Maura Healey, Governor
Kimberley Driscoll, Lieutenant Governor
Monica Tibbits-Nutt, Secretary & CEO
Jonathan L. Gulliver, Highway Administrator

MassDOT
Massachusetts Department of Transportation
Highway Division

July 26, 2024

608640-126595

ADDENDUM NO. 1

To Prospective Bidders and Others on:

SUTTON-GRAFTON
Federal Aid Project No. STP(BR-OFF)-003S(755)X
Bridge Replacement, S-33-004, Depot Street over the Blackstone River

THIS PROPOSAL TO BE OPEN AND READ: TUESDAY, AUGUST 13, 2024 at 2:00 P.M.

Transmitting revisions to the Contract Documents as follows:

DOCUMENT 00104:	Revised page 3.
DOCUMENT 00813:	Deleted document in its entirety and inserted new document (4 pages).
DOCUMENT A00801:	Revised pages 106, 107, 112, and 113.
DOCUMENT B00420:	Revised pages 7 through 19.

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

Very truly yours,

Slava Podluzny
Digitally signed by Slava Podluzny
Date: 2024.07.26 13:10:36 -04'00'

for

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

AB
cc: Christopher I. Cameron, Project Manager

Ten Park Plaza, Suite 4160, Boston, MA 02116
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① Addendum No. 1, July 26, 2024

NOTICE TO CONTRACTORS (Continued)

① PRICE ADJUSTMENTS

This Contract contains price adjustments for hot mix asphalt and Portland cement mixtures, diesel fuel, and gasoline. For reference the base prices are as follows: liquid asphalt $585.00 per ton, Portland cement $425.53 per ton, diesel fuel $2.865 per gallon, and gasoline $2.764 per gallon, and Steel Base Price Index 425.7. MassDOT posts the **Price Adjustments** on their Highway Division's website at
https://www.mass.gov/massdot-contract-price-adjustments

This Contract contains Price Adjustments for steel. See Document 00813 - PRICE ADJUSTMENT FOR STRUCTURAL STEEL AND REINFORCING STEEL for their application and base prices.

MassDOT projects are subject to the rules and regulations of the Architectural Access Board (521 CMR 1.00 et seq.)

Prospective bidders and interested parties can access this information and more via the internet at WWW.COMMBUYS.COM.

BY: Monica G. Tibbits-Nutt, Secretary and CEO, MassDOT
Jonathan L. Gulliver, Administrator, MassDOT Highway Division
SATURDAY, JUNE 29, 2024

Addendum No. 1, July 26, 2024

DOCUMENT 00813

SPECIAL PROVISIONS

PRICE ADJUSTMENTS FOR STRUCTURAL STEEL AND REINFORCING STEEL

July 18, 2024

This special provision applies to all projects containing the use of structural steel and/or reinforcing steel as specified elsewhere in the Contract work. It applies to all structural steel and all reinforcing steel, as defined below, on the project. Compliance with this provision is mandatory, i.e., there are no "opt-in" or "opt-out" clauses. Price adjustments will be handled as described below and shall only apply to unfabricated reinforcing steel bars and unfabricated structural steel material, consisting of rolled shapes, plate steel, sheet piling, pipe piles, steel castings and steel forgings.

Price adjustments will be variances between Base Prices and Period Prices. Base Prices and Period Prices are defined below.

Price adjustments will only be made if the variances between Base Prices and Period Prices are 5% or more. A variance can result in the Period Price being either higher or lower than the Base Price. Once the 5% threshold has been achieved, the adjustment will apply to the full variance between the Base Price and the Period Price.

Price adjustments will be calculated by multiplying the number of pounds of unfabricated structural steel material or unfabricated reinforcing steel bars on a project by the index factor calculated as shown below under Example of a Period Price Calculation.

Price adjustments will ***not*** include guardrail panels or the costs of shop drawing preparation, handling, fabrication, coatings, transportation, storage, installation, profit, overhead, fuel costs, fuel surcharges, or other such charges not related to the cost of the unfabricated structural steel and unfabricated reinforcing steel.

The weight of steel subject to a price adjustment shall not exceed the final shipping weight of the fabricated part by more than 10%.

Base Prices and Period Prices are defined as follows:

Base Prices of unfabricated structural steel and unfabricated reinforcing steel on a project are fixed prices determined by the Department and found in the table below. While it is the intention of the Department to make this table comprehensive, some of a project's unfabricated structural steel and/or unfabricated reinforcing steel may be inadvertently omitted. Should this occur, the Contractor shall bring the omission to the Department's attention so that a contract alteration may be processed that adds the missing steel to the table and its price adjustments to the Contract.

The Base Price Date is the month and year of the most recent finalized period price index at the time that MassDOT opened bids for the project. The Base Price Index for this contract is the Steel PPI listed in the Notice to Contractors.

Period Prices of unfabricated structural steel and unfabricated reinforcing steel on a project are variable prices that have been calculated using the Period Price Date and an index of steel prices to adjust the Base Price.

The Period Price Date is the date the steel was delivered to the fabricator as evidenced by an official bill of lading submitted to the Department containing a description of the shipped materials, weights of the shipped materials and the date of shipment. This date is used to select the Period Price Index.

The index used for the calculation of Period Prices is the U.S. Department of Labor Bureau of Labor Statistics Producer Price Index (PPI) Series ID WPU101702 (Not Seasonally Adjusted, Group: Metals and Metal Products, Item: Semi-finished Steel Mill Products.) As this index is subject to revision for a period of up to four (4) months after its original publication, no price adjustments will be made until the index for the period is finalized, i.e., the index is no longer suffixed with a "(P)".

Period Prices are determined as follows:

Period Price = Base Price X Index Factor
Index Factor = Period Price Index / Base Price Index

Example of a Period Price Calculation:

Calculate the Period Price for December 2009 using a Base Price from March 2009 of $0.82/Pound for 1,000 Pounds of ASTM A709 (AASHTO M270) Grade A36 Structural Steel Plate.

The Period Price Date is December 2009. From the PPI website*, the Period Price Index = 218.0.

The Base Price Date is March 2009. From the PPI website*, the Base Price Index = 229.4.

Index Factor = Period Price Index / Base Price Index = 218.0 / 229.4 = 0.950
Period Price = Base Price X Index Factor = $0.82/Pound X 0.950 = $0.78/Pound

Since $0.82 - $0.78 = $0.04 is less than 5% of $0.82, no price adjustment is required.

If the $0.04 difference shown above was greater than 5% of the Base Price, then the price adjustment would be 1,000 Pounds X $0.04/Pound = $40.00. Since the Period Price of $0.78/Pound is less than the Base Price of $0.82/Pound, indicating a drop in the price of steel between the bid and the delivery of material, a credit of $40.00 would be owed to MassDOT. When the Period Price is higher than the Base Price, the price adjustment is owed to the Contractor.

* To access the PPI website and obtain a Base Price Index or a Period Price Index, go to http://data.bls.gov/cgi-bin/srgate

End of example.

The Contractor will be paid for unfabricated structural steel and unfabricated reinforcing steel under the respective contract pay items for all components constructed of either structural steel or reinforced Portland cement concrete under their respective Contract Pay Items.

Price adjustments, as herein provided for, will be paid separately as follows:

Structural Steel
Pay Item Number 999.449 for positive (+) pay adjustments (payments to the Contractor)

Pay Item Number 999.457 for negative (-) pay adjustments (credits to MassDOT Highway Division)

Reinforcing Steel
Pay Item Number 999.466 for positive (+) pay adjustments (payments to the Contractor)

Pay Item Number 999.467 for negative (-) pay adjustments (credits to MassDOT Highway Division)

No price adjustment will be made for price changes after the Contract Completion Date, unless the MassDOT Highway Division has approved an extension of Contract Time for the Contract.

TABLE

Steel Type		Price per Pound
1	ASTM A615/A615M Grade 60 (AASHTO M31 Grade 60 or 420) Reinforcing Steel	$0.66
2	ASTM A27 (AASHTO M103) Steel Castings, H-Pile Points & Pipe Pile Shoes (See Note below.)	$0.90
3	ASTM A668 / A668M (AASHTO M102) Steel Forgings	$0.90
4	ASTM A108 (AASHTO M169) Steel Forgings for Shear Studs	$0.93
5	ASTM A709/A709M Grade 36 / AASHTO M270M/M270 Grade 36 or 250 Structural Steel Plate	$1.00
6	ASTM A709/A709M Grade 36 / AASHTO M270M/M270 Grade 36 or 250 Structural Steel Shapes	$0.92
7	ASTM A709/A709M Grade 50 / AASHTO M270M/M270 Grade 50 or 345 Structural Steel Plate	$1.00
8	ASTM A709/A709M Grade 50 / AASHTO M270M/M270 Grade 50 or 345 Structural Steel Shapes	$0.92
9	ASTM A709/A709M Grade 50WT / AASHTO M270M/M270 Grade 50WT or 345WT Structural Steel Plate	$1.04
10	ASTM A709/A709M Grade 50WT / AASHTO M270M/M270 Grade 50WT or 345WT Structural Steel Shapes	$0.93
11	ASTM A709/A709M Grade 50W / AASHTO M270M/M270 Grade 50W 345W Structural Steel Plate	$1.04
12	ASTM A709/A709M Grade 50W / AASHTO M270M/M270 Grade 50W or 345W Structural Steel Shapes	$0.93
13	ASTM A709/A709M Grade HPS 50W / AASHTO M270M/M270 Grade HPS 50W or 345W Structural Steel Plate	$1.09
14	ASTM A709/A709M Grade HPS 70W / AASHTO M270M/M270 Grade HPS 70W or 485W Structural Steel Plate	$1.16
15	ASTM A514/A514M-05 Grade HPS 100W / AASHTO M270M/M270 Grade HPS 100W or 690W Structural Steel Plate	$1.78
16	ASTM A992/A992M Grade 50S / AASHTO M270M/M270 Grade 50S or 345S Structural Steel Plate	$1.04
17	ASTM A992/A992M Grade 50S / AASHTO M270M/M270 Grade 50S or 345S Structural Steel Shapes	$0.93
18	ASTM A276 Type 316 Stainless Steel	$5.30
19	ASTM A240 Type 316 Stainless Steel	$5.30
20	ASTM A148 Grade 80/50 Steel Castings (See Note below.)	$1.83
21	ASTM A53 Grade B Structural Steel Pipe	$1.16
22	ASTM A500 Grades A, B, 36 & 50 Structural Steel Pipe	$1.16
23	ASTM A252, Grades 240 (36 KSI) & 414 (60 KSI) Pipe Pile	$0.91
24	ASTM 252, Grade 2 Permanent Steel Casing	$0.91
25	ASTM A36 (AASHTO M183) for H-piles, steel supports and sign supports	$0.98
26	ASTM A328 / A328M, Grade 50 (AASHTO M202) Steel Sheetpiling	$1.75
27	ASTM A572 / A572M, Grade 50 Sheetpiling	$1.75
28	ASTM A36/36M, Grade 50	$1.00
29	ASTM A570, Grade 50	$0.98
30	ASTM A572 (AASHTO M223), Grade 50 H-Piles	$1.00
31	ASTM A1085 Grade A (50 KSI) Steel Hollow Structural Sections (HSS), heat-treated per ASTM A1085 Supplement S1	$1.16
32	AREA 140 LB Rail and Track Accessories	$0.60

NOTE: Steel Castings are generally used only on moveable bridges. Cast iron frames, grates and pipe are not “steel” castings and will not be considered for price adjustments.

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① Addendum No. 1, July 26, 2024

ITEM 251.08 8 INCH TEMPORARY SANITARY SEWER PIPE BYPASS SYSTEM LUMP SUM

The work under this Item shall conform to the relevant provisions of Subsection 230 of the Standard Specifications and the following:

This Section includes furnishing of all materials, labor, equipment, power, and maintenance, to implement a temporary pumping system for the purpose of diverting existing wastewater flows around the work area for the duration of the project. Work includes removing temporary connections, plugs, and bypasses, and transferring the flows to the new pipes.

The Temporary Sanitary Sewer ByPass System is expected to remain operational during the winter shutdown period as the construction schedule is anticipated to take two (2) construction seasons.

The design, installation and operation of the temporary pumping system shall be the Contractor's responsibility. The Contractor shall employ the services of a vendor firm who can demonstrate to the Engineer that it has the required expertise in the design and operation of temporary bypass pumping systems. The vendor firm shall provide at least five references of projects similar in size and complexity to this project that have been performed by the firm within the past three years.

The by-pass system shall meet the requirements of all codes and regulatory agencies having jurisdiction.

MATERIALS AND SYSTEM REQUIREMENTS

Equipment

All pumps used shall be centrifugal, end suction, fully automatic self-priming units that do not require the use of foot-valves, diaphragm pumps, isolation valves or vacuum pumps in the priming system. The pumps may be electric or diesel powered. All pumps used must be constructed to allow dry running for long periods to accommodate the cyclical nature of bypass flows. The pumps shall not be hydraulic submersible type.

①

The Contractor shall provide the necessary stop/start controls for each pump.

The Contractor shall include one stand-by pump system (including suction and discharge piping) of each size to be maintained on site.

Additional back-up pumps shall be on-line, isolated from the primary system by a valve.

ITEM 251.08 (Continued)

Discharge Piping - in order to prevent the accidental spillage of flows, all temporary discharge systems shall be constructed of rigid pipe with positive, restrained, watertight or fused joints. Under no circumstances will aluminum "Irrigation" type piping or glued PVC pipe be allowed. Discharge hoses will only be allowed in short sections and with the specific permission of the Engineer.

① Allowable piping materials will be steel sewer pipe or fused, high-density polyethylene pipe

System Description

Design Requirements

1. Bypass pumping systems shall have sufficient capacity to pump at the following:

- Sutton Sewer at Blackstone Street (From proposed Sewer Manhole identified on the plans)
    - Peak flow of approximately 10,000 GPD
    - ① Suction and discharge elevations according to the contract drawings.

①

- Sutton Sewer at Depot Street (From existing Sewer Manhole identified on the plans)
    - Peak flow of approximately 20,000 GPD
    - ① Suction and discharge elevations according to the contract drawings.

①

2. The Contractor shall provide all pipeline, plugs, pumps of adequate size to handle peak flow, and discharge piping to ensure that the total flow can be safely diverted around the area of work. Bypass pumping system will be required to operate 24 hours per day.
3. The Contractor shall have adequate standby power and pumping equipment available and ready for immediate operation and use in the event of an emergency or breakdown. One standby pump for each size pump utilized shall be installed at the mainline flow bypassing locations, ready for use in the event of primary pump failure.
4. Bypass pumping system shall be capable of bypassing the flow around the work area and not releasing any amount of flow into the work area for satisfactory performance of work.

① Addendum No. 1, July 26, 2024

ITEM 254.08 8 INCH SEWER PIPE INSULATION FOOT

The work under this Item shall conform to the relevant provisions of Section 300 of the Standard Specifications and the following:

Work under this item shall include furnishing of all material, accessories, labor, and equipment necessary to insulate the pipelines as shown on the drawings and where so required by the Engineer.

REFERENCES

American Society for Testing and Materials (ASTM)

ASTM C552 Specification for Cellular Glass Block and Pipe Thermal Insulation

PRODUCTS

INSULATION: DIRECT BURIED PIPE

A. Insulation shall be cellular glass type. The insulation shall be a cellular glass product that is made specifically for thermal insulation of piping and is compatible with the piping material. Insulation shall be a minimum of 2-inches thick, unless otherwise shown on the drawings.

B. Insulation shall be composed of all glass sealed cells having no binders or fillers. The completed product shall be rigid and impermeable, with an ultimate compressive strength of at least 90 psi. The thermal conductivity of the cellular glass shall be no higher than 0.29 BTU-in./hr • ft2 • oF @ 75oF and 0.28 BTU-in./hr • ft2 • oF @ 50oF.

C. The cellular glass insulation shall comply with all requirements of ASTM C552. The cellular glass shall be fabricated in half sections whenever possible.

D. Bands for securing the insulation to the pipe shall be 0.5 inches wide by 0.020 inches thick made of stainless steel.

E. The jacketing for the insulation shall be one of the following methods:

1. A 125 mil (3mm) thick, heat-sealed high polymer asphaltic membrane with an integral glass scrim and integral 1 mil (.02mm) aluminum foil and a thin Mylar film on the surface. ①

2. Mastic - asphalt cutback mastic. ①

3. Reinforcing fabric - an open mesh polyester fabric with a 6 x 5.5 mesh/inch configuration. ①

ITEM 254.08 (Continued)

① F. A minimum of 6" layer of fine sand shall surround the insulated pipe before rock free backfill is used in the trench.

① G. The insulation and jacketing shall be installed per the manufacturer instructions included in the approved shop drawings.

H. Tees, valves, and bends shall be covered with form fitting factory made sections.

INSULATION: ABOVE GROUND PIPING

A. Insulation shall be cellular glass type. The insulation shall be a cellular glass product that is made specifically for thermal insulation of piping and is compatible with the piping material. Insulation shall be a minimum of 2-inches thick, unless otherwise shown on the drawings.

B. Insulation shall be composed of all glass sealed cells having no binders or fillers. The completed product shall be rigid and impermeable, with an ultimate compressive strength of at least 100 psi. The thermal conductivity of the cellular glass shall be no higher than 0.40 BTU/(hr)(sq. ft.)(EF/in).

C. The cellular glass insulation shall comply with all requirements of ASTM C552. The cellular glass shall be fabricated in half sections whenever possible.

D. The jacketing for the insulation shall be one of the following methods:

1.Metal Jacketing - 0.016" smooth aluminum jacket.
2.Metal Bands - 0.5" X 0.020" stainless steel bands with matching seals.

①

① E. The insulation and jacketing shall be installed per the manufacturer instructions included in the approved shop drawings.

① F. Tees, valves, and bends shall be covered with form fitting factory made sections.

EXECUTION

A. Cellular glass shall not be applied to the piping until the piping has been wiped clean and supported so that there is adequate space to apply the full thickness of insulation and the covering completely around the pipe. The Contractor must obtain the Engineer’s approval before the installation begins.

① Addendum No. 1, July 26, 2024

Project # 608640	Contract # 126595			
Location : GRAFTON - SUTTON				
Description : Bridge Replacement, S-33-004, Depot Street over the Blackstone River				
ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
202.2	2	MANHOLE (9 TO 14 FOOT DEPTH) AT _____ EACH		
210.	3	SANITARY SEWER MANHOLE AT _____ EACH		
210.02	5	SANITARY SEWER MANHOLE REMOVED AT _____ EACH		
211.	2	SPECIAL SANITARY SEWER MANHOLE AT _____ EACH		
220.	1	DRAINAGE STRUCTURE ADJUSTED AT _____ EACH		
220.7	5	SANITARY STRUCTURE ADJUSTED AT _____ EACH		
221.	9	FRAME AND COVER AT _____ EACH		
222.3	6	FRAME AND GRATE (OR COVER) MUNICIPAL STANDARD AT _____ EACH		
223.1	4	FRAME AND GRATE (OR COVER) REMOVED AND STACKED AT _____ EACH		

① Item 204. has been deleted

Addendum No. 1, July 26, 2024

Project # 608640	Contract # 126595			
Location : GRAFTON - SUTTON				
Description : Bridge Replacement, S-33-004, Depot Street over the Blackstone River				
ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
225.52	5	TRAP AND HOOD MUNICIPAL STANDARD AT _____ EACH		
227.3	1	REMOVAL OF DRAINAGE STRUCTURE SEDIMENT AT _____ PER CUBIC YARD		
227.31	100	REMOVAL OF DRAINAGE PIPE SEDIMENT AT _____ PER FOOT		
227.4	4	MASONRY PLUG AT _____ PER SQUARE FOOT		
238.08	275	8 INCH EPOXY LINED DUCTILE IRON SANITARY SEWER PIPE AT _____ PER FOOT		
241.12	185	12 INCH REINFORCED CONCRETE PIPE CLASS III AT _____ PER FOOT		
242.12	3	12 INCH REINFORCED CONCRETE PIPE FLARED END AT _____ EACH		
250.08	100	8 INCH POLYVINYL CHLORIDE SANITARY SEWER PIPE AT _____ PER FOOT		
251.08	1	8 INCH TEMPORARY SANITARY SEWER PIPE BYPASS SYSTEM AT _____ LUMP SUM		

Addendum No. 1, July 26, 2024

Project # 608640	Contract # 126595			
Location : GRAFTON - SUTTON				
Description : Bridge Replacement, S-33-004, Depot Street over the Blackstone River				
ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
254.08	145	8 INCH SEWER PIPE INSULATION AT _____ PER FOOT		
258.	15	STONE FOR PIPE ENDS AT _____ PER SQUARE YARD		
271.12	310	12 INCH AND UNDER PIPE REMOVED AND STACKED AT _____ PER FOOT		
302.06	20	6 INCH DUCTILE IRON WATER PIPE (RUBBER GASKET) AT _____ PER FOOT		
302.08	20	8 INCH DUCTILE IRON WATER PIPE (RUBBER GASKET) AT _____ PER FOOT		
302.12	260	12 INCH DUCTILE IRON WATER PIPE (RUBBER GASKET) AT _____ PER FOOT		
309.	1,400	DUCTILE IRON FITTINGS FOR WATER PIPE AT _____ PER POUND		
315.06	15	6 INCH WATER MAIN REMOVED AND STACKED AT _____ PER FOOT		
315.08	210	8 INCH WATER MAIN REMOVED AND STACKED AT _____ PER FOOT		

Addendum No. 1, July 26, 2024

Project # 608640	Contract # 126595			
Location : GRAFTON - SUTTON				
Description : Bridge Replacement, S-33-004, Depot Street over the Blackstone River				
ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
345.8	300	8 INCH HDPE TEMPORARY SERVICE PIPE AT _____ PER FOOT		
350.06	3	6 INCH GATE AND GATE BOX AT _____ EACH		
350.12	3	12 INCH GATE AND GATE BOX AT _____ EACH		
358.	6	GATE BOX ADJUSTED AT _____ EACH		
363.1	2	1 INCH CORPORATION COCK AT _____ EACH		
371.08	4	8 INCH COUPLING AT _____ EACH		
373.12	130	12 INCH WATER PIPE INSULATION AT _____ PER FOOT		
376.	2	HYDRANT AT _____ EACH		
376.3	2	HYDRANT - REMOVED AND STACKED AT _____ EACH		

Addendum No. 1, July 26, 2024

Project # 608640	Contract # 126595			
Location : GRAFTON - SUTTON				
Description : Bridge Replacement, S-33-004, Depot Street over the Blackstone River				
ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
402.	120	DENSE GRADED CRUSHED STONE FOR SUB-BASE AT _____ PER CUBIC YARD		
415.3	230	PAVEMENT MICRO MILLING AT _____ PER SQUARE YARD		
440.	1,100	CALCIUM CHLORIDE FOR ROADWAY DUST CONTROL AT _____ PER POUND		
443.	2	WATER FOR ROADWAY DUST CONTROL AT _____ PER 1000 GALLONS		
450.31	120	SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC -12.5) AT _____ PER TON		
450.42	240	SUPERPAVE BASE COURSE - 37.5 (SBC - 37.5) AT _____ PER TON		
450.60	140	SUPERPAVE BRIDGE SURFACE COURSE - 9.5 (SSC-B - 9.5) AT _____ PER TON		
450.70	26	SUPERPAVE BRIDGE PROTECTIVE COURSE - 9.5 (SPC-B - 9.5) AT _____ PER TON		
450.71	5	SUPERPAVE BRIDGE PROTECTIVE COURSE - 12.5 (SPC-B - 12.5) AT _____ PER TON		

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Project # 608640	Contract # 126595			
Location : GRAFTON - SUTTON				
Description : Bridge Replacement, S-33-004, Depot Street over the Blackstone River				
ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
451.	1	HMA FOR PATCHING AT _____ PER TON		
452.	210	ASPHALT EMULSION FOR TACK COAT AT _____ PER GALLON		
453.	900	HMA JOINT ADHESIVE AT _____ PER FOOT		
470.	5	HOT MIX ASPHALT BERM AT _____ PER TON		
472.	25	TEMPORARY ASPHALT PATCHING AT _____ PER TON		
482.31	50	SAWING AND SEALING JOINTS IN ASPHALT PAVEMENT AT BRIDGES AT _____ PER FOOT		
503.	50	GRANITE CURB TYPE VA3 - STRAIGHT AT _____ PER FOOT		
504.	170	GRANITE CURB TYPE VA4 - STRAIGHT AT _____ PER FOOT		
509.	20	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - STRAIGHT AT _____ PER FOOT		

Addendum No. 1, July 26, 2024

Project # 608640	Contract # 126595			
Location : GRAFTON - SUTTON				
Description : Bridge Replacement, S-33-004, Depot Street over the Blackstone River				
ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
509.1	20	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - CURVED AT _____ PER FOOT		
620.12	145	GUARDRAIL, TL-2 (SINGLE FACED) AT _____ PER FOOT		
627.1	2	TRAILING ANCHORAGE AT _____ EACH		
627.82	3	GUARDRAIL TANGENT END TREATMENT, TL-2 AT _____ EACH		
628.21	1	TRANSITION TO NCHRP 350 GUARDRAIL AT _____ EACH		
628.24	4	TRANSITION TO BRIDGE RAIL AT _____ EACH		
628.314	2	TEMPORARY IMPACT ATTENUATOR, REDIRECTIVE, TL-2 AT _____ EACH		
630.2	265	HIGHWAY GUARD REMOVED AND DISCARDED AT _____ PER FOOT		
657.	330	TEMPORARY FENCE AT _____ PER FOOT		

Addendum No. 1, July 26, 2024

Project # 608640	Contract # 126595			
Location : GRAFTON - SUTTON				
Description : Bridge Replacement, S-33-004, Depot Street over the Blackstone River				
ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
697.1	7	SILT SACK AT _____ EACH		
697.2	400	FLOATING SILT FENCE AT _____ PER FOOT		
698.4	415	GEOTEXTILE FABRIC FOR PERMANENT EROSION CONTROL AT _____ PER SQUARE YARD		
701.	220	CEMENT CONCRETE SIDEWALK AT _____ PER SQUARE YARD		
701.2	30	CEMENT CONCRETE PEDESTRIAN CURB RAMP AT _____ PER SQUARE YARD		
702.	100	HOT MIX ASPHALT SIDEWALK OR DRIVEWAY AT _____ PER TON		
710.4	14	BOUND - PLAIN GRANITE AT _____ EACH		
715.	1	RURAL MAIL BOX REMOVED AND RESET AT _____ EACH		
740.	25	ENGINEER'S FIELD OFFICE AND EQUIPMENT (TYPE A) AT _____ PER MONTH		

Addendum No. 1, July 26, 2024

Project # 608640	Contract # 126595			
Location : GRAFTON - SUTTON				
Description : Bridge Replacement, S-33-004, Depot Street over the Blackstone River				
ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
748.	1	MOBILIZATION AT _____ LUMP SUM		
751.	180	LOAM FOR ROADSIDES AT _____ PER CUBIC YARD		
756.	1	NPDES STORMWATER POLLUTION PREVENTION PLAN AT _____ LUMP SUM		
765.	1,400	SEEDING AT _____ PER SQUARE YARD		
767.121	1,060	SEDIMENT CONTROL BARRIER AT _____ PER FOOT		
767.9	1,260	JUTE MESH AT _____ PER SQUARE YARD		
769.	145	PAVEMENT MILLING MULCH UNDER GUARD RAIL AT _____ PER FOOT		
832.	6.25	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A) AT _____ PER SQUARE FOOT		
833.5	6	DEMOUNTABLE REFLECTORIZED DELINEATOR - GUARD RAIL AT _____ EACH		

Addendum No. 1, July 26, 2024

Project # 608640	Contract # 126595			
Location : GRAFTON - SUTTON				
Description : Bridge Replacement, S-33-004, Depot Street over the Blackstone River				
ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
833.7	4	DELINEATION FOR GUARD RAIL TERMINI AT _____ EACH		
847.1	3	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL AT _____ EACH		
850.41	4,030	ROADWAY FLAGGER AT _____ PER HOUR		
851.1	755	TRAFFIC CONES FOR TRAFFIC MANAGEMENT AT _____ PER DAY		
852.	700	SAFETY SIGNING FOR TRAFFIC MANAGEMENT AT _____ PER SQUARE FOOT		
853.1	7	PORTABLE BREAKAWAY BARRICADE TYPE III AT _____ EACH		
853.2	150	TEMPORARY BARRIER (TL-2) AT _____ PER FOOT		
853.21	150	TEMPORARY BARRIER REMOVED AND RESET AT _____ PER FOOT		
853.8	755	TEMPORARY ILLUMINATION FOR WORK ZONE AT _____ PER DAY		

Addendum No. 1, July 26, 2024

Project # 608640	Contract # 126595			
Location : GRAFTON - SUTTON				
Description : Bridge Replacement, S-33-004, Depot Street over the Blackstone River				
ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
854.036	25	TEMPORARY PAVING MARKINGS - 6 INCH (TAPE) AT _____ PER FOOT		
854.1	125	PAVEMENT MARKING REMOVAL AT _____ PER SQUARE FOOT		
856.	1,510	ARROW BOARD AT _____ PER DAY		
856.12	50	PORTABLE CHANGEABLE MESSAGE SIGN AT _____ PER DAY		
859.	11,310	REFLECTORIZED DRUM AT _____ PER DAY		
866.206	660	6 INCH REFLECTORIZED WHITE LINE (POLYUREA) (RECESSED) AT _____ PER FOOT		
866.212	20	12 INCH REFLECTORIZED WHITE LINE (POLYUREA) (RECESSED) AT _____ PER FOOT		
867.206	640	6 INCH REFLECTORIZED YELLOW LINE (POLYUREA) (RECESSED) AT _____ PER FOOT		
874.	3	STREET NAME SIGN AT _____ EACH		

Addendum No. 1, July 26, 2024

Project # 608640	Contract # 126595			
Location : GRAFTON - SUTTON				
Description : Bridge Replacement, S-33-004, Depot Street over the Blackstone River				
ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
874.2	4	TRAFFIC SIGN REMOVED AND RESET AT _____ EACH		
874.4	3	TRAFFIC SIGN REMOVED AND STACKED AT _____ EACH		
874.8	2	MISCELLANEOUS SIGNS REMOVED AND RESET AT _____ EACH		
877.1	1	SIGN POST REMOVED AND DISCARDED AT _____ EACH		
903.	2	3000 PSI, 1.5 INCH, 470 CEMENT CONCRETE AT _____ PER CUBIC YARD		
945.10	4,020	DRILLED MICROPILES AT _____ PER FOOT		
948.60	1	MICROPILE VERIFICATION LOAD TEST AT _____ EACH		
948.61	6	MICROPILE PROOF LOAD TEST AT _____ EACH		
953.1	1	TEMPORARY SUPPORT OF EXCAVATION AT _____ LUMP SUM		

① Addendum No. 1, July 26, 2024

Project # 608640	**Contract # 126595**			
Location :	**GRAFTON - SUTTON**			
Description :	**Bridge Replacement, S-33-004, Depot Street over the Blackstone River**			
ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
983.	610	DUMPED RIPRAP AT _____ PER TON		
983.521	1	STREAMBED RESTORATION AT _____ LUMP SUM		
991.1	1	CONTROL OF WATER - STRUCTURE NO. S-33-004 (C92) AT _____ LUMP SUM		
993.2	1	TEMPORARY UTILITY BRIDGE AT _____ LUMP SUM		
995.01	1	BRIDGE STRUCTURE, BRIDGE NO. S-33-004 (C92) AT _____ LUMP SUM		
① **Total Qty:**	49,670.55			