

OCTOBER 10, 2025
REPLACEMENT OF BRIDGE NO. 05585
FEDERAL AID PROJECT NO. N/A
STATE PROJECT NO. 0048-0200
TOWN OF ENFIELD

ADDENDUM NO. 1

This Addendum addresses revisions to the contract for the temporary drainage layout.

SPECIAL PROVISIONS
NEW SPECIAL PROVISION

The following Special Provision is hereby added to the Contract:

- 0511100A TEMPORARY DRAINAGE SYSTEM

CONTRACT ITEMS
NEW CONTRACT ITEMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
0511100A	TEMPORARY DRAINAGE SYSTEM	LS	1
0602889	DOWEL BAR SPLICER SYSTEM GALVANIZED	EA	80

REVISED CONTRACT ITEMS

ITEM NO.	DESCRIPTION	UNIT	ORIGINAL QUANTITY	REVISED QUANTITY
0601502	1/2" PREFORMED EXPANSION JOINT FILLER FOR BRIDGES	SF	717	751
0602030	DEFORMED STEEL BARS – GALVANIZED	LB	62,774	63,640
0822100.01	TEMPORARY TRAFFIC BARRIER	LF	9,984	4,260
0586763	TYPE 'C-L' CATCH BASIN TOP HEAVY DUTY	EA	41	12
0686000.30	30" R.C. PIPE - 0' - 10' DEEP	LF	728	18
0686000.36	36" R.C. PIPE - 0' - 10' DEEP	LF	22	32
0686900	CONCRETE PIPE CONNECTION	EA	11	7

DELETED CONTRACT ITEM

ITEM NO.	DESCRIPTION	UNIT	ORIGINAL QUANTITY
0586040.10	TYPE 'C-L' CATCH BASIN - 0' - 10' DEEP	EA	6
0586056.10	TYPE 'C-L' DROP INLET – 0' – 10' DEEP	EA	6
0586501.05	MANHOLE (5' DIAMETER) – 0' – 10' DEEP	EA	5
0586620	RESET TYPE 'C-L' CATCH BASIN	EA	54
0586650	RESET MANHOLE	EA	1
0586701	CONVERT CATCH BASIN TO TYPE 'C-L' CATCH BASIN	EA	5
0586790.10	REMOVE DRAINAGE STRUCTURE - 0' - 10' DEEP	EA	17
0686000.12	12" R.C. PIPE - 0' - 10' DEEP	LF	169
0686000.18	18" R.C. PIPE - 0' - 10' DEEP	LF	23
0686000.42	42" R.C. PIPE - 0' - 10' DEEP	LF	22
0686100.15	15" C.C.M. PIPE - 0' - 10' DEEP	LF	25
0686950.10	REMOVE EXISTING PIPE – 0' – 10' DEEP	LF	763
1300085	STANDARD STEEL ROAD PLATE	SF	616

PLANS**NEW PLANS**

The following Plan Sheets are hereby added to the Contract:

- 03.040-1.A1
- 03.040-2.A1
- 03.040-3.A1
- 03.040-4.A1
- 03.040-5.A1
- 03.040-6.A1
- 04.15-1.A1

REVISED PLANS

The following Plan Sheets are hereby deleted and replaced with the like-numbered Plan Sheets:

- 03.003.A1
- 03.004.A1
- 03.005.A1
- 03.020.A1
- 03.021.A1
- 03.022.A1

- 03.023.A1
- 03.024.A1
- 03.025.A1
- 03.026.A1
- 03.027.A1
- 03.028.A1
- 03.029.A1
- 03.030.A1
- 03.031.A1
- 03.032.A1
- 03.033.A1
- 03.034.A1
- 03.035.A1
- 03.036.A1
- 03.037.A1
- 03.038.A1
- 03.039.A1
- 03.040.A1
- 03.051.A1
- 03.052.A1
- 03.053.A1
- 03.055.A1
- 03.057.A1
- 03.058.A1
- 03.059.A1
- 03.060.A1
- 03.064.A1
- 03.065.A1
- 03.066.A1
- 03.068.A1
- 03.069.A1
- 03.070.A1
- 03.071.A1
- 03.074.A1
- 03.075.A1
- 03.076.A1
- 03.077.A1
- 03.078.A1
- 03.079.A1
- 03.080.A1
- 03.081.A1
- 03.082.A1
- 03.083.A1
- 03.084.A1
- 03.085.A1
- 03.086.A1
- 03.089.A1
- 03.092.A1
- 03.093.A1
- 03.095.A1
- 03.096.A1
- 03.097.A1
- 03.098.A1
- 04.04.A1
- 04.12.A1
- 04.13.A1
- 05.02.A1
- 05.03.A1
- 05.04.A1

The Bid Proposal Form has been revised to reflect these changes.

The Detailed Estimate Sheet does not reflect these changes.

There will be no change in the number of calendar days due to this Addendum.

The foregoing is hereby made a part of the contract.

ITEM #0511100A - TEMPORARY DRAINAGE SYSTEM

Description: The work for this item consists of the furnishing, installing, resetting, and maintenance, and removal or abandonment as specified of the temporary drainage systems, as shown on the Contract plans to minimize gutter spread. Temporary drainage systems shall include trench drains, catch basins, drainage pipe, and temporary outlet protection as shown on the Contract plans or as approved by the Engineer. The Contractor shall construct, operate, maintain, remove, and restore without damage to structures.

Where specified, abandoned temporary drainage system structures and drainage pipe shall be filled with Controlled Low Strength Material. Controlled Low Strength Material (CLSM) is a self-consolidating, rigid setting material to be used in backfills, fills, structural fills and elsewhere as indicated on the plans, or as directed by the Engineer. The flow and set time characteristics of CLSM shall be designed to meet the specific job conditions. All CLSM material covered by this specification shall be designed to be hand excavatable at any time after placement. It shall be composed of a mixture of portland cement, aggregate, and water with the option of using fly ash, slag cement, air-entraining agents, and other approved admixtures.

Materials:

General: This work shall meet the requirements of Article 5.86.02 and Article 6.86.02.

Trench Drains: Trench drains shall be designed for highway applications. Trench drains shall have a 4" wide slotted intake grate and a precast trench channel. Channels shall have tongue and groove joints to lock together and shall have sealant per manufacturer recommendations. Trench drain channels shall have a minimum slope of 0.6% with sidewall extensions provided as required in order to maintain minimum slopes along long runs. Grates shall have a minimum of 0.27 square feet of open area per linear foot. Grates shall pass a proof load of 620 psi (Modified AASHTO M 306 Test Method) applied to a 9" long x 3" wide load contact area. Concrete shall utilize concrete with a 28-day minimum compressive strength of 4000 psi.

Catch Basin at Proposed Moment Slab: Catch basin shall be configured such that the upper portion of the drainage structure from an elevation below the moment slab can be removed when it needs to be abandoned. The catch basin at the proposed moment slab shall be equipped with a Plain-Type 'C-L' Heavy Duty Catch Basin Top (CTDOT Standard Sheet No. HW-586_09).

Preformed Expansion Joint Filler: Preformed expansion joint filler shall meet the requirements of M.03.08-4.

Controlled Low Strength Material: All materials utilized in the CLSM mix design shall be in accordance with the applicable requirements of Article M.03.01.

The composition of the CLSM shall be in accordance with the requirements set forth in Article M.03.01-General Composition of Concrete Mixes, as well as the applicable sections of ACI 229R. The Contractor shall submit each proposed mix design, with all supporting data, to the Engineer for review and approval at least two weeks prior to its use.

The setting time of CLSM materials shall be designed so as to achieve the strength necessary to comply with the time constraints called for under the Maintenance and Protection of Traffic requirements of the project specifications. The use of chloride accelerators is not permitted.

The minimum compressive strength of the CLSM material shall be 30 pounds per square inch (psi) and the maximum compressive strength of the CLSM shall be 150 pounds per square inch (psi) when tested in accordance with ASTM D4832 after 56 days.

The CLSM mix design shall utilize a nominal maximum size of No. 8 aggregate as specified in M.01.01.

CLSM mixes shall have a minimum of 20% entrained air when tested in accordance with AASHTO T152.

Riprap outlet protection: Riprap shall meet the requirements of M.12.02 for Modified Riprap.

Construction Methods:

General: This work shall meet the requirements of Article 5.86.03 and Article 6.86.03.

Trench Drains: Trench drains shall be installed per manufacturer's requirements. Trench drains shall be reset, or replaced as needed if the structure cannot be reset to a different horizontal or vertical location, where remove and install as shown on the Contract plans.

At least once a week and within 24 hours of the end of a storm that generates a discharge, or as directed by the Engineer, trench drains shall be inspected and the Contractor shall clean out any sediment, debris, and litter. The Contractor shall maintain a rain gauge on-site to document rainfall amounts. For storms that end on a weekend, holiday, or other time after which normal working hours will not commence within 24 hours, an inspection and cleaning is required within 24 hours only for storms that equal or exceed 0.5 inches. For storms of less than 0.5 inches, an inspection and cleaning shall occur immediately upon the start of the subsequent normal working hours. All sediment, debris, and litter shall be removed from the Site and disposed of by the Contractor.

At the completion of construction all trench drains are to be removed. All trench drain pipes connected to existing structures shall be plugged with cement masonry. The area of the trench drains shall be restored to finished condition as specified on the Contract plans.

Installation of Catch Basin at Proposed Moment Slab: Preformed expansion joint filler shall be provided between the outer wall of the catch basin and the adjacent moment slab or as directed by the Engineer.

Riprap Outlet Protection: Temporary riprap outlet protection shall be provided as shown on the Contract plans or as directed by the Engineer at all outlet pipe discharge locations.

Abandoning Catch Basins: When a catch basin is to be abandoned, the structure shall be removed to an elevation below the bottom of the moment slab as shown on the Contract plans or as directed by the Engineer. The outlet pipe through the wingwall shall be removed. The void in the wingwall shall be infilled as shown on the Contract plans and the catch basin shall be filled with CLSM to the top of the abandoned structure. Refer to Contract plans for details for infilling voids in moment slabs and wingwalls after catch basins are abandoned.

Controlled Low Strength Material: CLSM shall only be placed when the ambient temperature is at least 32° F and rising. CLSM material shall be deposited within 2 hours of initial mixing.

CLSM may be placed by chutes, conveyors, buckets or pumps depending upon the application and accessibility of the site. Should voids or cavities remain after the placement of the CLSM, the Contractor shall modify the placement method or flow characteristics of the CLSM. Voids or cavities which have not been filled properly shall be corrected as directed by the Engineer and at the Contractor's expense. Refer to Contract plans for details for infilling voids in moment slabs and wingwalls after catch basins are abandoned.

Methods of Measurement: Temporary Drainage System, being paid for on a lump sum basis, will not be measured for payment.

Basis for Payment: This work will be paid for at the Contract lump sum price for “Temporary Drainage System” which price shall include all materials, tools, equipment and labor incidental thereto.

Pay Item	Pay Unit
Temporary Drainage System	LS