

MAINE TURNPIKE AUTHORITY

ADDENDUM NO. 5

CONTRACT 2022.04

BRIDGE REPAIRS

ROUTE 236 UNDERPASS (MM 1.25)

ROUTE 1 OFF-RAMP (RAMP J) UNDERPASS (MM 1.50)

ROUTE 1 ON-RAMP (RAMP H) UNDERPASS (MM 1.60)

WILSON ROAD UNDERPASS (MM 2.00)

SPRUCE CREEK OVERPASS (MM 2.20)

LITTLEFIELD ROAD (MM 17.30)

EMERGENCY VEHICLE RAMPS

LITTLEFIELD ROAD (MM 17.30)

Questions:

The following are questions submitted to the Maine Turnpike Authority in writing. Answers to the questions are noted. Bidders shall utilize this information in preparing their bid.

Question 1: Can MTA confirm there is only one message board required for the project. If this is not the case can the MTA provide how many messages boards are required for each of the 6 bridges and how many are required at the EVR.

Response: *See Special Provision Section 652.2.5, Portable Changeable Message Sign (SP-129/130) for the requirements for PCMS including that the Contractor is required to provide PCMS a minimum of “seven days prior to implementing traffic shifts, detours or stoppages”. Several of the work locations include detours and/or traffic shifts. Each work zone approach requires a PCMS in accordance with 652.2.5. Based on these requirements, the minimum number of PCMS signs required at each location are:*

*Route 236 – 3 PCMS**

Route 1 Off-Ramp (Ramp J) – 1 PCMS

Route 1 On-Ramp (Ramp H) – 1 PCMS

Wilson Road – 2 PCMS

Spruce Creek – 2 PCMS

Littlefield Road – 2 PCMS

Littlefield Road EVR – 2 PCMS

**In accordance with Special Provision Section 652 (Specific Project Maintenance of Traffic Requirements), modified in Bid Addendum No. 1, “the Contractor shall place and be prepared to post a warning message to a PCMS along the C-D Roadway for stopped traffic on the ramp.”*

In addition to the PCMS required on the approaches to each bridge, PCMS shall be required for work under the bridges. Therefore, if the Contractor elects to close lanes on an underpass and on the Turnpike below that underpass concurrently, additional PCMS will be required.

The Contractor is responsible for the sequencing of the work, including the potential for concurrent work, within the limitations of the contract. The total number of PCMS required at any one time will be dependent on the Contractor's sequencing. Additionally, see Maintenance of Traffic General Note #11 on Sheet 4 which indicates that the quantities shown in the plans are approximate and for information only. The Contractor is responsible for providing all traffic control devices necessary to accommodate their approved traffic control plans.

Make the following changes to the bid documents:

In the Contract Documents, Part 2 – Special Provisions, after Section 105.8.2, Permit Requirements **ADD** attached permit for the work at the Littlefield Road EVR.

In the Contract Documents, Part 2 – Special Provisions, **REMOVE** Special Provision Section 520 – Expansion Devices – Non-Modular (Silicone Coated and Pre-compressed Seal) and **REPLACE** with the attached revised Special Provision Section 520 – Expansion Devices – Non-Modular (Silicone Coated and Pre-compressed Seal).

Attachments

- Army Corp of Engineers Permit NAE-2021-03247 (4 pages)
- Special Provision Section 520 – Expansion Devices – Non-Modular (Silicone Coated and Pre-compressed Seal) (4 pages)

Note: The above items shall be considered as part of the bid submittal.

The total number of pages included with this addendum is eleven (11).

All bidders are requested to acknowledge the receipt of the Addendum No. 5 by signing below and faxing this sheet to Nate Carl, Purchasing Department, (207) 871-7739. Bidders are also required to acknowledge receipt of this Addendum No. 5 on Page P-11 of the bid package.

Business Name

Print Name and Title

Signature

Date

February 17, 2022

Very truly yours,

MAINE TURNPIKE AUTHORITY

Purchasing Manager
Maine Turnpike Authority



REPLY TO ATTENTION OF

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

Maine Turnpike Authority
2360 Congress Street
Portland, Maine 04102
sdonohue@maineturnpike.com

CORPS PERMIT # NAE-2021-03247
CORPS GPs 10
STATE ID# NRPA

DESCRIPTION OF WORK:

Place permanent and temporary fill within freshwater wetlands at off of Littlefield Road in Wells, Maine in order to reconstruct emergency vehicle ramps. This work will result in approximately 3.028 s.f. of permanent and 1.117 s.f. of temporary wetland impact and is shown on the attached plans entitled "Figure 1: Littlefield Road" on 1 sheet and not dated and "LITTLEFIELD ROAD EMERGENCY VEHICLE RAMPS SOUTHBOUD GENERAL PLAN" on 1 sheet and dated "10/29/21".

LAT/LONG COORDINATES: 43.29770° N -70.616326° W USGS QUAD: Wells, ME

I. CORPS DETERMINATION:

Based on our review of the information you provided, we have determined that your project will have only minimal individual and cumulative impacts on waters and wetlands of the United States. Your work is therefore authorized by the U.S. Army Corps of Engineers under the Federal Permit, the Maine General Permits (GPs) which can be found at: https://www.nae.usace.army.mil/Missions/Regulatory/State-General-Permits/Maine-General-Permit/ Accordingly, we do not plan to take any further action on this project.

You must perform the activity authorized herein in compliance with all the terms and conditions of the GP [including any attached Additional Conditions and any conditions placed on the State 401 Water Quality Certification including any required mitigation]. Please review the enclosed GPs, including the GPs conditions beginning on page 5, to familiarize yourself with its contents. You are responsible for complying with all of the GPs requirements; therefore you should be certain that whoever does the work fully understands all of the conditions. You may wish to discuss the conditions of this authorization with your contractor to ensure the contractor can accomplish the work in a manner that conforms to all requirements.

If you change the plans or construction methods for work within our jurisdiction, please contact us immediately to discuss modification of this authorization. This office must approve any changes before you undertake them.

Condition 45 of the GPs (page 19) provides one year for completion of work that has commenced or is under contract to commence prior to the expiration of the GPs on October 14, 2025. You will need to apply for reauthorization for any work within Corps jurisdiction that is not completed by October 14, 2026.

This authorization presumes the work shown on your plans noted above is in waters of the U.S. Should you desire to appeal our jurisdiction, please submit a request for an approved jurisdictional determination in writing to the undersigned.

No work may be started unless and until all other required local, State and Federal licenses and permits have been obtained. This includes but is not limited to a Flood Hazard Development Permit issued by the town if necessary.

II. STATE ACTIONS: PENDING [X], ISSUED [], DENIED [] DATE

APPLICATION TYPE: PBR: X, TIER 1: , TIER 2: , TIER 3: , LURC: , DMR LEASE: , NA:

III. FEDERAL ACTIONS:

JOINT PROCESSING MEETING: NA LEVEL OF REVIEW: SELF-VERIFICATION: X PRE-CONSTRUCTION NOTIFICATION:

AUTHORITY (Based on a review of plans and/or State/Federal applications): SEC 10, 404 X 10/404, 103

EXCLUSIONS: The exclusionary criteria identified in the general permit do not apply to this project.

FEDERAL RESOURCE AGENCY OBJECTIONS: EPA NO, USF&WS NO, NMFS NO

If you have any questions on this matter, please contact my staff at 978-318-8676 at our Augusta, Maine Project Office. In order for us to better serve you, we would appreciate your completing our Customer Service Survey located at: http://corpsmapu.usace.army.mil/cm_apex/f?p=136:4:0

Richard Kristoff Jr. Digitally signed by Richard Kristoff Jr. Date: 2022.02.03 07:40:33 -05'00'

Richard Kristoff Jr. Digitally signed by Richard Kristoff Jr. Date: 2022.02.03 07:40:55 -05'00'

RICHARD KRISTOFF
SENIOR PROJECT MANAGER
MAINE PROJECT OFFICE

FOR FRANK J. DEL GIUDICE
CHIEF, PERMITS & ENFORCEMENT BRANCH
REGULATORY DIVISION



**US Army Corps
of Engineers**[®]
New England District

**PLEASE NOTE THE FOLLOWING GENERAL AND SPECIAL CONDITIONS FOR
DEPARTMENT OF THE ARMY
MAINE GENERAL PERMITS 10
PERMIT NO. NAE-2021-03247**

GENERAL CONDITIONS

3. 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 of Maine or local approvals including a Flood Hazard Development Permit issued by the town/city. Work that is not regulated by the State of Maine, but is subject to Corps jurisdiction, may still be eligible for authorization under these GPs.

23. Soil Erosion, Sediment, and Turbidity Controls.

a. Adequate sedimentation and erosion control management measures, practices and devices, such as phased construction, installation of sediment control barriers (i.e. silt fence, vegetated filter strips, geotextile silt fences, erosion control mixes, hay bales or other devices) downhill of all exposed areas, retention of existing vegetated buffers, application of temporary mulching during construction, and permanent seeding and stabilization shall be installed and properly maintained to reduce erosion and retain sediment on-site during and after construction. They shall be capable of preventing erosion; of collecting sediment, suspended and floating materials; and of filtering fine sediment.

b. Temporary sediment control barriers shall be removed upon completion of work, but not until all disturbed areas are permanently stabilized. The sediment collected by these sediment barriers shall be removed and placed at an upland location and stabilized to prevent its later erosion into a waterway or wetland.

c. All exposed soil and other fills shall be permanently stabilized at the earliest practicable date.

26. Temporary Fill.

a. Temporary fills, including but not limited to 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 waters of the U.S.

b. All temporary fill and disturbed soils shall be stabilized to prevent its eroding into waters of the U.S. 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 shall be placed in a manner that will prevent it from being eroded by expected high flows.

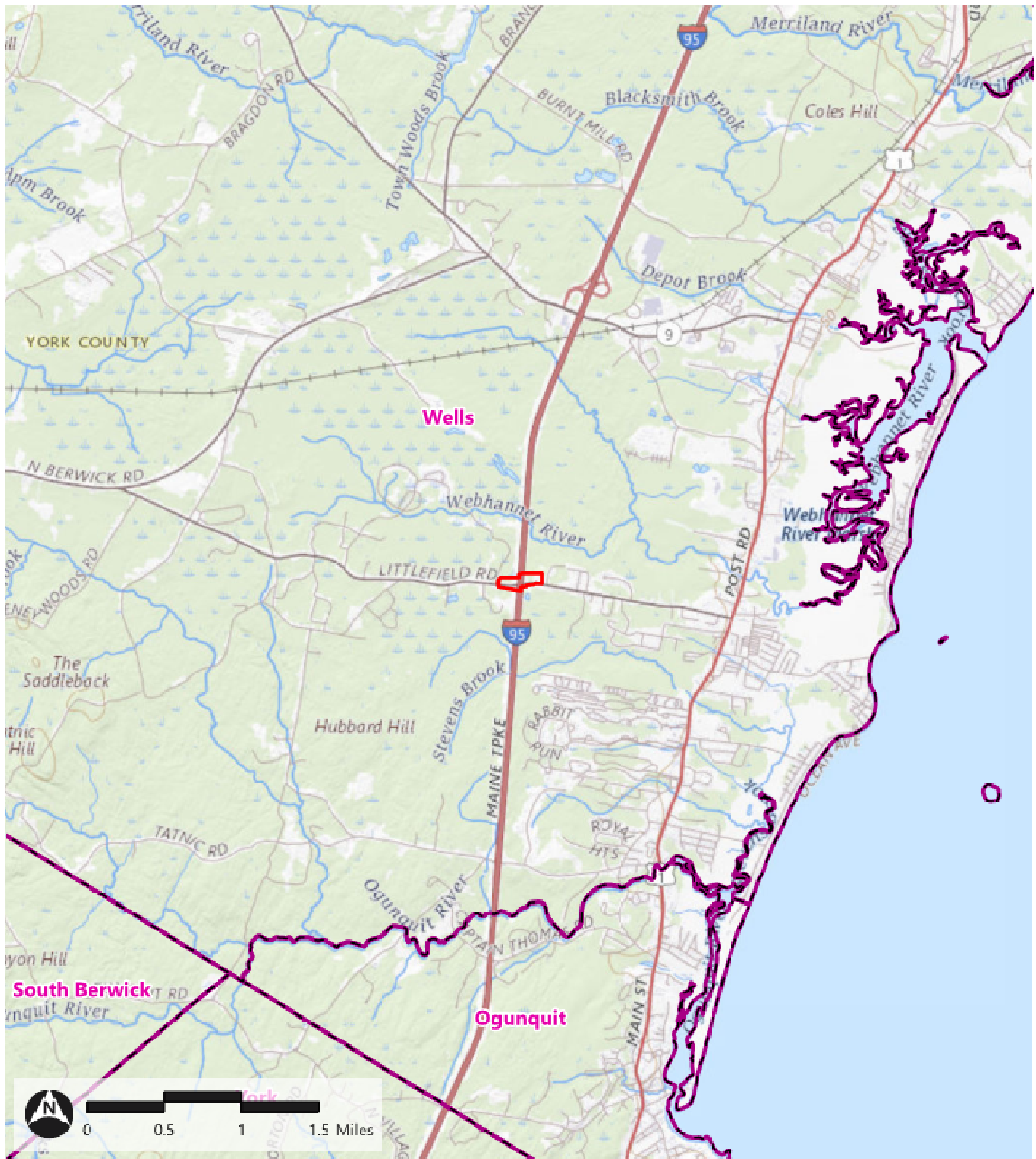
c. Unconfined temporary fill authorized for discharge into waters of the U.S. shall consist of material that minimizes impacts to water quality (e.g. washed stone, stone, etc.).

d. Appropriate measures shall 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 placed or otherwise located in waters of the U.S.

33. Permit(s)/Authorization Letter On-Site. The permittee shall ensure that a copy of the terms and conditions of these GPs and any accompanying authorization letter with attached plans are at the site of the work authorized by these GPs whenever work is being performed and that all construction personnel performing work which may affect waters of the U.S. are fully aware of the accompanying terms and conditions. The entire permit authorization shall be made a part of any and all contracts and subcontracts for work that affects areas of Corps 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 all terms and conditions of the GPs, the GPs, and the authorization letter (including its drawings, plans, appendices and other attachments) and subsequent permit modifications as applicable. 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 subcontract. Although the permittee may assign various aspects of the work to different contractors or subcontractors, all contractors and subcontractors shall be obligated by contract to comply with all environmental protection provisions contained within the entire GP authorization,

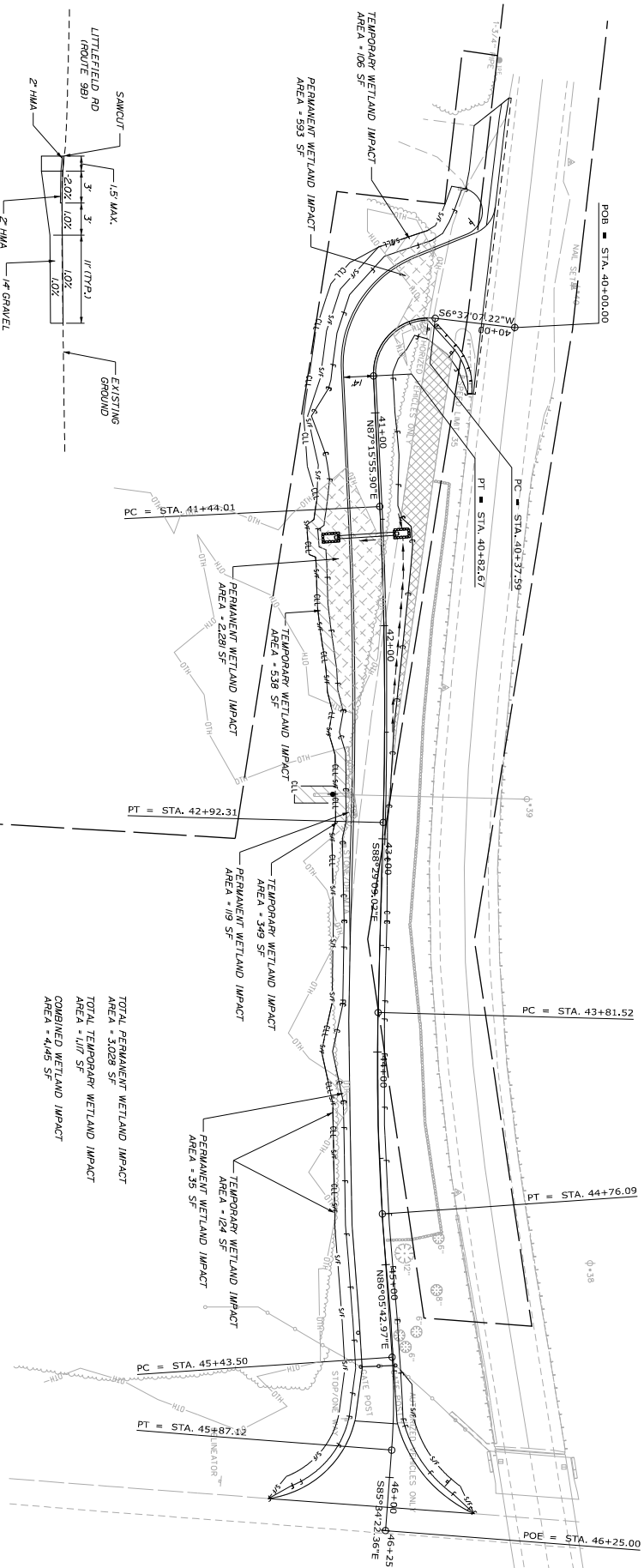
Figure 1: Littlefield Road
Disturbance Plan | Wells, ME



- Limit of Disturbance
- Town Boundary

Source: VHB, MEGIS, ESRI

Path: \\vhb.com\gis\proj\SPortland\55345.00 2022 Southern Bridges\Project\Littlefield Road\Littlefield Road.aprx (lburbank, 12/7/2021)



SECTION A-A (DRIVEWAY DETAIL)
NOT TO SCALE

Scale: 25' = 1" (25' = 0" to 80')

No.	Revision	By	Date

Designed by: **vhb**

By	Date	Checked	Date

CONSULTANT PROJECT MANAGER: G. Edgington

By	Date	Checked	Date

DESIGNED BY: BMD
CHECKED BY: AG
DATE: 10/29/21

VANASSE HANGEN BRUSTLIN, INC.
500 Southborough Dr.
South Portland, ME 04106
TEL (207) 889-3150
FAX (207) 253-5596

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: RALPH C. NORWOOD, IV

LITTLEFIELD ROAD
EMERGENCY VEHICLE RAMPS
SOUTHBOUND GENERAL PLAN

VHB: 55345.00
CONTRACT: 2022.04

SHEET NUMBER: 95
OF 114

SPECIAL PROVISIONSECTION 520EXPANSION DEVICES – NON-MODULAR

(Silicone Coated and Pre-compressed Seal)

520.01 DescriptionRoute 236 Underpass

The work shall consist of furnishing and installing a waterproof expansion joint in the median at the Route 236 Underpass in accordance with the details shown on the plans and the requirements of this specification. Preformed sealant shall be silicone pre-coated, preformed, pre-compressed, self-expanding, sealant system.

Spruce Creek Overpass

The work shall consist of furnishing and installing a waterproof expansion joint in the median at the Spruce Creek Overpass in accordance with the details shown on the plans and the requirements of this specification. Preformed sealant shall be silicone pre-coated, preformed, pre-compressed, self-expanding, sealant system.

Littlefield Road Underpass

The work shall consist of furnishing and installing a waterproof expansion joint at Abutment No. 1 at the Littlefield Road Underpass in accordance with the details shown on the plans and the requirements of this specification. Preformed sealant shall be silicone pre-coated, preformed, pre-compressed, self-expanding, sealant system.

At the Littlefield Road Overpass, the work shall also consist of removing the existing compression seal and filling the existing joint extrusions, including any required surface preparation, as shown in the Plans and as directed by the Resident.

520.02 Materials

The pre-compressed sealant shall be Bridge Expansion Joint System (BJES) as manufactured by EMSEAL or approved equivalent. The expansion joint system shall be comprised of two components:

1. Cellular polyurethane foam impregnated with hydrophobic 100% acrylic (free in composition of any waxes or asphalts), water based emulsion, and factory coated with highway-grade, fuel resistant silicone.
2. Field-applied epoxy adhesive primer.

Impregnation agent shall have proven non-migratory characteristics. Silicone coating shall be black or grey and be highway-grade, low-modulus, fuel resistant silicone applied to the

impregnated foam sealant at a width greater than maximum allowable joint extension and which when cured and compressed will form a bellows

Material shall be capable of movements of +60%, -60% (120% total) of nominal material size, tested in accordance with ASTM E1399.

All products must be certified by independent laboratory test report to be free in composition of any waxes or wax compounds using FTIR and DSC testing.

All products shall be certified in writing to be: a) capable of withstanding 150°F (65°C) for 3 hours while compressed down to the minimum of movement capability dimension of the basis of design product (-50% of nominal material size) without evidence of any bleeding of impregnation medium from the material; and b) that the same material after the heat stability test and after first being cooled to room temperature will subsequently self-expand to the maximum of movement capability dimension of the basis-of-design product (+50% of nominal material size) within 24 hours at room temperature 68°F (20°C).

Alternate manufacturers must demonstrate that their products meet or exceed the design criteria and must submit certified performance test reports performed by nationally recognized independent laboratories. Submittal of alternates must be made three weeks prior to fabrication to allow proper evaluation time.

The following systems have been pre-approved for use on this project:

Bridge Expansion Joint System (BJES) as manufactured by EMSEAL.
25 Bridle Lane
Westborough, MA 01581
Phone: 800-526-8365
www.emseal.com

The material for filling the existing joint extrusions shall be Sika 35. The Sika 35 shall be placed in accordance with the manufacturer's recommendations and as directed by the Resident.

520.03 Fabrication

Submittals – Prior to construction, the Contractor shall prepare and submit:

- A. Typical joint seal system drawing(s) indicating pertinent dimensions, general construction, and expansion joint opening dimensions. Directional changes and terminations into horizontal plane surfaces shall be shown in the drawings.
- B. Joint seal system product information, including complete installation instructions.
- C. Samples of the materials comprising the joint seal system.

The joint seal system shall be supplied pre-compressed to less than the joint size, packaged in shrink-wrapped lengths with a mounting adhesive on one face.

520.04 Delivery

Products shall be delivered to the site in Manufacturer's original, intact, labeled containers. Products shall be handled and protected as necessary to prevent damage or deterioration during shipment, handling and storage. Products shall be stored in accordance with Manufacturer's instructions.

520.05 Installation

The Contractor shall arrange with the pre-compressed sealant's manufacturer to have the services of a competent field representative at the work site prior to any installation to instruct the work crews in the proper installation procedures. The field representative shall remain at the job site after work commences and continue to instruct until the representative and the Contractor, Inspector and Engineer are all in agreement that the crew has mastered the technique of installing the system successfully.

The manufacturer's field representative must be fully qualified to perform the work and shall be subject to the approval of the Engineer.

Immediately prior to the installation of the seal element, the concrete contact surface shall be prepared per the manufacturer's requirements and to the satisfaction of the manufacturer's field representative.

Any protruding roughness of the surfaces shall be removed to ensure joint sides are smooth. The Contractor shall ensure that there is sufficient depth to receive the full depth of the size of the seal being installed. The joint gap shall be inspected for cleanliness by the Resident. Should any contaminants remain, the joint must be re-cleaned.

The joint seal shall be protected by the Contractor to prevent any damage by any site equipment or other matters throughout the on-going construction process.

520.06 Method of Measurement

Expansion Device – Silicone Coated and Pre-compressed Seal will be premeasured by the linear foot, as measured along the joint centerline complete in place.

520.07 Basis of Payment

Expansion Device – Silicone Coated and Pre-compressed Seal will be paid for at the contract unit price per linear foot, which shall be payment in full for furnishing all materials, labor and equipment, including the manufacturer’s field representative and preparation of the concrete surfaces of the joint in accordance with the manufacturer’s recommendations, and all incidentals necessary to provide a complete watertight joint seal.

Payment will be made under:

<u>Pay Item</u>		<u>Pay Unit</u>
520.234	Expansion Device – Silicone Coated and Pre-compressed Seal	LF