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

MassDOT
Massachusetts Department of Transportation
Highway Division

August 30, 2024

Proposal No. 609435-126585

ADDENDUM NO. 4

To Prospective Bidders and Others on:

PLYMPTON
Federal Aid Project No. STP(BR-OFF)-003S(740)X
Bridge Replacement, P-14-001 (445),
Winnetuxet Road Over Winnetuxet River

BIDS TO BE OPENED AND READ: WEDNESDAY, SEPTEMBER 4, 2024 at 2:00 P.M.

Transmitting changes to the Contract Documents as follows:

RESPONSE TO BIDDER'S QUESTION
1 page

COVER
Revised cover

DOCUMENT 00104
Revised pages 1 & 3

DOCUMENT 00813
Deleted Document in its' entirety and inserted new document – 4 pages

DOCUMENT A00801
Inserted pages 31.1 thru 31.4

DOCUMENT B00420
Revised pages 3 thru 12

Regarding project value and bid amount submitted, official bidders are to review their Prequalification Certificate single contract limit in the class of work and their single contract bond limit regarding the need for a Prequalification waiver request.

Please take note of the above, substitute the revised pages for the originals, delete the document indicated, insert the new pages and document in the proper order and acknowledge Addendum No. 4 in your Expedite Proposal file before submitting your bid.

Very truly yours,

Eric M. Cardone Digitally signed by Eric M. Cardone Date: 2024.08.30 12:32:12 -04'00'

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

Jb
cc H. Adolphe, Project Manager

Ten Park Plaza, Suite 4160, Boston, MA 02116
Tel: 857-368-4636, TTY: 857-368-0655
mass.gov/massdot

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RESPONSES TO BIDDER'S QUESTIONS

PLYMPTON
Federal Aid Project No. STP(BR-OFF)-003S(740)X
Bridge Replacement, P-14-001 (445),
Winnetuxet Road Over Winnetuxet River
(609435-126585)

Question from MAS Building & Bridge Dated 7/25/2024 @ 8:21 AM

Question 3.) Refer to Note 3 on Sheet 14 of 23 of the Bridge Plans under Construction Notes. Please provide details and/or specifications for the monitoring of the existing dam and spillway. Please consider adding the appropriate standard MassDOT bid items that encompasses this scope of work.

Revised
Response 3.) Item 100.99, Structure and Geotechnical Monitoring is hereby added via this addendum. See pages A00810-31.1 thru 31.4 and revised pages B00420-3 thru 12 attached.

jb

COMMONWEALTH OF MASSACHUSETTS

④ ADDENDUM NO. 4, AUGUST 30, 2024

③ ADDENDUM NO. 3, AUGUST 16, 2024

②ADDENDUM NO. 2, AUGUST 1, 2024

CONTRACT DOCUMENTS AND SPECIAL PROVISIONS

PROPOSAL NO.	609435-126585
P.V. =	**$2,164,000.00** ④
PLANS	YES

FOR

Federal Aid Project No. STP(BR-OFF)-003S(740)X
Bridge Replacement, P-14-001 (445),
Winnetuxet Road Over Winnetuxet River

in the Town of

PLYMPTON

In accordance with the STANDARD SPECIFICATIONS
for HIGHWAYS and BRIDGES dated 2024

③② This Proposal to be opened and read: **WEDNESDAY, SEPTEMBER 4, 2024 at 2:00 P.M.**

④ADDENDUM NO. 4, AUGUST 30, 2024

②ADDENDUM NO. 2, AUGUST 1, 2024 ③ADDENDUM NO. 3, AUGUST 16, 2024

DOCUMENT 00104

NOTICE TO CONTRACTORS

Electronic proposals for the following project will be received through the internet using Bid Express until the date and time stated below and will be posted on www.bidx.com forthwith after the bid submission deadline. No paper copies of bids will be accepted. All Bidders must have a valid vendor code issued by MassDOT in order to bid on projects. Bidders need to apply for a Digital ID at least 14 days prior to a scheduled bid opening date with Bid Express.

③② **WEDNESDAY, SEPTEMBER 4, 2024 at 2:00 P.M. ****

PLYMPTON

Federal Aid Project No. STP(BR-OFF)-003S(740)X

Bridge Replacement, P-14-001 (445),

Winnetuxet Road Over Winnetuxet River

****Date Subject to Change**

④ PROJECT VALUE = **$2,164,000.00**

Bidders must be pre-qualified by the Department in the BRIDGE-CONSTRUCTION category to bid on the above project. An award will not be made to a Contractor who is not pre-qualified by the Department prior to the opening of Proposals.

All prospective Bidders who intend to bid on this project must obtain "Request Proposal Form (R109)". The blank "Request Proposal Form (R109)" can be obtained at: https://www.mass.gov/prequalification-of-horizontal-construction-firms.

All prospective Bidders must complete and e-mail an electronic copy of "Request Proposal Form (R109)" to the MassDOT Director of Prequalification for approval: prequal.r109@dot.state.ma.us.

Proposal documents for official bidders are posted on www.bidx.com. Other interested parties may receive informational Contract Documents containing the Plans and Special Provisions, free of charge.

Bids will be considered, and the contract awarded in accordance with statutes governing such contracts in accordance with Massachusetts General Laws Chapter 30 § 39M.

The Project Bids File Attachments folder for proposals at www.bidx.com shall be used for submitting at the time of bid required information such as the Bid Bond required document, and other documents that may be requested in the proposal.

④ADDENDUM NO. 4, AUGUST 30, 2024

①ADDENDUM NO. 1, JULY 26, 2024 ③ADDENDUM NO. 3, AUGUST 16, 2024

NOTICE TO CONTRACTORS (Continued)

④③① 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 $575.00 per ton, Portland cement $425.53 per ton, diesel fuel $2.883 per gallon, and gasoline $2.813 per gallon, and Steel Base Price Index **415.9**. 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. 4, AUGUST 30, 2024

DOCUMENT 00813

SPECIAL PROVISIONS

PRICE ADJUSTMENTS FOR STRUCTURAL STEEL AND REINFORCING STEEL

August 21, 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	$0.64
2	ASTM A27 (AASHTO M103) Steel Castings, H-Pile Points & Pipe Pile Shoes (See Note (8) below.)	$0.88
3	ASTM A668 / A668M (AASHTO M102) Steel Forgings	$0.88
4	ASTM A108 (AASHTO M169) Steel Forgings for Shear Studs	$0.91
5	ASTM A709/A709M Grade 36 / AASHTO M270M/M270 Grade 36 or 250 Structural Steel Plate	$0.98
6	ASTM A709/A709M Grade 36 / AASHTO M270M/M270 Grade 36 or 250 Structural Steel Shapes	$0.90
7	ASTM A709/A709M Grade 50 / AASHTO M270M/M270 Grade 50 or 345 Structural Steel Plate	$0.98
8	ASTM A709/A709M Grade 50 / AASHTO M270M/M270 Grade 50 or 345 Structural Steel Shapes	$0.90
9	ASTM A709/A709M Grade 50WT / AASHTO M270M/M270 Grade 50WT or 345WT Structural Steel Plate	$1.02
10	ASTM A709/A709M Grade 50WT / AASHTO M270M/M270 Grade 50WT or 345WT Structural Steel Shapes	$0.91
11	ASTM A709/A709M Grade 50W / AASHTO M270M/M270 Grade 50W 345W Structural Steel Plate	$1.02
12	ASTM A709/A709M Grade 50W / AASHTO M270M/M270 Grade 50W or 345W Structural Steel Shapes	$0.91
13	ASTM A709/A709M Grade HPS 50W / AASHTO M270M/M270 Grade HPS 50W or 345W Structural Steel Plate	$1.06
14	ASTM A709/A709M Grade HPS 70W / AASHTO M270M/M270 Grade HPS 70W or 485W Structural Steel Plate	$1.13
15	ASTM A514/A514M-05 Grade HPS 100W / AASHTO M270M/M270 Grade HPS 100W or 690W Structural Steel Plate	$1.74
16	ASTM A992/A992M Grade 50S / AASHTO M270M/M270 Grade 50S or 345S Structural Steel Plate	$1.02
17	ASTM A992/A992M Grade 50S / AASHTO M270M/M270 Grade 50S or 345S Structural Steel Shapes	$0.91
18	ASTM A276 Type 316 Stainless Steel	$5.18
19	ASTM A240 Type 316 Stainless Steel	$5.18
20	ASTM A148 Grade 80/50 Steel Castings (See Note (8) below.)	$1.79
21	ASTM A53 Grade B Structural Steel Pipe	$1.13
22	ASTM A500 Grades A, B, 36 & 50 Structural Steel Pipe	$1.13
23	ASTM A252, Grades 240 (36 KSI) & 414 (60 KSI) Pipe Pile	$0.89
24	ASTM 252, Grade 2 Permanent Steel Casing	$0.89
25	ASTM A36 (AASHTO M183) for H-piles, steel supports and sign supports	$0.96
26	ASTM A328 / A328M, Grade 50 (AASHTO M202) Steel Sheetpiling	$1.71
27	ASTM A572 / A572M, Grade 50 Sheetpiling	$1.71
28	ASTM A36/36M, Grade 50	$0.98
29	ASTM A570, Grade 50	$0.96
30	ASTM A572 (AASHTO M223), Grade 50 H-Piles	$0.98
31	ASTM A1085 Grade A (50 KSI) Steel Hollow Structural Sections (HSS), heat-treated per ASTM A1085 Supplement S1	$1.13
32	AREA 140 LB Rail and Track Accessories	$0.59

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.

END OF DOCUMENT

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ITEM 100.99 STRUCTURE AND GEOTECHNICAL MONITORING LUMP SUM

The work under this Item shall conform to the relevant provisions of Subsection 100 of the Standard Specifications and the following:

The work under this heading shall include all materials, equipment, labor and professional services required to develop plan, install, protect, replace, monitor and report on the spillway and dam during construction.

The intent of this Item is to monitor the existing spillway structure and dam and ensure the integrity of the existing dam and spillway during construction of the proposed abutments and bridge. A monitoring program shall be approved by the Engineer and installed at least 30 days prior to any excavation, dewatering, installation of temporary/permanent support of excavation, pile, shaft, fill compaction, or activity which could cause significant ground vibrations.

The Contractor is fully responsible for the development of an instrumentation and monitoring system as part of the deliverables required by the Contract Documents. The Contractor shall submit a structure and geotechnical monitoring plan listing all required equipment and showing its proposed location on the dam and spillway. The plan shall also describe the monitoring procedures to be followed.

Materials

Furnish, install, monitor, and maintain instrumentation specified herein to ensure the safety of personnel and the Work. Unless otherwise noted, the instrumentation and monitoring system shall be operated 24 hours a day and 7 days a week during the Project's construction activities. Upon completion of the work, monitoring should be weekly for 3 months, then monthly for an additional 3 months for a total of 6 months post-work completion monitoring.

Surface protection of instruments shall be flush with the ground surface in paved or other improved areas. Secure instrumentation to prevent theft and vandalism.

The anticipated geotechnical instrumentation may include monitoring points, vibrating wire piezometers, and slope inclinometers.

1. Monitoring Points

Monitoring points shall consist of 3 inch long surveyors' "PK" nails, securely nailed in place. "PK" nails consist of heavy duty hardened steel survey nail with an indentation in the middle of its head, driven into the ground to mark a position precisely. The point shall be clearly identified using fluorescent non-permanent spray paint adjacent to the point.
Structural Monitoring Points (SMP) shall consist of optical survey target which is established to monitor by survey methods the occurrence and amount of vertical and horizontal displacements with a repeatable accuracy of 0.01 ft or better.

2. Inclinometer

Specially grooved casing used to monitor horizontal ground displacements occurring during construction relative to a fixed position at the bottom of the casing or borehole.

ITEM 100.99 (Continued)

3. Vibrating Wire Piezometer

A type of piezometer used to monitor pore-water pressure and water levels to evaluate slope stability and performance of earth fill dams. The vibrating wire transducer inside the piezometer converts water pressure to a frequency signal via a diaphragm, a tensioned steel wire, and an electromagnetic coil.

4. Instrumentation Monitoring System

An integrated, internet-accessible system that receives, stores, transfers, displays and reports data from geotechnical instrumentation that are collected by automated means or manually logged. The system should provide alert notifications.

Methods

Dam and spillway geotechnical instrumentation shall be used to measure horizontal and vertical displacements of these structures during construction of the proposed abutments and bridge, including excavation, dewatering, installation of temporary/permanent support of excavation, pile, shaft, fill compaction, or activity which could cause significant ground vibrations.

The Contractor shall retain a Geotechnical Monitoring Consultant to install, monitor, maintain and report on the monitoring points. This proposed subconsultant must be preapproved by the Engineer. The subconsultant shall have the demonstrated experience to perform the work and shall provide reference to at least three (3) similar past projects in New England.

A baseline report of the dam and spillway shall be prepared 30 days prior to the start of construction.

Criteria

The following "threshold" and "limiting" movements of the existing dam and spillway elements shall be as follows:

Type of Instrumentation	Threshold Level	Limiting Level
Inclinometer	0.5 inch	1.0 inch
Monitoring Points	Horizontal: 0.25 inch Vertical: 0.125 inch	Horizontal: 0.5 inch Vertical: 0.25 inch

The Contractor or Geotechnical Monitoring Consultant shall immediately notify the Engineer and shall take immediate steps to control further movement by revising construction procedures as required if any of the following occur:

1. Field measurements indicate that any of the "threshold" movement criteria are reached or exceeded.
2. Field measurements or observations indicate that significant or sustained movements, beyond those reasonably expected, are occurring (total movement may be less than the "limiting" movement criteria).

ITEM 100.99 (Continued)

If "limiting" movements are being approached or reached, the Owner or Engineer may require the Contractor to temporarily suspend the work in the area where such movement is occurring and implement all necessary mitigation measures which are satisfactory to the Engineer and/or Owner, to arrest the movements, at no additional cost.

Work in the area where the "limiting" values have been reached shall not be permitted until the results of instrumentation can be reviewed and evaluated by the Engineer.

These criteria are intended to establish a minimum basis for the Contractor's design and procedures and does not relieve the Contractor of its responsibility for preventing detrimental movements and damage to adjacent structures, utilities or other work.

In the event the Contractor does not comply with the approved mitigation plan or continues work in violation of "threshold" or "limiting" values being reached or exceeded, the Contractor shall not be allowed to continue work until proper mitigation procedures and corrections have been made as determined by the Owner and Engineer. No claims for schedule delays will be allowed due to the Contractor's failure to comply with these requirements.

Submittals

The Contractor shall submit a plan/procedure for the implementation of the monitoring program thirty (30) days prior to starting work. As part of this submittal, a mitigation plan shall be provided to indicate the Contractor's course of action in the event that any of the established criteria are exceeded.

The Geotechnical Instrumentation Plan shall include the following at a minimum:

A. Geotechnical Instrumentation Plan

1. Proposed type and physical locations of instrumentation indicating layout and instrumentation installation details.
2. Plan should show the instrumentation in relation to nearby existing surface and subsurface structures and utilities and proposed bridge elements.
3. Instrumentation monitoring frequency and alert notification process.
4. Action limits for instruments not listed in Table and response plans for all instruments used.
5. Instrumentation installation details for each instrument used including baselining requirements.
6. Calibration requirements.
7. Instrumentation decommissioning and piezometer abandonment plan and procedures.
8. Post-construction Survey Report.

The Geotechnical Monitoring Consultant shall provide the Engineer with the baseline readings three days prior to starting on-site construction activities. Subsequent reports shall be provided to the Engineer prior to starting work the day following the day the readings were taken.

ITEM 100.99 (Continued)

BASIS OF PAYMENT

The work under Item 100.99, Structure and Geotechnical Monitoring will be paid at the Contract LUMP SUM Price, which price shall constitute full compensation for all labor, transportation, equipment, tools, disposal fees necessary or incidental to complete the work as specified above and/or as required by the Engineer.

Payment shall also include all costs associated with the professional services provided by the Geotechnical Monitoring Consultant and the collection and processing of all data and reporting this data to the Engineer.

massDOT Massachusetts Department of Transportation Highway Division

CMS Contract Management System

Project # 609435	Contract # 126585			
Location : PLYMPTON				
Description : Bridge Replacement, P-14-001 (445), Winnetuxet Road over Winnetuxet River				
ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
100.	1	SCHEDULE OF OPERATIONS - FIXED PRICE $10000 AT Ten Thousand Dollars LUMP SUM	$10,000.00	$10,000.00
④ 100.99	1	STRUCTURE AND GEOTECHNICAL MONITORING AT _____ LUMP SUM		
102.	0.05	SELECTIVE CLEARING AND THINNING AT _____ PER ACRE		
102.2	1	TREE TRIMMING AT _____ LUMP SUM		
104.	1	TREE REMOVED - DIAMETER 24 INCHES AND OVER AT _____ EACH		
114.1	1	DEMOLITION OF SUPERSTRUCTURE OF BRIDGE NO. P-14-001 AT _____ LUMP SUM		
120.1	100	UNCLASSIFIED EXCAVATION AT _____ PER CUBIC YARD		
127.1	22	REINFORCED CONCRETE EXCAVATION AT _____ PER CUBIC YARD		
140.	130	BRIDGE EXCAVATION AT _____ PER CUBIC YARD		

Project # 609435	Contract # 126585			
Location : PLYMPTON				
Description : Bridge Replacement, P-14-001 (445), Winnetuxet Road over Winnetuxet River				
ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
141.1	10	TEST PIT FOR EXPLORATION AT _____ PER CUBIC YARD		
144.	35	CLASS B ROCK EXCAVATION AT _____ PER CUBIC YARD		
150.	60	ORDINARY BORROW AT _____ PER CUBIC YARD		
151.	80	GRAVEL BORROW AT _____ PER CUBIC YARD		
151.1	50	GRAVEL BORROW FOR BRIDGE FOUNDATION AT _____ PER CUBIC YARD		
151.2	5	GRAVEL BORROW FOR BACKFILLING STRUCTURES AND PIPES AT _____ PER CUBIC YARD		
156.	70	CRUSHED STONE AT _____ PER TON		
170.	230	FINE GRADING AND COMPACTING - SUBGRADE AREA AT _____ PER SQUARE YARD		
180.01	1	ENVIRONMENTAL HEALTH AND SAFETY PROGRAM AT _____ LUMP SUM		

Project # 609435	Contract # 126585			
Location : PLYMPTON				
Description : Bridge Replacement, P-14-001 (445), Winnetuxet Road over Winnetuxet River				
ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
180.02	24	PERSONAL PROTECTION LEVEL C UPGRADE AT _____ PER HOUR		
180.03	24	LICENSED SITE PROFESSIONAL SERVICES AT _____ PER HOUR		
181.11	306	DISPOSAL OF UNREGULATED SOIL AT _____ PER TON		
181.12	25	DISPOSAL OF REGULATED SOIL - IN-STATE FACILITY AT _____ PER TON		
181.13	25	DISPOSAL OF REGULATED SOIL - OUT-OF-STATE FACILITY AT _____ PER TON		
181.14	4	DISPOSAL OF HAZARDOUS WASTE AT _____ PER TON		
184.1	3	DISPOSAL OF TREATED WOOD PRODUCTS AT _____ PER TON		
191.	77	DRIVE SAMPLE BORING AT _____ PER FOOT		
191.11	20	CORE BORING AT _____ PER FOOT		

Project # 609435	Contract # 126585			
Location : PLYMPTON				
Description : Bridge Replacement, P-14-001 (445), Winnetuxet Road over Winnetuxet River				
ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
193.	1	MOBILIZATION AND DISMANTLING OF BORING EQUIPMENT AT _____ LUMP SUM		
194.01	100	BACKFILL BORINGS AT _____ PER FOOT		
201.	2	CATCH BASIN AT _____ EACH		
202.	1	MANHOLE AT _____ EACH		
221.	1	FRAME AND COVER AT _____ EACH		
222.1	2	FRAME AND GRATE - MASSDOT CASCADE TYPE AT _____ EACH		
223.2	1	FRAME AND GRATE (OR COVER) REMOVED AND DISCARDED AT _____ EACH		
227.31	10	REMOVAL OF DRAINAGE PIPE SEDIMENT AT _____ PER FOOT		
238.12	30	12 INCH DUCTILE IRON PIPE AT _____ PER FOOT		

Project # 609435	Contract # 126585			
Location : PLYMPTON				
Description : Bridge Replacement, P-14-001 (445), Winnetuxet Road over Winnetuxet River				
ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
258.	5	STONE FOR PIPE ENDS AT _____ PER SQUARE YARD		
402.	25	DENSE GRADED CRUSHED STONE FOR SUB-BASE AT _____ PER CUBIC YARD		
415.2	50	PAVEMENT FINE MILLING AT _____ PER SQUARE YARD		
440.	200	CALCIUM CHLORIDE FOR ROADWAY DUST CONTROL AT _____ PER POUND		
450.23	30	SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5) AT _____ PER TON		
450.31	26	SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC -12.5) AT _____ PER TON		
450.42	38	SUPERPAVE BASE COURSE - 37.5 (SBC - 37.5) AT _____ PER TON		
450.601	6	SUPERPAVE BRIDGE SURFACE COURSE - 9.5 POLYMER (SSC-B - 9.5 - P) AT _____ PER TON		
450.701	6	SUPERPAVE BRIDGE PROTECTIVE COURSE - 9.5 POLYMER (SPC-B - 9.5 - P) AT _____ PER TON		

Project # 609435	Contract # 126585			
Location : PLYMPTON				
Description : Bridge Replacement, P-14-001 (445), Winnetuxet Road over Winnetuxet River				
ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
451.	1	HMA FOR PATCHING AT _____ PER TON		
452.	30	ASPHALT EMULSION FOR TACK COAT AT _____ PER GALLON		
453.	40	HMA JOINT ADHESIVE AT _____ PER FOOT		
470.	1	HOT MIX ASPHALT BERM AT _____ PER TON		
472.	2	TEMPORARY ASPHALT PATCHING AT _____ PER TON		
620.121	140	GUARDRAIL, STEEL-BACKED TIMBER, TL-2 (SINGLE FACED) AT _____ PER FOOT		
630.2	80	HIGHWAY GUARD REMOVED AND DISCARDED AT _____ PER FOOT		
657.	100	TEMPORARY FENCE AT _____ PER FOOT		
697.1	4	SILT SACK AT _____ EACH		

Project # 609435	Contract # 126585			
Location : PLYMPTON				
Description : Bridge Replacement, P-14-001 (445), Winnetuxet Road over Winnetuxet River				
ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
698.4	80	GEOTEXTILE FABRIC FOR PERMANENT EROSION CONTROL AT _____ PER SQUARE YARD		
702.	2	HOT MIX ASPHALT SIDEWALK OR DRIVEWAY AT _____ PER TON		
740.	10	ENGINEER'S FIELD OFFICE AND EQUIPMENT (TYPE A) AT _____ PER MONTH		
748.	1	MOBILIZATION AT _____ LUMP SUM		
751.	15	LOAM FOR ROADSIDES AT _____ PER CUBIC YARD		
756.	1	NPDES STORMWATER POLLUTION PREVENTION PLAN AT _____ LUMP SUM		
765.	95	SEEDING AT _____ PER SQUARE YARD		
767.121	200	SEDIMENT CONTROL BARRIER AT _____ PER FOOT		
769.	140	PAVEMENT MILLING MULCH UNDER GUARD RAIL AT _____ PER FOOT		

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ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
832.	30	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A) AT _____ PER SQUARE FOOT		
833.7	4	DELINEATION FOR GUARD RAIL TERMINI AT _____ EACH		
834.17	8	REFLECTORIZED FLEXIBLE DELINEATOR POST (AMBER) AT _____ EACH		
847.1	28	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL AT _____ EACH		
850.41	16	ROADWAY FLAGGER AT _____ PER HOUR		
852.	265	SAFETY SIGNING FOR TRAFFIC MANAGEMENT AT _____ PER SQUARE FOOT		
853.1	6	PORTABLE BREAKAWAY BARRICADE TYPE III AT _____ EACH		
853.2	32	TEMPORARY BARRIER (TL-2) AT _____ PER FOOT		
856.12	120	PORTABLE CHANGEABLE MESSAGE SIGN AT _____ PER DAY		

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ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
945.101	210	DRILLED SHAFT EXCAVATION 3.0 FOOT DIAMETER AT _____ PER FOOT		
945.301	20	OBSTRUCTION EXCAVATION 3.0 FOOT DIAMETER AT _____ PER FOOT		
945.501	210	DRILLED SHAFT 3.0 FOOT DIAMETER AT _____ PER FOOT		
945.601	135	PERMANENT CASING 3.0 FOOT DIAMETER AT _____ PER FOOT		
945.71	825	CROSS HOLE SONIC TESTING ACCESS PIPES AT _____ PER FOOT		
945.72	6	CROSS HOLE SONIC TEST AT _____ EACH		
945.81	1	OSTERBERG LOAD CELL AXIAL LOAD TEST AT _____ EACH		
952.	800	STEEL SHEETING AT _____ PER POUND		
983.1	140	RIPRAP AT _____ PER TON		

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ITEM #	**QUANTITY**	**ITEM WITH UNIT BID PRICE WRITTEN IN WORDS**	**UNIT PRICE**	**AMOUNT**
994.01	1	TEMPORARY PROTECTIVE SHIELDING BRIDGE NO. P-14-001 (CEN) AT _____ LUMP SUM		
995.01	1	BRIDGE STRUCTURE, BRIDGE NO. BRIDGE NO. P-14-001 (445) AT _____ LUMP SUM		
④ **Total Qty:**	5,640.05			