



Charles D. Baker, Governor  
Karyn E. Polito, Lieutenant Governor  
Jamey Tesler, Secretary & CEO  
Jonathan L. Gulliver, Highway Administrator



October 7, 2021

607588-116293

**ADDENDUM NO. 1**

To Prospective Bidders and Others on:

**NORTHFIELD**

**Federal Aid Project No. CMQ-003S(201)  
Pedestrian Bridge Replacement Br. No. N-22-002 (Steel)  
Pauchaug-Schell Bridge Greenway over the Connecticut River**

**BIDS TO BE OPENED AND READ:**                      **TUESDAY, NOVEMBER 16, 2021 @ 2:00 P.M.**

Transmitting changes to the Contract Documents as follows:

- |                                |   |
|--------------------------------|---|
| <b><u>DOCUMENT 00010:</u></b>  | Revised page 2.   |
| <b><u>DOCUMENT A00801:</u></b> | Added pages 80-1 and 80-2.  |
| <b><u>DOCUMENT A00802:</u></b> | Deleted document in its entirety and inserted new document (8 pages). |

Please take note of the above, substitute the revised page for the original, insert the new pages in the proper order, delete document indicated, insert the new document in the proper order, and acknowledge Addendum No. 1 in your Expedite Proposal file before submitting your bid.

Very truly yours,

Eric M. Cardone, P.E.  
Construction Contracts Engineer

RM  
cc: J. Dalton, Project Manager

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① Addendum No. 1, October 7, 2021

DOCUMENT 00820  
THE COMMONWEALTH OF MASSACHUSETTS  
SUPPLEMENTAL EQUAL EMPLOYMENT OPPORTUNITY,  
NON-DISCRIMINATION AND AFFIRMATIVE ACTION PROGRAM ..... 00820-1 through 6

DOCUMENT 00821  
ELECTRONIC REPORTING REQUIREMENTS  
CIVIL RIGHTS PROGRAM AND CERTIFIED PAYROLL ..... 00821-1 through 2

DOCUMENT 00859  
CONTRACTOR/SUBCONTRACTOR CERTIFICATION FORM ..... 00859-1 through 2

DOCUMENT 00860  
COMMONWEALTH OF MASSACHUSETTS PUBLIC EMPLOYMENT LAWS ..... 00860-1 through 2

DOCUMENT 00861  
STATE WAGE RATES ..... 00861-1 through 36

DOCUMENT 00870  
STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY  
CONSTRUCTION CONTRACT SPECIFICATIONS ..... 00870-1 through 8

DOCUMENT 00875  
TRAINEE SPECIAL PROVISIONS ..... 00875-1 through 2

DOCUMENT 00880  
FEDERAL WAGE RATES ..... 00880-1 through 10

DOCUMENT A00801  
SPECIAL PROVISIONS ..... A00801-1 through 292

① DOCUMENT A00802  
DETAIL SHEETS ..... A00802-1 through 8

DOCUMENT A00808  
PROJECT UTILITY COORDINATION FORM ..... A00808-1 through 6

DOCUMENT A00810  
MASSDOT HERBICIDE USE REPORT ..... A00810-1 through 2

DOCUMENT A00820  
REQUEST FOR RELEASE OF MASSDOT AUTOCAD FILES FORM ..... A00820-1 through 2

DOCUMENT A00830  
ARMY CORPS OF ENGINEERS PERMIT APPLICATION AND  
MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION  
WATER QUALITY CERTIFICATE APPLICATION ..... A00830-1 through 382

DOCUMENT A00831  
ARMY CORPS OF ENGINEERS GENERAL PERMIT ..... A00831-1 through 96

DOCUMENT A00841  
MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION  
WATER QUALITY CERTIFICATION ..... A00841-1 through 14

DOCUMENT A00850  
MASSACHUSETTS DEPARTMENT OF FISH AND GAME  
PERMIT APPLICATION AND PERMIT ..... A00850-1 through 10

Addendum No. 1, October 7, 2021

**ITEM 114.1** (Continued)**GENERAL REQUIREMENTS FOR DEMOLITION AND WORK INVOLVING PAINTED STEEL PRIOR TO CONTROLLED (EXPLOSIVE) DEMOLITION***(FOR WORK INVOLVING DEMOLITION OF PAINTED STEEL AFTER CONTROLLED (EXPLOSIVE) DEMOLITION SEE GENERAL PROVISIONS)*

Demolition and work involving painted steel shall conform to the requirements of Subsection 961 of the Standard Specifications.

**Work Involving Painted Steel.**

Hazardous materials shall be removed in the immediate area of any intended welding, heating, saw cutting or burning of steel. Hazardous material removal is required to allow the demolition of structural steel, railings, drainage systems, utility supports, etc.

The contractor shall assume that the coatings on the steel contain lead (Pb), unless otherwise determined by testing. The contractor shall certify in writing to the Engineer the results of all testing and shall also certify that any lead (Pb) coated steel removed from the project was not reused or buried, but was sent to a scrap metal recycling facility.

Implement and maintain programs and procedures, which comply with the requirements of this specification and all applicable standards and regulations. Comply with all applicable regulations even if the regulation is not specifically referenced herein. If a state or local regulation is more restrictive than the regulation of this specification, follow the more restrictive requirements.

This section “Work involving painted steel” is intended only for the demolition and preparation prior to controlled (explosive) demolition.

**Environmental**

All applicable portions of Subsections 961.65 “Worker Protection” and 961.66 “Environmental Protection and Monitoring” shall be followed when performing this work.

During chemical stripping a hand washing facility may be used in lieu of a decontamination/changing facility.

Hazardous material shall be collected during the disassembly and disposed of as outlined in Subsection 961.68 “Handling of Hazardous Waste and Reporting Release Programs”.

The applicable submittals shall be according to Subsection 961.69 “Submittals”.

Addendum No. 1, October 7, 2021

**ITEM 114.1** (Continued)**Cleaning/Removal****Cutting Or Burning Of Steel**

All surfaces to be welded, heated, saw cut or burned shall be cleaned so as to remove all contaminants and/or hazardous materials, which could be discharged to the environment as a function of the subsequent operations.

Lead paint shall be removed in its entirety in an area prescribed by a 6 inch (15 cm) minimum offset from the required work. The paint removal operation may be chemical stripping.

Proper level of containment shall be used when performing this work in accordance with Subsection 961.67 "Containment". Full containment is not required during chemical stripping operation however; the Contractor shall install proper shielding and/or tarpaulins under the chemical stripping operations in order to catch all debris generated during this procedure. This containment shall be limited to the immediate area of which chemical stripping is being performed. A cleaned area must be inspected and approved before the demolition operations are started.

During cleaning operations, the Contractor shall be required to furnish and erect temporary floodlights illuminating the steel surface at a minimum of 30-foot candles. This lighting shall be used in areas where there is insufficient lighting for proper cleaning operations and inspection. The Contractor shall supply electrical power. Any lighting required to support the cleaning operations will be included under Item 853.8 Temporary Illumination for Work Zone.

The Contractor shall provide support for interim and final inspection of the bridge during cleaning operations. This support shall include the necessary traffic controls and safe access to the work.

**Mechanical Disassembly Of Steel for Removal of Entry Portal Only**

All surfaces to be mechanically disassembled by shear cutting or removing bolts or rivets shall not require deleading. When shear cutting or removing bolts or rivets, the Contractor shall not use any method that will cause dust and/or particles to be emitted and/or dispersed into the environment to an extent that would expose the workers above the Action Levels of  $30\mu\text{g}/\text{m}^3$ .

For purposes of limiting the lead (Pb) dust, the Contractor will be required to dampen the lead paint work areas.

The contractor shall install proper shielding and/or tarpaulins in the immediate vicinity under all lead-paint-coated surfaces to be shear cut or bolts or rivets ordered removed in order to catch any loose lead paint chips, dust or particles.

PROJECT NO. 607588

**Massachusetts Department of Transportation  
Highway Division  
TEN PARK PLAZA, BOSTON, MA**

**-ESTIMATE OF QUANTITIES - DETAIL SHEET-**

TOWN-CITY Northfield, MA  
 FISCAL YEAR 2021  
 STA. 9+00 to 33+85  
 Type of Project Bridge Replacement

ROAD Pauchaug-Schell Bridge Greenway  
 CLASS CMQ-003S(201)  
 DATE September 8, 2021

<u>Excavation</u>	<u>Embankment</u>
Earth Excavation <u>7,500</u> CY	Ordinary Borrow <u>50</u> CY
Bridge Excavation <u>150</u> CY	Gravel Borrow <u>2050</u> CY
Bridge Excavation Within Cofferdam <u>900</u> CY	Loam Borrow <u>920</u> CY
Channel Excavation <u>130</u> CY	
Dredging and Stockpiling Material <u>140</u> CY	
Removal & Disposal of	
Rock from Dredged Areas <u>15</u> CY	
Class "A" Trench Excavation <u>20</u> CY	
Class "B" Trench Excavation <u>10</u> CY	
Class "A" Rock Excavation <u>400</u> CY	
Class "B" Rock Excavation <u>105</u> CY	

**PAVEMENT NOTES:**

**PROPOSED FULL DEPTH PATH CONSTRUCTION: AREA= 2,267 SY**

SURFACE: 1½" SUPERPAVE SURFACE COURSE – 9.5 (SSC-9.5)  
 INTERMEDIATE: 2½" SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC-19.0)  
 SUBBASE: 8" GRAVEL BORROW (TYPE b)

**PROPOSED FULL DEPTH ROADWAY CONSTRUCTION: AREA= 1,715 SY**

SURFACE: 1½" SUPERPAVE SURFACE COURSE – 9.5 (SSC-9.5)  
 INTERMEDIATE: 2½" SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC-19.0)  
 SUBBASE: 12" GRAVEL BORROW (TYPE b)

**PROPOSED BRIDGE CONSTRUCTION: AREA= 1,054 SY**

SURFACE: 1½" SUPERPAVE BRIDGE SURFACE COURSE – 9.5 (SSC-B-9.5)  
 INTERMEDIATE: 1½" SUPERPAVE BRIDGE PROTECTIVE COURSE - 9.5 (SPC-B-9.5)

SPRAY APPLIED MEMBRANE WATERPROOFING

**PROPOSED HOT MIX ASPHALT DRIVEWAY APRON:**

**AREA= 55 SY**

SURFACE: 1½” SUPERPAVE SURFACE COURSE – 9.5 (SSC-9.5)

INTERMEDIATE: 2½” SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC-12.5)

SUBBASE: 8” GRAVEL BORROW (TYPE b)

**PROPOSED CEMENT CONCRETE MEDIAN:**

**AREA= 12 SY**

SURFACE: 4” CEMENT CONCRETE, AIR ENTRAINED  
(4000 PSI, ¾ IN., 610 CEMENT CONCRETE)

SUBBASE: 8” GRAVEL BORROW (TYPE b)

**PROPOSED CEMENT CONCRETE SIDEWALK  
(INCLUDING WHEELCHAIR RAMPS):**

**AREA= 135 SY**

SURFACE: 4” CEMENT CONCRETE, AIR ENTRAINED  
(4000 PSI, ¾ IN., 610 CEMENT CONCRETE)

BASE: 8” GRAVEL BORROW (TYPE b)

**ITEM 102.02 SELECTIVE TREE THINNING & PRUNING**

To be used for clearing and/or pruning of trees as necessary to install temporary overhead wires and poles and within areas designated on the Plans as directed by the Landscape Architect and Engineer.

**ITEM 102.3 HERBICIDE TREATMENT OF INVASIVE PLANTS**  
**ITEM 102.33 INVASIVE PLANT MANAGEMENT STRATEGY**

To be used for chemical treatment of invasive plant species around the project site and as needed for soils stockpiled on site.

**ITEM 102.511 TREE PROTECTION – ARMORING & PRUNING**

To be used as a contingency when construction activities are likely to occur within the canopy of individual trees or where there may be any risk of damage to trees.

**ITEM 102.55**      **ARBORIST**

To be used for retaining the services of a certified arborist who will assist the Engineer and Landscape Architect in determining which trees in areas of Selective Tree Thinning and Pruning should be retained, which should be removed, which should be pruned and the method of pruning.

**ITEM 118.1**      **TEMPORARY CONSTRUCTION ACCESS DOCK**  
**ITEM 118.2**      **TEMPORARY BOAT RAMP PARKING LOT**  
**ITEM 118.3**      **REHAB EXIST ASPHALT PAVEMENT – PBWMA**  
**ITEM 118.4**      **RESTORE TEMPORARY OCCUPANCY AREAS**

To be used for work to establish river access and Contractor staging/laydown areas at the Pauchaug Brook Wildlife Management Area property and also to restore the property in accordance with applicable permits once use of the property is finished. These Items are only to be used if the Contractor uses the noted property as anticipated.

**ITEM 121.**      **CLASS A ROCK EXCAVATION**

To be used as a contingency for Items 120. Earth Excavation and 143. Channel Excavation.

**ITEM 125.**      **TOPSOIL EXCAVATED AND STACKED**

To be used for excavating and stacking the top 4” of existing topsoil in areas of proposed embankment.

<b><u>Start STA.</u></b>	<b><u>End STA.</u></b>
10+15 RT	11+90 RT

**ITEM 141.**      **CLASS A TRENCH EXCAVATION**

To be used for excavation associated with proposed headwalls.

**ITEM 141.1**      **TEST PIT FOR EXPLORATION**

To be used as required for locating existing utilities and drainage.

**ITEM 143.**      **CHANNEL EXCAVATION**

To be used for all excavation inside the Mean Annual High Water line for the Connecticut River and at areas of proposed stream restoration that would otherwise be classified as Earth Excavation.



**ITEM 144.**      **CLASS B ROCK EXCAVATION**

To be used if boulders or rock are encountered during excavation for the installation of the bridge foundations.

**ITEM 151.2**      **GRAVEL BORROW FOR BACKFILLING STRUCTURES AND PIPES**

To be used for backfilling proposed headwalls, gabions and as required for backfilling proposed pipes when there is not enough suitable excavated material.

**ITEM 156.**      **CRUSHED STONE**

To be used as needed for bedding of proposed pipes, below proposed drainage structures and for the base below porous pavement at the overlook.

**ITEM 156.5**      **CRUSHED STONE FOR FILTER BLANKET**

To be used below proposed modified rockfill slope protection and armored drainage ditches as well as below proposed stone for pipe ends at the plunge pool downstream of HDW 1.

**ITEM 258.**      **STONE FOR PIPE ENDS**

To be used at the ends of proposed paved waterways, at proposed flared end drainage outlets, at proposed downstream headwalls, over proposed stone check dams and as bedding material for proposed boulders in areas of stream restoration.

**ITEM 269.08**      **8 INCH SLOT-PERFORATED CORRUGATED PLASTIC PIPE (SUBDRAIN)**

To be used behind proposed gabions.

**ITEM 281.**      **CEMENT CONCRETE PAVING (WATERWAY)**

To be used for the proposed inlet apron around drop inlet DI 1 and DI 2.

**Start STA.**

24+43 LT (DI 1)

31+91 LT (DI 2)

**ITEM 402.13**      **PAVEMENT MILLING MULCH FOR SHOULDERS**

To be used for the proposed pavement milling mulch alongside West Northfield Road at locations where there is no guardrail or timber fence.

**ITEM 451.**      **HMA FOR PATCHING**

To be used as a contingency for any permanent pavement patching required by the Engineer.

**ITEM 452.**      **ASPHALT EMULSION FOR TACK COAT**

To be used on all newly paved surfaces as shown on the Plans.

**ITEM 453.**      **HMA JOINT SEALANT**

To be used on all newly constructed pavement joints on surface course.

**ITEM 472.**      **TEMPORARY ASPHALT PATCHING**

To be used for temporary surface patching of test pits, after the installation of proposed pipe culverts and as required by the Engineer.

**ITEM 505.**      **GRANITE CURB TYPE VA5 – STRAIGHT**  
**ITEM 505.1**      **GRANITE CURB TYPE VA5 – CURVED**

To be used for proposed granite curb transitions adjacent to the proposed bridge end posts.

**ITEM 660.19**      **SWING BARRIER GATE – 19 FOOT (SINGLE ARM)**

To be used at proposed splitter islands between parking areas and the shared-use path.

**ITEM 685.**      **STONE MASONRY WALL IN CEMENT MORTAR**

To be used for proposed headwalls at the locations shown on the Plans.

**ITEM 697.1**      **SILT SACK**

To be installed at all proposed catch basins and drop inlets during construction to prevent silt and sediment from the construction site from entering the storm water collection system.

**ITEM 697.2**      **FLOATING SILT FENCE**

To be used for temporary turbidity curtains during demolition of the existing bridge superstructure and reconstruction of the bridge piers.

**ITEM 698.3**      **GEOTEXTILE FABRIC FOR SEPARATION**

To be used below proposed modified rockfill slope protection, below proposed armored drainage ditches, below areas of proposed streambed restoration, behind gabions, below wood pavers at the overlook and behind re-used granite block wall at the overlook as shown on the Plans.

**ITEM 703.1**      **CONCRETE WHEEL STOP**

To be used in parking spaces at the proposed west parking area.

**ITEM 707.8**      **STEEL BOLLARD**

To be used at proposed splitter islands between parking areas and the shared-use path.

**ITEM 751.72**      **COMPOST BLANKET**

To be used in conjunction with Steep Slope Tall Mix seeding on slopes treated with loam at the location shown on the Plans.

**ITEM 752.**      **TOPSOIL REHANDLED AND SPREAD**

To be used for spreading existing Topsoil Excavated and Stacked in areas where Loam Borrow is specified.

**ITEM 755.35**      **INLAND WETLAND REPLICATION AREA**

To be used for replicating and restoring wetlands at the following locations as shown on the Plans:

<b><u>Designation</u></b>	<b><u>Start Station</u></b>	<b><u>Start Off. Side</u></b>	<b><u>End Station</u></b>	<b><u>End Off. Side</u></b>
Repl. Area 1A	STA. 11+66	RT	STA. 14+35	RT
Restoration	STA. 18+88	RT	STA. 19+03	RT
Repl. Area 1B	STA. 31+23	RT	STA. 31+55	RT

**ITEM 755.75**      **WETLAND SPECIALIST**

**ITEM 755.76**      **WETLAND MONITORING REPORTS**

To be used in support of proposed wetland replication and restoration.

**ITEM 765.21**      **ANNUAL COVER CROP**

**ITEM 765.635**      **NATIVE SEEDING AND ESTABLISHMENT**

**ITEM 765.664**      **MOWING FOR NATIVE SEED ESTABLISHMENT**

To be used in or establishments of native seed mixes in areas of seeding paid for under Pay Items 765.411, 765.413, 765.421, 765.451, 765.453, 765.473 and 765.551 (in drainage ditches).

**ITEM 767.121**    **SEDIMENT CONTROL BARRIER**

To be used at the limits of work along the path and roadway construction, intermittently along steep slopes after they have been cleared and regraded, at the temporary occupancy areas at the Pauchaug Brook Boat Ramp and for temporary check dams at drainage ditches to slow runoff velocity and filter suspended sediments from storm water flow.

**ITEM 767.78**    **COMPOSTED MULCH OVER MODIFIED ROCKFILL**

To be used over modified rockfill for slope protection in areas designated to be seeded.

**ITEM 767.9**    **JUTE MESH**

To be used within proposed drainage ditches and as a contingency to control erosion on steep slopes during construction, prior to seed establishment.

**ITEM 769.**    **PAVEMENT MILLING MULCH UNDER GUARDRAIL**

To be used for proposed pavement milling mulch at locations where proposed guardrail or timber fence is installed.

**ITEM 829.**    **ROADSIDE GUIDE SIGN (G) – ALUMINUM PANEL (TYPE B)**

To be used for proposed welcome signs (SP-1) at parking areas.

<b><u>Station</u></b>	<b><u>Offset</u></b>
STA. 10+21	15.3' RT
STA. 33+34	20.7' LT

**ITEM 850.41**    **ROADWAY FLAGGER**

To be used as a contingency in the event that the Contractor's operations at the Pauchaug Brook Wildlife Management Area property or additional traffic control measures during controlled (explosive) demolition of the existing bridge superstructure require a flagger to protect the public.

