Permanent and temporary impacts < 5,000 SF in all waterways and/or wetlands.

GP 12. OIL SPILL AND HAZARDOUS MATERIAL CLEANUP (Sections 10 and 404): (a)

Activities conducted in response to a discharge or release of oil and hazardous substances that are subject to the National Oil and Hazardous Substances Pollution Contingency Plan (40 CFR 300) including containment, cleanup, and mitigation efforts, provided activities are done under either (i) The Spill Prevent, Control and Countermeasure Plan required by 40 CFR 112.3; (ii) The direction or oversight of the Federal on-site coordinator designated by 40 CFR 300; or (iii) Any approved existing state, regional or local contingency plan, provided that the Regional Response Team concurs with the proposed response efforts or does not object to the response effort; (b) Activities required for the cleanup of oil releases in WOTUS from electrical equipment that are governed by EPA's polychlorinated biphenyl (PCB) spill response regulations at 40 CFR 761; (c) Booms placed in navigable WOTUS; and (d) Use of structures and fills for spill response training exercises. Special Aquatic Sites (SAS) must be restored to their original condition and elevation

Self-Verification Eligible	Pre-Construction Notification Required
<ol style="list-style-type: none">1. Activities that are conducted in accordance with (a) or (b) above.2. Booms placed in navigable WOTUS for hazardous and toxic waste containment, absorption and prevention, provided they are removed upon completion of the cleanup.3. Temporary impacts for spill response training exercises < 1000 SF in navigable WOTUS and < 5000 SF in all other WOTUS, and in place ≤ 30 days.	<ol style="list-style-type: none">1. Work not eligible for SV.2. Permanent structures or impacts for spill response training exercises.

GP 13. CLEANUP OF HAZARDOUS AND TOXIC WASTE (Sections 10 and 404): Specific activities to effect the containment, stabilization or removal of hazardous or toxic waste materials, including court ordered remedial action plans or related settlements which are performed, ordered or sponsored by a government agency with established legal or regulatory authority. SAS must be restored to their original condition and elevation.

Not authorized under GP 13: (a) the establishment of new disposal sites; or (b) the expansion of existing sites used for the disposal of hazardous or toxic waste.

Self-Verification (SV) Eligible	Pre-Construction Notification Required
<ul style="list-style-type: none"> 1. Permanent and temporary impacts are < 5,000 SF in WOTUS. 2. No fill in navigable WOTUS. 3. Booms placed in navigable WOTUS for oil and hazardous substance containment, absorption and prevention, provided they are removed upon completion of the cleanup. 	<ul style="list-style-type: none"> 1. Work not eligible for SV. 2. Permanent and temporary impacts: <ul style="list-style-type: none"> a. \geq 5,000 SF in all WOTUS; or b. Located in navigable WOTUS. 3. Work involves stream channelization, relocation, impoundments or loss of streambed.

GP 14. SCIENTIFIC MEASUREMENT DEVICES (Sections 10 and 404): Scientific devices for measuring and recording scientific data, such as staff gauges, tide and current gauges, meteorological stations, water recording and biological observation devices, water quality testing and improvement devices, and similar structures. Also eligible are small temporary weirs and flumes constructed primarily to record water quantity and velocity, provided the discharge is < 25 CY.

Not authorized under GP 14: (a) Permanent and temporary impacts > 1/2 acre in navigable WOTUS; and (b) Permanent and temporary impacts > 1 acre in all other WOTUS.

Self-Verification Eligible	Pre-Construction Notification Required
<p>1. Permanent and temporary impacts are ≤ 1,000 SF in WOTUS.</p> <p>2. Temporary structures in navigable WOTUS.</p> <p>Provided the activity does not:</p> <ul style="list-style-type: none"> • Restrict or concentrate movement of aquatic organisms; • Result in a hazard to navigation. 	<p>1. Work not eligible for SV.</p> <p>2. Permanent and temporary impacts > 1000 SF in WOTUS.</p> <p>3. Permanent structures in navigable WOTUS.</p> <p>4. The activity involves permanent biological sampling devices in non-navigable WOTUS, temporary or permanent biological sampling devices in navigable WOTUS, or weirs and flumes.</p>

NOTE: Upon completion of the use of the device to measure and record scientific data, the measuring device, and any other structures or fills associated with that device (e.g., foundations, anchors, buoys, lines, etc.), must be removed to the maximum extent practicable.

GP 15. SURVEY ACTIVITIES (Sections 10 and 404): Survey activities such as soil borings, core sampling, seismic exploratory operations, plugging of seismic shot holes, and other exploratory-type bore holes, exploratory trenching and historic resources surveys.

Not authorized under GP 15: (a) Permanent impacts > 5,000 SF in Lake Champlain, Lake Memphremagog and Wallace Pond, and > 1 acre in all other waterways and/or wetlands, (b) Temporary impacts > 1 acre in all WOTUS, excluding temporary mats.

Self-Verification Eligible	Pre-Construction Notification Required
<ol style="list-style-type: none"> 1. No fill in Lake Champlain, Lake Memphremagog and Wallace Pond. 2. < 5,000 SF of permanent and temporary impacts in waterways and/or wetlands other than Lake Champlain, Lake Memphremagog and Wallace Pond. 3. No impacts, other than soil borings or core sampling, in navigable WOTUS. 4. No permanent structures or drilling and discharge of excavated material from test wells for oil and gas exploration allowed. 	<ol style="list-style-type: none"> 1. Work not eligible for SV. 2. < 5000 SF permanent impact and < 1 acre of temporary impact in Lake Champlain, Lake Memphremagog and Wallace Pond and adjacent wetlands. 3. Permanent and temporary impacts are \geq 5,000 SF and < 1 acre of impact in waterways and/or wetlands, other than Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands.
<p>NOTE: The area in which the exploratory trench is dug must be restored to its preconstruction elevation upon completion of the work and must not drain a water of the United States. In wetlands, the top 6 to 12 inches of the trench should normally be backfilled with topsoil from the trench.</p> <p>NOTE: Construction mats of any area necessary to conduct activities do not count towards the SV and PCN thresholds and should be removed as soon as work is completed.</p>	

GP 16. ENERGY GENERATION AND RENEWABLE ENERGY GENERATION FACILITIES AND HYDROPOWER PROJECTS (Sections 10 and 404):

Structures and work in navigable WOTUS and discharges of dredged or fill material into WOTUS for the construction, expansion, modification or removal of: (a) land-based renewable energy production facilities, including attendant features; (b) water-based wind production facilities or hydrokinetic renewable energy generation projects and their attendant features; and (c) discharges of dredged or fill material associated with hydropower projects.

Attendant features may include, but are not limited to, land-based collection and distribution facilities, control facilities, and parking lots. For each single and complete project in (b) above, no more than 10 generation units (e.g., wind turbines or hydrokinetic devices) are authorized in navigable WOTUS.

Not authorized under GP 16: Permanent and temporary impacts that are (a) > 1 acre in non-navigable WOTUS; (b) > 5,000 SF in navigable WOTUS; and (c) > 5,000 SF in wetlands adjacent to Lake Champlain, Lake Memphremagog, and Wallace Pond.

Self-Verification Eligible	Pre-Construction Notification Required
For land-based facilities: 1. < 5,000 SF of permanent and temporary impacts in non-navigable WOTUS.	1. Work not eligible for SV. 2. Permanent and temporary impacts are: a. ≥ 5000 SF and < 1 acre in non-navigable WOTUS, and b. < 5000 SF in navigable WOTUS. 3. Work involves stream channelization, relocation or loss of streambed including impoundments.

NOTE: Utility lines constructed to transfer the energy from the land-based renewable generation or collection facility to a distribution system, regional grid, or other facility may be authorized by GP 6.

NOTE: Construction mats of any area necessary to conduct activities do not count towards the SV and PCN thresholds and should be removed as soon as work is completed.

GP 17. NEW/EXPANDED DEVELOPMENT AND RECREATIONAL FACILITIES (Sections 10 and 404): Discharges of dredged or fill material for the construction or expansion of developments and/or recreational facilities. This GP authorizes attendant features that are necessary for the use of the development. Attendant features may include but are not limited to roads, parking lots, garages, yards, utility lines, storm water management facilities, and septic fields. Fill area includes all temporary and permanent fill, and regulated discharges associated with excavation.

Not authorized under GP 17: Permanent and temporary impacts > 5,000 SF in Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands, and > 1 acre in all other waterways and/or wetlands.

Self-Verification Eligible	Pre-Construction Notification Required
<p>1. < 5,000 SF of permanent and temporary impacts in waterways and/or wetlands other than Lake Champlain, Lake Memphremagog and Wallace Pond and adjacent wetlands.</p>	<p>1. Work not eligible for SV.</p> <p>2. Permanent and temporary impacts are:</p> <ul style="list-style-type: none"> a. < 5,000 SF in Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands. b. ≥ 5,000 SF and < 1 acre in waterways and/or wetlands other than Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands. <p>3. Work involves stream channelization, relocation, or loss of streambed, including impoundments.</p>

NOTE: Construction mats of any area necessary to conduct activities do not count towards the SV and PCN thresholds and should be removed as soon as work is completed.

GP 18. LINEAR TRANSPORTATION PROJECTS AND STREAM/WETLAND CROSSINGS

(Sections 10 & 404): Activities required for the construction, expansion, modification, or improvement of linear transportation projects (e.g., driveways, roads, highways, railways, trails, airport runways, and taxiways), and attendant features. Any stream channel modification is limited to the minimum necessary to construct or protect the linear transportation project; such modifications must be in the immediate vicinity of the project.

Not authorized under GP 18: Permanent and temporary impacts > 5,000 SF in Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands, and > 1 acre in all other waterways and/or wetlands.

Self-Verification Eligible	Pre-Construction Notification Required
<p>1. < 5,000 SF of permanent and temporary impacts in waterways and/or wetlands other than Lake Champlain, Lake Memphremagog and Wallace Pond and adjacent wetlands.</p> <p>2. Permanent and temporary stream crossings that comply with GC 20.</p> <p>3. Existing crossings (e.g., culverts, elliptical or arch pipes, etc.) are not modified by (a) decreasing the diameter of the crossing or (b) changing the friction coefficient, such as through sliplining (retrofitting an existing culvert by inserting a smaller diameter pipe), culvert relining or invert lining.</p>	<p>1. Work not eligible for SV.</p> <p>2. Permanent and temporary impacts are:</p> <p>a. < 5,000 SF in Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands.</p> <p>b. ≥ 5,000 SF and < 1 acre in waterways and/or wetlands other than Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands.</p> <p>3. Work involves stream channelization, relocation or loss of streambed including impoundments.</p> <p>NOTE: Time of year for instream work is not limited for PCN authorizations unless specifically required by special conditions.</p>
<p>NOTE: Non-linear features commonly associated with transportation projects, such as vehicle maintenance or storage buildings, parking lots, train stations, or aircraft hangars may be authorized by GP 17.</p> <p>NOTE: Construction mats of any area necessary to conduct activities do not count towards the SV and PCN thresholds and should be removed as soon as work is completed.</p>	

GP 19. MINING ACTIVITIES (Sections 10 and 404): Discharges of dredged or fill material into WOTUS for mining activities.

Not authorized under GP 16: Permanent and temporary impacts > 5,000 SF in Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands, and > 1 acre in all other waterways and/or wetlands.

Self-Verification Eligible	Pre-Construction Notification Required
<p>1. The activity does not occur in, over, or under navigable WOTUS.</p> <p>2. < 5,000 SF of permanent and temporary impacts in waterways and/or wetlands other than Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands.</p>	<p>1. Work not eligible for SV.</p> <p>2. Permanent and temporary impacts are:</p> <p>a. < 5,000 SF in Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands.</p> <p>b. \geq 5,000 SF and < 1 acre in waterways and/or wetlands other than Lake Champlain, Lake Memphremagog, Wallace Pond and adjacent wetlands.</p> <p>3. Work occurs in a navigable WOTUS.</p> <p>4. Work involves stream channelization, relocation, impoundment, loss of streambed, or discharge of tailings into streams.</p>

GP 20. TEMPORARY FILL NOT ASSOCIATED WITH ANY OTHER GP ACTIVITIES (Sections 10 and 404): Temporary structures, work, and discharges, including cofferdams, necessary for construction activities or access fills or dewatering of construction sites that are not authorized under another GP activity. Not authorized under GP 20: (a) Permanent structures or impacts; (b) Temporary impacts > 1 acre in WOTUS; (c) use of cofferdams to dewater wetlands or other aquatic areas to change their use; or (d) Structures or fill left in place after construction is completed.	
Self-Verification Eligible	Pre-Construction Notification Required
1. Temporary impacts including land clearing in WOTUS are ≤ 5000 SF.	1. Work not eligible for SV.
NOTE: Temporary stream crossings may be authorized under GP 18. NOTE: Construction mats of any area necessary to conduct activities do not count towards the SV and PCN thresholds and should be removed as soon as work is completed.	

GP 21. AGRICULTURAL ACTIVITIES (Section 404): Discharges of dredged or fill material into WOTUS for agricultural activities, including the construction of building pads for farm buildings. Authorized activities include: (a) installation, placement, or construction of drainage tiles, ditches, or levees; mechanized land clearing; land leveling; the relocation of existing serviceable drainage ditches; and similar activities; (b) discharges of dredged or fill material to relocate existing serviceable drainage ditches constructed in streams.

Not authorized under GP 21: (a) Permanent impacts > 1 acre in non-navigable WOTUS; (b) Work in navigable WOTUS; or (c) Construction of farm ponds in perennial streams.

Self-Verification Eligible	Pre-Construction Notification Required
1. For those activities subject to USACE jurisdiction, < 5,000 SF of permanent and temporary impacts.	1. $\geq 5,000$ SF to < 1 acre of permanent and temporary impacts. 2. Work involves stream channelization, relocation or loss of streambed including impoundments.

SECTION IV. GENERAL CONDITIONS

1. Other Permits. Permittees shall obtain other federal, state, or local authorizations as required by law. Permittees are responsible for applying for and obtaining all required state or local approvals. Work that is not regulated by the state of Vermont, but is subject to USACE jurisdiction, may be eligible for these General Permits (GPs).

2. Federal Jurisdictional Boundaries.

a. Applicability of these GPs shall be evaluated with reference to federal jurisdictional boundaries. Activities shall be evaluated with reference to “WOTUS” under the Clean Water Act (33 CFR 328) and “navigable WOTUS” under §10 of the Rivers and Harbors Act of 1899 (33 CFR 329). Applicants are responsible for ensuring that the boundaries used satisfy the federal criteria defined at 33 CFR 328-329. These sections prescribe the policy, practice and procedures to be used in determining the extent of USACE jurisdiction. Note: WOTUS includes all waters pursuant to 33 CFR 328.3(a), and adjacent wetlands as that term is defined in 33 CFR 328.3(c).

b. Applicants shall identify all aquatic resources on the project site. All aquatic resources are presumed to be WOTUS unless an approved jurisdictional determination has been obtained from USACE that determines otherwise. Wetlands shall be delineated in accordance with the Corps of Engineers Wetlands Delineation Manual and the most recent Northcentral/Northeast Regional Supplement.

3. Mitigation (Avoidance, Minimization, and Compensatory Mitigation).

a. Activities shall be designed and constructed to avoid and minimize direct, indirect, secondary, and cumulative adverse effects, both temporary and permanent, to WOTUS to the maximum extent practicable at the project site (i.e., on site). Consideration of mitigation (avoiding, minimizing, rectifying, reducing, or compensating) is required to the extent necessary to ensure that the adverse effects to the aquatic environment are no more than minimal.

b. Applicants should consider riparian/forested buffers for stormwater management and low impact development (LID) best management practices (BMPs) to reduce impervious cover and manage stormwater to minimize impacts to the maximum extent practicable.

c. Compensatory mitigation¹ for effects to WOTUS, including direct, secondary and temporal², may be required for projects with permanent and temporary impacts that exceed the SV area limits to offset unavoidable impacts, which remain after all appropriate and practicable avoidance and minimization has been achieved, and to ensure that the adverse effects to the aquatic environment are no more than minimal. Proactive restoration projects or temporary impact work with no secondary effects may generally be excluded from this requirement.

d. Mitigation proposals shall follow the guidelines found in the Compensatory Mitigation for Losses of Aquatic Resources; Final Rule April 10, 2008; 33 CFR 332. Permittees considering the use of a monetary payment in-lieu of permittee-responsible mitigation as compensation for unavoidable impacts to WOTUS in the state of Vermont may utilize the Vermont In-Lieu Fee Program.

¹ Compensatory mitigation projects provided to offset losses of aquatic resources must comply with the applicable provisions of 33 CFR 332. Also reference the New England District Compensatory Mitigation Guidance at

<http://www.nae.usace.army.mil/Missions/Regulatory/Mitigation.aspx>.

² Temporal loss: The time lag between the losses of aquatic resource functions caused by the permitted impacts and the replacement of aquatic resource functions at the compensatory mitigation site(s) (33 CFR 332.2).

e. Mitigation will likely be required for fills >5,000 SF. Information is provided at <https://www.nae.usace.army.mil/Missions/Regulatory/Mitigation/>.

4. Discretionary Authority. Notwithstanding compliance with the terms and conditions of this permit, USACE retains discretionary authority to require an IP review based on concerns for the aquatic environment or for any other factor of the public interest (33 CFR 320.4(a)). This authority is invoked on a case-by-case basis whenever USACE determines that the potential consequences of the proposal warrant IP review based on the concerns stated above. This authority may be invoked for projects with cumulative adverse environmental effects that are more than minimal, or if there is a special resource or concern associated with a particular project. Whenever USACE notifies an applicant that an IP may be required, authorization under these GPs is voided and no work may be conducted until a USACE IP is obtained or until USACE notifies the applicant that further review has demonstrated that the work may be reviewed under these GPs.

5. Fills Within 100-Year Floodplains. The activity shall comply with applicable Federal Emergency Management Agency (FEMA)-approved state of Vermont or municipal floodplain management requirements. Permittees should contact FEMA and/or the state of Vermont Floodplain Management Program regarding floodplain management requirements (see Section V for Federal and state-specific contact info).

6. Single and Complete Project. The term “single and complete project” is defined at 33 CFR 330.2(i) as the total project proposed or accomplished by one owner/developer or partnership or other association of owners/developers. The GPs shall not be used for piecemeal work and shall be applied to single and complete projects.

a. For non-linear projects, a single and complete project must have independent utility. Portions of a multi-phase project that depend upon other phases of the project do not have independent utility. Phases of a project that would be constructed even if the other phases were not built can be considered as separate single and complete projects with independent utility.

b. Unless USACE determines the activity has independent utility, all components of a single project and/or all planned phases of a multi-phased project (e.g., subdivisions should include all work such as roads, utilities, and lot development) shall be treated together as constituting one single and complete project.

c. For linear projects such as power lines or pipelines with multiple crossings, a “single and complete project” is all crossings of a single water of the U.S. (i.e. single waterbody) at a specific location. For linear projects crossing a single waterbody several times at separate and distant locations, each crossing is considered a single and complete project. However, individual channels in a braided stream or river, or individual arms of a large, irregularly-shaped wetland or lake, etc., are not separate waterbodies, and crossings of such features cannot be considered separately. If any crossing requires a PCN review or an IP review, then the entire linear project shall be reviewed as one project under PCN or the IP procedures.

7. Use of Multiple General Permits. The use of more than one GP for a single and complete project is prohibited, except when the acreage loss of WOTUS authorized by the GPs does not exceed the acreage limit of the GPs with the highest specified acreage limit. For example, if a road crossing over waters is constructed under GP 18, with an associated utility line crossing authorized by GP 6, if the maximum acreage loss of WOTUS for the total project is ≥ 1 acre it shall be evaluated as an IP.

8. USACE Property and Federal Projects.

- a. Corps projects and property can be found at: www.nae.usace.army.mil/Missions/Civil-Works and www.nan.usace.army.mil/missions/civil-works
- b. In addition to any authorization under these GPs, proponents must contact the USACE Real Estate Division at (978) 318-8585 for work occurring on or potentially affecting USACE properties and/or USACE-controlled easements to initiate reviews and determine what real estate instruments are necessary to perform work. Permittees may not commence work on USACE properties and/or USACE-controlled easements until they have received any required USACE real estate documents evidencing site-specific permission to work.
- c. Any proposed temporary or permanent modification or use of a Federal project (including but not limited to a levee, dike, floodwall, channel, anchorage, seawall, bulkhead, jetty, wharf, pier or other work built but not necessarily owned by the United States), or any use which would obstruct or impair the usefulness of the Federal project in any manner, and/or would involve changes to the authorized Federal project's scope, purpose, and/or functioning, is not eligible for SV and will also require review and approval by USACE pursuant to Section 14 of the Rivers and Harbors Act of 1899 (33 USC 408) (Section 408).
- d. A PCN is required for all work in, over, under, or within a distance of three times the authorized depth of a USACE FNP and may also require permission under Section 408.
- e. Any structure or work that extends closer than a distance of three times the project's authorized depth to the horizontal limits of any FNP shall be subject to removal at the owner's expense prior to any future USACE dredging or the performance of periodic hydrographic surveys.
- f. Where a Section 408 permission is required, written verification for the PCN will not be issued prior to the decision on the Section 408 permission request.

9. National Lands. Activities that impinge upon the value of any National Wildlife Refuge, National Forest, or any area administered by the NPS, USFWS or U.S. Forest Service (USFS) are not eligible for SV and require either a PCN or IP.

10. Wild and Scenic Rivers.

- a. The following activities in designated rivers of the National Wild and Scenic River (WSR) System, or in a river designated by Congress as a "study river" for possible inclusion in the system, require a PCN unless the NPS has determined in writing to the proponent that the proposed work will not adversely affect the WSR designation or study status:
 - i. Activities that occur in WSR segments, in and 0.25 miles up or downstream of WSR segments, or in tributaries within 0.25 miles of WSR segments;
 - ii. Activities that occur in wetlands within 0.25 miles of WSR segments;
 - iii. Activities that have the potential to alter free-flowing characteristics in WSR segments.
- b. As of December 19, 2014, affected rivers in Vermont include: the Missisquoi River, from its headwaters at the Lowell/Westfield town line to the Canadian border in Troy (20.5 miles) and from the Canadian border in East Richford to Enosburgh Falls (14.6 miles); and the Trout River.

11. Historic Properties.

- a. No undertaking shall cause effects (defined at 33 CFR 325 Appendix C and 36 CFR 800) on properties listed on, determined to be eligible for listing on, or potentially eligible for listing on

the National Register of Historic Places³, including previously unknown historic properties within the permit area, unless USACE or another Federal action agency has satisfied the consultation requirements of Section 106 of the National Historic Preservation Act (NHPA). The SHPO, THPO and the National Register of Historic Places can assist with locating information on: i) previously identified historic properties; and ii) areas with potential for the presence of historic resources, which may require identification and evaluation by qualified historic preservation and/or archaeological consultants in consultation with USACE and the SHPO and/or THPO(s).

b. For activities eligible for SV, proponents must ensure and document that the activity will not cause effects as stated in 11(a).

c. Permittees must submit a PCN to USACE as soon as possible if the authorized activity may cause effects as stated in 11(a) to ensure that USACE is aware of any potential effects of the permitted activity on any historic property or cultural resource so that the consultation requirements of Section 106 of NHPA can be satisfied.

d. If a project proponent discovers any previously unknown historic, cultural, or archeological remains or artifacts while accomplishing the activity authorized by this permit, they must immediately notify the District Engineer of what they have found, and to the maximum extent practicable, avoid construction activities that may affect the remains and artifacts until the required coordination has been completed. The District Engineer will initiate the Federal, Tribal and state coordination required to determine if the items or remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

e. Federal agencies should follow their own procedures for complying with the requirements of Section 106 NHPA. Along with the application, Federal applicants shall provide USACE with the appropriate documentation to demonstrate compliance with those requirements.

f. Federal and non-federal applicants should coordinate with USACE before conducting any onsite archeological work (reconnaissance, surveys, recovery, etc.) requested by the SHPO or the THPO, as USACE will determine the permit area for the consideration of historic properties based on 33 CFR 325 Appendix C. This is to ensure that work done is in accordance with USACE requirements.

12. Federal Threatened and Endangered Species.

a. No activity is authorized under any GP which: i) is likely to directly or indirectly jeopardize the continued existence of a threatened or endangered species or a species proposed for such designation, as identified under the Federal Endangered Species Act (ESA), or which will directly or indirectly destroy or adversely modify the critical habitat of such species; or ii) “may affect” a listed species or critical habitat, unless ESA section 7 consultation addressing the effects of the proposed activity has been completed; or iii) is “likely to adversely affect” a listed species or critical habitat unless Section 7 consultation has been completed by USACE or another lead action agency in coordination with USACE; or iii) violates the ESA.

b. All prospective permittees shall obtain an Official Species List from the USFWS’s Information for Planning and Consultation (IPAC) found at: <https://ecos.fws.gov/ipac/>. This is applicable to SV eligible and PCN activities.

c. Non-federal permittees must submit a PCN if any listed species or designated critical habitat might be affected or is in the vicinity of the activity, or if the activity is located in designated critical habitat, and shall not begin work on the activity until notified by the district engineer that the requirements of the ESA have been satisfied and that the activity is authorized.

³ The majority of historic properties are not listed on the National Register of Historic Places and may require identification and evaluation by qualified historic preservation and/or archaeological consultants in consultation with USACE and the SHPO and/or THPO.

An activity may remain eligible for SV if the only listed species affected is the northern long-eared bat (*Myotis septentrionalis*), and

- (i) the activity: 1) will not remove trees ≥ 3 inches dbh at any time of the year; or ≤ 10 trees ≥ 3 inches dbh between November 1 – March 31; and 2) is not within the “buffer” of a NLEB hibernacula or maternity roost tree; and 3) does not involve work on bridges or existing riprap associated with dams; or
- (ii) only after Section 7 consultation has been completed by USACE under the 4(d) Rule Streamlined Consultation.

d. Federal agencies shall follow their own procedures for complying with the requirements of the ESA while ensuring that USACE and any other federal action agencies are included in the consultation process.

e. Non-federal representatives designated by USACE to conduct informal consultation or prepare a biological assessment shall follow the requirements in the designation document(s) and the ESA. Non-federal representatives shall also provide USACE with the appropriate documentation to demonstrate compliance with those requirements. USACE will review the documentation and determine whether it is sufficient to address ESA compliance for the GP activity, or whether additional ESA consultation is necessary.

f. The requirements to comply with Section 7 of the ESA may be satisfied by a programmatic agreement (PA) or programmatic consultation (PC) with USACE, the New England District, or another federal agency. New England District PAs and PCs are found at:

www.nae.usace.army.mil/Missions/Regulatory

13. Navigation.

a. No activity may cause more than a minimal adverse effect on navigation.

b. Any safety lights and signals prescribed by the U.S. Coast Guard, through regulations must be installed and maintained at the permittee's expense on authorized facilities in navigable WOTUS.

c. Any structure or work that extends closer to the horizontal limits of any USACE FNP than a distance of three times the project's authorized depth shall be subject to removal at the owner's expense prior to any future USACE dredging or the performance of periodic hydrographic surveys. This is applicable to SV eligible and PCN activities.

d. There shall be no unreasonable interference with navigation by the existence or use of the activity authorized herein, and no attempt shall be made by the permittee to prevent the full and free use by the public of all navigable waters at or adjacent to the activity authorized herein.

e. The permittee understands and agrees that if future U.S. operations require the removal, relocation, or other alteration of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from USACE, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the U.S. No claim shall be made against the U.S. on account of any such removal or alteration.

f. A PCN is required for all work in, over or under an FNP or its buffer zone unless otherwise indicated in Section III as the work may also require a Section 408 permit.

14. Heavy Equipment in Wetlands. Operating heavy equipment (drill rigs, fixed cranes, etc.) within wetlands shall be minimized, and such equipment shall not be stored, maintained or repaired in wetlands, to the maximum extent practicable. Where construction requires heavy equipment operation in wetlands, the equipment shall: a) have low ground pressure (typically <3

psi); b) be placed on swamp/construction/timber mats (herein referred to as “construction mats” or “mats”) that are adequate to support the equipment in such a way as to minimize disturbance of wetland soil and vegetation; or c) be operated on adequately dry or frozen wetlands such that shear pressure does not cause subsidence of the wetlands immediately beneath equipment and upheaval of adjacent wetlands. Construction mats are to be placed in the wetland from the upland or from equipment positioned on swamp mats if working within a wetland. Construction mats should be carried, and not dragged, into position, where feasible. Other support structures that are capable of safely supporting equipment may be used with written USACE authorization. Similarly, the permittee may request written authorization from USACE to waive use of mats during frozen or dry conditions. An adequate supply of spill containment equipment shall be maintained on site. Construction mats should be managed in accordance with the following construction mat best management practices:

- Mats should be in good condition to ensure proper installation, use and removal.
- Where feasible, mats should be carried and not dragged unless they are being used as a grading implement.
- Where feasible, place mats in a location that would minimize the amount needed for the wetland crossing.
- Minimize impacts to wetland areas during installation, use, and removal.
- Install adequate erosion and sediment controls at approaches to mats to promote a smooth transition to, and minimize sediment tracking onto, mats.
- In most cases, mats should be placed along the travel area so that the individual boards are resting perpendicular to the direction of traffic. No gaps should exist between mats. Mats should be placed far enough on either side of the resource area to rest on firm ground.
- Provide standard construction mat BMP details to work crews.
- Construction mats shall be thoroughly cleaned before re-use to minimize spread of invasive species.

15. Temporary Fill.

a. Temporary fill, construction mats and corduroy roads shall be entirely removed as soon as they are no longer needed to construct the authorized work. Temporary fill shall be placed in its original location or disposed of at an upland site and suitably contained to prevent its subsequent erosion into WOTUS.

b. All temporary fill and disturbed soils shall be stabilized to prevent its eroding into WOTUS where it is not authorized. Work shall include phased or staged development to ensure only areas under active development are exposed and to allow for stabilization practices as soon as practicable. Temporary fill must be placed in a manner that will prevent it from being eroded by expected high flows.

c. Unconfined temporary fill authorized for discharge into WOTUS shall consist of material that minimizes impacts to water quality (e.g. washed stone, stone, etc.).

d. Appropriate measures must be taken to maintain normal downstream flows and minimize flooding to the maximum extent practicable when temporary structures, work, and discharges of dredged or fill material, including cofferdams, are necessary for construction activities, access fills, or dewatering of construction sites. Materials shall be placed in a location and manner that does not adversely impact surface or subsurface water flow into or out of the wetland. Temporary fill authorized for discharge into wetlands shall be placed on geotextile fabric or other appropriate material laid on the pre-construction wetland grade where practicable to minimize impacts and to facilitate restoration to the original grade. Construction mats are excluded from this requirement.

e. Construction debris and/or deteriorated materials shall not be located in WOTUS.

16. Restoration of Wetland Areas.

a. Upon completion of construction, all disturbed wetland areas (the disturbance of these areas must be authorized) shall be stabilized with a wetland seed mix containing only plant species native to New England and shall not contain any species listed in the “Invasive and Other Unacceptable Plant Species” Appendix D in the “New England District Compensatory Mitigation Guidance” found at <http://www.nae.usace.army.mil/Missions/Regulatory/Mitigation.aspx>.

b. The introduction or spread of invasive plant species in disturbed areas shall be controlled. If construction mats are to be used, they shall be thoroughly cleaned before re-use.

c. In areas of authorized temporary disturbance, if trees are cut they shall be cut at or above ground level and not uprooted in order to prevent disruption to the wetland soil structure and to allow stump sprouts to revegetate the work area, unless otherwise authorized.

d. Wetland areas where permanent disturbance is not authorized shall be restored to their original condition and elevation, which under no circumstances shall be higher than the pre-construction elevation. Original condition means careful protection and/or removal of existing soil and vegetation, and replacement back to the original location such that the original soil layering and vegetation schemes are approximately the same, unless otherwise authorized.

17. Bank Stabilization. Projects involving construction or reconstruction/maintenance of bank stabilization structures within USACE jurisdiction should be designed to minimize environmental effects, effects to neighboring properties, scour, etc. to the maximum extent practicable. For example, vertical bulkheads should only be used in situations where reflected wave energy can be tolerated. This generally eliminates bodies of water where the reflected wave energy may interfere with or impact on harbors, marinas, or other developed shore areas. A revetment is sloped and is typically employed to absorb the direct impact of waves more effectively than a vertical seawall. It typically has a less adverse effect on the beach in front of it, abutting properties and wildlife.

18. Soil Erosion and Sediment Controls.

a. Appropriate soil erosion and sediment controls⁴ (hereinafter referred to as “controls”) must be used and maintained in effective operating condition during construction, and all exposed soil and other fills, as well as any work below the OHWM, must be permanently stabilized at the earliest practicable date. Permittees are encouraged to perform work within WOTUS during periods of low-flow or no-flow. Areas of temporary fill and/or cofferdams must be included in total waterway/wetlands impacts to determine applicability of the GPs.

b. No dewatering shall occur with direct discharge to waters or wetlands. Excess water in isolated work areas shall be pumped or directed to a sedimentation basin, tank or other dewatering structures in an upland area adequately separated from waters or wetlands where suspended solids shall be removed prior to discharge back into waters or wetlands. All discharge points back into waters and wetlands shall use appropriate energy dissipaters and erosion and sedimentation control BMPs.

c. Temporary controls shall be removed upon completion of work, but not until all exposed soil and other fills, as well as any work waterward of the OHWM, are permanently stabilized at the

⁴ Appropriate soil erosion, sediment and turbidity controls include cofferdams, bypass pumping around barriers immediately up and downstream of the work footprint (i.e., dam and pump), installation of sediment control barriers (i.e., silt fence, vegetated filter strips, geotextile silt fences, filter tubes, erosion control mixes, hay bales or other devices) downhill of all exposed areas, stream fords, retention of existing vegetated buffers, application of temporary mulching during construction, phased construction, and permanent seeding and stabilization, etc.

earliest practicable date. Sediment and debris collected by these devices shall be removed and placed at an upland location in a manner that will prevent its later erosion into a waterway or wetland. Controls may be left in place if they are biodegradable, and flows and aquatic life movements are not disrupted.

d. The material within sandbags shall not be released during their removal, and trenches must be backfilled as soon as practicable to reduce turbidity impact duration.

19. Aquatic Life Movements and Management of Water Flows.

a. No activity may substantially disrupt the necessary life cycle movements of those species of aquatic life indigenous to the waterbody, including those species that normally migrate through the area, unless the activity's primary purpose is to impound water. Unless otherwise stated, activities permanently impounding water in a stream require a PCN to ensure impacts to aquatic life species are avoided and minimized. All permanent and temporary crossings of waterbodies and wetlands shall be:

- i. Suitably culverted, bridged, or otherwise designed and constructed to maintain low flows to sustain the movement of aquatic species; and
- ii. Properly aligned and constructed to prevent bank erosion or streambed scour both adjacent to and inside the crossing.

b. To avoid adverse impacts on aquatic organisms, the low flow channel/thalweg shall remain unobstructed during periods of low flow, except when it is necessary to perform the authorized work.

c. To the maximum extent practicable, the pre-construction course, condition, capacity, and location of open waters must be maintained for each activity, including stream channelization and storm water management activities. The activity must be constructed to withstand expected high flows. The activity shall not restrict or impede the passage of normal or high flows, unless the primary purpose of the activity is to impound water or manage high flows. The activity may alter the preconstruction course, condition, capacity, and location of open waters if it benefits the aquatic environment (e.g., stream restoration or relocation activities).

d. Activities that temporarily or permanently impact upstream or downstream flood conditions require a PCN.

20. Waterway/Wetland Work and Crossings.

a. All permanent crossings of rivers, streams, brooks, etc. (hereon referred to as "streams") shall meet the following performance standards in order to qualify for SV:

- i. Design the structure to maintain a streambed composition and form throughout the culvert similar to and continuous with the adjacent reaches. To do this:
 - Design and install streambed material and bedforms if not adequately supplied and developed naturally,
 - Design profile and alignment through structure similar to those of adjacent stream reaches,
 - Design culvert elevation to remain embedded for the life of the structure and in consideration of future channel conditions.
- ii. Maintain velocities, turbulence and depths within the structure similar to those found in adjacent stream reaches across a range of desired flows.

b. The requirements to comply with the performance standards in GC 20a. above in order to proceed as a SV project do not apply to the following:

- i. Temporary crossings in place for less than 90 days. Temporary culverts must be embedded unless they're installed during low flow (July 1 – October 1) and it's placed on geotextile fabric laid on the stream bed to ensure restoration to the original grade.

c. Applicants proposing new crossings, or maintenance or replacement of serviceable crossings should refer to the Guidelines for the Design of Stream/Road Crossings for Passage of Aquatic Organisms in Vermont.

d. Applicants shall use the least intrusive and environmentally damaging method to construct the stream crossing, following this sequential minimization process: bridge spans, open bottom arches or embedded culverts.

e. Permanent and temporary crossings of waterbodies and wetlands shall be installed in such a manner as to preserve hydraulic and ecological connectivity, on either side of the crossing. The permittee shall take necessary measures to correct wetland damage due to lack of hydraulic connectivity.

f. Projects using retrofit methods increasing flow velocity or slip lining (retrofitting an existing culvert by inserting a smaller diameter pipe) require a PCN, either as new or maintenance activities.

g. No projects involving open trench excavation in flowing waters, except riprap installation, are allowed under SV. Open trench excavation projects may qualify for SV provided (1) the work doesn't occur in flowing waters (requires using management techniques such as temporary flume pipes, culverts, cofferdams, etc.) and (2) normal flows are maintained upstream and downstream of the project area.

h. For projects that otherwise meet the terms of SV, in-stream construction work shall be conducted only during the low flow period of July 1 to October 1 in any year. Projects that are conducted outside that time period require a PCN, regardless of the waterway and/or wetland impact area.

21. Discharge of Pollutants. All activities involving any discharge of pollutants into WOTUS authorized under these GPs shall comply with applicable water quality standards, effluent limitations, standards of performance, prohibitions, and pretreatment standards and management practices established pursuant to the CWA (33 U.S.C. 1251), and applicable state and local laws. If applicable water quality standards, limitations, etc., are revised or modified during the term of this permit, the authorized work shall be modified to conform with these standards within 6 months of the effective date of such revision or modification, or within a longer period of time deemed reasonable by the District Engineer in consultation with the Regional Administrator of the EPA. Applicants may presume that State Water Quality Standards are met with the issuance of a 401 WQC or waiver (Applicable only to the Section 404 activity).

22. Spawning, Breeding, and Migratory Areas.

a. Jurisdictional activities and impacts such as excavations, discharges of dredged or fill material, and/or suspended sediment producing activities in jurisdictional waters that provide value as fish migratory areas, fish and shellfish spawning or nursery areas, or amphibian and migratory bird breeding areas, during spawning or breeding seasons shall be avoided and minimized to the maximum extent practicable.

b. Jurisdictional activities in WOTUS that provide value as breeding areas for migratory birds must be avoided to the maximum extent practicable. The permittee is responsible for obtaining any "take" permits required under the USFWS's regulations governing compliance with the Migratory Bird Treaty Act or the Bald and Golden Eagle Protection Act. The permittee should contact the appropriate local office of the USFWS to determine if such "take" permits are required for a particular activity.

23. Storage of Seasonal Structures. Seasonal or recreational structures such as pier sections, floats, etc., that are removed from the waterway for a portion of the year shall be stored in an upland location, located above the OHWM and not in wetlands.

24. Environmental Functions and Values. The permittee shall make every reasonable effort to carry out the construction or operation of the work authorized herein in a manner that minimizes any adverse impacts on existing fish, wildlife, and the environmental functions to the extent practicable. The permittee will discourage the establishment or spread of plant species identified as non-native invasive species by any federal or state agency.

25. Vernal Pools.

a. On projects requiring a PCN, vernal pools must be identified on the plan showing aquatic resource delineations.

b. A PCN is required if a discharge of dredged or fill material is proposed in a vernal pool located within WOTUS.

c. Adverse impacts to vernal pools, vernal pool envelopes, and critical terrestrial habitats should be avoided and minimized to the maximum extent practicable.

d. GC 25(b) and (c) do not apply to projects that are within a municipality that meets the provisions of a USACE-approved VP Special Area Management Plan (VP SAMP) and are otherwise eligible for SV, and the applicant meets the requirements to utilize the VP SAMP.

26. Invasive Species. The introduction, spread, or the increased risk of invasion of invasive plant or animal species on the project site, into new or disturbed areas, or areas adjacent to the project site caused by the site work shall be avoided. Hence, swamp and timber mats and construction equipment shall be thoroughly cleaned before reuse/relocation.

27. Permit/Authorization Letter On-Site. For PCN projects, the permittee shall ensure that a copy of these GPs and the accompanying authorization letter are at the work site (and the project office) whenever work is being performed, and that all personnel with operational control of the site ensure that all appropriate personnel performing work are fully aware of its terms and conditions. The entire permit authorization shall be made a part of any and all contracts and sub-contracts for work that affect areas of USACE jurisdiction at the site of the work authorized by these GPs. This shall be achieved by including the entire permit authorization in the specifications for work. The term "entire permit authorization" means these GPs, including general conditions and the authorization letter (including its drawings, plans, appendices and other attachments), and also includes permit modifications. If the authorization letter is issued after the construction specifications, but before receipt of bids or quotes, the entire permit authorization shall be included as an addendum to the specifications. If the authorization letter is issued after receipt of bids or quotes, the entire permit authorization shall be included in the contract or sub-contract as a change order. Although the permittee may assign various aspects of the work to different contractors or sub-contractors, all contractors and sub-contractors shall be obligated by contract to comply with all environmental protection provisions contained within the entire authorization letter, and no contract or sub-contract shall require or allow unauthorized work in areas of USACE jurisdiction.

28. Inspections. The permittee shall allow USACE to make periodic inspections at any time deemed necessary in order to ensure that the work is being or has been performed in accordance with the terms and conditions of this permit. To facilitate these inspections, the permittee shall complete and return the Work Start Notification Form and the Compliance Certification Form to

USACE when provided with a PCN verification letter. The USACE may also require post-construction engineering drawings for completed work or post-dredging survey drawings for any dredging work.

29. Maintenance. The permittee shall maintain the activity authorized by these GPs in good condition and in conformance with the terms and conditions of this permit. This does not include maintenance of dredging projects. Maintenance dredging is subject to the review thresholds in General Permit 7 in Appendix A, as well as any conditions included in a written USACE authorization. Maintenance dredging includes only those areas and depths previously authorized and dredged. Some maintenance activities may not be subject to regulation under Section 404 in accordance with 33 CFR 323.4(a)(2).

30. Property Rights. Per 33 CFR 320.4(g)(6), these GPs do not convey any property rights, either in real estate or material, or any exclusive privileges, nor does it authorize any injury to property or invasion of rights or any infringement of federal, state, or local laws or regulations.

31. Transfer of GP Verifications. If the permittee sells the property associated with a GP verification, the permittee may transfer the GP verification to the new owner by submitting a letter to USACE to validate the transfer. A copy of the GP verification shall be attached to the letter, the letter shall contain the name, address, phone number and email of the transferee (new owner), shall include the following statement and signature, and be emailed to cenae-r-vt@usace.army.mil or mailed to: U.S. Army Corps of Engineers, Vermont Project Office, 11 Lincoln Street, Room 210, Essex Junction, Vermont 05452.

When the structures or work authorized by this general permit are still in existence at the time the property is transferred, the terms and conditions of this general permit, including any special conditions, will continue to be binding on the new owner(s) of the property. To validate the transfer of this general permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

_____(Transferee Printed Name)
_____(Transferee Signature)
_____(Date)

32. Modification, Suspension, and Revocation. These GPs and any individual authorizations issued thereof may be modified, suspended, or revoked in whole or in part pursuant to the policies and procedures of 33 CFR 325.7, and any such action shall not be the basis for any claim for damages against the United States.

33. Special Conditions. The USACE may impose other special conditions on a project authorized pursuant to these GPs that are determined necessary to minimize adverse navigational and/or environmental effects or based on any other factor of the public interest. These may be based on concerns from the VT ANR, SHPO, THPO or a Federal resource agency. Failure to comply with all conditions of the authorization, including special conditions, will constitute a permit violation and may subject the permittee to criminal, civil, or administrative penalties and/or restoration.

34. False or Incomplete Information. If USACE makes a determination regarding the eligibility of a project under this permit and subsequently discovers that it has relied on false, incomplete, or inaccurate information provided by the permittee, the authorization will not be valid, and the U.S. government may institute appropriate legal proceedings.

35. Abandonment. If the permittee decides to abandon the activity authorized under this GP, unless such abandonment is merely the transfer of property to a third party, he/she may be required to restore the area to the satisfaction of USACE.

36. Enforcement cases. These GPs do not apply to any existing or proposed activity in USACE jurisdiction associated with an ongoing USACE or EPA enforcement action, until such time as the enforcement action is resolved or USACE determines that the activity may proceed independently without compromising the enforcement action.

37. Water Quality. Applicants shall satisfy any conditions imposed by the State of Vermont and EPA, where applicable, in their Clean Water Act Section 401 WQC for these GPs, or in any Individual Section 401 WQC. See Section V. for state-specific contact information and to determine if any action is required to obtain a 401 WQC. USACE may require additional water quality management measures to ensure that the authorized activity does not cause or contribute to a violation of water quality standards. All projects authorized by these GPs shall be designed, constructed and operated to minimize or eliminate the discharge of pollutants.

38. Duration of Authorization.

a. These GPs expire five years from the date issued as listed at the top of the cover sheet. Activities authorized by these GPs that have either commenced (i.e., are under construction) or are under contract to commence in reliance upon this authorization will have an additional year from the expiration date to complete the work. The permittee must be able to document to USACE's satisfaction that the project was under construction or under contract by the expiration date of these GPs. If work is not completed within the one-year extended timeframe, the permittee must contact USACE. The USACE may issue a new authorization, provided the project meets the terms and conditions of the GPs in effect at the time.

b. Activities authorized under these GPs will remain authorized until the GPs expire, unless discretionary authority has been exercised on a case-by-case basis to modify, suspend, or revoke the authorization in accordance with 33 CFR 325.2(e)(2). Activities completed under the SV or PCN authorizations of these GPs will continue to be authorized after its expiration date.

V. CONTACTS FOR VERMONT GENERAL PERMITS

1. Federal

U.S. Army Corps of Engineers

New England District, Regulatory Division
Vermont Project Office
11 Lincoln Street, Room 210
Essex Junction, Vermont 05452
(802) 872-2893, (802) 879-7638 fax
www.nae.usace.army.mil/missions/regulatory
cenae-r-vt@usace.army.mil

U.S. Environmental Protection Agency

5 Post Office Square, Suite 100
Boston, Massachusetts 02109
(617) 918-1692

U.S. Fish and Wildlife Service

70 Commercial Street, Suite 300
Concord, New Hampshire 03301-5087
(603) 223-2541

National Park Service

North Atlantic Region
15 State Street
Boston, Massachusetts 02109
(617) 223-5203

2. Historic Resources

State Historic Preservation Officer
Division for Historic Preservation
National Life Building
Drawer 20
Montpelier, Vermont 05620-0501
(802) 828-3211

Tribal Historic Preservation Officer
c/o Stockbridge-Munsee Community
86 Spring Street
Williamstown, Massachusetts 01267
(413) 884-6048
Area of concern: Addison, Rutland and
Bennington Counties
thpo@mohican-nsn.gov

Tribal Historic Preservation Officer
c/o Wampanoag Tribe of Gay Head (Aquinnah)
20 Black Brook Road
Aquinnah, Massachusetts 02535
(508) 645-9265 THPO@wampanoagtribe-nsn.gov
Area of Concern: All Vermont counties except Addison, Rutland and Bennington

3. Vermont Agency of Natural Resources

Department of Environmental Conservation

Wetlands Program
Watershed Management Division
1 National Life Drive, Main 2
Montpelier, VT 05620-3522

Department of Environmental Conservation

River Management Program
Watershed Management Division
1 National Life Drive, Main 2
Montpelier, VT 05620-3522

Department of Environmental Conservation

Lakes and Ponds Program
Watershed Management Division
1 National Life Drive, Main 2
Montpelier, VT 05620-3522

Department of Environmental Conservation

Dam Safety Program
Facilities Engineering Division
1 National Life Drive, Main 2
Montpelier, VT 05620-3522

Vermont Department of Fish & Wildlife

1 National Life Drive, Main 2
Montpelier, VT 05620-3522

State endangered species

Vermont Department of Fish & Wildlife

Nongame and Natural Heritage Program
1 National Life Drive, Main 2
Montpelier, VT 05620-3522

VI. DEFINITIONS

Action Area: The “Endangered Species Consultation Handbook – Procedures for Conducting Consultation and Conference Activities Under Section 7 of the ESA,” defines action area as “all areas to be affected directly or indirectly by the federal action and not merely the immediate area involved in the action. [50 CFR 402.02].”

Artificial Reef: A structure which is constructed or placed in waters for the purpose of enhancing fishery resources and commercial and recreational fishing opportunities.

Attendant Features: Occurring with or as a result of; accompanying.

Biodegradable: A material that decomposes into elements found in nature within a reasonably short period of time and will not leave a residue of plastic or a petroleum derivative in the environment after degradation. In contrast, degradable plastics break down into plastic fragments that remain in the environment after degradation. Examples of biodegradable materials include jute, sisal, cotton, straw, burlap, coconut husk fiber (coir) or excelsior. In contrast, degradable plastics break down into plastic fragments that remain in the environment after degradation. Photodegradable, UV degradable or Oxo- (bio)degradable plastics are not considered biodegradable under this GP.

Boating facilities: These provide, rent, or sell mooring space, such as marinas, boat/yacht clubs, boat yards, dockominiums, town facilities, etc. Not classified as boating facilities are piers shared between two abutting properties or town mooring fields that charge an equitable user fee based on the actual costs incurred.

Compensatory mitigation: The restoration (reestablishment or rehabilitation), establishment (creation), enhancement, and/or, in certain circumstances, preservation of aquatic resources for the purposes of offsetting unavoidable adverse impacts which remain after all appropriate and practicable avoidance and minimization has been achieved.

Construction mats: Construction, swamp and timber mats (herein referred to as “construction mats”) are generic terms used to describe structures that distribute equipment weight to prevent wetland damage while facilitating passage and providing work platforms for workers and equipment. They are comprised of sheets or mats made from a variety of materials in various sizes. A timber mat consists of large timbers bolted or cabled together.

Currently serviceable: Useable as is or with some minor maintenance, but not so degraded as to essentially require reconstruction.

Direct effects: The loss of aquatic ecosystem within the footprint of the discharge of dredged or fill material. Direct effects are caused by the action and occur at the same time and place.

Dredged material and discharge of dredged material: These are defined at 33 CFR 323.2(c) and (d). The term “dredged material” means material that is excavated or dredged from waters of the United States.

Discharge: The term “discharge” means any discharge of dredged or fill material into waters of the United States.

Enhancement: The manipulation of the physical, chemical, or biological characteristics of an aquatic resource to heighten, intensify, or improve a specific aquatic resource function(s). Enhancement results in the gain of selected aquatic resource function(s), but may also lead to a decline in other aquatic resource function(s). Enhancement does not result in a gain in aquatic resource area.

Ephemeral stream: A stream with flowing water only during, and for a short duration after, precipitation events in a typical year. Ephemeral stream beds are located above the water table year-round. Groundwater is not a source of water for the stream. Runoff from rainfall is the primary source of water for stream flow.

Establishment (creation): The manipulation of the physical, chemical or biological characteristics present to develop an aquatic resource that did not previously exist at an upland site. Establishment results in a gain in aquatic resource area.

Expansions: Work that increases the footprint of fill, depth of basin or drainage feature, structures or floats, or slip capacity.

Fill material & discharge of fill material: These are defined at 33 CFR 323.2(e) and (f). The term fill material is defined as material placed in WOTUS where the material has the effect of either replacing any portion of a water of the U.S. with dry land or changing the bottom elevation of any portion of a water of the U.S.

Federal navigation projects (FNPs): These areas are maintained by USACE, authorized, constructed and maintained on the premise that they will be accessible and available to all on equal terms. They are comprised of USACE Federal anchorages, Federal channels and Federal turning basins. The following are FNPs in VT, and more information, including the limits, is provided at www.nae.usace.army.mil/missions/navigation and www.nan.usace.army.mil/Missions/Civil-Works/:

- Burlington Harbor
- Channel Between the North and South Hero Islands
- Gordons Landing
- Narrows of Lake Champlain
- Otter Creek
- St. Albans Harbor
- Swanton Harbor

Flume: An open artificial water channel, in the form of a gravity chute that leads water from a diversion dam or weir completely aside a natural flow. A flume can be used to measure the rate of flow.

Historic Property: Any prehistoric or historic district, site (including archaeological site), building, structure, or other object included in, or eligible for inclusion in, the National Register of Historic Places maintained by the Secretary of the Interior. This term includes artifacts, records, and remains that are related to and located within such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian organization and that meet the National Register criteria (36 CFR 60).

Independent utility: A test to determine what constitutes a single and complete non-linear project in the USACE regulatory program. A project is considered to have independent utility if it would be constructed absent the construction of other projects in the project area. Portions of a multi-phase project that depend upon other phases of the project do not have independent utility. Phases of a project that would be constructed even if the other phases were not built can be considered as separate single and complete projects with independent utility.

Indirect effects: Effects that are caused by the activity and are later in time or farther removed in distance, but are still reasonably foreseeable.

Individual Permit: A Department of the Army authorization that is issued following a case-by-case evaluation of a specific structure or work in accordance with the procedures of 33 CFR 322, or a specific project involving the proposed discharge(s) in accordance with the procedures of 33 CFR 323, and in accordance with the procedures of 33 CFR 325 and a determination that the proposed discharge is in the public interest pursuant to 33 CFR 320.

Intermittent stream: A stream with flowing water during certain times of the year, when groundwater provides water for stream flow. During dry periods, intermittent streams may not have flowing water. Runoff from rainfall is a supplemental source of water for stream flow.

Maintenance: Maintenance does not include any modification that changes the character, scope, or size of the original fill design.

Mechanized land clearing: Land clearing activities using mechanized equipment such as backhoes or bulldozers with sheer blades, rakes or discs constitute point source discharges and are subject to section 404 jurisdiction when they take place in wetlands or waters of the U.S (Regulatory Guidance Letter 90-05).

Minor deviations: Deviations in the structure's configuration or filled area, including those due to changes in materials, construction techniques, or current construction codes or safety standards, which are necessary to make repair, rehabilitation, or replacement are permitted, provided the adverse environmental effects resulting from such repair, rehabilitation, or replacement are minimal.

Navigable waters of the United States: These are a subset of WOTUS and are defined at 33 CFR 329. The jurisdictional limits (33 CFR 329.11) extend laterally to the entire water surface and bed of a navigable waterbody, which include all the land and waters below OHWM. Jurisdiction thus extends to the edge (as determined above) of all such waterbodies, even though portions of the waterbody may be extremely shallow or obstructed by shoals, vegetation or other barriers. Marshlands and similar areas are thus considered navigable in law, but only so far as the area is subject to inundation by the ordinary high waters. In Vermont these waters are: the Connecticut River, Lake Champlain, Lake Memphremagog, Wallace Pond, Ompompanoosuc River (to mile 3.8), Waits River (to mile 0.9), the Black River (mouth to mile 25 in Craftsbury), the Battenkill River (to mile 50 in Manchester), the Lamoille River (mouth to mile 79 in Greensboro), the Missisquoi River (including the North Branch, from the mouth to mile 88.5 in Lowell), Otter Creek (mouth to mile 63.8 in Procter), Winooski River (mouth to Marshfield), Moose River (from Passumpsic River to the Victory Town Line), Nulhegan River (mouth to its source including the East Branch, the Black Branch and the Yellow Branch), Paul Stream (mouth to the source), East Branch of the Passumpsic River (from the confluence with the Passumpsic River to East Haven), Passumpsic River (mouth to confluence with the East Branch), White River (mouth to its source), Wells River (mouth to Groton Pond).

Ordinary High Water Mark (OHWM): A line on the shore established by the fluctuations of water and indicated by physical characteristics, or by other appropriate means that consider the characteristics of the surrounding areas. See 33 CFR 328.3(e).

Perennial stream: A stream with flowing water year-round during a typical year. The water table is located above the stream bed for most of the year. Groundwater is the primary source of water for stream flow. Runoff from rainfall is a supplemental source of water for stream flow.

Practicable: Available and capable of being done after taking into consideration cost, existing technology, and logistics in light of overall project purposes.

Permanent impacts: Permanent impacts means WOTUS that are permanently affected by filling, flooding, excavation, or drainage because of the regulated activity. Permanent impacts include permanent discharges of dredged or fill material that change an aquatic area to dry land, increase the bottom elevation of a waterbody, or change the use of a waterbody.

Preservation: The removal of a threat to, or preventing the decline of, aquatic resources by an action in or near those aquatic resources. This term includes activities commonly associated with the protection and maintenance of aquatic resources through the implementation of appropriate legal and physical mechanisms. Preservation does not result in a gain of aquatic resource area or functions.

Re-establishment: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to a former aquatic resource. Reestablishment results in rebuilding a former aquatic resource and results in a gain in aquatic resource area and functions.

Rehabilitation: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of repairing natural/historic functions to a degraded aquatic resource.

Rehabilitation results in a gain in aquatic resource function, but does not result in a gain in aquatic resource area.

Restoration: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to a former or degraded aquatic resource. For the purpose of tracking net gains in an aquatic resource area, restoration is divided into two categories: reestablishment and rehabilitation.

Secondary effects: These are effects on an aquatic ecosystem that are associated with a discharge of dredged or fill materials, but do not result from the actual placement of the dredged or fill material. Information about secondary effects on aquatic ecosystems shall be considered prior to the time final Section 404 action is taken by permitting authorities. Some examples of secondary effects on an aquatic ecosystem are a) aquatic areas drained, flooded, fragmented, or mechanically cleared, b) fluctuating water levels in an impoundment and downstream associated with the operation of a dam, c) septic tank leaching and surface runoff from residential or commercial developments on fill, and d) leachate and runoff from a sanitary landfill located in WOTUS See 40 CFR 230.11(h).

Special aquatic sites (SAS): These include inland wetlands, mud flats, vegetated shallows (submerged aquatic vegetation), and riffle and pool complexes. These are defined at 40 CFR 230.3 and listed in 40 CFR 230 Subpart E.

Streambed: The substrate of the stream channel between the OHW marks. The substrate may be bedrock or inorganic particles that range in size from clay to boulders. Wetlands contiguous to the streambed, but outside of the OHW marks, are not considered part of the streambed.

Stream channelization: The manipulation of a stream's course, condition, capacity, or location that causes more than minimal interruption of normal stream processes. A channelized stream remains a water of the United States.

Structure: An object that is arranged in a definite pattern of organization. Examples of structures include, without limitation, any pier, boat dock, boat ramp, wharf, dolphin, weir, boom, breakwater, bulkhead, revetment, riprap, jetty, artificial island, artificial reef, permanent mooring structure, power transmission line, permanently moored floating vessel, piling, aid to navigation, or any other manmade obstacle or obstruction.

Temporary impacts: Temporary impacts include, but are not limited to, WOTUS that are temporarily filled, flooded, excavated, drained or mechanically cleared because of the regulated activity.

Utility Line: Any pipe or pipeline for the transportation of any gaseous, liquid, liquescent, or slurry substance, for any purpose, and any cable, line, or wire for the transmission for any purpose of electrical energy, telephone, data, and telegraph messages, and radio and television communication. The term "utility line" does not include activities that drain a water of the U.S., such as drainage tile or French drains, but it does apply to pipes conveying drainage from another area.

Vegetated shallows: Permanently inundated areas that under normal circumstances support communities of rooted aquatic vegetation in rivers and lakes. Note: These areas are also commonly referred to as submerged aquatic vegetation (SAV).

Vernal pools (VPs): For the purposes of these GPs, VPs are depressional wetland basins that typically go dry in most years and may contain inlets or outlets, typically of intermittent flow. Vernal pools range in both size and depth depending upon landscape position and parent material(s). In most years, VPs support one or more of the following obligate indicator species: wood frog, spotted salamander, blue-spotted salamander, marbled salamander, Jefferson's salamander and fairy shrimp. However, they should preclude sustainable populations of predatory fish.

Water diversions: Water diversions are activities such as bypass pumping (e.g., “dam and pump”) or water withdrawals. Temporary flume pipes, culverts or cofferdams where normal flows are maintained within the stream boundary’s confines aren’t water diversions. “Normal flows” are defined as no change in flow from pre-project conditions.

Weir: A barrier across a river designed to alter the flow characteristics. In most cases, weirs take the form of a barrier, smaller than most conventional dams, across a river that causes water to pool behind the structure (not unlike a dam) and allows water to flow over the top. Weirs are commonly used to alter the flow regime of the river, prevent flooding, measure discharge and help render a river navigable.

Waters of the United States (WOTUS): Waters of the United States are defined in 33 CFR 328.3. These waters include more than navigable WOTUS and are the waters where permits are required for the discharge of dredged or fill material pursuant to Section 404 of the Clean Water Act. WOTUS include jurisdictional wetlands.



State of Vermont

Agency of Transportation

To: Nick Van Den Berg, Materials & Certifications Manager, AOT Chief Engineer's Office

From: Ben Tietze, Traffic Design Engineer, Traffic Signal SME
Derek Lyman, State Signal & ITS Engineer

DS
BT DL

Date: April 16, 2024

Subject: Global Public Interest Finding (GPIF) for Econolite Traffic Signal Products

Reason that a Patented or Proprietary Product or Process is Required:

In 2017, the Vermont Agency of Transportation procured and installed a centralized Advanced Transportation Management System (ATMS), Econolite Centrac. To utilize all system functionalities to their fullest efficiencies, Econolite and/or EDI (an Econolite re-brand) field products should be installed at all new traffic signal system locations.

Product or Process Description:

The Econolite Centrac system is designed and operated such that traffic signals can be interconnected to provide communications between other signal systems but also to Traffic Management Center in Berlin or at the Traffic Signal Operations' remote location, 24 hours a day, 7 days a week. The system can, and continues to be, accessed remotely where operators can monitor and maintain system health, respond to non-physical incidents such as timing and phasing failures, and to make periodic optimization implementations. The system can also collect and report out system information and real-time traffic data, dependent on the type of vehicle detection present at the individual intersections.

Category B Determination:

To take advantage of all the functionality of the Centrac system, Econolite-branded field products should be installed at traffic signal locations for the Agency's capital program. These field products include but are not limited to: Econolite NEMA TS2-Type 1 P44 Controller Cabinet, Econolite Cobalt TS2-Type 2 Signal Controller with Connected Vehicle Co-Processor, Econolite BIU-64 Bus Interface Unit, Econolite or EDI MMU2-16LEip Malfunction Management Unit, Econolite PS-200 or EDI PS-250 TS2 Power Supply and any successor products released by Econolite or EDI during the life of this GPIF. Vehicle Detection for traffic signal systems is covered under a separate, active, GPIF. Furthermore, using exclusively Econolite products for future systems will keep them compatible with the remaining existing traffic signal system infrastructure, which will allow for easier and more cost-effective maintenance of the entire system given the small number of staff and limited budget allocated to traffic signal maintenance.

Cost:

The estimated cost for this product or process is approximately \$30,000 per assembly.

Effective Period:

This Global PIF may be used for contracts advertised within five years of the date specified above, April 16, 2029. After this time, the products or processes will be re-evaluated by the Agency.

BJT/DLL:mbi

DS
mbl

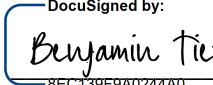
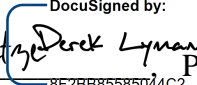
Vermont Agency of Transportation
Global Public Interest Finding Related to Materials Procurement for Multiple Projects

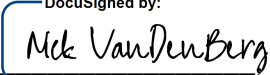
The categories listed below describe the specific conditions under which a patented or proprietary product or process may be authorized. This form contains attachments that document the necessary facts, conditions, and citations to authorize a Global Public Interest Finding for the use of **Econolite-branded Traffic Signal field products** on Agency contracts.

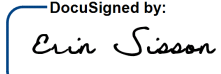
Despite responsible efforts to identify the most competitive material to perform this function, the Agency, through its Subject Matter Experts, has found that the patented or proprietary product or process (check the appropriate box):

- ☐ Category A – is the only product or process available that fulfills the required function; or
- ☒ Category B – is necessary for synchronization with other adjacent resources or existing facilities; or
- ☐ Category C – is being specified for research or experimental evaluation; or
- ☐ Category D – has been shown to be cost effective; or
- ☐ Category E – is for emergency or temporary use and its use is in the interests of public safety.

These findings have been made in accordance with Agency practices, including documentation of the underlying facts compelling the Public Interest Finding.

Recommended by:  
8EC139F9A0244A0... 8F2BB85585044C2... Project Manager or Subject Matter Expert

Approved by: 
57D4DD3560C24C2... Materials and Certifications Manager

Approved by: 
D104F679F55643B..., Chief Engineer's Office



 State of Vermont

 Agency of Transportation

To: Nick Van Den Berg, Materials & Certifications Manager, AOT Chief Engineer's Office

From: Michael LaCroix, Traffic Design Project Manager, Street Lighting SME
 Derek Lyman, Traffic Signal and ITS Manager, Street Lighting SME

Date: September 9, 2024

Subject: Global Public Interest Finding (GPIF) for Cree Roadway Lighting Products

Two digital signature boxes. The first box contains a signature and is labeled "DS" in the top right corner. The second box contains a signature and is also labeled "DS" in the top right corner.

Reason that a Patented or Proprietary Product or Process is Required:

The Vermont Agency of Transportation wishes to increase design and maintenance efficiencies and increase safety to the traveling public by standardizing the type of street lighting used on our roadways. Currently lighting design requires three different designs for each of the luminaires that could be used on a project and then creating a compromise luminaire placement that best meets the guidelines set forth in the VTrans Lighting Guide (2015). This means that the design is never able to optimize luminaire placement to maximize user safety and is always a compromise that meets acceptable limits. Additionally, our operations group who maintains the state lighting system, uses Cree-branded luminaire heads and drivers for ease of use and cost effectiveness. Traffic Signal Operations, who currently manages the state street lighting network, uses exclusively Cree products, and will replace failed luminaires of other types with Cree products.

Product or Process Description:

Cree LEDway and Guideline series lighting is a line of LED street lighting that are in wide use by the Agency in lighting maintenance. They provide a range of products that fit all VTrans intersection lighting designs.

Category D Determination:

To increase design efficiency and produce safer roadway lighting designs for all users, Cree LEDway and Guideline products should be installed to meet any intersection lighting requirements. Furthermore, this will increase efficiencies in maintenance of our roadway lighting network, allowing our Traffic Signal Operations group to already know the equipment that is out there. Cree LEDway and Guideline luminaires are also compatible with remote monitoring technology which could be deployed in the future to monitor outages and determine maintenance needs without a crew needing to deploy.

Cost:

The estimated cost for this product or process is approximately \$1,000 per assembly.

Effective Period:

This Global PIF may be used for contracts advertised within five years of the date specified above, **September 9, 2029**. After this time, the products or processes will be re-evaluated by the Agency.

Vermont Agency of Transportation Global Public Interest Finding Related to Materials Procurement for Multiple Projects

The categories listed below describe the specific conditions under which a patented or proprietary product or process may be authorized. This form contains attachments that document the necessary facts, conditions, and citations to authorize a Global Public Interest Finding for the use of **Cree LEDway and Guideline series and branded street light products** on Agency contracts.

Despite responsible efforts to identify the most competitive material to perform this function, the Agency, through its Subject Matter Experts, has found that the patented or proprietary product or process (check the appropriate box):

- ☐ Category A – is the only product or process available that fulfills the required function; or
- ☒ Category B – is necessary for synchronization with other adjacent resources or existing facilities; or
- ☐ Category C – is being specified for research or experimental evaluation; or
- ☐ Category D – has been shown to be cost effective; or
- ☐ Category E – is for emergency or temporary use and its use is in the interests of public safety.

These findings have been made in accordance with Agency practices, including documentation of the underlying facts compelling the Public Interest Finding.

Recommended by: DocuSigned by:
Michael LaCopp
530983C07EF54F2..., Project Manager or Subject Matter Expert

Recommended by: DocuSigned by:
Derek Lyman
8F2BB85585044C2..., Subject Matter Expert

Approved by: DocuSigned by:
Nick VanDenBerg
57D4DD3560C24C2..., Materials and Certifications Manager

Approved by: DocuSigned by:
Erin Sisson
D104F679F55643B..., Chief Engineer's Office



State of Vermont

Agency of Transportation

To: Nick Van Den Berg, Materials & Certifications Manager, AOT Chief Engineer's Office

From: Ben Tietze, Traffic Design Engineer, Traffic Signal SME
Derek Lyman, Traffic Signal, and ITS Manager

DS DS
BT DL

Date: March 15, 2024

Subject: Global Public Interest Finding (GPIF) for Cisco Networking Equipment

Reason that a Patented or Proprietary Product or Process is Required:

A Vermont Agency of Transportation goal for its traffic signal infrastructure is to develop and maintain remote connectivity to each system. This connectivity is critical to Operations staff assigned to troubleshoot and mitigate issues with the field equipment in instances where physical interaction is not required. This decreases time and mileage involved with traveling to physical sites across the state.

Product or Process Description:

The Cisco Industrial Ethernet 2000 and 3000 series switches are the state standard for network integration. This standard is promulgated upon VTrans from the Agency of Digital Services. The 2000 Series switches are the current standard. However, Cisco has announced that it is discontinuing this series in July 2024 (prior to the expiration of this Global PIF) and the 3000 series switch will replace it.

Category A Determination:

As this network switch is the only switch allowed by the Agency of Digital Services, this Global PIF is determined to meet the requirements of Category A.

Cost:

The estimated cost for this product or process is approximately \$1,500 to \$3,200 per assembly depending on the number of ports required at a signalized intersection.

Effective Period:

This Global PIF may be used for contracts advertised within five years of the date specified above, **March 15, 2029**. After this time, the products or processes will be re-evaluated by the Agency.

BJT/DLL:mbf

DS
ML

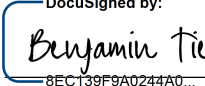
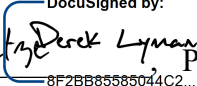
Vermont Agency of Transportation
Global Public Interest Finding Related to Materials Procurement for Multiple Projects

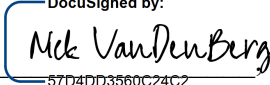
The categories listed below describe the specific conditions under which a patented or proprietary product or process may be authorized. This form contains attachments that document the necessary facts, conditions, and citations to authorize a Global Public Interest Finding for the use of **Cisco IE 2000/3000 Hardened Network Switches** on Agency contracts.

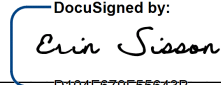
Despite responsible efforts to identify the most competitive material to perform this function, the Agency, through its Subject Matter Experts, has found that the patented or proprietary product or process (check the appropriate box):

- ☒ Category A – is the only product or process available that fulfills the required function; or
- ☐ Category B – is necessary for synchronization with other adjacent resources or existing facilities; or
- ☐ Category C – is being specified for research or experimental evaluation; or
- ☐ Category D – has been shown to be cost effective; or
- ☐ Category E – is for emergency or temporary use and its use is in the interests of public safety.

These findings have been made in accordance with Agency practices, including documentation of the underlying facts compelling the Public Interest Finding.

Recommended by:   Project Manager or Subject Matter Expert
8ECT39F9A0244A0... 8F2BB85585044C2...

Approved by:  Materials and Certifications Manager
57D4DD3560C24C2...


Approved by:  Chief Engineer's Office
4/19/2024 D104F679F55643B...



State of Vermont

Agency of Transportation

To: Matthew Bogaczyk, Highway Safety and Design Program Manager,
Nick Van Den Berg, Materials and Certifications Manager,
Chief Engineer's Office

From: Michael LaCroix, Traffic Design Project Manager 

Date: June 24, 2024

Contract: Colchester HES NH 5600(14)C/2

Subject: Contract Public Interest Finding (CPIF) for Marathon Battery Back-Up System

Project Location:

I-89 Exit 16 in Colchester.

Project Description:

US Routes 2/7 corridor improvements; construction of a diverging diamond interchange.

Reason that a Patented or Proprietary Product or Process is Required:

VTrans operational staff notes that the existing traffic signal systems at these locations are frequently dysfunctional due to power outages, and an abnormal number of lightning strikes. Signal Operations must physically deploy to reset the system every time the system loses power for any length of time. Most outages are short in duration. Installing a battery back-up system cuts down on the number mobilizations maintenance crews must deploy specifically for power outage reasons. Coupled with proposed natural gas-powered backup generators, the battery back-up system will be able to keep the traffic signal fully functional until mainline power is restored or in the event the generator malfunctions.

Product or Process Description:

Marathon Battery Back-Up System (650-Watt) includes Marathon TRTC-0654N1 Track 650, Line-Interactive, True sine-wave, 19" Rack/Shelf Mount 2U UPS, 650VA/650W, 4-Line LCD Display, 24VDC, Anderson Connectors. Marathon TSRC-2003-01 Manual and Automatic Maintenance Bypass Switch for Ruggedized BBS, 19" Rack-Mount, 24VDC, Black, Anderson Connectors. Marathon TBHK-009, Battery Harness Kit for Ruggedized UPS Series, From UPS to Batteries, with disconnects to Individual Battery Jumpers, 24VDC (2 Batteries). 2 MK 8A24 HEI 79ah Batteries. Marathon SNMP-CY54-04, SNMP/Web Card for TRTC Series UPS, NetAgent, Internal, Supports SNMP-V3, Conformal Coated PCB.

Category A Determination:

According to Signal Operations staff, this battery back-up system is the only system that is compatible with the VTrans standard traffic signal system hardware.

Quantity and Cost:

This contract will use approximately 2 of the specified product on this project. The estimated cost for this product is approximately \$3,500 per unit, delivered for this project.

Effective Period:

This Contract PIF will only be effective for the contract identified above.

Vermont Agency of Transportation
Contract Public Interest Finding Related to Materials Procurement for a Project

The categories listed below describe the specific conditions under which a patented or proprietary product or process may be authorized. This form contains attachments that document the necessary facts, conditions, and citations to authorize a Contract Public Interest Finding for the use of **Marathon Battery Back-Up System** on the subject contract.

Despite responsible efforts to identify the most competitive material to perform this function, the Agency, through its Project and Program Managers, has found that the patented or proprietary product or process (check the appropriate box):

- ☒ Category A – is the only product or process available that fulfills the required function; or
- ☐ Category B – is necessary for synchronization with other adjacent resources or existing facilities; or
- ☐ Category C – is being specified for research or experimental evaluation; or
- ☐ Category D – has been shown to be cost effective; or
- ☐ Category E – is for emergency or temporary use and its use is in the interests of public safety.

These findings have been made in accordance with Agency practices, including documentation of the underlying facts compelling the Public Interest Finding.

Recommended by: DocuSigned by:
Michael LaCoy
530983C07EF54F2..., Project Manager

Approved by: DocuSigned by:
Matthew Baggett
EBF18EF36916455..., Program Manager

Approved by: DocuSigned by:
Nick VanDenBerg
57D4DD3560C24C2..., Materials and Certifications Manager

Approved by: DocuSigned by:
Jeremy Reed
BBE658022DA34B7..., Chief Engineer's Office



State of Vermont*Agency of Transportation*

To: Matthew Bogaczyk, Acting Program Manager, Nick Van Den Berg, Materials and Certifications Manager, Chief Engineer's Office

From: Michael LaCroix, Traffic Design Project Manager

DS
A blue ink signature of Michael LaCroix, enclosed in a blue rectangular box with the letters "DS" in the top right corner.

Date: June 14, 2024

Contract: Colchester HES NH 5600(14)C/2

Subject: Contract Public Interest Finding (CPIF) for GTT Opticom Pre-Emption Equipment

Project Location:

The subject project includes reconstruction of US Route 7 from the Winooski/Colchester town line (MM 0.000) to Sunderland Woods Road (MM 1.05) for a total project length of 1.05 miles.

Project Description:

US Routes 2/7 corridor improvements; construction of a diverging diamond interchange.

Reason that a Patented or Proprietary Product or Process is Required:

A limited number of branded emergency traffic signal pre-emption systems are available commercially in the market.

Product or Process Description:

The GTT Opticom emergency traffic signal pre-emption system has the ability to interrupt normal traffic signal operations and give traffic control priority to the intersection approach on which an emergency vehicle is entering the intersection from, providing safe and efficient throughput of the vehicles responding to a public or private emergency event.

Category B Determination:

The GTT Opticom emergency signal pre-emption system is the pre-emption system used on the majority of signalized intersections and on ALL state-owned traffic signal systems in Vermont. This will ensure synchronization with the other signals and increase the connectivity to EMS organizations also utilizing this branded system.

Quantity and Cost:

This contract will use 7 of the specified products on this project. The estimated cost for this product or process is approximately \$140,000 for this project.

Effective Period:

This Contract PIF will only be effective for the contract identified above.

MBL:mb1

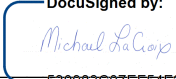
Vermont Agency of Transportation
Contract Public Interest Finding Related to Materials Procurement for a Project

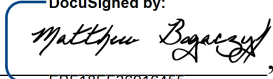
The categories listed below describe the specific conditions under which a patented or proprietary product or process may be authorized. This form contains attachments that document the necessary facts, conditions, and citations to authorize a Contract Public Interest Finding for the use of **GTT Opticom Pre-emption System** on the subject contract.

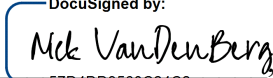
Despite responsible efforts to identify the most competitive material to perform this function, the Agency, through its Project and Program Managers, has found that the patented or proprietary product or process (check the appropriate box):

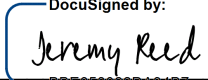
- ☐ Category A – is the only product or process available that fulfills the required function; or
- ☒ Category B – is necessary for synchronization with other adjacent resources or existing facilities; or
- ☐ Category C – is being specified for research or experimental evaluation; or
- ☐ Category D – has been shown to be cost effective; or
- ☐ Category E – is for emergency or temporary use and its use is in the interests of public safety.

These findings have been made in accordance with Agency practices, including documentation of the underlying facts compelling the Public Interest Finding.

Recommended by: , Project Manager
530983C07EF54F2...

Approved by: , Program Manager
EBF18EF36916455...


Approved by: , Materials and Certifications Manager
57D4DD3560C24C2...

Approved by: , Chief Engineer's Office
BBE658022DA34B7...



State of Vermont*Agency of Transportation*

To: Matthew Bogaczyk, Highway Safety and Design Program Manager,
Nick Van Den Berg, Materials and Certifications Manager,
Chief Engineer's Office

From: Michael LaCroix, Traffic Design Project Manager 

Date: June 24, 2024

Contract: Colchester HES NH 5600(14)C/2

Subject: Contract Public Interest Finding (CPIF) for Generac Back-Up Generator Equipment

Project Location:

I-89 Exit 16 in Colchester.

Project Description:

US Routes 2/7 corridor improvements; construction of a diverging diamond interchange.

Reason that a Patented or Proprietary Product or Process is Required:

VTrans operational staff notes that the existing traffic signal systems at these locations are frequently dysfunctional due to power outages, and an abnormal number of lightning strikes. Signal Operations must physically deploy to reset the system every time the system loses power for any length of time. Most outages are short in duration. Installing an electrical generator back-up system cuts down on the number mobilizations maintenance crews must deploy specifically for power outage reasons. Coupled with proposed battery back-up systems, the back-up generator system will be able to keep the traffic signal fully functional until mainline power is restored or in the event the generator malfunctions.

Product or Process Description:

Generac 7171 (or latest model) 10kW Guardian Generator with Wi-Fi, transfer switch, and mounting pad.

Category B Determination:

These natural gas-powered backup generators are identical to ones already utilized by VTrans Traffic Signal Ops and VTrans already has a maintenance agreement for these makes and models of generators.

Quantity and Cost:

This contract will use approximately 2 of the specified product on this project. The estimated cost for this product is approximately \$6,000 per unit, delivered for this project.

Effective Period:

This Contract PIF will only be effective for the contract identified above.

Vermont Agency of Transportation
Contract Public Interest Finding Related to Materials Procurement for a Project

The categories listed below describe the specific conditions under which a patented or proprietary product or process may be authorized. This form contains attachments that document the necessary facts, conditions, and citations to authorize a Contract Public Interest Finding for the use of **Generac Natural Gas-Powered Back-Up System** on the subject contract.

Despite responsible efforts to identify the most competitive material to perform this function, the Agency, through its Project and Program Managers, has found that the patented or proprietary product or process (check the appropriate box):

- ☐ Category A – is the only product or process available that fulfills the required function; or
- ☒ Category B – is necessary for synchronization with other adjacent resources or existing facilities; or
- ☐ Category C – is being specified for research or experimental evaluation; or
- ☐ Category D – has been shown to be cost effective; or
- ☐ Category E – is for emergency or temporary use and its use is in the interests of public safety.

These findings have been made in accordance with Agency practices, including documentation of the underlying facts compelling the Public Interest Finding.

Recommended by: DocuSigned by:
Michael LaCoy
530983C07EF54F2..., Project Manager

Approved by: DocuSigned by:
Matthew Baggett
EBF18EF36916455..., Program Manager


Approved by: DocuSigned by:
Nick VanDenBerg
57D4DD3560C24C2..., Materials and Certifications Manager

Approved by: DocuSigned by:
Jeremy Reed
BBE658022DA34B7..., Chief Engineer's Office



State of Vermont*Agency of Transportation*

To: Matt Bogaczyk, Acting Program Manager, Nick Van Den Berg, Materials and Certifications Manager, Chief Engineer's Office

From: Michael LaCroix, Traffic Design Project Manager  ^{DS}

Date: June 14, 2024

Contract: Colchester HES NH 5600(14)

Subject: Contract Public Interest Finding (CPIF) for Redi-Rock Stamping Styles

Project Location:

In Colchester, along US Routes 2/7 from MM 0.00 to MM 1.05.

Project Description:

Traffic safety and capacity improvements along US 2/7 including reconfiguration of I-89 Exit 16 into a Diverging Diamond Interchange, roadway widening, new traffic signals, sidewalks and shared-use paths, signage, pavement markings and other intersection improvements at South Park Drive, Mountain View Drive, Hercules Drive, and Rathe Road.

Reason that a Patented or Proprietary Product or Process is Required:

The raised islands and retaining walls on the project will have a stamped finished in their concrete material surfaces. The town wishes that the pattern of the concrete finishes matches the existing retaining walls and representative natural exposed ledge strata on the same stretch of roadway.

Product or Process Description:

Redi-Rock brand, has available the "Ledgestone" texture that the town desires.

Category A Determination:

Redi-Rock brand, has the stamping texture identical to the one the town desires.

Quantity and Cost:

No definable quantity can be calculated as it is a specification of the stamped concrete island pay item and retaining wall pay item, and the cost is incidental to the anticipated bid cost of the items proposed.

Effective Period:

This Contract PIF will only be effective for the contract identified above.

Vermont Agency of Transportation
Contract Public Interest Finding Related to Materials Procurement for a Project

The categories listed below describe the specific conditions under which a patented or proprietary product or process may be authorized. This form contains attachments that document the necessary facts, conditions, and citations to authorize a Contract Public Interest Finding for the use of **Redi-Rock LedgeStone** on the subject contract.

Despite responsible efforts to identify the most competitive material to perform this function, the Agency, through its Project and Program Managers, has found that the patented or proprietary product or process (check the appropriate box):

- ☒ Category A – is the only product or process available that fulfills the required function; or
- ☐ Category B – is necessary for synchronization with other adjacent resources or existing facilities; or
- ☐ Category C – is being specified for research or experimental evaluation; or
- ☐ Category D – has been shown to be cost effective; or
- ☐ Category E – is for emergency or temporary use and its use is in the interests of public safety.

These findings have been made in accordance with Agency practices, including documentation of the underlying facts compelling the Public Interest Finding.

Recommended by: DocuSigned by:
Michael LaCarp
530983C07EF54F2..., Project Manager

Approved by: DocuSigned by:
Matthew Baggett
EBF18EF36916455..., Program Manager


Approved by: DocuSigned by:
Nick VanDenBerg
57D4DD3560C24C2... Materials and Certifications Manager

Approved by: DocuSigned by:
Jeremy Reed
BBE658022DA34B7..., Chief Engineer's Office



State of Vermont*Agency of Transportation*

To: Matt Bogaczyk, Acting Program Manager, Nick Van Den Berg, Materials and Certifications Manager, Chief Engineer's Office

From: Michael LaCroix, Traffic Design Project Manager  ^{DS}

Date: June 14, 2024

Contract: Colchester HES NH 5600(14) C/2

Subject: Contract Public Interest Finding (CPIF) for Sika Scofield Concrete Stamping Styles

Project Location:

In Colchester, along US Routes 2/7 from MM 0.00 to MM 1.05.

Project Description:

Traffic safety and capacity improvements along US 2/7 including reconfiguration of I-89 Exit 16 into a Diverging Diamond Interchange, roadway widening, new traffic signals, sidewalks and shared-use paths, signage, pavement markings and other intersection improvements at South Park Drive, Mountain View Drive, Hercules Drive, and Rathe Road.

Reason that a Patented or Proprietary Product or Process is Required:

The raised islands and retaining walls on the project will have a stamped finished in their concrete material surfaces. The town wishes that the color of the concrete finishes matches the existing retaining walls and representative natural exposed ledge strata on the same stretch of roadway.

Product or Process Description:

Scofield, a Sika brand, has available the "Cool Taupe" color that the town desires.

Category A Determination:

Scofield, a Sika brand, has the color identical to the one the town desires.

Quantity and Cost:

No definable quantity can be calculated as it is a specification of the stamped concrete island pay item and retaining wall pay item, and the cost is incidental to the anticipated bid cost of the items proposed.

Effective Period:

This Contract PIF will only be effective for the contract identified above.

Vermont Agency of Transportation
Contract Public Interest Finding Related to Materials Procurement for a Project

The categories listed below describe the specific conditions under which a patented or proprietary product or process may be authorized. This form contains attachments that document the necessary facts, conditions, and citations to authorize a Contract Public Interest Finding for the use of **Scofield Solachrome Cool Taupe** on the subject contract.

Despite responsible efforts to identify the most competitive material to perform this function, the Agency, through its Project and Program Managers, has found that the patented or proprietary product or process (check the appropriate box):

- ☒ Category A – is the only product or process available that fulfills the required function; or
- ☐ Category B – is necessary for synchronization with other adjacent resources or existing facilities; or
- ☐ Category C – is being specified for research or experimental evaluation; or
- ☐ Category D – has been shown to be cost effective; or
- ☐ Category E – is for emergency or temporary use and its use is in the interests of public safety.

These findings have been made in accordance with Agency practices, including documentation of the underlying facts compelling the Public Interest Finding.

Recommended by: _____, Project Manager
DocuSigned by:
Michael LaCoy
530983C07EF54F2...

Approved by: _____, Program Manager
DocuSigned by:
Matthew Baggett
EBF18EF36916455...

Approved by: _____, Materials and Certifications Manager
DocuSigned by:
Nick VanDenBerg
57D4DD3560C24C2...

Approved by: _____, Chief Engineer's Office
DocuSigned by:
Jeremy Reed
BBE658022DA34B7...



State of Vermont

Agency of Transportation

To: Nick Van Den Berg, Materials & Certifications Manager, AOT Chief Engineer's Office

From: Ben Tietze, Traffic Design Engineer, Traffic Signal SME
Derek Lyman, State Signal & ITS Engineer

DS DS
BT DL

Date: April 16, 2024

Subject: Global Public Interest Finding (GPIF) for Wavetronix Products

Reason that a Patented or Proprietary Product or Process is Required:

In 2017, the Vermont Agency of Transportation (VTrans) implemented a Traffic Signal Central Management System (CMS), called Econolite Centracs. This system allows Operations staff to better monitor traffic signal statuses, provides opportunity to make signal system operational modifications and will allow for the collection of high-resolution traffic data. This data can be used for many purposes including timing optimization programs and the deployment of Traffic Responsive plans. In urban areas, this data collection process is primarily charged by the use of advanced vehicle detectors. For rural and/or high-speed approaches, advanced vehicle detectors are used to provide dilemma zone protection at signalized intersections.

Product or Process Description:

Currently, there is only one radar product that provides true *continuous* stop bar vehicle detection. The Wavetronix SmartSensor Matrix uses high-definition multi-beam radar technology with a patented radar imaging process that "sees" all vehicles, moving or stopped, covering up to 10 lanes simultaneously in nearly all-weather conditions.

In addition, currently, there is only one product on the commercial market that can provide complete dilemma zone protection in addition to providing high-resolution traffic data collection. The Wavetronix SmartSensor Advance uses high-definition radar detection technology with a patented Dynamic ETA Tracking system to *continuously* monitor the speed, distance from stop bar and estimated time of arrival of individual vehicles approaching a signalized intersection.

These products also provide flexible mounting options, which allows for maximum potential for the best possible detection angles. The SmartSensor Matrix has three mounting options for optimal performance: on either side of a cantilevered mast arm, near side pole and far side pole. Additionally, the SmartSensor Advance can utilize the same three options as the Matrix and can be mounted on luminaire arms as well. These options make these products preferable over all video detectors and other radar products, which require cantilevered mast arm mounting in a forward-fire application for optimal performance. Furthermore, these options also give system designers flexibility, especially at sites where complex roadway geometries exist.

Radar, in general, also has the highest detection accuracy, as it is not affected by time of day (i.e. nighttime, sun glare) or adverse weather conditions (i.e. snow, wind, rain).

Category A Determination:

Furthermore, specifying these products also creates other efficiencies for VTrans. There are numerous types of vehicle detection options for signalized intersections. VTrans recognizes the difficulty of managing a plethora of different makes and models of vehicle detection products. Different physical connections and interfaces,

various forms of software and the proprietary nature of the hardware and applicable software and algorithms are reasoning the Agency would like to limit the number of different types of detectors. The Agency's limited traffic signal maintenance staff is made up of five (5) members responsible for over 165+ traffic signals in all corners of the State of Vermont. Restricting the types of detectors focuses maintenance protocols and consolidates vendor interactions for the small group of signal technicians, has the potential of eliminating significant amounts of travel time in emergencies and reduces the need for a large replacement stockpile. The radar sensors also do not have a lens that needs to be cleaned on a periodic basis, which reduces the burden on the maintenance staff.


Cost:

The estimated total material cost for the Wavetronix SmartSensor Matrix at a typical 4-approach intersection is \$40,000.

The estimated total material cost for the Wavetronix SmartSensor Advance at a typical 2-approach intersection is \$20,000.

Effective Period:

This Global PIF may be used for contracts advertised within five years of the date specified above, **April 16, 2029**. After this time, the products or processes will be re-evaluated by the Agency.

BJT/DLL:mb1 

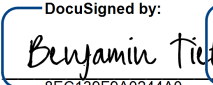
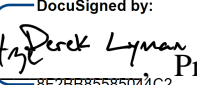
Vermont Agency of Transportation
Global Public Interest Finding Related to Materials Procurement for Multiple Projects

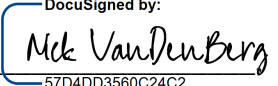
The categories listed below describe the specific conditions under which a patented or proprietary product or process may be authorized. This form contains attachments that document the necessary facts, conditions, and citations to authorize a Global Public Interest Finding for the use of **Wavetronix-branded Vehicle Detection products** on Agency contracts.

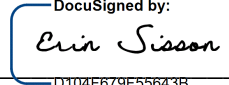
Despite responsible efforts to identify the most competitive material to perform this function, the Agency, through its Subject Matter Experts, has found that the patented or proprietary product or process (check the appropriate box):

- ☒ Category A – is the only product or process available that fulfills the required function; or
- ☐ Category B – is necessary for synchronization with other adjacent resources or existing facilities; or
- ☐ Category C – is being specified for research or experimental evaluation; or
- ☐ Category D – has been shown to be cost effective; or
- ☐ Category E – is for emergency or temporary use and its use is in the interests of public safety.

These findings have been made in accordance with Agency practices, including documentation of the underlying facts compelling the Public Interest Finding.

Recommended by:   Project Manager or Subject Matter Expert
8EC139F9A0244A0... 8F2BB85585044C2...

Approved by:  Materials and Certifications Manager
57D4DD3560C24C2...

Approved by: , Chief Engineer's Office
D104F679F55643B...

REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

- I. General
- II. Nondiscrimination
- III. Non-segregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion
- XI. Certification Regarding Use of Contract Funds for Lobbying
- XII. Use of United States-Flag Vessels:

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under title 23, United States Code, as required in 23 CFR 633.102(b) (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services). 23 CFR 633.102(e).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider. 23 CFR 633.102(e).

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services) in accordance with 23 CFR 633.102. The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in solicitation-for-bids or request-for-proposals documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract). 23 CFR 633.102(b).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work

performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract. 23 CFR 633.102(d).

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. 23 U.S.C. 114(b). The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors. 23 U.S.C. 101(a).

II. NONDISCRIMINATION (23 CFR 230.107(a); 23 CFR Part 230, Subpart A, Appendix A; EO 11246)

The provisions of this section related to 23 CFR Part 230, Subpart A, Appendix A are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR Part 60, 29 CFR Parts 1625-1627, 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR Part 60, and 29 CFR Parts 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), and Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR Part 230, Subpart A, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. Equal Employment Opportunity: Equal Employment Opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (see 28 CFR Part 35, 29 CFR Part 1630, 29 CFR Parts 1625-1627, 41 CFR Part 60 and 49 CFR Part 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140, shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR Part 35 and 29 CFR Part 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract. 23 CFR 230.409 (g)(4) & (5).

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, sexual orientation, gender identity, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action or are substantially involved in such action, will be made fully cognizant of and will implement the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer or other knowledgeable company official.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to ensure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action

within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs (i.e., apprenticeship and on-the-job training programs for the geographical area of contract performance). In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. 23 CFR 230.409. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide

sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants /

Employees with Disabilities: The contractor must be familiar with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established thereunder. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment:

The contractor shall not discriminate on the grounds of race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors, suppliers, and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurances Required:

a. The requirements of 49 CFR Part 26 and the State DOT's FHWA-approved Disadvantaged Business Enterprise (DBE) program are incorporated by reference.

b. The contractor, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:

- (1) Withholding monthly progress payments;
- (2) Assessing sanctions;
- (3) Liquidated damages; and/or
- (4) Disqualifying the contractor from future bidding as non-responsible.

c. The Title VI and nondiscrimination provisions of U.S. DOT Order 1050.2A at Appendixes A and E are incorporated by reference. 49 CFR Part 21.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women.

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on [Form FHWA-1391](#). The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of more than \$10,000. 41 CFR 60-1.5.

As prescribed by 41 CFR 60-1.8, the contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, sexual orientation, gender identity, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location under the contractor's control where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size), in accordance with 29 CFR 5.5. The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. 23 U.S.C. 113. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. 23 U.S.C. 101. Where applicable law requires that projects be treated as a project on a Federal-aid highway, the provisions of this subpart will apply regardless of the location of the project. Examples include: Surface Transportation Block Grant Program projects funded under 23 U.S.C. 133 [excluding recreational trails projects], the Nationally Significant Freight and Highway

Projects funded under 23 U.S.C. 117, and National Highway Freight Program projects funded under 23 U.S.C. 167.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages (29 CFR 5.5)

a. *Wage rates and fringe benefits.* All laborers and mechanics employed or working upon the site of the work (or otherwise working in construction or development of the project under a development statute), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act ([29 CFR part 3](#))), the full amount of basic hourly wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. As provided in paragraphs (d) and (e) of 29 CFR 5.5, the appropriate wage determinations are effective by operation of law even if they have not been attached to the contract. Contributions made or costs reasonably anticipated for bona fide fringe benefits under the Davis-Bacon Act ([40 U.S.C. 3141\(2\)\(B\)](#)) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.e. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics must be paid the appropriate wage rate and fringe benefits on the wage determination for the classification(s) of work actually performed, without regard to skill, except as provided in paragraph 4. of this section. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided*, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classifications and wage rates conformed under paragraph 1.c. of this section) and the Davis-Bacon poster (WH-1321) must be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. *Frequently recurring classifications.* (1) In addition to wage and fringe benefit rates that have been determined to be prevailing under the procedures set forth in [29 CFR part 1](#), a wage determination may contain, pursuant to § 1.3(f), wage and fringe benefit rates for classifications of laborers and mechanics for which conformance requests are regularly submitted pursuant to paragraph 1.c. of this section, provided that:

(i) The work performed by the classification is not performed by a classification in the wage determination for which a prevailing wage rate has been determined;

(ii) The classification is used in the area by the construction industry; and

(iii) The wage rate for the classification bears a reasonable relationship to the prevailing wage rates contained in the wage determination.

(2) The Administrator will establish wage rates for such classifications in accordance with paragraph 1.c.(1)(iii) of this section. Work performed in such a classification must be paid at no less than the wage and fringe benefit rate listed on the wage determination for such classification.

c. *Conformance.* (1) The contracting officer must require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract be classified in conformance with the wage determination. Conformance of an additional classification and wage rate and fringe benefits is appropriate only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is used in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) The conformance process may not be used to split, subdivide, or otherwise avoid application of classifications listed in the wage determination.

(3) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken will be sent by the contracting officer by email to DBAconformance@dol.gov. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(4) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer will, by email to DBAconformance@dol.gov, refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(5) The contracting officer must promptly notify the contractor of the action taken by the Wage and Hour Division

under paragraphs 1.c.(3) and (4) of this section. The contractor must furnish a written copy of such determination to each affected worker or it must be posted as a part of the wage determination. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 1.c.(3) or (4) of this section must be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

d. *Fringe benefits not expressed as an hourly rate.* Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor may either pay the benefit as stated in the wage determination or may pay another bona fide fringe benefit or an hourly cash equivalent thereof.

e. *Unfunded plans.* If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided*, That the Secretary of Labor has found, upon the written request of the contractor, in accordance with the criteria set forth in § 5.28, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

f. *Interest.* In the event of a failure to pay all or part of the wages required by the contract, the contractor will be required to pay interest on any underpayment of wages.

2. Withholding (29 CFR 5.5)

a. *Withholding requirements.* The contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for the full amount of wages and monetary relief, including interest, required by the clauses set forth in this section for violations of this contract, or to satisfy any such liabilities required by any other Federal contract, or federally assisted contract subject to Davis-Bacon labor standards, that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to Davis-Bacon labor standards requirements and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld. In the event of a contractor's failure to pay any laborer or mechanic, including any apprentice or helper working on the site of the work all or part of the wages required by the contract, or upon the contractor's failure to submit the required records as discussed in paragraph 3.d. of this section, the contracting agency may on its own initiative and after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with paragraph

2.a. of this section or Section V, paragraph 3.a., or both, over claims to those funds by:

(1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;

(2) A contracting agency for its procurement costs;

(3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;

(4) A contractor's assignee(s);

(5) A contractor's successor(s); or

(6) A claim asserted under the Prompt Payment Act, [31 U.S.C. 3901](#)–3907.

3. Records and certified payrolls (29 CFR 5.5)

a. Basic record requirements (1) Length of record retention. All regular payrolls and other basic records must be maintained by the contractor and any subcontractor during the course of the work and preserved for all laborers and mechanics working at the site of the work (or otherwise working in construction or development of the project under a development statute) for a period of at least 3 years after all the work on the prime contract is completed.

(2) Information required. Such records must contain the name; Social Security number; last known address, telephone number, and email address of each such worker; each worker's correct classification(s) of work actually performed; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in [40 U.S.C. 3141\(2\)\(B\)](#) of the Davis-Bacon Act); daily and weekly number of hours actually worked in total and on each covered contract; deductions made; and actual wages paid.

(3) Additional records relating to fringe benefits. Whenever the Secretary of Labor has found under paragraph 1.e. of this section that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in [40 U.S.C. 3141\(2\)\(B\)](#) of the Davis-Bacon Act, the contractor must maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits.

(4) Additional records relating to apprenticeship. Contractors with apprentices working under approved programs must maintain written evidence of the registration of apprenticeship programs, the registration of the apprentices, and the ratios and wage rates prescribed in the applicable programs.

b. Certified payroll requirements (1) Frequency and method of submission. The contractor or subcontractor must submit weekly, for each week in which any DBA- or Related Acts-covered work is performed, certified payrolls to the contracting

agency. The prime contractor is responsible for the submission of all certified payrolls by all subcontractors. A contracting agency or prime contractor may permit or require contractors to submit certified payrolls through an electronic system, as long as the electronic system requires a legally valid electronic signature; the system allows the contractor, the contracting agency, and the Department of Labor to access the certified payrolls upon request for at least 3 years after the work on the prime contract has been completed; and the contracting agency or prime contractor permits other methods of submission in situations where the contractor is unable or limited in its ability to use or access the electronic system.

(2) Information required. The certified payrolls submitted must set out accurately and completely all of the information required to be maintained under paragraph 3.a.(2) of this section, except that full Social Security numbers and last known addresses, telephone numbers, and email addresses must not be included on weekly transmittals. Instead, the certified payrolls need only include an individually identifying number for each worker (e.g., the last four digits of the worker's Social Security number). The required weekly certified payroll information may be submitted using Optional Form WH-347 or in any other format desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division website at <https://www.dol.gov/sites/dolgov/files/WHDL/legacy/files/wh347.pdf> or its successor website. It is not a violation of this section for a prime contractor to require a subcontractor to provide full Social Security numbers and last known addresses, telephone numbers, and email addresses to the prime contractor for its own records, without weekly submission by the subcontractor to the contracting agency.

(3) Statement of Compliance. Each certified payroll submitted must be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor, or the contractor's or subcontractor's agent who pays or supervises the payment of the persons working on the contract, and must certify the following:

(i) That the certified payroll for the payroll period contains the information required to be provided under paragraph 3.b. of this section, the appropriate information and basic records are being maintained under paragraph 3.a. of this section, and such information and records are correct and complete;

(ii) That each laborer or mechanic (including each helper and apprentice) working on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in [29 CFR part 3](#); and

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification(s) of work actually performed, as specified in the applicable wage determination incorporated into the contract.

(4) Use of Optional Form WH-347. The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 will satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(3) of this section.

(5) *Signature.* The signature by the contractor, subcontractor, or the contractor's or subcontractor's agent must be an original handwritten signature or a legally valid electronic signature.

(6) *Falsification.* The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under [18 U.S.C. 1001](#) and [31 U.S.C. 3729](#).

(7) *Length of certified payroll retention.* The contractor or subcontractor must preserve all certified payrolls during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

c. *Contracts, subcontracts, and related documents.* The contractor or subcontractor must maintain this contract or subcontract and related documents including, without limitation, bids, proposals, amendments, modifications, and extensions. The contractor or subcontractor must preserve these contracts, subcontracts, and related documents during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

d. *Required disclosures and access* (1) *Required record disclosures and access to workers.* The contractor or subcontractor must make the records required under paragraphs 3.a. through 3.c. of this section, and any other documents that the contracting agency, the State DOT, the FHWA, or the Department of Labor deems necessary to determine compliance with the labor standards provisions of any of the applicable statutes referenced by § 5.1, available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and must permit such representatives to interview workers during working hours on the job.

(2) *Sanctions for non-compliance with records and worker access requirements.* If the contractor or subcontractor fails to submit the required records or to make them available, or refuses to permit worker interviews during working hours on the job, the Federal agency may, after written notice to the contractor, sponsor, applicant, owner, or other entity, as the case may be, that maintains such records or that employs such workers, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available, or to permit worker interviews during working hours on the job, may be grounds for debarment action pursuant to § 5.12. In addition, any contractor or other person that fails to submit the required records or make those records available to WHD within the time WHD requests that the records be produced will be precluded from introducing as evidence in an administrative proceeding under [29 CFR part 6](#) any of the required records that were not provided or made available to WHD. WHD will take into consideration a reasonable request from the contractor or person for an extension of the time for submission of records. WHD will determine the reasonableness of the request and may consider, among other things, the location of the records and the volume of production.

(3) *Required information disclosures.* Contractors and subcontractors must maintain the full Social Security number and last known address, telephone number, and email address

of each covered worker, and must provide them upon request to the contracting agency, the State DOT, the FHWA, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or other compliance action.

4. Apprentices and equal employment opportunity (29 CFR 5.5)

a. *Apprentices (1) Rate of pay.* Apprentices will be permitted to work at less than the predetermined rate for the work they perform when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship (OA), or with a State Apprenticeship Agency recognized by the OA. A person who is not individually registered in the program, but who has been certified by the OA or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice, will be permitted to work at less than the predetermined rate for the work they perform in the first 90 days of probationary employment as an apprentice in such a program. In the event the OA or a State Apprenticeship Agency recognized by the OA withdraws approval of an apprenticeship program, the contractor will no longer be permitted to use apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(2) *Fringe benefits.* Apprentices must be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringe benefits must be paid in accordance with that determination.

(3) *Apprenticeship ratio.* The allowable ratio of apprentices to journeyworkers on the job site in any craft classification must not be greater than the ratio permitted to the contractor as to the entire work force under the registered program or the ratio applicable to the locality of the project pursuant to paragraph 4.a.(4) of this section. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in paragraph 4.a.(1) of this section, must be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under this section must be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(4) *Reciprocity of ratios and wage rates.* Where a contractor is performing construction on a project in a locality other than the locality in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyworker's hourly rate) applicable within the locality in which the construction is being performed must be observed. If there is no applicable ratio or wage rate for the locality of the project, the ratio and wage rate specified in the contractor's registered program must be observed.

b. *Equal employment opportunity.* The use of apprentices and journeyworkers under this part must be in conformity with

the equal employment opportunity requirements of Executive Order 11246, as amended, and [29 CFR part 30](#).

c. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. 23 CFR 230.111(e)(2). The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeyworkers shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract as provided in 29 CFR 5.5.

6. Subcontracts. The contractor or subcontractor must insert FHWA-1273 in any subcontracts, along with the applicable wage determination(s) and such other clauses or contract modifications as the contracting agency may by appropriate instructions require, and a clause requiring the subcontractors to include these clauses and wage determination(s) in any lower tier subcontracts. The prime contractor is responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this section. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and may be subject to debarment, as appropriate. 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract as provided in 29 CFR 5.5.

9. Disputes concerning labor standards. As provided in 29 CFR 5.5, disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility. a. By entering into this contract, the contractor certifies that neither it nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of [40 U.S.C. 3144\(b\)](#) or § 5.12(a).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of [40 U.S.C. 3144\(b\)](#) or § 5.12(a).

c. The penalty for making false statements is prescribed in the U.S. Code, Title 18 Crimes and Criminal Procedure, [18 U.S.C. 1001](#).

11. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#);

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#);

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#); or

d. Informing any other person about their rights under the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#).

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

Pursuant to 29 CFR 5.5(b), the following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchpersons and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek. 29 CFR 5.5.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph 1. of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages and interest from the date of the underpayment. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or

mechanic, including watchpersons and guards, employed in violation of the clause set forth in paragraph 1. of this section, in the sum currently provided in 29 CFR 5.5(b)(2)* for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph 1. of this section.

* \$31 as of January 15, 2023 (See 88 FR 88 FR 2210) as may be adjusted annually by the Department of Labor, pursuant to the Federal Civil Penalties Inflation Adjustment Act of 1990.

3. Withholding for unpaid wages and liquidated damages

a. *Withholding process.* The FHWA or the contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for any unpaid wages; monetary relief, including interest; and liquidated damages required by the clauses set forth in this section on this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract subject to the Contract Work Hours and Safety Standards Act that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to the Contract Work Hours and Safety Standards Act and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with Section IV paragraph 2.a. or paragraph 3.a. of this section, or both, over claims to those funds by:

- (1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;
- (2) A contracting agency for its procurement costs;
- (3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;
- (4) A contractor's assignee(s);
- (5) A contractor's successor(s); or
- (6) A claim asserted under the Prompt Payment Act, [31 U.S.C. 3901](#)–3907.

4. Subcontracts. The contractor or subcontractor must insert in any subcontracts the clauses set forth in paragraphs 1. through 5. of this section and a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor is responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs 1. through 5. In the

event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and associated liquidated damages and may be subject to debarment, as appropriate.

5. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the Contract Work Hours and Safety Standards Act (CWHSSA) or its implementing regulations in this part;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under CWHSSA or this part;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under CWHSSA or this part; or

d. Informing any other person about their rights under CWHSSA or this part.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System pursuant to 23 CFR 635.116.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" in paragraph 1 of Section VI refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions: (based on longstanding interpretation)

- (1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
- (2) the prime contractor remains responsible for the quality of the work of the leased employees;

(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and
(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract. 23 CFR 635.102.

2. Pursuant to 23 CFR 635.116(a), the contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. Pursuant to 23 CFR 635.116(c), the contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract. (based on long-standing interpretation of 23 CFR 635.116).

5. The 30-percent self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements. 23 CFR 635.116(d).

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR Part 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract. 23 CFR 635.108.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and

health standards (29 CFR Part 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704). 29 CFR 1926.10.

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR Part 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 11, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT (42 U.S.C. 7606; 2 CFR 200.88; EO 11738)

This provision is applicable to all Federal-aid construction contracts in excess of \$150,000 and to all related subcontracts. 48 CFR 2.101; 2 CFR 200.327.

By submission of this bid/proposal or the execution of this contract or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, subcontractor, supplier, or vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal Highway Administration and the Regional Office of the Environmental Protection Agency. 2 CFR Part 200, Appendix II.

The contractor agrees to include or cause to be included the requirements of this Section in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements. 2 CFR 200.327.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200. 2 CFR 180.220 and 1200.220.

1. Instructions for Certification – First Tier Participants:

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction. 2 CFR 180.320.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default. 2 CFR 180.325.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances. 2 CFR 180.345 and 180.350.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900-180.1020, and 1200. "First Tier Covered Transactions" refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction. 2 CFR 180.330.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold. 2 CFR 180.220 and 180.300.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. 2 CFR 180.300; 180.320, and 180.325. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. 2 CFR 180.335. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (<https://www.sam.gov/>). 2 CFR 180.300, 180.320, and 180.325.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default. 2 CFR 180.325.

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.335;.

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property, 2 CFR 180.800;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification, 2 CFR 180.700 and 180.800; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default. 2 CFR 180.335(d).

(5) Are not a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(6) Are not a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability (USDOT Order 4200.6 implementing appropriations act requirements).

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal. 2 CFR 180.335 and 180.340.

3. Instructions for Certification - Lower Tier Participants:

(Applicable to all subcontracts, purchase orders, and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200). 2 CFR 180.220 and 1200.220.

a. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which

this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances. 2 CFR 180.365.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900 – 180.1020, and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contractor). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated. 2 CFR 1200.220 and 1200.332.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold. 2 CFR 180.220 and 1200.220.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (<https://www.sam.gov/>), which is compiled by the General Services Administration. 2 CFR 180.300, 180.320, 180.330, and 180.335.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily

excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment. 2 CFR 180.325.

* * * * *

4. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

a. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals:

(1) is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.355;

(2) is a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(3) is a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability. (USDOT Order 4200.6 implementing appropriations act requirements)

b. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal.

* * * * *

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000. 49 CFR Part 20, App. A.

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or

cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

XII. USE OF UNITED STATES-FLAG VESSELS:

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, or any other covered transaction. 46 CFR Part 381.

This requirement applies to material or equipment that is acquired for a specific Federal-aid highway project. 46 CFR 381.7. It is not applicable to goods or materials that come into inventories independent of an FHWA funded-contract.

When oceanic shipments (or shipments across the Great Lakes) are necessary for materials or equipment acquired for a specific Federal-aid construction project, the bidder, proposer, contractor, subcontractor, or vendor agrees:

1. To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels. 46 CFR 381.7.

2. To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b)(1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Office of Cargo and Commercial Sealift (MAR-620), Maritime Administration, Washington, DC 20590. (MARAD requires copies of the ocean carrier's (master) bills of lading, certified onboard, dated, with rates and charges. These bills of lading may contain business sensitive information and therefore may be submitted directly to MARAD by the Ocean Transportation Intermediary on behalf of the contractor). 46 CFR 381.7.

**ATTACHMENT A - EMPLOYMENT AND MATERIALS
PREFERENCE FOR APPALACHIAN DEVELOPMENT
HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS
ROAD CONTRACTS (23 CFR 633, Subpart B, Appendix B)**

This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

Davis Bacon Wages Chittenden County, Vermont

"General Decision Number: VT20250059 01/03/2025

Superseded General Decision Number: VT20240059

State: Vermont

Construction Type: Highway

County: Chittenden County in Vermont.

HIGHWAY CONSTRUCTION PROJECTS (excluding tunnels, building structures in rest area projects & railroad construction; bascule, suspension & spandrel arch bridges designed for commercial navigation, bridges involving marine construction; and other major bridges).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	<ul style="list-style-type: none">. Executive Order 14026 generally applies to the contract.. The contractor must pay all covered workers at least \$17.75 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2025.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	<ul style="list-style-type: none">. Executive Order 13658 generally applies to the contract.. The contractor must pay all covered workers at least \$13.30 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2025.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number	Publication Date
0	01/03/2025

SUVT2017-020 08/06/2019

	Rates	Fringes
CARPENTER, Includes Form Work....	\$ 21.66	3.58
LABORER: Common or General, Includes Asphalt Raker, Shoveler, Spreader and Distributor.....	\$ 17.57 **	2.04
OPERATOR: Backhoe/Excavator/Trackhoe.....	\$ 20.76	1.96
OPERATOR: Bobcat/Skid Steer/Skid Loader.....	\$ 20.96	5.99
OPERATOR: Broom/Sweeper.....	\$ 18.57	2.47
OPERATOR: Loader.....	\$ 21.50	2.41
OPERATOR: Milling Machine.....	\$ 28.48	13.11
OPERATOR: Paver (Asphalt, Aggregate, and Concrete).....	\$ 21.41	3.55
OPERATOR: Pounder.....	\$ 22.30	5.04
TRAFFIC CONTROL: Flagger.....	\$ 12.66 **	0.00
TRUCK DRIVER, Includes all axles including Dump Trucks.....	\$ 18.88	2.33

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$17.75) or 13658 (\$13.30). Please see the Note at the top of the wage determination for more information. Please also note that the minimum wage requirements of Executive Order 14026 are not currently being enforced as to any contract or subcontract to which the states of Texas, Louisiana, or Mississippi, including their agencies, are a party.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than ""SU"", ""UAVG"", ?SA?, or ?SC? denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The ""SU"" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are

based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

?SU? wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The ""SA"" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:

- a) a survey underlying a wage determination
- b) an existing published wage determination
- c) an initial WHD letter setting forth a position on a wage determination matter
- d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Regarding any other wage determination matter such as

conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210.

=====

END OF GENERAL DECISION"

DISADVANTAGED BUSINESS ENTERPRISE (DBE) POLICY CONTRACT REQUIREMENTS

Disadvantaged Business Enterprise (DBE) Policy. It shall be the policy of the Vermont Agency of Transportation (VTrans) to ensure nondiscriminatory opportunity for Disadvantaged Business Enterprises (DBEs) to participate in the performance of all contracts and subcontracts financed with Federal funds as specified by the regulations of the United States Department of Transportation (USDOT) and as set forth below.

1. **Policy.** It is the policy of USDOT that DBEs as defined in 49 Code of Federal Regulation (CFR) Part 26 shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with Federal funds. Consequently, the DBE requirements of 49 CFR Part 26 and 23 CFR, Chapter 1, Part 230, Subpart b apply to this contract.
2. **DBE Obligation.** The State and its Contractors agree to ensure that DBEs as defined in 49 CFR Part 26, have the maximum opportunity to participate in the performance of contracts and subcontracts financed in whole or in part with Federal funds. **Each subcontract the prime contractor signs with a subcontractor must include this assurance:** *The contractor, sub recipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of USDOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy, as VTrans deems appropriate.*
3. **Sanctions for Noncompliance.** The Contractor is hereby advised that failure of the Contractor, or any Subcontractor performing work under this contract, to carry out the requirements set forth in paragraphs 1 and 2 above shall constitute a breach of contract and after the notification of the Vermont Agency of Transportation, Secretary of Transportation, may result in termination of this contract by the State or such remedy as the State deems necessary.
4. **Inclusion in Subcontracts.** The Contractor shall insert in each of its subcontracts this Disadvantaged Business Enterprise (DBE) Policy and a clause requiring its subcontractors to include this same Policy in any lower tier subcontracts which they may enter into, together with a clause requiring the inclusion of the Policy in any further subcontract that may in turn be made. This Policy shall not be incorporated by reference.

Disadvantaged Business Enterprise (DBE) Program Goals. The Vermont Agency of Transportation (VTrans) is required to set an overall DBE goal for participation in all transportation related Federal-aid projects. The goal is determined following guidelines set forth in 49 CFR 26.45, and based on the availability of ready, willing and able DBEs who submitted bids and quotes for transportation related projects, compared as a percentage of all available contractors who submitted bids and quotes for transportation related projects during the same time period. The DBE goal may be adjusted to take into account other factors impacting DBE utilization, in an effort to narrowly tailor the overall DBE goal. The detailed goal setting methodology and current overall DBE goal may be viewed on the VTrans website at: <http://vtrans.vermont.gov/civil-rights/doing-business/dbe-center/program-goals>

The VTrans overall DBE goal is currently achieved by a combination of contract specific goals and a race/gender neutral policy. Contractors should be proactive and solicit bids and quotes from certified DBEs for use when submitting their own bids and employ certified DBEs when participating on transportation related projects.

Disadvantaged Business Enterprise (DBE) Definition. A DBE is defined as a business that is owned and controlled by one or more socially and economically disadvantaged person(s). For the purposes of this definition:

- (1) "Socially and economically disadvantaged person" means an individual who is a citizen or lawful permanent resident of the United States and who is a Woman, Black, Hispanic, Portuguese, Native American, Asian American, or a member of another group, or an individual found to be disadvantaged by the Small Business Administration pursuant to Section 3 of the Small Business Act.
- (2) "Owned and controlled" means a business which is:
 - a. A sole proprietorship legitimately owned and controlled by an individual who is a disadvantaged person.
 - b. A partnership, joint venture or limited liability company in which at least 51% of the beneficial ownership interests legitimately is held by a disadvantaged person(s).
 - c. A corporation or other entity in which at least 51% of the voting interest and 51% of the beneficial ownership interests legitimately are held by a disadvantaged person(s).

The disadvantaged group owner(s) or stockholder(s) must possess control over management, interest in capital, and interest in earnings commensurate with percentage of ownership. Disadvantaged participation in a joint venture must also be based on the sharing of real earnings, as above. If the disadvantaged group ownership interests are real, substantial and continuing and not created solely to meet the requirements of the program, a firm is considered a bona fide DBE.

Certified DBE Directory. The current Vermont Unified Disadvantaged Business Enterprise (DBE) Directory is available online at: <http://vtrans.vermont.gov/civil-rights/doing-business/dbe-center/directory>. This directory contains all currently certified DBEs available for work in Vermont and is updated continuously. Only firms listed in this directory are eligible for DBE credit on Vermont Federal-aid projects. If you have questions about DBE certification, or do not have access to the Internet, please call the [AOT DBE Program Manager](#) for assistance.

Counting DBE Participation Towards Project Goals. For payments made to DBE contractors to be counted toward DBE goals, the DBE contractors must perform a commercially useful function (CUF). The DBE must be responsible for execution of the work of the contract and must carry out its responsibilities by performing, managing, and supervising the work involved, consistent with standard industry practices.

This means that:

- The DBE must also be responsible for ordering its own materials and supplies, determining quantity and quality, negotiating price, installing (where applicable) and paying for the material itself;
- The DBE must perform work commensurate with the amount of its contract;
- The DBE's contribution cannot be that of an extra participant or a conduit through which funds are passed in order to obtain the appearance of DBE participation;
- The DBE must exercise responsibility for at least fifty percent of the total cost of its contract with its own workforce;
- None of the DBE's work can be subcontracted back to the prime contractor, nor can the DBE employ the prime's or other subcontractor's supervisors currently working on the project;
- The DBE's labor force must be separate and apart from that of the prime contractor or other subcontractors on the project. Transferring crews between primes, subcontractors, and DBE contractors is not acceptable;
- The DBE owner must hold necessary professional or craft license(s) or certification(s) for the type of work he/she performs on the project;
- The DBE may rent or lease, at competitive rates, equipment needed on the project from customary leasing sources or from other subcontractors on the project.

Allowable credit for payments made to DBEs for work performed. A contractor may take credit for payments made to a certified DBE that satisfies CUF requirements at the following rate:

- A DBE Prime Contractor: Count 100% of the value of the work performed by own forces, equipment and materials towards the DBE goals.
- An approved DBE subcontractor: Count 100% of the value of work performed by the DBE's own forces, equipment and materials, excluding the following:
 - The cost of materials/supplies purchased from a non-DBE Prime Contractor.
 - The value of work provided by non-DBE lower tier subcontractors, including non-DBE trucking to deliver asphalt to a DBE contractor.
- A DBE owner-operator of construction equipment: Count 100% of expenditures committed.
- A DBE manufacturer: Count 100% of expenditures committed. The manufacturer must be a firm that operates or maintains a factory or establishment that produces on the premises the materials or supplies obtained by the Contractor.

- A regular DBE dealer/supplier: Count 60% of expenditures committed. A regular dealer/supplier is defined as a firm that owns, operates, or maintains a store, warehouse or other establishment, in which the materials or supplies required for the performance of the contract are bought, kept in stock, and regularly sold or leased to the public in the usual course of business. A person may be a dealer in such bulk items as petroleum products, steel, cement, gravel, stone or asphalt without owning, operating or maintaining a place of business, if the person both owns and operates distribution equipment for the products, by the means of a long-term agreement, and not by a contract by contract basis.
- A DBE broker: Count for DBE credit only the fees or commissions charged for assistance in the procurement, and fees and transportation charges for the delivery of materials or supplies required at the job site, but not the cost of materials procured. A broker is defined as any person(s) or firm who arranges or expedites transactions for materials or supplies and does not take physical possession of the materials or supplies at their place of business for resale.
- A DBE renter of construction equipment to a contractor: Count 20% of expenditures committed, with or without operator.
- A bona fide DBE service provider: Count 100% of reasonable fees or commissions. Eligible services include professional, technical, consultant, or managerial, services and assistance in the procurement of essential personnel, facilities, equipment, materials or supplies required for the performance of the contract. Eligible services also include agencies providing bonding and insurance specifically required for the performance of the contract.
- A trucking, hauling or delivery operation: Count 100% of expenditures committed when trucks are owned, operated, licensed and insured by the DBE and used on the contract and, if applicable, includes the cost of the materials and supplies. 100% of expenditures committed when the DBE leases trucks from another DBE firm including an owner-operator. 100% of reasonable fees, or commissions, the DBE receives as a result of a lease arrangement for trucks from a non-DBE, including an owner-operator.
- Any combination of the above.

Removal of Approved DBE From Transportation Related Project. Contractors may not terminate for convenience, any approved DBE subcontractor and perform the work with their own forces, without prior written consent from the [AOT DBE Program Manager or the AOT Civil Rights Director](#)

Federal-aid projects which specify a DBE contract goal. The provisions of the Vermont Agency of Transportation Supplemental Specification – Disadvantaged Business Enterprise (DBE) Utilization (CR 160) shall apply to all VTrans Federal-aid projects which specify a DBE contract goal.

Compliance With Prompt Payment Statute. In accordance with Vermont's Prompt Payment Act and VTrans Standard Specifications for Construction, Section 107.01(f), the Contractor shall

fully comply with the provisions of 9 V.S.A. Chapter 102, also referred to as Act No. 74 of 1991 or the Prompt Payment Act, as amended.

Subcontractor Payments. In accordance with VTrans Standard Specifications for Construction, Section 107.01(f), on all federal-aid and state funded contracts, the Contractor, during the life of the Contract and on a monthly basis, shall submit electronically, a listing of payments to subcontractors on the form specified by the State and made available at: <http://apps.vtrans.vermont.gov/promptpay/>. Electronic reports shall be filed with the Agency Office of Civil Rights by an authorized representative and received in the Agency Office of Civil Rights on or before the tenth working day after month end. Contractors without access to the internet shall obtain and submit manual reports to the Agency Office of Civil Rights. Manual reports shall be signed by an authorized representative, sent to the Agency Office of Civil Rights, and postmarked on or before the tenth working day after month end. There shall be no direct compensation allowed the Contractor for this work, but the cost thereof shall be included in the general cost of the work. In accordance with 9 V.S.A. Section 4003, notwithstanding any contrary agreement, payments made to subcontractors after seven days from receipt of a corresponding progress payment by the State to the Contractor, or seven days after receipt of a subcontractor's invoice, whichever is later, violate this agreement. Violations shall be reported to the Agency Office of Civil Rights for review. Failure to resolve disputes in a timely manner may result in a complaint made to the Agency Pre-qualification Committee. In this Committee's judgment, appropriate penalties may be involved for failure to comply with this specification. Penalties may include suspension, reduction or revocation of the Contractor's pre-qualification rating. This clause shall be included in the prime Contractor's Contract made with all if its subcontractors.

VERMONT AGENCY OF TRANSPORTATION SUPPLEMENTAL SPECIFICATION

Disadvantaged Business Enterprise Utilization

The Disadvantaged Business Enterprise (DBE) program is designed to ensure equal opportunity in transportation contracting markets and to address the effects of discrimination in transportation contracting. The program establishes a flexible 10 percent aspirational goal at the national level for the participation of disadvantaged business enterprises, including small firms owned and controlled by women and minorities. The detailed goal setting methodology and current overall DBE goal may be viewed on the VTrans website at: <http://vtrans.vermont.gov/civil-rights/doing-business/dbe-center/program-goals> . VTrans is a recipient of funds from USDOT and is implementing the following bidding procedure to assure that all such firms are offered the maximum opportunity to participate in the performance of subcontracts financed in whole or in part with federal funds.

A. Definitions

As used in this supplemental specification, the following terms shall have the following meaning:

1. **Disadvantaged Business Enterprise, (DBE)**, means a small business concern:
 - (a) which is at least 51 percent owned by one or more socially and economically disadvantaged individuals, or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more socially and economically disadvantaged individuals,
 - (b) whose management and daily business operations are controlled by one or more of the socially and economically disadvantaged individuals who own it, and
 - (c) is certified by the Vermont Agency of Transportation as being owned and controlled by socially and economically disadvantaged individuals.
2. **Socially and Economically Disadvantaged Individuals** means any individual who is a citizen (or lawfully admitted permanent resident) of the United States and who is:
 - (1) Any individual who a recipient finds to be a socially and economically disadvantaged individual on a case-by-case basis.
 - (2) Any individual in the following groups, members of which are rebuttably presumed to be socially and economically disadvantaged:
 - (i) "Black Americans," which includes persons having origins in any of the Black racial groups of Africa;
 - (ii) "Hispanic Americans," which includes persons of Mexican, Puerto Rican, Cuban, Dominican, Central or South American, or other Spanish or Portuguese culture or origin, regardless of race;
 - (iii) "Native Americans," which includes persons who are American Indians,

Eskimos, Aleuts, or Native Hawaiians;

- (iv) "Asian-Pacific Americans," which includes persons whose origins are from Japan, China, Taiwan, Korea, Burma (Myanmar), Vietnam, Laos, Cambodia (Kampuchea), Thailand, Malaysia, Indonesia, the Philippines, Brunei, Samoa, Guam, the U.S. Trust Territories of the Pacific Islands (Republic of Palau), the Commonwealth of the Northern Marianas Islands, Macao, Fiji, Tonga, Kiribati, Juvalu, Nauru, Federated States of Micronesia, or Hong Kong;
- (v) "Subcontinent Asian Americans," which includes persons whose origins are from India, Pakistan, Bangladesh, Bhutan, the Maldives Islands, Nepal or Sri Lanka;
- (vi) Women;
- (vii) Any additional groups whose members are designated as socially and economically disadvantaged by the Small Business Administration (SBA), at such time as the SBA designation becomes effective.

3. **Disadvantaged Business Enterprise Participation Schedule, to be submitted if a DBE contract goal has been set for this project.** It is a schedule completed by the Bidder. Each bidder must report their participation, or lack thereof, by completing Form CR-161 and Form CR-162 through the bid submission process on iCXWeb, which can be accessed using the following link: <https://vtrans.exevision.com/icx/Index.aspx> listing the disadvantaged firm(s), the name(s) and item number of the work to be subcontracted to the DBE, contract unit price for the item(s), and the actual agreed total price for which the DBE will perform said work on this project.
5. **Specific Contract Disadvantaged Business Enterprise Goal,** means the percentage of the Bidder's total contract bid amount to be subcontracted to contractors, suppliers, consultants, etc. owned and controlled by socially and economically disadvantaged individuals that are currently certified and in good standing in the VTrans DBE Program.
6. **Good Faith Solicitation Effort,** means the Bidder's degree of effort to meet the specific contract DBE goals, including but not limited to the following:
 - (a) whether the Bidder attended any pre-solicitation or pre-bid meeting that was scheduled by the Agency to inform DBEs of the contracting and subcontracting opportunities;
 - (b) whether the Bidder advertised in general circulation, trade association, and other media readily available to DBEs of subcontracting opportunities;
 - (c) whether the Bidder provided written notice to a reasonable number of specific DBEs that their interest in the contract was being solicited in sufficient time (at a minimum one (1) week in advance of the bid opening date) to allow DBEs to participate effectively;

- (d) whether the Bidder followed up initial solicitations of interest by contacting DBEs to determine with certainty whether DBEs were interested;
- (e) whether the Bidder selected portions of the work to be performed by DBEs to increase the likelihood of meeting the DBE goals (including where appropriate, breaking down contracts into economically feasible units to facilitate DBE participation);
- (f) whether the Bidder provided interested DBEs with adequate information about the plans, specifications and requirements of the contract;
- (g) whether the Bidder negotiated in good faith with interested DBEs, and did not reject DBEs as unqualified without sound reasons based on a thorough investigation of the DBE's capabilities;
- (h) whether the Bidder made efforts to assist interested DBEs in obtaining bonding, lines of credit or insurance required by the Agency of Bidder;
- (i) whether the Bidder effectively used the services of available community organizations, contractor's groups, local, state and federal business assistance offices, and other organizations that provide assistance in the recruitment and placement of DBEs. Bidders will be expected to solicit outside the State of Vermont for available, qualified DBE subcontractors; and
- (j) whether the Bidder provided proof of the unavailability of DBEs in accordance with the Disadvantaged Business Enterprise Unavailability Certification.

7. **Responsive Bid** means a bid which is responsive to Standard Agency Specifications and Procedures.

B. Specific Contract DBE Goal

The specific contract DBE goal for this project shall be the percentage specified in the Project Special Provisions. This percentage shall reflect the actual dollar amount to be paid to the DBE(s) by the Contractor.

C. Bid Submission

Each bidder, must submit the following documents with the proposal:

1. A completed Disadvantaged Business Enterprise Participation Schedule, (CR-161) listing the qualified DBEs with which the Bidder intends to contract for the performance of portions of the work under the Contract, specifying the agreed price to be paid to each DBE for said work, identifying in detail the contract items or parts thereof to be performed by each such DBE, contract unit prices, total prices and other information required by the Schedule. No work shall be included in the Schedule which the Bidder has reason to believe will be performed by the prime contractor, or that the listed DBE will subcontract, at any

- tier, to a non-DBE; or
2. In the event the work listed on the Disadvantaged Business Enterprise Participation Schedule is not sufficient to fulfill the Specific Contract DBE Goal the Bidder must submit both the Disadvantaged Business Enterprise Participation Schedule (CR-161) and the Disadvantaged Business Enterprise Unavailability Certification (CR-162) listing the DBEs contacted by the Bidder, the items for which prices were solicited, and the reason the DBEs were not used.
 3. The purpose of submitting the above documents is to show the Bidder's intent to:
 - a. Achieve the Specific Contract DBE Contract Goal; or
 - b. Partially achieve the Specific Contract DBE Goal, due to insufficient availability of DBEs; or
 - c. Not achieve the Specific Contract DBE Goal, due to unavailability of qualified DBEs.

In the event that the Bidder shows intent to either not achieve the specified DBE goal, or partially achieve the specified DBE goal, the Agency's evaluation of the bidder's good faith efforts, as required by Section D.2. of this specification, will focus only on those efforts made prior to bid opening. No good faith efforts conducted after the bid opening will be considered adequate to fulfill these bid submission requirements. Required bid submission information provided on the Disadvantaged Business Enterprise Participation Schedule and the Disadvantaged Business Enterprise Unavailability Certification will be used in determining the lowest responsive bidder. **Failure to provide Contract DBE participation information on these forms will result in the bid being declared informal.**

D. Award of the Contract

The Vermont Agency of Transportation reserves the right to reject all bids. The award of the contract will be to the lowest bidder responsive to the following criteria:

1. If the low Bidder fulfills Bid Submission requirements and meets or exceeds the specific contract DBE goals, the Agency considers the amount of the bid to be reasonable, and all other pre-award criteria are met, such a bidder will be successful Bidder.
2. If the apparent low bidder does not meet the DBE contract goal and the Agency considers the amount of the bid to be reasonable, such a bidder will be the successful bidder if he or she can show good faith efforts to meet the contract goals. Documentation supporting a Bidder's good faith efforts must be presented at the time of bid with the following information:
 - a. A written explanation of the efforts made by the low Bidder to meet the requirements of the Project Special Provisions Notice to Bidders – Disadvantaged Business Enterprises Requirements. Each of the items (a) through (j) must be addressed individually and all supporting

- b. documentation demonstrating the low Bidder's efforts must be included. A written explanation of other efforts made, or methods used to encourage DBE participation on the project. Documentation that verifies these efforts must also be included.
- 3. If the low Bidder cannot satisfy the Agency that good faith efforts have been made, then the bid will be rejected, and second low Bidder will be evaluated in the same manner. This procedure will continue, evaluating bids in ascending order, until either the contract DBE goal is attained or good faith efforts can be verified. The first bid meeting these criteria will be accepted, provided the total bid amount is considered reasonable by the Agency.
- 4. Final determination of the low Bidder will not be made until the Agency is satisfied that all provisions of these Supplemental Specifications have been met.
- 5. Prior to the award of the contract to the low Bidder the participation of all listed DBEs will be verified and evaluated in accordance with the Agency's pre-award audit criteria.

E. Changing or Substituting DBE Firms After Award and Verification of Payment

Any substitution of named DBE firms must be approved in writing by the VTrans Office of Civil Rights and Labor Compliance. If the Contractor alters the list of DBE firms scheduled to participate in the contract and/or the specific items that the DBE was scheduled to perform, the Contractor must be able to demonstrate that the listed DBE is unable to perform because of default or over-extension on other jobs or provide other similar justification. There must be a solid basis for change. It is not intended that a Contractor's ability to negotiate a more advantageous contract with another subcontractor be considered a valid basis for change.

If a listed DBE subcontractor is unable, following award to the low Bidder, to perform the items listed in the participation schedule, the Contractor must replace the listed DBE with another DBE subcontract of equal value or provide the Agency with documentation of good faith solicitation efforts as detailed in Part A 6(a) through (j) of this Supplemental Specification and explain why a substitute DBE could not be located. When a Contractor fulfills this requirement, a waiver will be issued by the Agency releasing the contractor from the DBE participation obligation.

Contractors are required to provide the Agency with copies of project work invoice payments to DBE subcontractors. These invoices shall be submitted to the Agency as payments are made and will be used to determine the final amount of project DBE participation, and whether Contract sanctions for non-compliance will be considered.

F. Sanctions for Non-Compliance

Each Contractor or subcontractor who fails to carry out the requirements set forth in these Specifications will be subject to a breach of contract and, after giving notification to the Federal Highway Administration; the Agency may terminate the Contract or subcontract or initiate any other remedy which it considers to be appropriate.

The standard penalty for failing to comply with this Supplemental Specification for DBE Utilization will be as follows:

An amount of money equal to the amount in which the Contractor fails to achieve the specific contract goal may be deducted from the final estimate and/or biweekly progress payments as the penalty for non-compliance with this specification.

**DISADVANTAGED BUSINESS ENTERPRISE
PARTICIPATION SCHEDULE**

Any substitution of the named DBE firms must be approved in writing by the Vermont Agency of Transportation, Office of Civil Rights and Labor Compliance. This approval is necessary not only to assure that contract goals are met, but to preserve the integrity of the DBE program.

Name of Prime Bidder			Project Name and Number		

Name & Address Of DBE	Item No.	Item Name (detail if partial item)	Item Quantity	Unit Price	Agreed Total DBE Amount

Participation credit is counted as follows:

DBE Subcontractors	100%
DBE Manufacturers/Suppliers	100%

Total dollar amount obligated to DBE(s) \$ _____

Percentage of contract obligation to DBE(s) _____ %
(must be completed)

**DISADVANTAGED BUSINESS ENTERPRISE
UNAVAILABILITY CERTIFICATION**

I, _____, _____ of
(Name) (Title)

_____, certify that on _____
(Name of Prime Bidder) (Date)

I contacted the following Disadvantaged Business Enterprise(s) to obtain a bid for work items to be performed on Vermont Agency of Transportation project:

(Project Name and Number)

<u>DBE Contractor</u>	<u>Work Items Sought</u>	<u>Reason for Unavailability</u>
------------------------------	---------------------------------	---

To the best of my knowledge and belief, said Disadvantaged Business Enterprise(s) were unavailable for work on this project, or unable to prepare a bid.

Signature: _____

Date: _____

(If the low Bidder fails to attain the required DBE participation on the project, he or she will be required to submit documentation verifying the Bidder's good faith efforts and the actual documentation illustrating the unavailability of the DBE firms listed in this certificate, in accordance with Section D.2.a. & b. of the Supplemental Specification for Disadvantaged Business Enterprise Utilization – CR-160.)

NOTE: This form need not be completed if the bidder has attained the specific DBE participation goal assigned to this project and satisfactorily completed the participation schedule (Form CR-161).

ATTACHMENT C: STANDARD STATE PROVISIONS FOR CONTRACTS AND GRANTS**REVISED OCTOBER 1, 2024**

1. Definitions: For purposes of this Attachment, “Party” shall mean the Contractor, Grantee, or Subrecipient, with whom the State of Vermont is executing this Agreement and consistent with the form of the Agreement. “Agreement” shall mean the specific contract or grant to which this form is attached.

2. Entire Agreement: This Agreement, whether in the form of a contract, State-funded grant, or Federally-funded grant, represents the entire agreement between the parties on the subject matter. All prior agreements, representations, statements, negotiations, and understandings shall have no effect. Where an authorized individual is either required to click-through or otherwise accept, or made subject to, any electronic terms and conditions to use or access any product or service provided hereunder, such terms and conditions are not binding and shall have no force or effect. Further, any terms and conditions of Party’s invoice, acknowledgment, confirmation, or similar document, shall not apply, and any such terms and conditions on any such document are objected to without need of further notice or objection.

3. Governing Law, Jurisdiction and Venue; No Waiver of Jury Trial: This Agreement will be governed by the laws of the State of Vermont without resort to conflict of laws principles. Any action or proceeding brought by either the State or the Party in connection with this Agreement shall be brought and enforced in the Superior Court of the State of Vermont, Civil Division, Washington Unit. The Party irrevocably submits to the jurisdiction of this court for any action or proceeding regarding this Agreement. The Party agrees that it must first exhaust any applicable administrative remedies with respect to any cause of action that it may have against the State regarding its performance under this Agreement. Party agrees that the State shall not be required to submit to binding arbitration or waive its right to a jury trial.

4. Sovereign Immunity: The State reserves all immunities, defenses, rights, or actions arising out of the State’s sovereign status or under the Eleventh Amendment to the United States Constitution. No waiver of the State’s immunities, defenses, rights, or actions shall be implied or otherwise deemed to exist by reason of the State’s entry into this Agreement.

5. No Employee Benefits For Party: The Party understands that the State will not provide any individual retirement benefits, group life insurance, group health and dental insurance, vacation or sick leave, workers compensation or other benefits or services available to State employees, nor will the State withhold any state or Federal taxes except as required under applicable tax laws, which shall be determined in advance of execution of the Agreement. The Party understands that all tax returns required by the Internal Revenue Code and the State of Vermont, including but not limited to income, withholding, sales and use, and rooms and meals, must be filed by the Party, and information as to Agreement income will be provided by the State of Vermont to the Internal Revenue Service and the Vermont Department of Taxes.

6. Independence: The Party will act in an independent capacity and not as officers or employees of the State.

7. Defense and Indemnity:

- A.** The Party shall defend the State and its officers and employees against all third-party claims or suits arising in whole or in part from any act or omission of the Party or of any agent of the Party in connection with the performance of this Agreement. The State shall notify the Party in the event of any such claim or suit, and the Party shall immediately retain counsel and otherwise provide a complete defense against the entire claim or suit. The State retains the right to participate at its own expense in the defense of any claim. The State shall have the right to approve all proposed settlements of such claims or suits.
- B.** After a final judgment or settlement, the Party may request recoupment of specific defense costs and may file suit in Washington Superior Court requesting recoupment. The Party shall be entitled to recoup costs only upon a showing that such costs were entirely unrelated to the defense of any claim arising from an act or omission of the Party in connection with the performance of this Agreement.
- C.** The Party shall indemnify the State and its officers and employees if the State, its officers, or employees become legally obligated to pay any damages or losses arising from any act or omission of the Party or an agent of the Party in connection with the performance of this Agreement.
- D.** Notwithstanding any contrary language anywhere, in no event shall the terms of this Agreement or any document furnished by the Party in connection with its performance under this Agreement obligate the State to (1) defend or indemnify the Party or any third party, or (2) otherwise be liable for the expenses or reimbursement, including attorneys’ fees, collection

costs or other costs of the Party or any third party.

8. Insurance: During the term of this Agreement, Party, at its expense, shall maintain in full force and effect the insurance coverages set forth in the Vermont State Insurance Specification in effect at the time of incorporation of this Attachment C into this Agreement. The terms of the Vermont State Insurance Specification are hereby incorporated by reference into this Attachment C as if fully set forth herein. A copy of the Vermont State Insurance Specification is available at: <https://aoa.vermont.gov/Risk-Claims-COI>.

9. Reliance by the State on Representations: All payments by the State under this Agreement will be made in reliance upon the accuracy of all representations made by the Party in accordance with this Agreement, including but not limited to bills, invoices, progress reports, and other proofs of work.

10. False Claims Act: Any liability to the State under the Vermont False Claims Act (32 V.S.A. § 630 et seq.) shall not be limited notwithstanding any agreement of the State to otherwise limit Party's liability.

11. Whistleblower Protections: The Party shall not discriminate or retaliate against one of its employees or agents for disclosing information concerning a violation of law, fraud, waste, abuse of authority, or acts threatening health or safety, including but not limited to allegations concerning the False Claims Act. Further, the Party shall not require such employees or agents to forego monetary awards as a result of such disclosures, nor should they be required to report misconduct to the Party or its agents prior to reporting to any governmental entity and/or the public.

12. Use and Protection of State Information:

- A. As between the State and Party, "State Data" includes all data received, obtained, or generated by the Party in connection with performance under this Agreement. Party acknowledges that certain State Data to which the Party may have access may contain information that is deemed confidential by the State, or which is otherwise confidential by law, rule, or practice, or otherwise exempt from disclosure under the State of Vermont Access to Public Records Act, 1 V.S.A. § 315 et seq. ("Confidential State Data").
- B. With respect to State Data, Party shall:
 - i. take reasonable precautions for its protection;
 - ii. not rent, sell, publish, share, or otherwise appropriate it; and
 - iii. upon termination of this Agreement for any reason, Party shall dispose of or retain State Data if and to the extent required by this Agreement, law, or regulation, or otherwise requested in writing by the State.
- C. With respect to Confidential State Data, Party shall:
 - i. strictly maintain its confidentiality;
 - ii. not collect, access, use, or disclose it except as necessary to provide services to the State under this Agreement;
 - iii. provide at a minimum the same care to avoid disclosure or unauthorized use as it provides to protect its own similar confidential and proprietary information;
 - iv. implement and maintain administrative, technical, and physical safeguards and controls to protect against any anticipated threats or hazards or unauthorized access or use;
 - v. promptly notify the State of any request or demand by any court, governmental agency or other person asserting a demand or request for Confidential State Data so that the State may seek an appropriate protective order; and
 - vi. upon termination of this Agreement for any reason, and except as necessary to comply with subsection B.iii above in this section, return or destroy all Confidential State Data remaining in its possession or control.
- D. If Party is provided or accesses, creates, collects, processes, receives, stores, or transmits Confidential State Data in any electronic form or media, Party shall utilize:
 - i. industry-standard firewall protection;
 - ii. multi-factor authentication controls;
 - iii. encryption of electronic Confidential State Data while in transit and at rest;
 - iv. measures to ensure that the State Data shall not be altered without the prior written consent of the State;
 - v. measures to protect against destruction, loss, or damage of State Data due to potential environmental hazards, such as fire and water damage;

- vi. training to implement the information security measures; and
 - vii. monitoring of the security of any portions of the Party's systems that are used in the provision of the services against intrusion.
- E. No Confidential State Data received, obtained, or generated by the Party in connection with performance under this Agreement shall be processed, transmitted, stored, or transferred by any means outside the United States, except with the express written permission of the State.
- F. Party shall notify the State within twenty-four hours after becoming aware of any unauthorized destruction, loss, alteration, disclosure of, or access to, any State Data.
- G. State of Vermont Cybersecurity Standard Update: Party confirms that all products and services provided to or for the use of the State under this Agreement shall be in compliance with State of Vermont Cybersecurity Standard Update in effect at the time of incorporation of this Attachment C into this Agreement. The State of Vermont Cybersecurity Standard Update prohibits the use of certain branded products in State information systems or any vendor system, and a copy is available at: <https://digitalservices.vermont.gov/cybersecurity/cybersecurity-standards-and-directives>
- H. In addition to the requirements of this Section 12, Party shall comply with any additional requirements regarding the protection of data that may be included in this Agreement or required by law or regulation.

13. Records Available for Audit: The Party shall maintain all records pertaining to performance under this Agreement. "Records" means any written or recorded information, regardless of physical form or characteristics, which is produced or acquired by the Party in the performance of this Agreement. Records produced or acquired in a machine-readable electronic format shall be maintained in that format. The records described shall be made available at reasonable times during the period of this Agreement and for three years thereafter or for any period required by law for inspection by any authorized representatives of the State or Federal Government. If any litigation, claim, or audit is started before the expiration of the three-year period, the records shall be retained until all litigation, claims, or audit findings involving the records have been resolved.

14. Fair Employment Practices and Americans with Disabilities Act: Party agrees to comply with the requirement of 21 V.S.A. Chapter 5, Subchapter 6, relating to fair employment practices, to the full extent applicable, and shall include this provision in all subcontracts for work performed in Vermont. Party shall also ensure, to the full extent required by the Americans with Disabilities Act of 1990, as amended, that qualified individuals with disabilities receive equitable access to the services, programs, and activities provided by the Party under this Agreement.

15. Offset: The State may offset any sums which the Party owes the State against any sums due the Party under this Agreement; provided, however, that any offset of amounts due the State of Vermont as taxes shall be in accordance with the procedures more specifically provided in 32 V.S.A. § 3113.

16. Taxes Due to the State: Party certifies under the pains and penalties of perjury that, as of the date this Agreement is signed, the Party is in good standing with respect to, or in full compliance with, a plan to pay any and all taxes due the State of Vermont.

17. Taxation of Purchases: All State purchases must be invoiced tax free. An exemption certificate will be furnished upon request with respect to otherwise taxable items.

18. Child Support: (Only applicable if the Party is a natural person, not a corporation or partnership.) Party states that, as of the date this Agreement is signed, Party is not under an obligation to pay child support or is in good standing with respect to or in full compliance with a plan to pay any and all child support payable under a support order. Party makes this statement with regard to support owed to any and all children residing in Vermont. In addition, if the Party is a resident of Vermont, Party makes this statement with regard to support owed to any and all children residing in any other state or territory of the United States.

19. Sub-Agreements: Party shall not assign, subcontract, or subgrant the performance of this Agreement or any portion thereof to any other Party without the prior written approval of the State. Party shall be responsible and liable to the State for all acts or omissions of subcontractors and any other person performing work under this Agreement pursuant to an agreement with Party or any subcontractor.

In the case this Agreement is a contract with a total cost in excess of \$250,000, the Party shall provide to the State a list of all proposed subcontractors and subcontractors' subcontractors, together with the identity of those subcontractors' workers compensation insurance providers, and additional required or requested information, as applicable, in accordance with Section 32 of The Vermont Recovery and Reinvestment Act of 2009 (Act No. 54), as amended by Section 17 of Act No. 142 (2010) and by

Section 6 of Act No. 50 (2011).

Party shall include the following provisions of this Attachment C in all subcontracts for work performed solely for the State of Vermont and subcontracts for work performed in the State of Vermont: Section 10 (“False Claims Act”); Section 11 (“Whistleblower Protections”); Section 12 (“Confidentiality and Protection of State Information”); Section 14 (“Fair Employment Practices and Americans with Disabilities Act”); Section 16 (“Taxes Due the State”); Section 18 (“Child Support”); Section 20 (“No Gifts or Gratuities”); Section 22 (“Certification Regarding Debarment”); Section 30 (“State Facilities”); and Section 32.A (“Certification Regarding Use of State Funds”).

20. No Gifts or Gratuities: Party shall not give title or possession of anything of substantial value (including property, currency, travel, and/or education programs) to any officer or employee of the State during the term of this Agreement.

21. Regulation of Hydrofluorocarbons: Party confirms that all products provided to or for the use of the State under this Agreement shall not contain hydrofluorocarbons, as prohibited under 10 V.S.A. § 586.

22. Certification Regarding Debarment: Party certifies under pains and penalties of perjury that, as of the date that this Agreement is signed, neither Party nor Party’s principals (officers, directors, owners, or partners) are presently debarred, suspended, proposed for debarment, declared ineligible, or excluded from participation in Federal programs, or programs supported in whole or in part by Federal funds. Party further certifies under pains and penalties of perjury that, as of the date that this Agreement is signed, Party is not presently debarred, suspended, nor named on the State’s debarment list at: <https://bgs.vermont.gov/purchasing-contracting/debarment>.

23. Conflict of Interest: Party shall fully disclose, in writing, any conflicts of interest or potential conflicts of interest.

24. Vermont Public Records Act: Party acknowledges and agrees that this Agreement, any and all information obtained by the State from the Party in connection with this Agreement, and any obligations of the State to maintain the confidentiality of information are subject to the State of Vermont Access to Public Records Act, 1 V.S.A. § 315 *et seq.*

25. Force Majeure: Neither the State nor the Party shall be liable to the other for any failure or delay of performance of any obligations under this Agreement to the extent such failure or delay shall have been wholly or principally caused by acts or events beyond its reasonable control rendering performance illegal or impossible (excluding strikes or lockouts) (“Force Majeure”). Where Force Majeure is asserted, the nonperforming party must prove that it made all reasonable efforts to remove, eliminate or minimize such cause of delay or damages, diligently pursued performance of its obligations under this Agreement, substantially fulfilled all non-excused obligations, and timely notified the other party of the likelihood or actual occurrence of an event described in this paragraph.

26. Marketing: Party shall not use the State’s logo or otherwise refer to the State in any publicity materials, information pamphlets, press releases, research reports, advertising, sales promotions, trade shows, or marketing materials or similar communications to third parties except with the prior written consent of the State.

27. Termination:

- A. Non-Appropriation:** If this Agreement extends into more than one fiscal year of the State (July 1 to June 30), and if appropriations are insufficient to support this Agreement, the State may cancel this Agreement at the end of the fiscal year, or otherwise upon the expiration of existing appropriation authority. In the case that this Agreement is funded in whole or in part by Federal funds, and in the event Federal funds become unavailable or reduced, the State may suspend or cancel this Agreement immediately, and the State shall have no obligation to pay Party from State revenues.
- B. Termination for Cause:** Either party may terminate this Agreement if a party materially breaches its obligations under this Agreement, and such breach is not cured within thirty (30) days after delivery of the non-breaching party’s notice or such longer time as the non-breaching party may specify in the notice.
- C. Termination Assistance:** Upon nearing the end of the final term or termination of this Agreement, without respect to cause, the Party shall take all reasonable and prudent measures to facilitate any transition required by the State. All State property, tangible and intangible, shall be returned to the State upon demand at no additional cost to the State in a format acceptable to the State.

28. Continuity of Performance: In the event of a dispute between the Party and the State, each party will continue to perform its obligations under this Agreement during the resolution of the dispute until this Agreement is terminated in accordance with its terms.

29. No Implied Waiver of Remedies: Either party's delay or failure to exercise any right, power, or remedy under this Agreement shall not impair any such right, power, or remedy, or be construed as a waiver of any such right, power, or remedy. All waivers must be in writing.

30. State Facilities: If the State makes space available to the Party in any State facility during the term of this Agreement for purposes of the Party's performance under this Agreement, the Party shall only use the space in accordance with all policies and procedures governing access to, and use of, State facilities, which shall be made available upon request. State facilities will be made available to Party on an "AS IS, WHERE IS" basis, with no warranties whatsoever.

31. Requirements Pertaining Only to Federal Grants and Subrecipient Agreements: If this Agreement is a grant that is funded in whole or in part by Federal funds:

- A. Requirement to Have a Single Audit:** The Subrecipient will complete the Subrecipient Annual Report annually within 45 days after its fiscal year end, informing the State of Vermont whether or not a Single Audit is required for the prior fiscal year. If a Single Audit is required, the Subrecipient will submit a copy of the audit report to the Federal Audit Clearinghouse within nine months. If a single audit is not required, only the Subrecipient Annual Report is required. A Single Audit is required if the subrecipient expends \$1,000,000 or more in Federal assistance during its fiscal year and must be conducted in accordance with 2 CFR Chapter I, Chapter II, Part 200, Subpart F. The Subrecipient Annual Report is required to be submitted within 45 days, whether or not a Single Audit is required.
- B. Internal Controls:** In accordance with 2 CFR Part II, §200.303, the Party must establish and maintain effective internal control over the Federal award to provide reasonable assurance that the Party is managing the Federal award in compliance with Federal statutes, regulations, and the terms and conditions of the award. These internal controls should be in compliance with guidance in "Standards for Internal Control in the Federal Government" issued by the Comptroller General of the United States and the "Internal Control Integrated Framework" issued by the Committee of Sponsoring Organizations of the Treadway Commission.
- C. Mandatory Disclosures:** In accordance with 2 CFR Part II, §200.113, Party must disclose, in a timely manner, in writing to the State, all violations of Federal criminal law involving fraud, bribery, or gratuity violations potentially affecting the Federal award. Failure to make required disclosures may result in the imposition of sanctions which may include disallowance of costs incurred, withholding of payments, termination of the Agreement, suspension/debarment, etc.

32. Requirements Pertaining Only to State-Funded Grants:

- A. Certification Regarding Use of State Funds:** If Party is an employer and this Agreement is a State-funded grant in excess of \$1,000, Party certifies that none of these State funds will be used to interfere with or restrain the exercise of Party's employee's rights with respect to unionization.
- B. Good Standing Certification (Act 154 of 2016):** If this Agreement is a State-funded grant, Party hereby represents: (i) that it has signed and provided to the State the form prescribed by the Secretary of Administration for purposes of certifying that it is in good standing (as provided in Section 13(a)(2) of Act 154) with the Agency of Natural Resources and the Agency of Agriculture, Food and Markets, or otherwise explaining the circumstances surrounding the inability to so certify; and (ii) that it will comply with the requirements stated therein.

(End of Standard Provisions)

USDOT Standard Title VI Nondiscrimination Assurances Appendix A, E

Assurance Appendix A

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

1. **Compliance with Regulations:** The contractor (hereinafter includes consultants) will comply with the Acts and the Regulations relative to Nondiscrimination in Federally-assisted programs of the U.S. Department of Transportation, Federal Highway Administration (FHWA), as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.
2. **Nondiscrimination:** The contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, national origin, sex, age, disability, income-level, or LEP in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations as set forth in Appendix E, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR Part 21.
3. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor's obligations under this contract and the Acts and the Regulations relative to Non-discrimination on the grounds of race, color, national origin, sex, age, disability, income-level, or LEP.
4. **Information and Reports:** The contractor will provide all information and reports required by the Acts, the Regulations and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Recipient or the FHWA to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the Recipient or the FHWA, as appropriate, and will set forth what efforts it has made to obtain the information.
5. **Sanctions for Noncompliance:** In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the Recipient will impose such contract sanctions as it or the FHWA may determine to be appropriate, including, but not limited to:
 - a. withholding payments to the contractor under the contract until the contractor complies; and/or
 - b. cancelling, terminating, or suspending a contract, in whole or in part.
6. **Incorporation of Provisions:** The contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontract or procurement

as the Recipient or the FHWA may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the Recipient to enter into any litigation to protect the interests of the Recipient. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

Assurance Appendix E

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the “contractor”) agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d *et seq.*, 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin), as implemented by 49 C.F.R. § 21.1 *et seq.* and 49 C.F.R. § 303;
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 *et seq.*), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 *et seq.*), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 *et seq.*), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (102 Stat. 28.), (“...*which restore[d] the broad scope of coverage and to clarify the application of title IX of the Education Amendments of 1972, section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, and title VI of the Civil Rights Act of 1964.*”);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131 – 12189) as implemented by Department of Justice regulations at 28 C.F.R. parts 35 and 36, and Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration’s Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 *et seq.*), as implemented by 49 C.F.R. § 25.1 *et seq.*

STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY
CONSTRUCTION CONTRACT SPECIFICATIONS
(EXECUTIVE ORDER 11246)

1. As used in these specifications:

- a. "Covered Area" means the geographical area described in the solicitation from which this contract resulted.
- b. "Director" means Director, Office of Federal Contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority.
- c. "Employer Identification Number" means the Federal Social Security Number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941.

A Minority Group Member is:

...American Indian or Alaskan Native

consisting of all persons having origins in any of the original people of North American and who maintain cultural identification through tribal affiliations or community recognition.

...Black

consisting of all persons having origins in any of the Black racial groups of Africa.

...Asian or Pacific Islander

consisting of all persons having origins in any of the original people of the Far East, Southeast Asia, the Indian Sub-Continent or the Pacific Islands. This area includes China, India, Japan, Korea, the Philippines and Samoa.

...Hispanic

consisting of all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish culture or origin.

...Cape Verde an

consisting of all persons having origins in the Cape Verde Islands.

...Portuguese

consisting of all persons of Portuguese, Brazilian or other Portuguese culture or origin.

2. Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000.00 the provisions of these specifications and the notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.

3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in the Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or subcontract participating in an approved Plan is individually required to comply with its obligations under the EEO clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. the overall good faith performance by other Contractors or subcontractors toward a goal in an approved Plan does not excuse any covered Contractor's or subcontractor's failure to make good faith efforts to achieve the Plan goals and timetables.
4. The Contractor shall implement the specific affirmative action standards provided in Paragraphs 7a through p of these specifications. The goals set for the Contractor in the solicitation from which this contract resulted are expressed as percentages in the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. The Contractor is expected to make substantially uniform progress toward its goals in each craft during the period specified.
5. Neither the provisions of any collective bargaining agreement nor the failure by a union with whom the Contractor has a collective bargaining agreement to refer either minority or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.
6. In order for the non-working training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.
7. The Contractor shall take specific affirmative actions to ensure equal employment opportunity . The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully and shall implement affirmative action steps at least as extensive as the following:
 - a. Ensure and maintain a working environment free of harassment, intimidation and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment with specific attention to minority or female individuals working at such sites or in such facilities.
 - b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available and maintain a record of the organizations' responses.

- c. Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefor, along with whatever additional actions the Contractor may have taken.
- d. Provide immediate written notifications to the Regional Director when the union or unions, with which the Contractor has a collective bargaining agreement, have not referred to the Contractor a minority person or woman sent by the Contractor or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.
- e. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the Department of Labor. The Contractor shall provide notice of these programs to the sources compiled under Paragraph 7b above.
- f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction is performed.
- g. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with on-site supervisory personnel such as Superintendents, Supervisors etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.
- h. Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, and providing written notification to, and discussing the Contractor's EEO policy with, other Contractors and subcontractors with whom the Contractor anticipates doing business.
- i. Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notifications to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.

- j. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a Contractor's workforce.
 - k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.
 - l. Conduct, at least annually, an inventory and evaluation of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.
 - m. Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment-related activities to ensure that the EEO policy and Contractor's obligations under these specifications are being carried out.
 - n. Ensure that all facilities and company activities are non-segregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.
 - o. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.
 - p. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.
8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (Paragraph 7a through p). The efforts of a contractor association, joint contractor-union, contractor-community, or other similar group of which the Contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under Paragraph 7a through p of these Specifications provided that the Contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, reflected in the Contractor's minority and female workforce participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's, and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's non-compliance.
9. A single goal for minorities and a separate single goal for women have been established. The Contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Contractor may be in violation of the Executive Order if a particular group is employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the Executive Order if a specific minority group of women is under-utilized).

10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex or national origin.
11. The Contractor shall not enter into any subcontract with any person for firm debarred from Government contracts pursuant to Executive Order 11246.
12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, terminations and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.
13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in Paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.
14. The Contractor shall designate a responsible official to monitor all employment-related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.
15. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application or requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

**NOTICE OF REQUIREMENTS FOR AFFIRMATIVE ACTION TO ENSURE EQUAL
EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246)**

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.
2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Economic Areas	Timetables	Goals for Minority participation for each trade (%)	Goals for Female Participation in each trade (%)
Entire State of Vermont:			
<u>Vermont</u> 003 Burlington, VT Non-SMSA Counties NH Coos; NH Grafton; NH Sullivan; VT Addison; VT Caledonia; VT Chittenden; VT Essex; VT Franklin; VT Grand Isle; VT Lamoille; VT Orange; VT Orleans; VT Rutland; VT Washington; VT Windsor	Indefinite	0.8	6.9
<u>Connecticut (Mass)</u> 006 Hartford - New Haven Springfield, CT-MA Non-SMSA Counties CT Litchfield; CT Windham; MA Franklin; NH Cheshire; VT Windham	Indefinite	5.9	
<u>New York</u> 007 Albany - Schenectady - Troy, NY Non-SMSA Counties NY Clinton; NY Columbia; NY Essex; NY Fulton; NY Greene; NY Hamilton; NY Schoharie; NY Warren; NY Washington; VT Bennington	Indefinite	2.6	

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area. If the Contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the Contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulation in CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3 (a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten working days of award of any construction subcontract in excess of \$10,000.00 at any tier for construction work under the contract resulting from this solicitation. The notifications shall list the name, address and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; and the geographical area in which the subcontract is to be performed.
4. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" is (insert description of the geographical areas where the contract is to be performed giving the state, county and city, if any)

CONTRACTOR'S EEO CERTIFICATION FORM

Certification with regard to the Performance of Previous Contracts of Subcontracts subject to the Equal Opportunity Clause and the filing of Required Reports.

The bidder _____, proposed subcontractor _____, hereby certifies that he/she has _____, has not _____, participated in a previous contract or subcontract subject to the equal opportunity clause, as required by Executive Orders 10925, 11114, or 11246 as amended, and that he/she has _____, has not _____, filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

_____	_____	_____
Company	By	Title

NOTE: The above certification is required by the Equal Employment Opportunity regulations of the Secretary of Labor (41 CFR 60-1.7(b) (1)), and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5 (Generally only contracts or subcontracts of \$10,000 or under are exempt.) Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7 (b) (1) prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration, or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

**STATE OF VERMONT
AGENCY OF TRANSPORTATION
CERTIFICATE OF COMPLIANCE**

For a bid/proposal to be considered valid, this form must be completed in its entirety, executed by a duly authorized representative of the bidder, and submitted as part of the response to the proposal.

A. NON-COLLUSION: The undersigned certifies under the penalties of perjury under the laws of the State of Vermont and the United States that it has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action, in restraint of free competitive bidding in connection with the submitted bid/proposal.

B. DEBARMENT: The undersigned certifies under the penalties of perjury under the laws of the State of Vermont and the United States that it:

1. Is not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency; and
2. Has not within a three-year period preceding this bid/proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property; and
3. Is not presently indicted for, or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph 2 above; and
4. Has not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
5. **Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this bid/proposal, including whom it applies and dates of action. Exceptions will not necessarily result in denial of award but will be considered in determining bidder eligibility and/or responsibility. Providing false information may result in criminal prosecution or administration sanctions.**

C. BYRD ANTI-LOBBYING: The undersigned hereby certifies, by signing and submitting this bid/proposal, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or

employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
3. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction as required by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.
4. The undersigned also agrees by submitting its bid/proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

E. WORKER CLASSIFICATION COMPLIANCE REQUIREMENT: In accordance with Section 32 of The Vermont Recovery and Reinvestment Act of 2009 (Act No. 54), the following provisions and requirements apply to the undersigned when the total project costs exceed \$250,000.00.

Bidder is required to self-report the following information relating to past violations, convictions, suspensions, and any other information related to past performance and likely compliance with proper coding and classification of employees. The Agency of Transportation is requiring information on any incidents that occurred in the previous 12 months. Attach additional pages as necessary. **If not applicable, please enter 'Not Applicable' or 'N/A' below.**

Summary of Detailed Information	Date of Notification	Outcome

Bidder hereby certifies that the company/individual is in compliance with the requirements as detailed in Section 32 of Act 54(2009), as amended by Section 17 of Act 142 (2010) and further amended by Section 6 of Act 50 (2011).

Subcontractor Reporting.

A. **Contracts for Services.** The undersigned hereby acknowledges and agrees that if it is a successful bidder, prior to execution of any contract resulting from this solicitation, the undersigned will provide to the State a list of all proposed subcontractors and subcontractors' subcontractors, together with the identity of those subcontractors' workers compensation insurance providers, and additional required or requested information, as applicable, in accordance with Section 32 of The Vermont Recovery and Reinvestment Act of 2009 (Act No. 54), the undersigned will provide any update of such list to the State as additional subcontractors are hired. The undersigned further acknowledges and agrees that the failure to submit subcontractor reporting in accordance with Section 32 of The Vermont Recovery and Reinvestment Act of 2009 (Act No. 54) will constitute non-compliance and may result in cancellation of contract and/or restriction from bidding on future state contracts.

B. **Construction Contracts.** The Contractor is required to provide a list of subcontractors on the job along with lists of subcontractor's subcontractors and by whom those subcontractors are insured for workers' compensation purposes. This is not a requirement for subcontractor's providing supplies only and no labor to the overall contract or project.

Additionally, the Contractor shall collect and retain evidence of subcontractors' workers' compensation insurance, such as the ACORD insurance coverage summary sheet. Agency of Transportation will periodically verify the Contractor's compliance.

This information must be updated as necessary and provided to the State as additional subcontractors are hired. If none, please enter 'Not Applicable' or 'N/A' below.

Sub-Contractor	Insured By	Sub-Contractor's Sub	Insured By

The undersigned further acknowledges and agrees that the failure to submit subcontractor reporting in accordance with Section 32 of The Vermont Recovery and Reinvestment Act of 2009 (Act No. 54), and as amended will constitute non-compliance and may result in cancellation of contract and/or restriction from bidding on future state contracts.

As a duly authorized representative of the bidder, I hereby certify that the information above is true and correct.

Date: _____

Duly Authorized Signature: _____

Name and Title of Person Signing: _____
(Duly Authorized Signer)

Company Name: _____

Company Address: _____

E-Mail Address: _____

Minimum Labor and Truck Rates
Under Title 19, Vermont Statutes
Annotated Section 18, as amended

April 3, 1997
Sheet 1 of 1

**STATE OF VERMONT
AGENCY OF TRANSPORTATION
MONTPELIER**

FOR OTHER THAN FEDERAL-AID. In accordance with the provisions of Title 19, VSA, Section 18, the following minimum rate for labor shall apply to this project:

The minimum wage for common labor will not be less than the State or Federal minimum wage, whichever is higher.

ON FEDERAL-AID PROJECTS ONLY.

The minimum rates for labor for Federal-Aid Projects shall be those set in the Wage Determination Decision of the U.S. Secretary of Labor for each project in accordance with the Federal-Aid Highway Act of 1956. When such wage rates are required they shall be included in the proposal. In the event these rates are lower than the Vermont rates, the Vermont rates shall prevail.

TRUCK RATES. In accordance with the provisions of Title 19, VSA, Section 18, the following minimum rates for trucks shall apply to this project:

<u>Trucks, not Including Driver</u> <u>Water Level Body Capacity</u>	<u>Minimum Rates</u> <u>Per YD per Hr.</u>
Trucks, Equipment Loaded	\$1.65

STATE OF VERMONT
AGENCY OF TRANSPORTATION
MONTPELIER

COMMODITY INDEX PRICES.

- (a) Price Adjustment, Asphalt. When Item 690.0300 is included in the Contract, asphalt price adjustment will be performed according to the requirements of Section 690 for all asphalt and emulsified asphalt incorporated into the work, including that incorporated under Special Specification pay items.
- (b) Price Adjustment, Fuel. When Item 690.0400 is included in the Contract, fuel price adjustment will be performed according to the requirements of Section 690 for the pay items specified therein, and for any pay items identified in the Special Provisions as being eligible for fuel price adjustment.
- (c) Commodity Index Prices. The Index Prices for asphalt and fuel for this Contract are specified in Table 1.

TABLE 1 – COMMODITY INDEX PRICES FOR THIS CONTRACT

	Asphalt (dollars/ton)	Fuel (dollars/gallon)
Index Price	\$621.00	\$4.01

**VERMONT AGENCY OF TRANSPORTATION
PROPOSAL SCHEDULE OF PAY ITEMS**

LETTING DATE: 05/02/2025 11:00 AM

CONTRACT ID: C03197

PROJECT(S): COLCHESTER HES NH 5600(14)C/2 (Re-Ad)

ITEM NO.	DESCRIPTION	QUANTITY	UNITS
ITEMS COMMON TO ALL ALTERNATES			
201.1000	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	1.000	LS
203.1500	COMMON EXCAVATION	32,893.000	CY
203.1600	SOLID ROCK EXCAVATION	5,602.000	CY
203.2000	MUCK EXCAVATION	229.000	CY
203.3000001	CLAY BORROW	1,111.000	CY
203.3100	SAND BORROW	8,820.000	CY
204.2000	TRENCH EXCAVATION OF EARTH	4,079.000	CY
204.2100	TRENCH EXCAVATION OF ROCK	259.000	CY
204.2200	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	2.000	CY
204.2500	STRUCTURE EXCAVATION	194.000	CY
204.3000	GRANULAR BACKFILL FOR STRUCTURES	895.000	CY
205.1000	DRILLING AND BLASTING OF SOLID ROCK SUBGRADE	806.000	SY
210.1000	COARSE-MILLING, BITUMINOUS PAVEMENT	48,665.000	SY
225.0500	RETAINING WALL, CONCRETE (WALL 3)	1.000	LS
225.0500	RETAINING WALL, CONCRETE (WALL 4)	1.000	LS
250.0100	CONSTRUCTION VIBRATION AND CRACK MONITORING	1.000	LS
301.3500	SUBBASE OF DENSE GRADED CRUSHED STONE	14,370.000	CY
402.1200	AGGREGATE SHOULDERS	32.000	TON
404.1100	TACK COAT, EMULSIFIED ASPHALT	525.000	CWT
406.0210	BITUMINOUS CONCRETE PAVEMENT, TYPE IIS, QA TIER I	7,489.000	TON
406.0320	BITUMINOUS CONCRETE PAVEMENT, TYPE IIIS, QA TIER II	1,565.000	TON
406.0410	BITUMINOUS CONCRETE PAVEMENT, TYPE IVS, QA TIER I	9,496.000	TON
406.2400	BITUMINOUS CONCRETE PAVEMENT, SURFACE PREPARATION, TYPE IVS	50.000	TON
406.3400	BITUMINOUS CONCRETE PAVEMENT, NON-PAVER PLACED, TYPE IVS	1,420.000	SY
406.9100	PAY ADJUSTMENT, BCP, MIXTURE PROPERTIES (N.A.B.I.)	2.000	DL
406.9200	PAY ADJUSTMENT, BCP, MAT DENSITY (N.A.B.I.)	2.000	DL
406.9300	PAY ADJUSTMENT, BCP, LONGITUDINAL JOINT DENSITY (N.A.B.I.)	2.000	DL
406.9400	PAY ADJUSTMENT, BCP, PAVEMENT ROUGHNESS (N.A.B.I.)	2.000	DL
507.1100	REINFORCING STEEL, LEVEL I	7,032.000	LB
514.1000	WATER REPELLENT, SILANE	5.000	GAL
525.5400001	CONCRETE SINGLE SLOPE BARRIER	342.000	LF
541.2200	CONCRETE, CLASS B	122.000	CY
541.4500	FLOWABLE FILL	34.000	CY
601.2615	18 INCH CPEP(SL)	734.000	LF
601.2620	24 INCH CPEP(SL)	460.000	LF
601.2625	30 INCH CPEP(SL)	370.000	LF
601.2630	36 INCH CPEP(SL)	153.000	LF
601.7015	18 INCH CPEPES	4.000	EACH
601.7020	24 INCH CPEPES	4.000	EACH
601.7025	30 INCH CPEPES	3.000	EACH
601.7030	36 INCH CPEPES	1.000	EACH
601.9950	CLEANING CULVERT PIPE, IN-PLACE (0 TO 24 INCHES, INCLUSIVE)	2,710.000	LF
604.1800	PRECAST REINFORCED CONCRETE DI WITH CAST IRON GRATE	12.000	EACH
604.2000	PRECAST REINFORCED CONCRETE CATCH BASIN WITH CAST IRON GRATE	12.000	EACH

**VERMONT AGENCY OF TRANSPORTATION
PROPOSAL SCHEDULE OF PAY ITEMS**

LETTING DATE: 05/02/2025 11:00 AM

CONTRACT ID: C03197

PROJECT(S): COLCHESTER HES NH 5600(14)C/2 (Re-Ad)

ITEM NO.	DESCRIPTION	QUANTITY	UNITS
604.2100	PRECAST REINFORCED CONCRETE MANHOLE WITH CAST IRON COVER	4.000	EACH
604.4000	CHANGING ELEVATION OF DIS, CATCH BASINS, OR MANHOLES	7.000	EACH
604.4101	REHABILITATING DIS, CATCH BASINS, OR MANHOLES, CLASS I	21.000	EACH
604.4200	CHANGING ELEVATION OF SEWER MANHOLES	4.000	EACH
604.4501	CAST IRON GRATE WITH FRAME, TYPE A	3.000	EACH
604.4502	CAST IRON GRATE WITH FRAME, TYPE B	2.000	EACH
604.4505	CAST IRON GRATE WITH FRAME, TYPE E	4.000	EACH
604.5500	CAST IRON COVER WITH FRAME	1.000	EACH
605.1008	UNDERDRAIN PIPE, 8 INCH	2,643.000	LF
605.2006	UNDERDRAIN CARRIER PIPE, 6 INCH	20.000	LF
605.2008	UNDERDRAIN CARRIER PIPE, 8 INCH	195.000	LF
605.9500	UNDERDRAIN FLUSHING BASIN	15.000	EACH
608.2502	ALL-PURPOSE EXCAVATOR RENTAL, TYPE II	16.000	HR
608.3002	POWER BROOM RENTAL, TYPE II	16.000	HR
608.3700	TRUCK RENTAL	16.000	HR
609.1000	DUST CONTROL WITH WATER	1,061.000	MGAL
610.1000	GNSS MACHINE CONTROL GRADING	1.000	LS
610.2000	GNSS CONSTRUCTION INSPECTION EQUIPMENT	2.000	EACH
610.2500	GNSS CONSTRUCTION INSPECTION SURFACE MODELS	1.000	LS
613.1001	STONE FILL, TYPE I	114.000	CY
613.1002	STONE FILL, TYPE II	100.000	CY
613.1510	RIPRAP, LIGHT TYPE	4.000	CY
616.2000	GRANITE SLOPE EDGING	1,480.000	LF
616.2100	VERTICAL GRANITE CURB	3,038.000	LF
616.2150	VERTICAL GRANITE CURB, MOUNTABLE	2,738.000	LF
616.2702	CAST-IN-PLACE CONCRETE CURB, TYPE B	1,098.000	LF
616.4100	REMOVAL OF EXISTING CURB	299.000	LF
617.1100	REMOVE AND RESET MAILBOX, SINGLE SUPPORT	3.000	EACH
618.1005	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	2,253.000	SY
618.1008	PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH	159.000	SY
618.3000	DETECTABLE WARNING SURFACE	442.000	SF
618.4108	STAMPED CONCRETE ISLAND, 8 INCH	769.000	SY
619.1700	YIELDING MARKER POSTS	26.000	EACH
620.1006	CHAIN-LINK FENCE, 6 FOOT	100.000	LF
620.1008	CHAIN-LINK FENCE, 8 FOOT	159.000	LF
620.1506	GATE FOR CHAIN-LINK FENCE, 6 FOOT	12.000	LF
620.1508	GATE FOR CHAIN-LINK FENCE, 8 FOOT	16.000	LF
620.2006	BRACING ASSEMBLY FOR CHAIN-LINK FENCE, 6 FOOT	4.000	EACH
620.2008	BRACING ASSEMBLY FOR CHAIN-LINK FENCE, 8 FOOT	2.000	EACH
620.5500	REMOVAL OF EXISTING FENCE	189.000	LF
621.0100	REMOVAL OF GUARDRAIL	699.000	LF
621.0200	REMOVE AND RESET TEMPORARY TRAFFIC BARRIER	2,000.000	LF
621.1060	STEEL BEAM GUARDRAIL	949.000	LF
621.2400	TEMPORARY TRAFFIC BARRIER	2,000.000	LF
621.3020	MTS, MGS, TANGENT, TL-2	8.000	EACH

**VERMONT AGENCY OF TRANSPORTATION
PROPOSAL SCHEDULE OF PAY ITEMS**

LETTING DATE: 05/02/2025 11:00 AM

CONTRACT ID: C03197

PROJECT(S): COLCHESTER HES NH 5600(14)C/2 (Re-Ad)

ITEM NO.	DESCRIPTION	QUANTITY	UNITS
621.7130	ENERGY ABSORPTION ATTENUATOR, PERMANENT, TL-3	2.000	EACH
622.1000	INSULATION BOARD	0.010	MFBM
625.1012	SLEEVES FOR UTILITIES, HDPE, 12 INCH	1,466.000	LF
625.2004	SLEEVES FOR UTILITIES, PVC, 4 INCH	10.000	LF
625.2012	SLEEVES FOR UTILITIES, PVC, 12 INCH	20.000	LF
625.6000001	TRAFFIC SIGNAL INTERCONNECTION CABLE	4,860.000	LF
625.6002	WIRED CONDUIT, 2 INCH	11,767.000	LF
625.6003	WIRED CONDUIT, 3 INCH	399.000	LF
625.7000	POWER DROP STANCHION	6.000	EACH
625.7010	JUNCTION BOX	51.000	EACH
629.2800	ADJUST ELEVATION OF VALVE BOX	35.000	EACH
629.3600	RELOCATE HYDRANT	2.000	EACH
630.1000	UNIFORMED TRAFFIC OFFICERS	3,450.000	HR
630.1500	FLAGGERS	16,600.000	HR
631.1000	FIELD OFFICE, ENGINEER'S	1.000	LS
631.1600	TESTING EQUIPMENT, CONCRETE	1.000	LS
631.1700	TESTING EQUIPMENT, BITUMINOUS	1.000	LS
631.2600	FIELD OFFICE COMMUNICATIONS (N.A.B.I.)	6,000.000	DL
633.1000	CPM SCHEDULE	20.000	EACH
634.1000	EMPLOYEE TRAINEESHIP	1,040.000	HR
635.1100	MOBILIZATION/DEMOBILIZATION	1.000	LS
641.1100	TRAFFIC CONTROL, ALL-INCLUSIVE	1.000	LS
641.1200	MAINTENANCE OF PEDESTRIAN TRAFFIC	1.000	LS
641.1500	PORTABLE CHANGEABLE MESSAGE SIGN	6.000	EACH
641.1600	PORTABLE ARROW BOARD	6.000	EACH
641.2100	TEMPORARY TRAFFIC CONTROL SIGNAL SYSTEM, FIXED	5.000	EACH
646.4040	DURABLE 4 INCH WHITE LINE, POLYUREA	741.000	LF
646.4080	DURABLE 4 INCH WHITE LINE, RECESSED THERMOPLASTIC	20,519.000	LF
646.4180	DURABLE 4 INCH YELLOW LINE, RECESSED THERMOPLASTIC	18,286.000	LF
646.4280	DURABLE 6 INCH WHITE LINE, RECESSED THERMOPLASTIC	1,742.000	LF
646.4380	DURABLE 6 INCH YELLOW LINE, RECESSED THERMOPLASTIC	704.000	LF
646.4480	DURABLE 8 INCH WHITE LINE, RECESSED THERMOPLASTIC	290.000	LF
646.4580	DURABLE 8 INCH YELLOW LINE, RECESSED THERMOPLASTIC	2,272.000	LF
646.4680	DURABLE 12 INCH WHITE LINE, RECESSED THERMOPLASTIC	1,550.000	LF
646.4880	DURABLE 24 INCH STOP BAR, RECESSED THERMOPLASTIC	691.000	LF
646.4940	DURABLE LETTER OR SYMBOL, POLYUREA	40.000	EACH
646.4980	DURABLE LETTER OR SYMBOL, RECESSED THERMOPLASTIC	253.000	EACH
646.5080	DURABLE CROSSWALK MARKING, RECESSED THERMOPLASTIC	663.000	LF
646.6000	TEMPORARY 4 INCH WHITE LINE	136,356.000	LF
646.6100	TEMPORARY 4 INCH YELLOW LINE	24,240.000	LF
646.6800	TEMPORARY 24 INCH STOP BAR	660.000	LF
646.6900	TEMPORARY LETTER OR SYMBOL	121.000	EACH
646.7020	TEMPORARY CROSSWALK MARKING, PAINT	660.000	LF
646.7600	LINE STRIPING TARGETS	1,841.000	EACH
646.9001	COLOR PAVEMENT MARKINGS, GREEN	2,957.000	SF

**VERMONT AGENCY OF TRANSPORTATION
PROPOSAL SCHEDULE OF PAY ITEMS**

LETTING DATE: 05/02/2025 11:00 AM

CONTRACT ID: C03197

PROJECT(S): COLCHESTER HES NH 5600(14)C/2 (Re-Ad)

ITEM NO.	DESCRIPTION	QUANTITY	UNITS
649.1100	GEOTEXTILE FOR ROADBED SEPARATOR	14,558.000	SY
649.3100	GEOTEXTILE UNDER STONE FILL	115.000	SY
651.1500	TURF ESTABLISHMENT, GENERAL SEED	32,205.000	SY
651.1600	TURF ESTABLISHMENT, SPECIALTY SEED	1,075.000	SY
651.1800	TURF ESTABLISHMENT, SOD	645.000	SY
651.3500	TOPSOIL	3,612.000	CY
651.4012	GRUBBING MATERIAL, 12 INCH	289.000	SY
653.0100	EPSC PLAN	1.000	LS
653.0200	MONITORING EPSC PLAN	240.000	HR
653.0300	MAINTENANCE OF EPSC PLAN (N.A.B.I.)	10,000.000	DL
653.1000	HAY MULCH	13.000	TON
653.2001	ROLLED EROSION CONTROL PRODUCT, TYPE I	4,027.000	SY
653.2501	CHECK DAM, TYPE I	178.000	CY
653.3500	STABILIZED CONSTRUCTION ENTRANCE	22.000	CY
653.4001	INLET PROTECTION DEVICE, TYPE I	19.000	EACH
653.4002	INLET PROTECTION DEVICE, TYPE II	38.000	EACH
653.4003	INLET PROTECTION DEVICE, TYPE III	26.000	CY
653.4701	SILT FENCE, TYPE I	1,468.000	LF
653.5000	BARRIER FENCE	1,374.000	LF
653.5500	PROJECT DEMARCATION FENCE	6,080.000	LF
656.2002	EVERGREEN TREES, MEDIUM	18.000	EACH
656.2500	EVERGREEN SHRUBS	71.000	EACH
656.3002	DECIDUOUS TREES, MEDIUM	5.000	EACH
656.3003	DECIDUOUS TREES, LARGE	26.000	EACH
656.3500	DECIDUOUS SHRUBS	517.000	EACH
656.6500	LANDSCAPE WATERING	260.000	MGAL
656.6500001	REMOVE AND RESET PRIVATE IRRIGATION SYSTEM	1.000	EACH
656.8000	LANDSCAPE BACKFILL, TRUCK MEASUREMENT	1,191.000	CY
656.8500	TREE PROTECTION	1.000	LS
675.2000	TRAFFIC SIGN, FLAT SHEET ALUMINUM	1,608.000	SF
675.2100	TRAFFIC SIGN, EXTRUDED ALUMINUM	1,933.000	SF
675.3300	TUBULAR STEEL SIGN POST	684.000	LB
675.3410	SQUARE TUBE SIGN POST AND ANCHOR	1,995.000	LF
675.3500	SOIL BEARING SLIP BASE	10.000	EACH
675.4300	FOUNDATION FOR TUBULAR STEEL POST	6.000	EACH
675.5000	SIGN REMOVAL, FLAT SHEET ALUMINUM	113.000	EACH
675.5100	SIGN REMOVAL, EXTRUDED ALUMINUM	4.000	EACH
675.6000001	REMOVE AND RESET PRIVATE SIGN ASSEMBLY, NON-LIGHTED	1.000	EACH
675.6000002	REMOVE AND RESET PRIVATE SIGN ASSEMBLY, LIGHTED	1.000	EACH
676.1000	DELINEATOR WITH STEEL POST	15.000	EACH
677.1300	OVERHEAD TRAFFIC SIGN SUPPORT, MULTI-SUPPORT	4.000	EACH
677.1300001	BRIDGE-MOUNTED OVERHEAD TRAFFIC SIGN SUPPORT	4.000	EACH
678.1000	REMOVAL OF EXISTING TRAFFIC CONTROL SIGNAL SYSTEM	7.000	EACH
678.2005	CABINET ASSEMBLY	7.000	EACH
678.2005001	NATURAL GAS-POWERED BACKUP GENERATOR	2.000	EACH

VERMONT AGENCY OF TRANSPORTATION
PROPOSAL SCHEDULE OF PAY ITEMS

LETTING DATE: 05/02/2025 11:00 AM

CONTRACT ID: C03197

PROJECT(S): COLCHESTER HES NH 5600(14)C/2 (Re-Ad)

ITEM NO.	DESCRIPTION	QUANTITY	UNITS
678.2010	MAST ARM POLE FOUNDATION	24.000	EACH
678.2015	PEDESTAL POST ASSEMBLY	18.000	EACH
678.2020	PEDESTRIAN SIGNAL ASSEMBLY	22.000	EACH
678.2020001	RRFB, AC-POWERED, SINGLE SIDED	12.000	EACH
678.2025	TRAFFIC SIGNAL ASSEMBLY	24.000	EACH
678.2030	TRAFFIC SIGNAL HEAD ASSEMBLY	75.000	EACH
678.2040	VEHICLE DETECTION SYSTEM	6.000	EACH
678.2045	PAN-TILT-ZOOM CAMERA	7.000	EACH
678.2050	EMERGENCY VEHICLE PREEMPTION SYSTEM	6.000	EACH
679.2400	REMOVE STREET LIGHT ASSEMBLY	17.000	EACH
679.2500	REMOVE AND RESET LIGHT POLE	2.000	EACH
679.2600	REMOVE AND RESET PRIVATE LIGHT ASSEMBLY	7.000	EACH
679.4600	STREET LIGHT ASSEMBLY	36.000	EACH
679.4700	BRACKET ARM	15.000	EACH
679.5000	LUMINAIRE	19.000	EACH
679.5400	STREET LIGHTING CONTROL DEVICE	6.000	EACH
690.0300	PRICE ADJUSTMENT, ASPHALT (N.A.B.I.)	2.000	DL
690.0400	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	2.000	DL