

**CITY OF NEWTON
PURCHASING DEPARTMENT**

***CONTRACT FOR PLANNING DEPARTMENT
(M.G.L. Ch. 30, §39M)***

**PROJECT MANUAL:
WASHINGTON STREET PILOT:
CHESTNUT ST TO LOWELL AVE**

INVITATION FOR BID #25-19

Bid Opening Date: October 24, 2024, at 10:00 am

OCTOBER 2024

Ruthanne Fuller, Mayor

**CITY OF NEWTON
TABLE OF CONTENTS
WASHINGTON ST PILOT: CHESTNUT ST TO LOWELL AVE**

	<u>Page #</u>
Cover Page	1
Table of Contents	2
 <u>Part 1 - Bidding Documents, Contract Forms, and Conditions of the Contract</u>	
1. - Invitation for Bid	3-4
2. - Instructions to Bidders	5-8
3. - Bid Form	9-11
4. - Bidder's Qualification Forms	12-13
- Certificate of Non-Collusion	14
- Certification of Tax Compliance	15
- Certificate of Foreign Corporation	16
- Debarment Letter	17
- IRS Form W-9	18
- Business Category Information Forms	19
5. - Contract Forms (information only)	20
▪ City - Contractor Contract	21-23
▪ Certificate of Authority - Corporate	24
▪ Payment Bond	25
▪	
6. - General Conditions of the Contract	26-27
7. - Wage Rate Requirements	28
▪ Department of Labor Minimum Wage Rates	29-72
▪ Notice to Awarding Authorities	73-74
▪ Statement of Compliance	75
▪ Weekly Payroll Report	76
 <u>Part 2 - General Requirements and Project Specifications</u>	
1. Special Conditions of the Contract for Public Works Construction	77-85
2. Summary of Work and Specific Requirements of the Contract	86-89
3. Items Sheets	90-100
4. General Requirements	101-117
5. Scope of Work	118-130
6. Construction Specifications	131-175
7. Design Plans/Drawings (43 pages - Separate File Attached)	

END OF SECTION

CITY OF NEWTON, MASSACHUSETTS

PURCHASING DEPARTMENT

INVITATION FOR BID #25-19

The City of Newton invites sealed bids in accordance with M.G.L. c.30, §39M from Contractors for:

WASHINGTON STREET PILOT: CHESTNUT STREET TO LOWELL AVENUE

Pre-Bid Meeting: 10:00 a.m., Thursday, October 17, 2024 via Zoom¹ (Not Mandatory)

Bids will be received until: 10:00 am, Thursday, October 24, 2024

at the Purchasing Department, Room 108, Newton City Hall, 1000 Commonwealth Avenue, Newton, MA 02459. Bids will not be accepted nor may submitted bids be corrected, modified or withdrawn after the delaine for bids. Immediately following the deadline for bids, all bids received within the time specified will be publicly opened and read aloud.

The work under this contract consists of all labor, materials, and equipment for a road diet with traffic calming and complete streets measures on Washington St. between Chestnut St. and Lowell Ave, including sidewalk and curb ramp reconstruction, installation of modular traffic islands and floating bus stops, precast concrete curb bases, flex posts, pavement markings, signage, landscaping improvements, application of a fog seal pavement treatment, and all other incidental work as shown on the plans, as described in the Contract Documents and as directed by the Engineer.

Documents relating to this Invitation for Bids (Contract Documents) will be available online at www.newtonma.gov/bids after **10:00 am October 10, 2024. Bids must be submitted with one (1) Original and two (2) Copies.**

Only contractors that have been prequalified by MassDOT in the HIGHWAY- CONSTRUCTION class of work, or that have an approved waiver, are eligible to bid on this contract. MassDOT will provide a list of Prequalified Construction Contractors to the City of Newton. Bidders will be verified at time of Bid Opening.

A bid deposit in an amount that is not less than five percent (5%) of the value of the bid, including all add alternates, is required. Bid deposits, payable to the City of Newton, shall be either in the form of a bid bond, or cash, or a certified check on, or a treasurer's or cashier's check issued by, a responsible bank or trust company. Bidders are reminded that the bid deposit covers the City for damages when a bidder withdraws its bid after the bid submission date. **Be advised that to the extent permitted by the law the City will retain all bid deposits for withdrawn bids.**

The costs of any bond and any insurance required in this Invitation for Bid are the responsibility of the bidder; such costs will not be reimbursed by City and should be included in your bid.

The City of Newton will award the contract to the lowest eligible and responsible bidder. Please Note: this bid, in accordance with the Chapter 303 Acts of 2008, contains Prevailing Wage requirements. All bidders are required to familiarize themselves with these terms and conditions before submitting a bid.

¹ Join Zoom Meeting

<https://newtonma-gov.zoom.us/j/84388551287?pwd=BZHhBcDtgtJrSuoFhYLZxuab1TN25.1>

Meeting ID: 843 8855 1287

Passcode: 560893

One tap mobile

+13052241968,,84388551287#,,,,*560893# US

The start date is the date on which the Notice to Proceed is issued, which is anticipated to be December 2024. Time for completion is prior to August 31, 2025.

All bids are subject to the provisions of M.G.L. c.30, §39M. **Wages are subject** to minimum wage rates determined by the Massachusetts Department of Labor and Industries pursuant to M.G.L. c.149, §26 to 27H. The schedule of wage rates applicable to this contract is included in the bidding documents. In addition, the prevailing wage schedule will be updated annually for all public construction projects lasting longer than one (1) year. You will be required to pay the rates set out in any updated prevailing wage schedule. Increases in prevailing wage schedules will not be the basis for change order requests. The successful bidder will be required to provide a Certificate(s) of Insurance demonstrating current coverage of the type and amounts set forth in the Project Manual. The successful bidder will be required to furnish a **Labor and Materials Payment Bond** in the amount of **50%** of the contract total. Wages are paid to drivers for all “**on-site**” work.

Once you’ve downloaded this bid from the internet website (www.newtonma.gov/bids) I strongly suggest you email (purchasing@newtonma.gov) your company’s name, address, EMAIL, phone, fax AND the INVITATION FOR BID NUMBER (#25-19) and Project Title, so that we may add you to the Bidders List and you will be notified of any/all addendums.

This Invitation For Bid includes two (2) alternates.¹

The City will reject any and all bids in accordance with the above referenced General Laws. In addition, the City reserves the right to waive minor informalities in any or all bids or to reject any or all bids (in whole or in part) if it be in the public interest to do so.

Note that Massachusetts law imposes certain documentation requirements for public contracts, including but not limited to (if applicable), contractor DCAMM certification, bid, performance and payment bonds, and non-collusion and tax certifications. A contract is not effective until it is signed by the City Mayor, and the Mayor will not sign until all documentation requirements have been met. Once an award is made, a contract must be executed promptly so the City can start scheduled work. The City cannot pay for work done without a contract. If a vendor unduly delays submitting all required paperwork, the City will be under no obligation to pay a vendor promptly even after a contract is effective, it could bar the vendor from future bids as not responsible and may require the City to obtain services from another vendor or contractor.

In the event that any person wishes to attend a bid opening, accessible and reasonable accommodations will be provided to persons requiring assistance. If you need a reasonable accommodation, please contact the City of Newton’s ADA Coordinator, Jini Fairley, at least two business days in advance of the bid opening: jfairley@newtonma.gov or (617) 796-1253. For Telecommunications Relay Service, please dial 711.

CITY OF NEWTON



Nicholas Read
Chief Procurement Officer
October 10, 2024

¹ Alternates are options for which the bidders must submit separate prices that the awarding authority may choose to include in a bid package. The awarding authority reserves the right to select or reject the optional work, based on the prices received. Alternates are permitted only if they are ranked numerically in order of priority. When evaluating the bids, the City may select a specific alternate only after all of the higher-ranking alternates have been selected. M.G.L. c. 149, § 44G(B).

**CITY OF NEWTON
DEPARTMENT OF PURCHASING
INSTRUCTIONS TO BIDDERS**

ARTICLE 1 - BIDDER'S REPRESENTATION

- 1.1 Each General Bidder (hereinafter called the "Bidder") by making a bid (hereinafter called "bid") represents that:
1. The Bidder has read and understands the Bidding Documents, Contract Forms, General Conditions, Conditions of the Contract, General Requirements and Project Specification (collectively, referred to as the "Contract Documents") and the bid is made in accordance therewith.
 2. The Bidder has visited the work sites (See "Limits of Work," at p. 88 below.) and is familiar with the local conditions under which the work has to be performed.
- 1.2 Failure to so examine the Contract Documents visit the work sites or become familiar with local conditions will not relieve any Bidder from any obligation under the bid as submitted.

ARTICLE 2 - REQUEST FOR INTERPRETATION

- 2.1 Bidders shall promptly notify the City of any ambiguity, inconsistency, or error which they may discover upon examination of the Contract Documents, the site, and local conditions.
- 2.2 Bidders requiring clarification or interpretation of the Contract Documents shall make a written request to the *Chief Procurement Officer*, at purchasing@newtonma.gov or via facsimile (617) 796-1227. The City will answer such requests if received by **Friday, October 18, 2024**, at 12:00 noon.
- 2.3 Interpretation, correction, or change in the Contract Documents will be made by Addendum which will become part of the Contract Documents. The City will not be held accountable for any oral instruction.
- 2.4 Addenda will be emailed to every individual or firm on record as having taken a set of Contract Documents.
- 2.5 Copies of addenda will be made available for inspection at the location listed in the Invitation for Bids where Contract Documents are on file, in addition to being available online at www.newtonma.gov/bids.
- 2.6 Bidders or proposers contacting ANY CITY EMPLOYEE regarding an Invitation for Bid (IFB) or a Request for Proposal (RFP), outside of the Purchasing Department, once an IFB or RFP has been released may be disqualified from the bidding process.
- 2.7 Bidders downloading information off the internet web site are solely responsible for obtaining any addenda prior to the bid opening. If the bidder makes themselves known to the Purchasing Department, at purchasing@newtonma.gov or via facsimile (617) 796-1227, they shall be placed on the bidder's list. Bidders must provide the Purchasing Department with their company's name, street address, city, state, zip, phone, fax, email address and **INVITATION FOR BID #25-19**.

ARTICLE 3 - MBE PARTICIPATION

- 3.1 Notice is hereby given that the Mayor's Affirmative Action Plan for the City of Newton in effect at the time of this solicitation is applicable to all construction contracts in excess of \$10,000.00.
- 3.2 Notice is hereby given that the City of Newton Minority/Women Business Enterprise Plan and the Supplemental Equal Employment Opportunity Anti-Discrimination and Affirmative Action Program in effect at the time of this solicitation are applicable to all City contracts for goods and services in excess of \$50,000.00.
- 3.3 Copies of the Plans and Program referred to in Sections 3.1 and 3.2 are available at www.newtonma.gov/government/purchasing.

ARTICLE 4 - PREPARATION AND SUBMISSION OF BIDS

- 4.1 Bids shall be submitted on the "Bid Form #25-19," attached

- 4.2 All entries on the Bid Form shall be made by typewriter or in ink.
- 4.3 Where so indicated on the Bid Form, sums shall be expressed in both words and figures. Where there is a discrepancy between the bid sum expressed in words and the bid sum expressed in figures, the words shall control.
- 4.4 Bid Deposits shall be submitted in the amount specified in the Invitation for Bids. They shall be made payable to the City and shall be either in the form of cash, certified check, treasurer's, or cashier's check issued by a responsible bank or trust company, or a bid bond issued by a surety licensed to do business in the Commonwealth of Massachusetts; and shall be conditioned upon the faithful performance by the principal of the agreements contained in the bid. Bidders are reminded that the bid deposit covers the City for damages when a bidder withdraws its bid after the bid submission date. **Bid advised that to the extent permitted by law the City will retain all bid deposits for withdrawn bids.**

Bid deposits of the three (3) lowest responsible and eligible Bidders shall be retained until the execution and delivery of a City/Contractor agreement.

- 4.5 The Bid, including the bid deposit shall be enclosed in a sealed envelope with the following plainly marked on the outside:
- * GENERAL BID FOR: **#25-19**
 - * NAME OF PROJECT: **WASHINGTON STREET PILOT: CHESTNUT ST. TO LOWELL AVE**
 - * BIDDER'S NAME, BUSINESS ADDRESS, AND PHONE NUMBER:

- 4.6 Date and time for receipt of bids is set forth in the Invitation for Bids.
- 4.7 Timely delivery of a bid at the location designated shall be the full responsibility of the Bidder. In the event that Newton City Hall is closed on the date or at the time that bids are due, the date and time for receipt of bids shall be on the next business day following that the Newton City Hall and the Purchasing Department are open.
- 4.8 Bids shall be submitted with one (1) original and one (1) copy.
- 4.9 Massachusetts law requires all employees who work on Massachusetts public works construction sites must have no Less than 10 hours of OSHA-approved safety and health training. See M.G.L. c.30, §39M(c), M.G.L. c.30, §39S(a)(1), M.G.L. c.149, §44E(2) & M.G.L. c.149, §44F(2).

This requirement will apply to any general bid or sub bid submitted.

This law directs the Massachusetts Attorney General to restrain the award of construction contracts to any contractor who is in violation to this requirement and to restrain the performance of these contracts by non-complying contractors. The contractor and all subcontractors on this project must certify on the Bid Form compliance with the applicable requirement. Non-compliance with this law will disqualify the bidder.

4.10 Price Adjustment Clauses

It is the intention of the City to include price adjustments in the award of this Contract. These price adjustments shall be for (1) **Fuel**, (2) **Liquid Asphalt** and (3) **Portland cement** when such commodities have been determined to be integral components of the work.

For those commodities designated to be paid as a 'differential' item then the special provision shall provide for a price adjustment formula for the affected items. This adjustment shall be based on the difference between the **Base Price** and the **Period Price** which shall be evaluated on a **monthly** basis, but price adjustments shall only be made if the monthly cost change exceeds **+/- 5 per cent**. Subsequently each respective price adjustment shall be made as specified under each applicable and separate payment item.

IMPORTANT NOTE: Depending on the prevailing market trends at the time of payment these price adjustments may provide for additional compensation to the Contractor, or they may otherwise result in a repayment to the City. The increase or a decrease in the value of the commodity, during the applicable payment period in which the goods and/or services were rendered, shall be the determinant factor.

The City will refer to the MassDOT price adjustment tables¹ to establish the base price and will be used for the actual period price.

Price Adjustment Clauses – *to apply as follows:*

This Contract contains price adjustments for hot mix asphalt and Portland cement mixtures, diesel fuel, and gasoline. Price adjustments shall be made on a monthly basis when the monthly change from the Base Price is +/- 5 percent. Base prices for this contract shall be the period prices posted on the MassDOT website, <https://www.mass.gov/massdot-contract-price-adjustments> at the time of the bid. For reference the current base prices are as follows: liquid asphalt \$575.00 per ton, Portland cement, \$425.53 per ton, diesel fuel \$2.559 per gallon, and gasoline \$2.385 per gallon.²

No price adjustment will be allowed beyond the completion date of the contract unless there is an approved extension of time by the City.

ARTICLE 5 - ALTERNATES

- 5.1 Each Bidder shall acknowledge Alternates (if any) in Section C on the Bid Form.
- 5.2 In the event an Alternate does not involve a change in the amount of the base bid, the Bidder shall so indicate by writing "No Change", or "N/C" or "0" in the space provided for that Alternate.
- 5.3 Bidders shall enter on the Bid Form a single amount for each Alternate which shall consist of the amount for work performed by the Contractor.
- 5.4 The low Bidder will be determined on the basis of the sum of the base bid and the accepted alternates.

ARTICLE 6 - WITHDRAWAL OF BIDS

- 6.1 Any bid may be withdrawn prior to the time designated for receipt of bids on written or electronic request. Electronic withdrawal of bids must be confirmed over the Bidder's signature by written notice postmarked on or before the date and time set for receipt of bids.
- 6.2 Withdrawn bids may be resubmitted up to the time designated for the receipt of bids.
- 6.3 No bids shall be withdrawn within thirty days, Saturdays, Sundays and legal holidays excluded, after the opening of the bids.

ARTICLE 7 - CONTRACT AWARD

- 7.1 The City is soliciting prices for the items set forth in the Item Sheets at 90-100 below. It is the City's intent to award one (1) contract to the responsible and eligible bidder offering the lowest Base Bid Total on Bid Form #25-19 for the Base Bid and as many Alternates³ as the City shall elect to award. Alternates can only be awarded in the sequence that they appear in the Bid Form. A contract will be awarded within sixty (60) days, Saturdays, Sundays, and legal holidays excluded, after the opening of bids.
- 7.2 The City of Newton reserves the right to waive minor informalities in or to reject any or all Bids if it be in the public interest to do so.

¹ <https://www.mass.gov/massdot-contract-price-adjustments>.

² Base prices effective as of 10/8/24.

³ Alternates are options for which the bidders must submit separate prices that the awarding authority may choose to include in a bid package. The awarding authority reserves the right to select or reject the optional work, based on the prices received. Alternates are permitted only if they are ranked numerically in order of priority. When evaluating the bids, the City may select a specific alternate only after all of the higher-ranking alternates have been selected. M.G.L. c. 149, § 44G(B).

- 7.3 The City reserves the right to reject any bidder who has failed to pay any local taxes, fees, assessments, betterments, or any other municipal charge, unless the bidder has a pending abatement application or has entered into a payment agreement with the collector-treasurer.
- 7.4 As used herein, the term "lowest responsible and eligible Bidder" shall mean the Bidder (1) whose bid is the lowest of those bidders possessing the skill, ability and integrity necessary for the faithful performance of the work; (2) who has met all the requirements of the invitation for bids; (3) who shall certify that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed in the work; (4) who, where the provisions of section eight B of chapter twenty-nine apply, shall have been determined to be qualified thereunder.
- 7.5 Subsequent to the award and within five (5) days, Saturday, Sundays and legal holidays excluded, after the prescribed forms are presented for signature, the successful Bidder shall execute and deliver to the City a Contract in the form included in the Contract Documents in such number of counterparts as the City may require.
- 7.6 In the event that the City receives low bids in identical amount from two or more responsive and responsible Bidders, the City shall select the successful Bidder by a blind selection process chosen by the City such as flipping a coin or drawing names from a hat. The low Bidders, who are under consideration, will be invited to attend and observe the selection process.

ARTICLE 8 - TAXES

- 8.1 The Bidder shall not include in this bid any tax imposed upon the sale or rental of tangible personal property in this Commonwealth, such as any and all building materials, supplies, services and equipment required to complete the work.
- 8.2 The City is exempt from payment of the Massachusetts Sales Tax, and the Bidder shall not include any sales tax on its bid. The City's exemption Number is E-046-001-404.

ARTICLE 9 – PROPRIETARY SPECIFICATIONS

- 9.1 If the City has used a proprietary specification to describe the supply listed in the specification, such specifications are permitted under M.G.L. c. 30, §39M(b), provided that the City state in writing that use of the proprietary specification is in its best interest and that it will accept an "equal" of the item specified. An item is considered equal if (i) it is at least equal in quality, durability, appearance, strength, and design; (ii) will perform the intended function at least equally; and (iii) conforms substantially, even with deviations, to the detailed requirements contained in the specifications. Bidders wishing to provide an equal item should do so with their bids. The City shall have the sole right to determine whether or not said item is equal.
- 9.2 The required determination and justification have been duly prepared, and a copy may be requested in accordance with the Massachusetts Public Records Law, M.G.L. c. 66, §10.

END OF SECTION

CITY OF NEWTON
DEPARTMENT OF PURCHASING
BID FORM #25-19

A. The undersigned proposes to supply and deliver the materials specified below in full accordance with the Contract Documents and Project Manual supplied by the City of Newton entitled:

WASHINGTON STREET PILOT: CHESTNUT ST. TO LOWELL AVE

for the contract price specified below, subject to additions and deduction according to the terms of the specifications.

B. This bid includes addenda number(s) _____, _____, _____, _____.

C. The Contractor shall insert prices for each item in ink, in both words and figures:

(i) Base Bid Total for Washington Street Pilot: Chestnut St. to Lowell Ave:

_____ DOLLARS (\$ _____).
(The figure inserted above shall be the Base Bid Total amount from p. 99.)

(ii) Alternate 1 Bid Price (Five (5) planters and plants.)

_____ DOLLARS (\$ _____).
(The figure inserted above shall be the Alternate 1 Bid amount from p. 99.)

(iii) Alternate 2 Bid Price (Five (5) planters and plants.)

_____ DOLLARS (\$ _____).
(The figure inserted above shall be the Alternate 2 Bid amount from p. 100.)

(iv) PROPOSED TOTAL CONTRACT PRICE

_____ DOLLARS (\$ _____).
(The sum of C(i) + C(ii) + C(iii) above.)

D. The undersigned has completed and submits herewith the following documents:

- Signed Bid Form, 3 pages
- Item Sheets, 10 pages
- Bidder's Qualifications and References Form, 2 pages
- Certificate of Non-Collusion, 1 page
- Certification of Tax Compliance, 1 page
- Certificate of Foreign Corporation (if applicable), 1 page
- Debarment Letter, 1 page
- IRS Form W-9, 1 page
- Business Category Information Form, 1 page
- A five percent (5%) bid deposit

- E. Prompt Payment Discounts. Bidders are encouraged to offer discounts in exchange for an expedited payment. Payments may be issued earlier than the general goal of within 30 days of receipt of the invoice only when in exchange for discounted prices. Discounts will not be considered in determining the lowest responsible bidder.

Prompt Payment Discount _____% _____ Days
Prompt Payment Discount _____% _____ Days
Prompt Payment Discount _____% _____ Days

- F. The undersigned agrees that, if selected as general contractor, s/he will within five days, Saturdays, Sundays and legal holidays excluded, after presentation thereof by the City of Newton, execute a contract in accordance with the terms of this bid **and furnish a labor and materials payment bond** of a surety company qualified to do business under the laws of the commonwealth and satisfactory to the City of Newton in the **sum not less than 50% of the contract price**, the premiums for which are to be paid by the contractor and are included in the contract price.

The undersigned hereby certifies that s/he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the work and that s/he will comply fully with all laws and regulations applicable to awards made subject to section forty-four A of M.G.L. c.30, §39M.

The undersigned certifies that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed in the work; (2) that all employees to be employed at the worksite will have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration (“OSHA”) that is at least 10 hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee; and (3) that all employees to be employed in the work subject to this bid have successfully completed a course in construction safety and health approved by the United States OSHA that is at least 10 hours in duration. The undersigned understands that any employee found on a worksite subject to this section without documentation of successful completion of a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration shall be subject to immediate removal.

The undersigned further certifies under the penalties of perjury that this bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this subsection the word "person" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity. The undersigned further certifies under penalty of perjury that the said undersigned is not presently debarred from doing public construction work in the Commonwealth under the provisions of section twenty-nine F of chapter twenty-nine, or any other applicable debarment provisions of any other chapter of the General Laws or any rule or regulation promulgated thereunder.

The undersigned further certifies under the penalties of perjury that they have familiarized themselves with the changes to the Prevailing Wage Rates, in accordance with Chapter 303 Acts of 2008.

- G. Environmentally preferable products information (which is requested but which will not be considered in awarding a contract):

Description of environmental attributes of Bidder’s goods or services:

Steps taken to (a) identify any positive or negative environmental attributes of products or services and (b) ensure that those attributes are being addressed as part of operations:

Date _____

_____ (Name of General Bidder)

BY: _____

_____ (Printed Name and Title of Signatory)

_____ (Business Address)

_____ (City, State Zip)

_____ / _____ (Telephone) (FAX)

_____ (E-mail address)

NOTE: If the bidder is a corporation, indicate state of incorporation under signature, and affix corporate seal; if a partnership, give full names and residential addresses of all partners; if an individual, give residential address if different from business address; and, if operating as a d/b/a give full legal identity. Attach additional pages as necessary.

END OF SECTION

CITY OF NEWTON

BIDDER'S QUALIFICATIONS AND REFERENCES FORM

All questions must be answered, and the data given must be clear and comprehensive. Please type or print legibly. If necessary, add additional sheet for starred items. This information will be utilized by the City of Newton for purposes of determining bidder responsiveness and responsibility with regard to the requirements and specifications of the Contract.

- 1. FIRM NAME: _____
- 2. WHEN ORGANIZED: _____
- 3. INCORPORATED? YES NO DATE AND STATE OF INCORPORATION: _____
- 4. IS YOUR BUSINESS A **MBE**? YES NO **WBE**? YES NO or **MWBE**? YES NO
- * 5. LIST ALL CONTRACTS CURRENTLY ON HAND, SHOWING CONTRACT AMOUNT AND ANTICIPATED DATE OF COMPLETION:

- * 6. HAVE YOU EVER FAILED TO COMPLETE A CONTRACT AWARDED TO YOU?
 YES NO
IF YES, WHERE AND WHY?

- * 7. HAVE YOU EVER DEFAULTED ON A CONTRACT? YES NO
IF YES, PROVIDE DETAILS.

- * 8. LIST YOUR VEHICLES/EQUIPMENT AVAILABLE FOR THIS CONTRACT:

- * 9. IN THE SPACES FOLLOWING, PROVIDE INFORMATION REGARDING CONTRACTS COMPLETED BY YOUR FIRM SIMILAR IN NATURE TO THE PROJECT BEING BID. A MINIMUM OF FOUR (4) CONTRACTS SHALL BE LISTED. PUBLICLY BID CONTRACTS ARE PREFERRED, BUT NOT MANDATORY.

PROJECT NAME: _____
OWNER: _____
CITY/STATE: _____

DOLLAR AMOUNT: \$ _____ DATE COMPLETED: _____
PUBLICLY BID? YES NO
TYPE OF WORK?: _____
CONTACT PERSON: _____ TELEPHONE #: _____
CONTACT PERSON'S RELATION TO PROJECT?: _____
(i.e., contract manager, purchasing agent, etc.)

PROJECT NAME: _____
OWNER: _____

CITY/STATE: _____
DOLLAR AMOUNT: \$ _____ DATE COMPLETED: _____
PUBLICLY BID? _____ YES _____ NO
TYPE OF WORK?: _____
CONTACT PERSON: _____ TELEPHONE #: (____) _____
CONTACT PERSON'S RELATION TO PROJECT?: _____
(i.e., contract manager, purchasing agent, etc.)

PROJECT NAME: _____
OWNER: _____
CITY/STATE: _____
DOLLAR AMOUNT: \$ _____ DATE COMPLETED: _____
PUBLICLY BID? _____ YES _____ NO
TYPE OF WORK?: _____
CONTACT PERSON: _____ TELEPHONE #: (____) _____
CONTACT PERSON'S RELATION TO PROJECT?: _____
(i.e., contract manager, purchasing agent, etc.)

PROJECT NAME: _____
OWNER: _____
CITY/STATE: _____
DOLLAR AMOUNT: \$ _____ DATE COMPLETED: _____
PUBLICLY BID? _____ YES _____ NO
TYPE OF WORK?: _____
CONTACT PERSON: _____ TELEPHONE #: (____) _____
CONTACT PERSON'S RELATION TO PROJECT?: _____
(i.e., contract manager, purchasing agent, etc.)

10. The undersigned certifies that the information contained herein is complete and accurate and hereby authorizes and requests any person, firm, or corporation to furnish any information requested by the City of Newton in verification of the recitals comprising this statement of Bidder's qualifications and experience.

DATE: _____ BIDDER: _____

SIGNATURE: _____

PRINTED NAME: _____ TITLE: _____

END OF SECTION

CERTIFICATE OF NON-COLLUSION

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee club, or other organization, entity, or group or individuals.

(Signature of individual)

Name of Business

CERTIFICATION OF TAX COMPLIANCE**

Pursuant to M.G.L. c.62C, §49A and requirements of the City, the undersigned acting on behalf of the Contractor certifies under the penalties of perjury that the Contractor is in compliance with all laws of the Commonwealth relating to taxes including payment of all local taxes, fees, assessments, betterments and any other local or municipal charges (unless the Contractor has a pending abatement application or has entered into a payment agreement with the entity to which such charges were owed), reporting of employees and contractors, and withholding and remitting child support.*

Signature of Individual (Mandatory)

*** Contractor's Social Security Number
or Federal Identification Number

Print Name:_____

Date:_____

Corporate Name

By: _____
Corporate Officer
(Mandatory, if applicable)

Date: _____

Print Officer Name:_____

- * The provision in this Certification relating to child support applies only when the Contractor is an individual.
- ** Approval of a contract or other agreement will not be granted until the City receives a signed copy of this Certification.
- *** Your social security number may be furnished to the Massachusetts Department of Revenue to determine whether you have met tax filing or tax payment obligations. Providers who fail to correct their non-filing or delinquency will not have a contract or other agreement issued, renewed, or extended.

CERTIFICATE OF FOREIGN CORPORATION

The undersigned hereby certifies that it has been duly established, organized, or chartered as a corporation under the laws of:

(Jurisdiction)

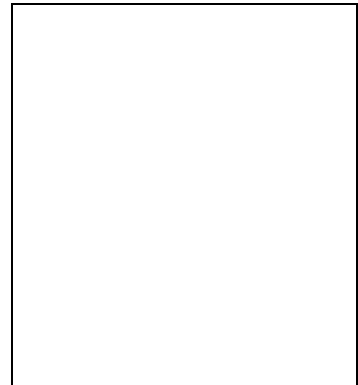
The undersigned further certifies that it has complied with the requirements of M.G.L. c. 30, §39L (if applicable) and with the requirements of M.G.L. c. 156D, §15.03 relative to the registration and operation of foreign corporations within the Commonwealth of Massachusetts.

Name of person signing proposal

Signature of person signing proposal

Name of Business (Please Print or Type)

Affix Corporate Seal here



City of Newton



Purchasing Department
Nicholas Read *Chief Procurement Officer*
1000 Commonwealth Avenue
Newton Centre, MA 02459-1449
purchasing@newtonma.gov

Telephone
(617) 796-1220
Fax:
(617) 796-1227
TDD/TTY
(617) 796-1089

Mayor
Ruthanne Fuller

Date

Vendor

Re: Debarment Letter for Invitation For Bid #25-19

As a potential vendor on the above contract, the City requires that you provide a debarment/suspension certification indicating that you are in compliance with the below Federal Executive Order. Certification can be done by completing and signing this form.

Debarment:

Federal Executive Order (E.O.) 12549 “Debarment and Suspension“ requires that all contractors receiving individual awards, using federal funds, and all sub-recipients certify that the organization and its principals are not debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any Federal department or agency from doing business with the Federal Government.

I hereby certify under pains and penalties of perjury that neither I nor any principal(s) of the Company identified below is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.

PHONE _____ FAX _____
EMAIL _____

Signature

Date

If you have questions, please contact Nicholas Read, Chief Procurement Officer at (617) 796-1220.

Request for Taxpayer Identification Number and Certification

**Give form to the
requester. Do not
send to the IRS.**

Print or type See Specific Instructions on page 2.	Name (as shown on your income tax return)	
	Business name, if different from above	
	Check appropriate box: <input type="checkbox"/> Individual/Sole proprietor <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Limited liability company. Enter the tax classification (D=disregarded entity, C=corporation, P=partnership) ▶ <input checked="" type="checkbox"/> Exempt payee <input type="checkbox"/> Other (see instructions) ▶	
	Address (number, street, and apt. or suite no.)	Requester's name and address (optional)
	City, state, and ZIP code	
	List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number
or
Employer identification number

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here	Signature of U.S. person ▶	Date ▶	Name
------------------	----------------------------	--------	------

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,

Business Category Information Form*

IFB No. 25-19

WASHINGTON STREET PILOT: CHESTNUT ST TO LOWELL AVE

Business Type Categories*	Select All That Apply
MBE: Minority-Owned Business Enterprise	
WBE: Women-Owned Business Enterprise	
VBE: Veteran Business Enterprise	
SDVOBE: Service-Disabled Veteran-Owned Business Enterprises	
DOBE: Disability-Owned Business Enterprise	
LGBTBE: Lesbian, Gay, Bisexual, Transgender Business Enterprise	

*Information is being collected as part of a City initiative to open contract opportunities to underrepresented vendors.

I do not wish to complete this form.

There is no penalty for persons who do not complete this Form, and whether or not the Form is completed will not be taken into consideration in awarding a bid.

I certify that the foregoing information is true and correct.

Company Name: _____

By: _____

Date: _____

CONTRACT FORMS

The awarded bidder will be required to complete and submit documents substantially similar in form to the following.

These forms may need to be modified on account of changed circumstances and are provided for informational purposes only.

CITY - CONTRACTOR AGREEMENT
CONTRACT NO. C - _____

THIS AGREEMENT made this ___ day of _____ in the year Two Thousand Twenty-Four by and between the CITY OF NEWTON, a municipal corporation organized and existing under the laws of the Commonwealth of Massachusetts, hereinafter referred to as the CITY, acting through its Chief Procurement Officer, but without personal liability to him, and hereinafter referred to as the CONTRACTOR.

The parties hereto for the considerations hereinafter set forth agree as follows:

ARTICLE 1. STATEMENT OF WORK. The Contractor shall furnish all labor, materials, and equipment and perform all work required in strict accordance with the Contract Documents for the following project:

WASHINGTON STREET PILOT: CHESTNUT ST. TO LOWELL AVE

ARTICLE 2. TIME OF COMPLETION. The Contractor shall commence work under this Contract on the date specified in the written notice of the City to proceed and shall fully complete all work hereunder within the time specified in the Summary of Work and Specific Work Requirements of the Project Manual. Time is of the essence with regard to this contract. Failure to complete within the time specified shall be subject to the assessment of liquidated damages in accordance with the provisions contained in the Project Manual. **The start date is the date on which the Notice to Proceed is issued, which is anticipated to be December 2024. Time for completion is prior to August 31, 2025.**

ARTICLE 3. THE CONTRACT PRICE. The City shall pay the Contractor for the full and satisfactory performance of the Contract, in current funds a sum not to exceed:

\$

ARTICLE 4. CONTRACT DOCUMENTS. The Contract Documents consist of the following documents which are either attached to this Agreement or are incorporated herein by reference:

- a. This CITY-CONTRACTOR Agreement;
- b. The City's Invitation For Bid #25-19 issued by the Purchasing Department;
- c. The Project Manual for: **WASHINGTON STREET PILOT: CHESTNUT ST TO LOWELL AVE**
- d. Including the Instructions to Bidders; General Conditions; Special Conditions; MWBE/AA Requirements, Wage Rate Requirements and Wage Rate Schedule(s) including any updated prevailing wage rate schedules if applicable; The Supplementary Special Conditions; General Requirements and Project Specifications; and Drawings, if included or referenced therein;
- e. Addenda Number(s) _____;
- f. The Bid Response of the CONTRACTOR submitted for this Project and accompanying documents and certifications;
- g. Certificate(s) of Insurance and surety bond(s) submitted by the CONTRACTOR in connection with this Project;
- h. Duly authorized and executed Amendments, Change Orders or Shipping Orders issued by the CITY after execution of this CITY-CONTRACTOR Agreement.

This CITY-CONTRACTOR Agreement, together with the other documents enumerated in this Article, constitute the entire Agreement between the CITY and the CONTRACTOR.

ARTICLE 5. ALTERNATES. The following Alternates have been accepted and their costs are included in the Contract Price stated in Article 3 of this Agreement:

Alternates: _____

ARTICLE 6. APPLICABLE STATUTES. All applicable federal, state and local laws and regulations are incorporated herein by reference and the Contractor agrees to comply with same.

ARTICLE 7. INSURANCE REQUIREMENTS. The Vendor shall provide insurance coverage as listed below. This insurance shall be provided at the Vendor's expense and shall be in full force and effect during the full term of this Contract.

WORKER'S COMPENSATION

Worker's Compensation: Per M.G.L. c.149, §34 and c. 152 as amended.

COMMERCIAL GENERAL LIABILITY

Personal Injury	\$500,000 each occurrence \$1,000,000 aggregate
Property Damage	\$500,000 each occurrence \$1,000,000 aggregate

VEHICLE LIABILITY

Personal Injury	\$500,000 each person \$1,000,000 aggregate
Property Damage	\$300,000 each occurrence \$500,000 aggregate

The City shall be named as additional insureds on the Vendor's Liability Policies.

ARTICLE 8. COMPLIANCE WITH CITY ORDINANCES

- A. The Contractor shall comply with and give notices required by laws, ordinances rules, regulations, and lawful orders of the City bearing on performance hereunder.
- B. If the Contractor performs work that it knows or reasonably should know is contrary to City laws, statutes, ordinances, building codes, and rules and regulations without giving prior notice to the City, it shall assume full responsibility for such work and shall be responsible for all costs attributable thereto.
- C. Seasonal use of leaf blowers or related equipment must comply with the City's Noise Ordinance, which provides that gas blowers are only permissible from Labor Day to Memorial Day and must not exceed 65 decibels, and that from Memorial Day to Labor Day only battery powered blowers will be allowed.
- D. This section shall be superseded to extent of any specific Ordinance requirements set forth in the IFB scope of services, conditions or specifications.

THIS SPACE INTENTIONALLY LEFT BLANK

IN WITNESS WHEREOF, the parties have caused this instrument to be executed under seal the day and year first above written.

CONTRACTOR

CITY OF NEWTON

By _____

By _____

Chief Procurement Officer

Print Name _____

Date _____

Title _____

By _____

Commissioner of Public Works

Date _____

Date _____

Affix Corporate Seal Here

Certified that City funds are available in the following accounts:

AR114-AR11408-2223CV21-530203

Approved as to Legal Form and Character

By _____

Associate City Solicitor

I further certify that the Mayor, or her designee, is authorized to execute contracts and approve change orders.

Date _____

By _____

Comptroller of Accounts

CONTRACT & BONDS ARE APPROVED

Date _____

By _____

Mayor or her designee

Date _____

CERTIFICATE OF AUTHORITY – CORPORATE

- 1 I hereby certify that I am the Clerk/Secretary of _____
(insert full name of Corporation)
- 2 corporation, and that _____
(insert the name of officer who signed the **contract and bonds.**)
- 3 is the duly elected _____
(insert the title of the officer in line 2)
- 4 of said corporation, and that on _____
(insert a date that is **ON OR BEFORE** the date the
officer signed the **contract and bonds.**)

at a duly authorized meeting of the Board of Directors of said corporation, at which all the directors were present or waived notice, it was voted that

5. _____ the _____
(insert **name** from line 2) (insert **title** from line 3)

of this corporation be and hereby is authorized to execute contracts and bonds in the name and on behalf of said corporation, and affix its Corporate Seal thereto, and such execution of any contract of obligation in this corporation's name and on its behalf, with or without the Corporate Seal, shall be valid and binding upon this corporation; and that the above vote has not been amended or rescinded and remains in full force and effect as of the date set forth below.

6. ATTEST: _____ *AFFIX CORPORATE*
(Signature of **Clerk or Secretary**)* *SEAL HERE*
7. Name: _____
(Please print or type name in line 6)*
8. Date: _____
(insert a date that is **ON OR AFTER** the date the
officer signed the **contract and bonds.**)

* The name and signature inserted in lines 6 & 7 **must** be that of the **Clerk or Secretary** of the corporation.

CITY OF NEWTON, MASSACHUSETTS

PAYMENT BOND

Know All Men By These Presents:

That we, _____, as PRINCIPAL, and _____, as SURETY, are held and firmly bound unto the City of Newton as Obligee, in the sum of _____ dollars (\$_____) to be paid to the Obligee, for which payments well and truly to be made, we bind ourselves, our respective heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

Whereas, the said PRINCIPAL has made a contract with the Obligee, bearing the date of _____, 2024 for the construction of _____ in Newton, Massachusetts.
(Project Title)

Now, the conditions of this obligation are such that if the PRINCIPAL and all Sub-contractors under said contract shall pay for all labor performed or furnished and for all materials used or employed in said contract and in any and all duly authorized modifications, alterations, extensions of time, changes or additions to said contract that may hereafter be made, notice to the SURETY of such modifications, alterations, extensions of time, changes or additions being hereby waived, the foregoing to include any other purposes or items set out in, and to be subject to, provisions of M.G.L. c. 30, sec. 39A, and M.G.L. c. 149 sec. 29, as amended, then this obligation shall become null and void; otherwise it shall remain in full force, virtue and effect.

In Witness Whereof, the PRINCIPAL and SURETY have hereto set their hands and seals this ___ day of _____ 2024.

PRINCIPAL

SURETY

BY _____

BY _____

(SEAL)

(ATTORNEY-IN-FACT) (SEAL)

(Title)

ATTEST: _____

ATTEST: _____

**CITY OF NEWTON, MASSACHUSETTS
PURCHASING DEPARTMENT
GENERAL TERMS AND CONDITIONS**

1. The right is reserved to reject any and all bids, to waive informalities, and to make award as may be determined to be in the best interest of the City of Newton.
2. Prices quoted must include delivery to the City, as specified on the Work Order.
3. No charges will be allowed for packing, crating, freight, Express or cartage unless specifically stated and included in the bid.
4. The award to the successful bidder may be canceled if successful bidder shall fail to prosecute the work with promptness and diligence.
5. Time in connection with discount offered will be computed from the date of delivery to the City, as specified on Work order, or from date correct invoice is received by the City, if the latter date is later than the date of delivery.
6. The successful bidder shall replace, repair or make good, without cost to the City, any defects or faults arising within one (1) year after date of acceptance of articles furnished hereunder (acceptance not to be unreasonably delayed) resulting from imperfect or defective work done or materials furnished by the Seller.
7. The Seller shall indemnify and save harmless the City and all persons acting for on behalf of it from all suits and claims against them, or any of them, arising from or occasioned by the use of any material, equipment or apparatus, or any part thereof, which infringes or is alleged to infringe on any patent rights. In case such material, equipment or apparatus, or any part thereof, in any such suit is held to constitute infringement, the Seller, within a reasonable time, will at its expense, and as the City may elect, replace such material, equipment or apparatus with non-infringing material, equipment or apparatus, or remove the material, equipment or apparatus, and refund the sums paid therefor.
8. The successful bidder shall comply with all applicable Federal State and Local laws and regulations.
9. Purchases made by the City are exempt from Federal excise taxes and bid prices must exclude any such taxes. Tax exemption certificates will be furnished upon request.
10. If so stated in the Invitation for Bid the successful bidder will be required to furnish a performance and/or a labor and material payment bond, in an amount, in a form and with a surety satisfactory to the City. The bidder shall be responsible for the cost of the bond(s).
11. If the Invitation for Bids requires bid surety, this surety shall be in the form of a cash, bid bond, cashier's check, treasurer's check, or certified check on a responsible bank, payable to the City of Newton, and must be filed with the original bid in the Office of the Purchasing Agent. Failure to do so will lead to rejection of bid. The bid surety will be returned to the successful bidder within seven (7) days execution of awarded, and approval by the City of performance and/or payment bond(s). In case of default, the bid surety shall be forfeited to the City.
12. Verbal orders are not binding on the City and deliveries made or work done without formal Work Order or Contract are at the risk of the Seller or Contractor and may result in an unenforceable claim.
13. The Seller shall agree to indemnify, defend and hold the City harmless from any and all claims arising out of the performance of this contract.
14. "Equality - An item equal to that named or described in the specifications of the contract may be furnished by the Vendor and the naming of any commercial name, trademark or other identification shall not be construed to exclude any item or manufacturer not mentioned by name or as limiting competition but shall establish a standard of equality only. An item shall be considered equal to the item so named or described if (1) it is at least equal in quality, durability, appearance, strength and design; (2) it will perform at least equally the function imposed by the general design for the work being contracted for or the material being purchased; and (3) it conforms substantially, even with deviations, to the detailed requirements for the item in the specifications. The name and identification of all materials other than the one specifically named shall be submitted to the City in writing for approval, prior to purchase, use or fabrication of such items. Subject to the provisions of M.G.L., Ch. 30, Sec. 39J, approval shall be at the sole discretion of the City, shall be in writing to be effective, and the decision of the City shall be final. The City may require tests of all materials so submitted to establish quality standards at the Vendor's expense.

All directions, specifications and recommendations by manufacturers for installation, handling, storing, adjustment and operation of their equipment shall be complied with; responsibility for proper performance shall continue to rest with the Vendor.

For the use of material other than the one specified, the Vendor shall assume the cost of and responsibility for satisfactorily accomplishing all changes in the work as shown. If no manufacturer is named, the Vendor shall submit the product he intends to use for approval of the City.

Except as otherwise provided for by the provisions of M.G.L., Ch. 30, Sec. 39J, the Vendor shall not have any right of appeal from the decision of the City condemning any materials furnished if the Vendor fails to obtain the approval for substitution under this clause. If any substitution is more costly, the Vendor shall pay for such costs."

- 15. Notice is hereby given that the City of Newton Minority/Women Business Enterprise Plan dated December 1999 is applicable to all City of Newton contracts for materials and supplies. A copy of this plan may be obtained from the Purchasing Department.
- 16. Right To Know: Any vendor who receives an order or orders resulting from this invitation agrees to submit a Material Safety Data Sheet (MSDS) for each toxic or hazardous substance or mixture containing such substance, pursuant to M.G.L., Ch. 111F, SS8, 9 and 10 and the regulations contained in 441 CMR SS 21.06 when deliveries are made. The vendor agrees to deliver all containers properly labeled pursuant to M.G.L. Ch. 111F, SS 7 and the regulations contained in 441 CMR SS 21.05. Failure to submit an MSDS and/or label on each container will place the vendor in noncompliance with the work order. Failure to furnish MSDSs and/or labels on each container may result in civil or criminal penalties, including bid debarment and action to prevent the vendor from selling said substances or mixtures containing said substances within the Commonwealth. All vendors furnishing substances or mixtures subject to Chapter 111F of the M.G.L. are cautioned to obtain and read the law and rules and regulations referred to above. Copies can be obtained from the State House Book Store, Secretary of State, State House, Room 117, Boston, MA 02133, (617-727-2834) for \$2.00 plus \$.65 postage.

17. CITY INSURANCE REQUIREMENTS

The Contractor shall provide insurance coverage as listed below. This insurance shall be provided at the Contractor's expense and shall be in full force and effect during the full term of this Contract.

WORKER'S COMPENSATION

Worker's Compensation: Per M.G.L. c. 149, §34 and c. 152 as amended.

COMMERCIAL GENERAL LIABILITY

Personal Injury	\$500,000 each occurrence \$1,000,000 aggregate
Property Damage	\$500,000 each occurrence \$1,000,000 aggregate

VEHICLE LIABILITY

Personal Injury	\$500,000 each person \$1,000,000 aggregate
Property Damage	\$300,000 each occurrence \$500,000 aggregate

The City shall be named as additional insureds on the Contractor's Liability Policies.

The Contractor shall not commence the work until proof of compliance with this has been furnished to the City by submitting one copy of a properly endorsed insurance certificate issued by a company authorized to write insurance in the Commonwealth. This certificate shall indicate that the contractual liability coverage is in force.

The Contractor shall file the original and one certified copy of all policies with the City within ten (10) days after contract award. If the City is damaged by the Contractor's failure to maintain such insurance and to so notify the City, then the Contractor shall be responsible for all reasonable costs attributable thereto.

Cancellation of any insurance required by this contract, whether by the insurer or the insured, shall not be valid unless written notice thereof is given by the party proposing cancellation to the other party and City at least thirty days prior to the effective date thereof, which shall be expressed in said notice.

FAILURE TO COMPLY WITH THESE TERMS AND CONDITIONS COULD RESULT IN THE CANCELLATION OF YOUR CONTRACT.

CITY OF NEWTON

WAGE RATE REQUIREMENTS

1. GENERAL

- A. This section summarizes the requirements for the payment of wages to laborers and mechanics employed under the Contract.
- B. Other duties and requirements of law which may not be specified in this section apply and are inherently a part of the Contract.

2. WAGE RATES

- A. The rate per hour to be paid to mechanics, apprentices, teamsters, chauffeurs, and laborers employed on the Work shall not be less than the rate of wages in the attached "Minimum Wage Rates" as determined by the Commissioner of Labor and Industries. This schedule shall continue to be the minimum rate of wages for said employees during the life of this Contract.
- B. Keep posted on the site a legible copy of said schedule. Keep on file the wage rates and classifications of labor employed on this Work in order that they may be available for inspection by the Owner, Administrator, or the Architect.
- C. Apprentices employed pursuant to this determination of wage rates must be registered and approved by the State Apprenticeship Council wherever rates for journeymen or apprentices are not listed.
- D. Pay reserve police officers employed on the Work the prevailing rate of wages paid to regular police officers as required by M.G.L. c149, Sec. 34B, as amended. Such police officers shall be covered by Workmen's Compensation Insurance and Employers Liability Insurance by the Contractor.
- E. **The Contractor and all subcontractors shall, on a weekly basis throughout the term of the contract, provide to the City of Newton certified payroll affidavits verifying compliance with M.G.L. c.149, Sec. 27, 27A and 27B.** The Contractor is obligated to provide such records to the City directly on a weekly basis. The City may assess a penalty of \$100 for each day beyond the required submission date that such records are received, which amount shall be deducted from any amounts to the Contractor from the City. In the event of chronic late submissions, the City shall report the same to the Office of the Attorney General.
- F. The Contractor and all subcontractors shall provide a Statement of Compliance within 15 days of the completion of its portion of the work. This statement shall be submitted to the Owner on the form found elsewhere in this section.
- G. The Contractor shall maintain accurate and complete records, including payroll records, during the Contract term and for three years thereafter.

END OF SECTION



MAURA HEALEY
Governor

KIM DRISCOLL
Lt. Governor

THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DEPARTMENT OF LABOR STANDARDS

Prevailing Wage Rates

As determined by the Director under the provisions of the
Massachusetts General Laws, Chapter 149, Sections 26 to 27H

LAUREN JONES
Secretary

MICHAEL FLANAGAN
Director

Awarding Authority: City of Newton
Contract Number: IFB #25-19 **City/Town:** NEWTON
Description of Work: Washington St Pilot: Chestnut St to Lowell Ave
Job Location: Chestnut St

Information about Prevailing Wage Schedules for Awarding Authorities and Contractors

- The wage rates will remain in effect for the duration of the project, except in the case of multi-year public construction projects. For construction projects lasting longer than one year, awarding authorities must request an updated wage schedule no later than two weeks before the anniversary of the date the contract was executed by the awarding authority and the general contractor. For multi-year CM AT RISK projects, the awarding authority must request an annual update no later than two weeks before the anniversary date, determined as the earlier of: (a) the execution date of the GMP Amendment, or (b) the execution date of the first amendment to permit procurement of construction services. The updated wage schedule must be provided to all contractors, including general and sub-contractors, working on the construction project.
- This annual update requirement is generally not applicable to 27F "rental of equipment" contracts. For such contracts, the prevailing wage rates issued by DLS shall remain in effect for the duration of the contract term. However, if the prevailing wage rate sheet issued does not contain wage rates for each year covered by the contract term, the Awarding Authority must request updated rate sheets from DLS and provide them to the contractor to ensure the correct rates are being paid throughout the duration of the contract. Additionally, if an Awarding Authority exercises an option to renew or extend the contract term, they must request updated rate sheets from DLS and provide them to the contractor.
- This wage schedule applies only to the specific project referenced at the top of this page and uniquely identified by the "Wage Request Number" on all pages of this schedule.
- An Awarding Authority must request an updated wage schedule if it has not opened bids or selected a contractor within 90 days of the date of issuance of the wage schedule. For CM AT RISK projects (bid pursuant to G.L.c.149A), the earlier of: (a) the execution date of the GMP Amendment, or (b) the bid for the first construction scope of work must be within 90-days of the wage schedule issuance date.
- The wage schedule shall be incorporated in any advertisement or call for bids for the project as required by M.G.L.c. 149, § 27. The wage schedule shall be made a part of the contract awarded for the project. The wage schedule must be posted in a conspicuous place at the work site for the life of the project in accordance with M.G.L.c. 149 § 27. The wages listed on the wage schedule must be paid to employees performing construction work on the project whether they are employed by the prime contractor, a filed sub-bidder, or a sub-contractor.
- Apprentices working on the project are required to be registered with the Massachusetts Division of Apprentice Standards (DAS). Apprentices must keep their apprentice identification card on their persons during all work hours on the project. An apprentice registered with DAS may be paid the lower apprentice wage rate at the applicable step as provided on the prevailing wage schedule. Any apprentice not registered with DAS regardless of whether they are registered with another federal, state, local, or private agency must be paid the journeyworker's rate.
- Every contractor or subcontractor working on the construction project must submit weekly payroll reports and a Statement of Compliance directly to the awarding authority by mail or email and keep them on file for three years. Each weekly payroll report must contain: the employee's name, address, occupational classification, hours worked, and wages paid. Do not submit weekly payroll reports to DLS. For a sample payroll reporting form go to <http://www.mass.gov/dols/pw>.
- Contractors with questions about the wage rates or classifications included on the wage schedule have an affirmative obligation to inquire with DLS at (617) 626-6953.
- Contractors must obtain the wage schedules from awarding authorities. Failure of a contractor or subcontractor to pay the prevailing wage rates listed on the wage schedule to all employees who perform construction work on the project is a violation of the law and subjects the contractor or subcontractor to civil and criminal penalties.
- Employees not receiving the prevailing wage rate set forth on the wage schedule may file a complaint with the Fair Labor Division of the office of the Attorney General at (617) 727-3465.

Issue Date: 10/04/2024

Wage Request Number: 20241003-054

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
Construction						
(2 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i>	08/01/2024	\$41.05	\$14.91	\$18.67	\$0.00	\$74.63
	12/01/2024	\$41.05	\$14.91	\$20.17	\$0.00	\$76.13
	06/01/2025	\$42.05	\$14.91	\$20.17	\$0.00	\$77.13
	08/01/2025	\$42.05	\$15.41	\$20.17	\$0.00	\$77.63
	12/01/2025	\$42.05	\$15.41	\$21.78	\$0.00	\$79.24
	06/01/2026	\$43.05	\$15.41	\$21.78	\$0.00	\$80.24
	08/01/2026	\$43.05	\$15.91	\$21.78	\$0.00	\$80.74
	12/01/2026	\$43.05	\$15.91	\$23.52	\$0.00	\$82.48
(3 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i>	08/01/2024	\$40.88	\$14.91	\$18.67	\$0.00	\$74.46
	12/01/2024	\$40.88	\$14.91	\$20.17	\$0.00	\$75.96
	06/01/2025	\$41.12	\$14.91	\$20.17	\$0.00	\$76.20
	08/01/2025	\$41.12	\$15.41	\$20.17	\$0.00	\$76.70
	12/01/2025	\$41.12	\$15.41	\$21.78	\$0.00	\$78.31
	06/01/2026	\$43.12	\$15.41	\$21.78	\$0.00	\$80.31
	08/01/2026	\$43.12	\$15.91	\$21.78	\$0.00	\$80.81
	12/01/2026	\$43.12	\$15.91	\$23.52	\$0.00	\$82.55
(4 & 5 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i>	08/01/2024	\$41.24	\$14.91	\$18.67	\$0.00	\$74.82
	12/01/2024	\$41.24	\$14.91	\$20.17	\$0.00	\$76.32
	06/01/2025	\$42.24	\$14.91	\$20.17	\$0.00	\$77.32
	08/01/2025	\$42.24	\$15.41	\$20.17	\$0.00	\$77.82
	12/01/2025	\$42.24	\$15.41	\$21.78	\$0.00	\$79.43
	06/01/2026	\$43.24	\$15.41	\$21.78	\$0.00	\$80.43
	08/01/2026	\$43.24	\$15.91	\$21.78	\$0.00	\$80.93
	12/01/2026	\$43.24	\$15.91	\$23.52	\$0.00	\$82.67
ADS/SUBMERSIBLE PILOT <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2020	\$103.05	\$9.40	\$23.12	\$0.00	\$135.57
For apprentice rates see "Apprentice- PILE DRIVER"						
AIR TRACK OPERATOR <i>LABORERS - ZONE 1</i>	06/01/2024	\$46.13	\$9.65	\$18.40	\$0.00	\$74.18
	12/01/2024	\$47.60	\$9.65	\$18.40	\$0.00	\$75.65
	06/01/2025	\$49.10	\$9.65	\$18.40	\$0.00	\$77.15
	12/01/2025	\$50.60	\$9.65	\$18.40	\$0.00	\$78.65
	06/01/2026	\$51.40	\$9.65	\$18.40	\$0.00	\$79.45
	12/01/2026	\$53.65	\$9.65	\$18.40	\$0.00	\$81.70
	06/01/2027	\$55.25	\$9.65	\$18.40	\$0.00	\$83.30
	12/01/2027	\$56.85	\$9.65	\$18.40	\$0.00	\$84.90
	06/01/2028	\$58.53	\$9.65	\$18.40	\$0.00	\$86.58
	12/01/2028	\$60.20	\$9.65	\$18.40	\$0.00	\$88.25
For apprentice rates see "Apprentice- LABORER"						
AIR TRACK OPERATOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 1 (HEAVY & HIGHWAY)</i>	06/01/2024	\$46.23	\$9.65	\$18.40	\$0.00	\$74.28
	12/01/2024	\$47.70	\$9.65	\$18.40	\$0.00	\$75.75
	06/01/2025	\$49.20	\$9.65	\$18.40	\$0.00	\$77.25
	12/01/2025	\$50.70	\$9.65	\$18.40	\$0.00	\$78.75
	06/01/2026	\$52.25	\$9.65	\$18.40	\$0.00	\$80.30
	12/01/2026	\$53.75	\$9.65	\$18.40	\$0.00	\$81.80
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						

Issue Date: 10/04/2024

Wage Request Number: 20241003-054

Page 2 of 44

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
ASBESTOS REMOVER - PIPE / MECH. EQUIPT. <i>HEAT & FROST INSULATORS LOCAL 6 (BOSTON)</i>	06/01/2024	\$41.80	\$14.50	\$11.05	\$0.00	\$67.35
	12/01/2024	\$42.80	\$14.50	\$11.05	\$0.00	\$68.35
	06/01/2025	\$43.80	\$14.50	\$11.05	\$0.00	\$69.35
	12/01/2025	\$44.80	\$14.50	\$11.05	\$0.00	\$70.35
ASPHALT RAKER <i>LABORERS - ZONE 1</i>	06/01/2024	\$45.63	\$9.65	\$18.40	\$0.00	\$73.68
	12/01/2024	\$47.10	\$9.65	\$18.40	\$0.00	\$75.15
	06/01/2025	\$48.60	\$9.65	\$18.40	\$0.00	\$76.65
	12/01/2025	\$50.10	\$9.65	\$18.40	\$0.00	\$78.15
	06/01/2026	\$51.65	\$9.65	\$18.40	\$0.00	\$79.70
	12/01/2026	\$53.15	\$9.65	\$18.40	\$0.00	\$81.20
	06/01/2027	\$54.75	\$9.65	\$18.40	\$0.00	\$82.80
	12/01/2027	\$56.35	\$9.65	\$18.40	\$0.00	\$84.40
	06/01/2028	\$58.03	\$9.65	\$18.40	\$0.00	\$86.08
	12/01/2028	\$59.70	\$9.65	\$18.40	\$0.00	\$87.75
For apprentice rates see "Apprentice- LABORER"						
ASPHALT RAKER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 1 (HEAVY & HIGHWAY)</i>	06/01/2024	\$45.73	\$9.65	\$18.40	\$0.00	\$73.78
	12/01/2024	\$47.20	\$9.65	\$18.40	\$0.00	\$75.25
	06/01/2025	\$48.70	\$9.65	\$18.40	\$0.00	\$76.75
	12/01/2025	\$50.20	\$9.65	\$18.40	\$0.00	\$78.25
	06/01/2026	\$51.75	\$9.65	\$18.40	\$0.00	\$79.80
	12/01/2026	\$53.25	\$9.65	\$18.40	\$0.00	\$81.30
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2024	\$56.03	\$15.30	\$16.40	\$0.00	\$87.73
	12/01/2024	\$57.48	\$15.30	\$16.40	\$0.00	\$89.18
	06/01/2025	\$58.78	\$15.30	\$16.40	\$0.00	\$90.48
	12/01/2025	\$60.23	\$15.30	\$16.40	\$0.00	\$91.93
	06/01/2026	\$61.53	\$15.30	\$16.40	\$0.00	\$93.23
	12/01/2026	\$62.98	\$15.30	\$16.40	\$0.00	\$94.68
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BACKHOE/FRONT-END LOADER <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2024	\$56.03	\$15.30	\$16.40	\$0.00	\$87.73
	12/01/2024	\$57.48	\$15.30	\$16.40	\$0.00	\$89.18
	06/01/2025	\$58.78	\$15.30	\$16.40	\$0.00	\$90.48
	12/01/2025	\$60.23	\$15.30	\$16.40	\$0.00	\$91.93
	06/01/2026	\$61.53	\$15.30	\$16.40	\$0.00	\$93.23
	12/01/2026	\$62.98	\$15.30	\$16.40	\$0.00	\$94.68
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BARCO-TYPE JUMPING TAMPER <i>LABORERS - ZONE 1</i>	06/01/2024	\$45.63	\$9.65	\$18.40	\$0.00	\$73.68
	12/01/2024	\$47.10	\$9.65	\$18.40	\$0.00	\$75.15
	06/01/2025	\$48.60	\$9.65	\$18.40	\$0.00	\$76.65
	12/01/2025	\$50.10	\$9.65	\$18.40	\$0.00	\$78.15
	06/01/2026	\$51.65	\$9.65	\$18.40	\$0.00	\$79.70
	12/01/2026	\$53.15	\$9.65	\$18.40	\$0.00	\$81.20
	06/01/2027	\$54.75	\$9.65	\$18.40	\$0.00	\$82.80
	12/01/2027	\$56.35	\$9.65	\$18.40	\$0.00	\$84.40
	06/01/2028	\$58.03	\$9.65	\$18.40	\$0.00	\$86.08
	12/01/2028	\$59.70	\$9.65	\$18.40	\$0.00	\$87.75

Issue Date: 10/04/2024

Wage Request Number: 20241003-054

Page 3 of 44

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- LABORER"						
BLOCK PAVER, RAMMER / CURB SETTER <i>LABORERS - ZONE 1</i>	06/01/2024	\$46.13	\$9.65	\$18.40	\$0.00	\$74.18
	12/01/2024	\$47.60	\$9.65	\$18.40	\$0.00	\$75.65
	06/01/2025	\$49.10	\$9.65	\$18.40	\$0.00	\$77.15
	12/01/2025	\$50.60	\$9.65	\$18.40	\$0.00	\$78.65
	06/01/2026	\$51.40	\$9.65	\$18.40	\$0.00	\$79.45
	12/01/2026	\$53.65	\$9.65	\$18.40	\$0.00	\$81.70
	06/01/2027	\$55.25	\$9.65	\$18.40	\$0.00	\$83.30
	12/01/2027	\$56.85	\$9.65	\$18.40	\$0.00	\$84.90
	06/01/2028	\$58.53	\$9.65	\$18.40	\$0.00	\$86.58
	12/01/2028	\$60.20	\$9.65	\$18.40	\$0.00	\$88.25
For apprentice rates see "Apprentice- LABORER"						
BLOCK PAVER, RAMMER / CURB SETTER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 1 (HEAVY & HIGHWAY)</i>	06/01/2024	\$46.23	\$9.65	\$18.40	\$0.00	\$74.28
	12/01/2024	\$47.70	\$9.65	\$18.40	\$0.00	\$75.75
	06/01/2025	\$49.20	\$9.65	\$18.40	\$0.00	\$77.25
	12/01/2025	\$50.70	\$9.65	\$18.40	\$0.00	\$78.75
	06/01/2026	\$52.25	\$9.65	\$18.40	\$0.00	\$80.30
	12/01/2026	\$53.75	\$9.65	\$18.40	\$0.00	\$81.80
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
BOILER MAKER <i>BOILERMAKERS LOCAL 29</i>	01/01/2024	\$48.12	\$7.07	\$20.60	\$0.00	\$75.79

Apprentice - BOILERMAKER - Local 29

Effective Date - 01/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	65	\$31.28	\$7.07	\$13.22	\$0.00	\$51.57
2	65	\$31.28	\$7.07	\$13.22	\$0.00	\$51.57
3	70	\$33.68	\$7.07	\$14.23	\$0.00	\$54.98
4	75	\$36.09	\$7.07	\$15.24	\$0.00	\$58.40
5	80	\$38.50	\$7.07	\$16.25	\$0.00	\$61.82
6	85	\$40.90	\$7.07	\$17.28	\$0.00	\$65.25
7	90	\$43.31	\$7.07	\$18.28	\$0.00	\$68.66
8	95	\$45.71	\$7.07	\$19.32	\$0.00	\$72.10

Notes:

Apprentice to Journeyworker Ratio:1:4

BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING) <i>BRICKLAYERS LOCAL 3 (NEWTON)</i>	08/01/2024	\$64.50	\$11.49	\$23.59	\$0.00	\$99.58
	02/01/2025	\$65.80	\$11.49	\$23.59	\$0.00	\$100.88
	08/01/2025	\$67.95	\$11.49	\$23.59	\$0.00	\$103.03
	02/01/2026	\$69.30	\$11.49	\$23.59	\$0.00	\$104.38
	08/01/2026	\$71.50	\$11.49	\$23.59	\$0.00	\$106.58
	02/01/2027	\$72.90	\$11.49	\$23.59	\$0.00	\$107.98

Issue Date: 10/04/2024

Wage Request Number: 20241003-054

Page 4 of 44

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - BRICK/PLASTER/CEMENT MASON - Local 3 Newton

Effective Date - 08/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$32.25	\$11.49	\$23.59	\$0.00	\$67.33
2	60	\$38.70	\$11.49	\$23.59	\$0.00	\$73.78
3	70	\$45.15	\$11.49	\$23.59	\$0.00	\$80.23
4	80	\$51.60	\$11.49	\$23.59	\$0.00	\$86.68
5	90	\$58.05	\$11.49	\$23.59	\$0.00	\$93.13

Effective Date - 02/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$32.90	\$11.49	\$23.59	\$0.00	\$67.98
2	60	\$39.48	\$11.49	\$23.59	\$0.00	\$74.56
3	70	\$46.06	\$11.49	\$23.59	\$0.00	\$81.14
4	80	\$52.64	\$11.49	\$23.59	\$0.00	\$87.72
5	90	\$59.22	\$11.49	\$23.59	\$0.00	\$94.30

Notes:

Apprentice to Journeyworker Ratio:1:5

BULLDOZER/GRADER/SCRAPER OPERATING ENGINEERS LOCAL 4	06/01/2024	\$55.41	\$15.30	\$16.40	\$0.00	\$87.11
	12/01/2024	\$56.85	\$15.30	\$16.40	\$0.00	\$88.55
	06/01/2025	\$58.13	\$15.30	\$16.40	\$0.00	\$89.83
	12/01/2025	\$59.57	\$15.30	\$16.40	\$0.00	\$91.27
	06/01/2026	\$60.85	\$15.30	\$16.40	\$0.00	\$92.55
	12/01/2026	\$62.29	\$15.30	\$16.40	\$0.00	\$93.99

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

CAISSON & UNDERPINNING BOTTOM MAN LABORERS - FOUNDATION AND MARINE	06/01/2024	\$46.63	\$9.65	\$18.22	\$0.00	\$74.50
	12/01/2024	\$48.10	\$9.65	\$18.22	\$0.00	\$75.97
	06/01/2025	\$49.60	\$9.65	\$18.22	\$0.00	\$77.47
	12/01/2025	\$51.10	\$9.65	\$18.22	\$0.00	\$78.97
	06/01/2026	\$52.65	\$9.65	\$18.22	\$0.00	\$80.52
	12/01/2026	\$54.15	\$9.65	\$18.22	\$0.00	\$82.02

For apprentice rates see "Apprentice- LABORER"

CAISSON & UNDERPINNING LABORER LABORERS - FOUNDATION AND MARINE	06/01/2024	\$45.48	\$9.65	\$18.22	\$0.00	\$73.35
	12/01/2024	\$46.95	\$9.65	\$18.22	\$0.00	\$74.82
	06/01/2025	\$48.45	\$9.65	\$18.22	\$0.00	\$76.32
	12/01/2025	\$49.95	\$9.65	\$18.22	\$0.00	\$77.82
	06/01/2026	\$51.50	\$9.65	\$18.22	\$0.00	\$79.37
	12/01/2026	\$53.00	\$9.65	\$18.22	\$0.00	\$80.87

For apprentice rates see "Apprentice- LABORER"

Issue Date: 10/04/2024

Wage Request Number: 20241003-054

Page 5 of 44

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
CAISSON & UNDERPINNING TOP MAN <i>LABORERS - FOUNDATION AND MARINE</i>	06/01/2024	\$45.81	\$9.65	\$18.22	\$0.00	\$73.68
	12/01/2024	\$47.28	\$9.65	\$18.22	\$0.00	\$75.15
	06/01/2025	\$48.78	\$9.65	\$18.22	\$0.00	\$76.65
	12/01/2025	\$50.28	\$9.65	\$18.22	\$0.00	\$78.15
	06/01/2026	\$51.83	\$9.65	\$18.22	\$0.00	\$79.70
	12/01/2026	\$53.33	\$9.65	\$18.22	\$0.00	\$81.20
	For apprentice rates see "Apprentice- LABORER"					
CARBIDE CORE DRILL OPERATOR <i>LABORERS - ZONE 1</i>	06/01/2024	\$45.63	\$9.65	\$18.40	\$0.00	\$73.68
	12/01/2024	\$47.10	\$9.65	\$18.40	\$0.00	\$75.15
	06/01/2025	\$48.60	\$9.65	\$18.40	\$0.00	\$76.65
	12/01/2025	\$50.10	\$9.65	\$18.40	\$0.00	\$78.15
	06/01/2026	\$51.65	\$9.65	\$18.40	\$0.00	\$79.70
	12/01/2026	\$53.15	\$9.65	\$18.40	\$0.00	\$81.20
	06/01/2027	\$54.75	\$9.65	\$18.40	\$0.00	\$82.80
	12/01/2027	\$56.35	\$9.65	\$18.40	\$0.00	\$84.40
	06/01/2028	\$58.03	\$9.65	\$18.40	\$0.00	\$86.08
	12/01/2028	\$59.70	\$9.65	\$18.40	\$0.00	\$87.75
For apprentice rates see "Apprentice- LABORER"						
CARPENTER <i>CARPENTERS - ZONE 2 (Eastern Massachusetts)</i>	09/01/2024	\$48.37	\$9.83	\$19.97	\$0.00	\$78.17
	03/01/2025	\$49.62	\$9.83	\$19.97	\$0.00	\$79.42
	09/01/2025	\$50.87	\$9.83	\$19.97	\$0.00	\$80.67
	03/01/2026	\$52.12	\$9.83	\$19.97	\$0.00	\$81.92
	09/01/2026	\$53.37	\$9.83	\$19.97	\$0.00	\$83.17
	03/01/2027	\$54.62	\$9.83	\$19.97	\$0.00	\$84.42

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - CARPENTER - Zone 2 Eastern MA

Effective Date - 09/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	45	\$21.77	\$9.83	\$1.73	\$0.00	\$33.33
2	45	\$21.77	\$9.83	\$1.73	\$0.00	\$33.33
3	55	\$26.60	\$9.83	\$3.40	\$0.00	\$39.83
4	55	\$26.60	\$9.83	\$3.40	\$0.00	\$39.83
5	70	\$33.86	\$9.83	\$16.51	\$0.00	\$60.20
6	70	\$33.86	\$9.83	\$16.51	\$0.00	\$60.20
7	80	\$38.70	\$9.83	\$18.24	\$0.00	\$66.77
8	80	\$38.70	\$9.83	\$18.24	\$0.00	\$66.77

Effective Date - 03/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	45	\$22.33	\$9.83	\$1.73	\$0.00	\$33.89
2	45	\$22.33	\$9.83	\$1.73	\$0.00	\$33.89
3	55	\$27.29	\$9.83	\$3.40	\$0.00	\$40.52
4	55	\$27.29	\$9.83	\$3.40	\$0.00	\$40.52
5	70	\$34.73	\$9.83	\$16.51	\$0.00	\$61.07
6	70	\$34.73	\$9.83	\$16.51	\$0.00	\$61.07
7	80	\$39.70	\$9.83	\$18.24	\$0.00	\$67.77
8	80	\$39.70	\$9.83	\$18.24	\$0.00	\$67.77

Notes:

Apprentice to Journeyworker Ratio:1:5

CARPENTER WOOD FRAME	10/01/2024	\$31.91	\$7.02	\$6.47	\$0.00	\$45.40
CARPENTERS-ZONE 2 (Wood Frame)	10/01/2025	\$33.21	\$7.02	\$6.47	\$0.00	\$46.70
	10/01/2026	\$34.51	\$7.02	\$6.47	\$0.00	\$48.00

All Aspects of New Wood Frame Work

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - CARPENTER (Wood Frame) - Zone 2

Effective Date - 10/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$15.96	\$7.02	\$0.00	\$0.00	\$22.98
2	50	\$15.96	\$7.02	\$0.00	\$0.00	\$22.98
3	55	\$17.55	\$7.02	\$2.00	\$0.00	\$26.57
4	55	\$17.55	\$7.02	\$2.00	\$0.00	\$26.57
5	70	\$22.34	\$7.02	\$6.47	\$0.00	\$35.83
6	70	\$22.34	\$7.02	\$6.47	\$0.00	\$35.83
7	80	\$25.53	\$7.02	\$6.47	\$0.00	\$39.02
8	80	\$25.53	\$7.02	\$6.47	\$0.00	\$39.02

Effective Date - 10/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$16.61	\$7.02	\$0.00	\$0.00	\$23.63
2	50	\$16.61	\$7.02	\$0.00	\$0.00	\$23.63
3	55	\$18.27	\$7.02	\$2.00	\$0.00	\$27.29
4	55	\$18.27	\$7.02	\$2.00	\$0.00	\$27.29
5	70	\$23.25	\$7.02	\$6.47	\$0.00	\$36.74
6	70	\$23.25	\$7.02	\$6.47	\$0.00	\$36.74
7	80	\$26.57	\$7.02	\$6.47	\$0.00	\$40.06
8	80	\$26.57	\$7.02	\$6.47	\$0.00	\$40.06

Notes:

Apprentice to Journeyworker Ratio:1:5

CEMENT MASONRY/PLASTERING 01/01/2024 \$49.33 \$13.00 \$23.57 \$1.30 \$87.20
 BRICKLAYERS LOCAL 3 (NEWTON)

Apprentice - CEMENT MASONRY/PLASTERING - Eastern Mass (Newton)

Effective Date - 01/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.67	\$13.00	\$15.93	\$0.00	\$53.60
2	60	\$29.60	\$13.00	\$18.57	\$1.30	\$62.47
3	65	\$32.06	\$13.00	\$19.57	\$1.30	\$65.93
4	70	\$34.53	\$13.00	\$20.57	\$1.30	\$69.40
5	75	\$37.00	\$13.00	\$21.57	\$1.30	\$72.87
6	80	\$39.46	\$13.00	\$22.57	\$1.30	\$76.33
7	90	\$44.40	\$13.00	\$23.57	\$1.30	\$82.27

Notes:
 Steps 3,4 are 500 hrs. All other steps are 1,000 hrs.

Apprentice to Journeyworker Ratio:1:3

Issue Date: 10/04/2024 Wage Request Number: 20241003-054 Page 8 of 44

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
CHAIN SAW OPERATOR <i>LABORERS - ZONE 1</i>	06/01/2024	\$45.63	\$9.65	\$18.40	\$0.00	\$73.68
	12/01/2024	\$47.10	\$9.65	\$18.40	\$0.00	\$75.15
	06/01/2025	\$48.60	\$9.65	\$18.40	\$0.00	\$76.65
	12/01/2025	\$50.10	\$9.65	\$18.40	\$0.00	\$78.15
	06/01/2026	\$51.65	\$9.65	\$18.40	\$0.00	\$79.70
	12/01/2026	\$53.15	\$9.65	\$18.40	\$0.00	\$81.20
	06/01/2027	\$54.75	\$9.65	\$18.40	\$0.00	\$82.80
	12/01/2027	\$56.35	\$9.65	\$18.40	\$0.00	\$84.40
	06/01/2028	\$58.03	\$9.65	\$18.40	\$0.00	\$86.08
	12/01/2028	\$59.70	\$9.65	\$18.40	\$0.00	\$87.75
For apprentice rates see "Apprentice- LABORER"						
CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2024	\$57.15	\$15.30	\$16.40	\$0.00	\$88.85
	12/01/2024	\$58.63	\$15.30	\$16.40	\$0.00	\$90.33
	06/01/2025	\$59.96	\$15.30	\$16.40	\$0.00	\$91.66
	12/01/2025	\$61.43	\$15.30	\$16.40	\$0.00	\$93.13
	06/01/2026	\$62.76	\$15.30	\$16.40	\$0.00	\$94.46
	12/01/2026	\$64.24	\$15.30	\$16.40	\$0.00	\$95.94
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
COMPRESSOR OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2024	\$36.17	\$15.30	\$16.40	\$0.00	\$67.87
	12/01/2024	\$37.12	\$15.30	\$16.40	\$0.00	\$68.82
	06/01/2025	\$37.97	\$15.30	\$16.40	\$0.00	\$69.67
	12/01/2025	\$38.92	\$15.30	\$16.40	\$0.00	\$70.62
	06/01/2026	\$39.78	\$15.30	\$16.40	\$0.00	\$71.48
	12/01/2026	\$40.73	\$15.30	\$16.40	\$0.00	\$72.43
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
DELEADER (BRIDGE) <i>PAINTERS LOCAL 35 - ZONE 2</i>	07/01/2024	\$57.26	\$9.95	\$23.95	\$0.00	\$91.16
	01/01/2025	\$58.46	\$9.95	\$23.95	\$0.00	\$92.36

Issue Date: 10/04/2024

Wage Request Number: 20241003-054

Page 9 of 44

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER Local 35 - BRIDGES/TANKS

Effective Date - 07/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$28.63	\$9.95	\$0.00	\$0.00	\$38.58
2	55	\$31.49	\$9.95	\$6.66	\$0.00	\$48.10
3	60	\$34.36	\$9.95	\$7.26	\$0.00	\$51.57
4	65	\$37.22	\$9.95	\$7.87	\$0.00	\$55.04
5	70	\$40.08	\$9.95	\$20.32	\$0.00	\$70.35
6	75	\$42.95	\$9.95	\$20.93	\$0.00	\$73.83
7	80	\$45.81	\$9.95	\$21.53	\$0.00	\$77.29
8	90	\$51.53	\$9.95	\$22.74	\$0.00	\$84.22

Effective Date - 01/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$29.23	\$9.95	\$0.00	\$0.00	\$39.18
2	55	\$32.15	\$9.95	\$6.66	\$0.00	\$48.76
3	60	\$35.08	\$9.95	\$7.26	\$0.00	\$52.29
4	65	\$38.00	\$9.95	\$7.87	\$0.00	\$55.82
5	70	\$40.92	\$9.95	\$20.32	\$0.00	\$71.19
6	75	\$43.85	\$9.95	\$20.93	\$0.00	\$74.73
7	80	\$46.77	\$9.95	\$21.53	\$0.00	\$78.25
8	90	\$52.61	\$9.95	\$22.74	\$0.00	\$85.30

Notes:
Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

DEMO: ADZEMAN	06/10/2024	\$45.53	\$9.65	\$18.40	\$0.00	\$73.58
LABORERS - ZONE 1	12/02/2024	\$47.00	\$9.65	\$18.40	\$0.00	\$75.05
	06/02/2025	\$48.50	\$9.65	\$18.40	\$0.00	\$76.55
	12/01/2025	\$50.00	\$9.65	\$18.40	\$0.00	\$78.05
	06/01/2026	\$51.55	\$9.65	\$18.40	\$0.00	\$79.60
	12/07/2026	\$53.05	\$9.65	\$18.40	\$0.00	\$81.10
	06/07/2027	\$54.65	\$9.65	\$18.40	\$0.00	\$82.70
	12/06/2027	\$56.25	\$9.65	\$18.40	\$0.00	\$84.30
	06/05/2028	\$57.93	\$9.65	\$18.40	\$0.00	\$85.98
	12/04/2028	\$59.60	\$9.65	\$18.40	\$0.00	\$87.65

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
DEMO: BACKHOE/LOADER/HAMMER OPERATOR <i>LABORERS - ZONE 1</i>	06/10/2024	\$46.53	\$9.65	\$18.40	\$0.00	\$74.58
	12/02/2024	\$48.00	\$9.65	\$18.40	\$0.00	\$76.05
	06/02/2025	\$49.50	\$9.65	\$18.40	\$0.00	\$77.55
	12/01/2025	\$51.00	\$9.65	\$18.40	\$0.00	\$79.05
	06/01/2026	\$52.55	\$9.65	\$18.40	\$0.00	\$80.60
	12/07/2026	\$54.05	\$9.65	\$18.40	\$0.00	\$82.10
	06/07/2027	\$55.65	\$9.65	\$18.40	\$0.00	\$83.70
	12/06/2027	\$57.25	\$9.65	\$18.40	\$0.00	\$85.30
	06/05/2028	\$58.93	\$9.65	\$18.40	\$0.00	\$86.98
	12/04/2028	\$60.60	\$9.65	\$18.40	\$0.00	\$88.65
	For apprentice rates see "Apprentice- LABORER"					
DEMO: BURNERS <i>LABORERS - ZONE 1</i>	06/10/2024	\$46.28	\$9.65	\$18.40	\$0.00	\$74.33
	12/02/2024	\$47.75	\$9.65	\$18.40	\$0.00	\$75.80
	06/02/2025	\$49.25	\$9.65	\$18.40	\$0.00	\$77.30
	12/01/2025	\$50.75	\$9.65	\$18.40	\$0.00	\$78.80
	06/01/2026	\$52.30	\$9.65	\$18.40	\$0.00	\$80.35
	12/07/2026	\$53.80	\$9.65	\$18.40	\$0.00	\$81.85
	06/07/2027	\$55.40	\$9.65	\$18.40	\$0.00	\$83.45
	12/06/2027	\$57.00	\$9.65	\$18.40	\$0.00	\$85.05
	06/05/2028	\$58.68	\$9.65	\$18.40	\$0.00	\$86.73
	12/04/2028	\$60.35	\$9.65	\$18.40	\$0.00	\$88.40
	For apprentice rates see "Apprentice- LABORER"					
DEMO: CONCRETE CUTTER/SAWYER <i>LABORERS - ZONE 1</i>	06/10/2024	\$46.53	\$9.65	\$18.40	\$0.00	\$74.58
	12/02/2024	\$48.00	\$9.65	\$18.40	\$0.00	\$76.05
	06/02/2025	\$49.50	\$9.65	\$18.40	\$0.00	\$77.55
	12/01/2025	\$51.00	\$9.65	\$18.40	\$0.00	\$79.05
	06/01/2026	\$52.55	\$9.65	\$18.40	\$0.00	\$80.60
	12/07/2026	\$54.05	\$9.65	\$18.40	\$0.00	\$82.10
	06/07/2027	\$55.65	\$9.65	\$18.40	\$0.00	\$83.70
	12/06/2027	\$57.25	\$9.65	\$18.40	\$0.00	\$85.30
	06/05/2028	\$58.93	\$9.65	\$18.40	\$0.00	\$86.98
	12/04/2028	\$60.60	\$9.65	\$18.40	\$0.00	\$88.65
	For apprentice rates see "Apprentice- LABORER"					
DEMO: JACKHAMMER OPERATOR <i>LABORERS - ZONE 1</i>	06/10/2024	\$46.28	\$9.65	\$18.40	\$0.00	\$74.33
	12/02/2024	\$47.75	\$9.65	\$18.40	\$0.00	\$75.80
	06/02/2025	\$49.25	\$9.65	\$18.40	\$0.00	\$77.30
	12/01/2025	\$50.75	\$9.65	\$18.40	\$0.00	\$78.80
	06/01/2026	\$52.30	\$9.65	\$18.40	\$0.00	\$80.35
	12/07/2026	\$53.80	\$9.65	\$18.40	\$0.00	\$81.85
	06/07/2027	\$55.40	\$9.65	\$18.40	\$0.00	\$83.45
	12/06/2027	\$57.00	\$9.65	\$18.40	\$0.00	\$85.05
	06/05/2028	\$58.68	\$9.65	\$18.40	\$0.00	\$86.73
	12/04/2028	\$60.35	\$9.65	\$18.40	\$0.00	\$88.40
	For apprentice rates see "Apprentice- LABORER"					

Issue Date: 10/04/2024

Wage Request Number: 20241003-054

Page 11 of 44

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
DEMO: WRECKING LABORER <i>LABORERS - ZONE 1</i>	06/10/2024	\$45.53	\$9.65	\$18.40	\$0.00	\$73.58
	12/02/2024	\$47.00	\$9.65	\$18.40	\$0.00	\$75.05
	06/02/2025	\$48.50	\$9.65	\$18.40	\$0.00	\$76.55
	12/01/2025	\$50.00	\$9.65	\$18.40	\$0.00	\$78.05
	06/01/2026	\$51.55	\$9.65	\$18.40	\$0.00	\$79.60
	12/07/2026	\$53.05	\$9.65	\$18.40	\$0.00	\$81.10
	06/07/2027	\$54.65	\$9.65	\$18.40	\$0.00	\$82.70
	12/06/2027	\$56.25	\$9.65	\$18.40	\$0.00	\$84.30
	06/05/2028	\$57.93	\$9.65	\$18.40	\$0.00	\$85.98
	12/04/2028	\$59.60	\$9.65	\$18.40	\$0.00	\$87.65
For apprentice rates see "Apprentice- LABORER"						
DIRECTIONAL DRILL MACHINE OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2024	\$55.41	\$15.30	\$16.40	\$0.00	\$87.11
	12/01/2024	\$56.85	\$15.30	\$16.40	\$0.00	\$88.55
	06/01/2025	\$58.13	\$15.30	\$16.40	\$0.00	\$89.83
	12/01/2025	\$59.57	\$15.30	\$16.40	\$0.00	\$91.27
	06/01/2026	\$60.85	\$15.30	\$16.40	\$0.00	\$92.55
	12/01/2026	\$62.29	\$15.30	\$16.40	\$0.00	\$93.99
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
DIVER <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2020	\$68.70	\$9.40	\$23.12	\$0.00	\$101.22
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER TENDER <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2020	\$49.07	\$9.40	\$23.12	\$0.00	\$81.59
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER TENDER (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2020	\$73.60	\$9.40	\$23.12	\$0.00	\$106.12
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER/SLURRY (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2020	\$103.05	\$9.40	\$23.12	\$0.00	\$135.57
For apprentice rates see "Apprentice- PILE DRIVER"						
DRAWBRIDGE OPERATOR (Construction) <i>DRAWBRIDGE - SEIU LOCAL 888</i>	07/01/2020	\$26.77	\$6.67	\$3.93	\$0.16	\$37.53
ELECTRICIAN <i>ELECTRICIANS LOCAL 103</i>	09/01/2024	\$63.78	\$13.00	\$22.26	\$0.00	\$99.04
	03/01/2025	\$64.98	\$13.00	\$22.30	\$0.00	\$100.28
	09/01/2025	\$66.89	\$13.00	\$22.36	\$0.00	\$102.25
	03/01/2026	\$68.09	\$13.00	\$22.39	\$0.00	\$103.48
	09/01/2026	\$70.00	\$13.00	\$22.45	\$0.00	\$105.45
	03/01/2027	\$71.19	\$13.00	\$22.49	\$0.00	\$106.68
	09/01/2027	\$73.11	\$13.00	\$22.54	\$0.00	\$108.65
	03/01/2028	\$74.31	\$13.00	\$22.58	\$0.00	\$109.89

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - *ELECTRICIAN - Local 103*

Effective Date - 09/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$25.51	\$13.00	\$0.77	\$0.00	\$39.28
2	40	\$25.51	\$13.00	\$0.77	\$0.00	\$39.28
3	45	\$28.70	\$13.00	\$16.69	\$0.00	\$58.39
4	45	\$28.70	\$13.00	\$16.69	\$0.00	\$58.39
5	50	\$31.89	\$13.00	\$17.20	\$0.00	\$62.09
6	55	\$35.08	\$13.00	\$17.70	\$0.00	\$65.78
7	60	\$38.27	\$13.00	\$18.21	\$0.00	\$69.48
8	65	\$41.46	\$13.00	\$18.71	\$0.00	\$73.17
9	70	\$44.65	\$13.00	\$19.22	\$0.00	\$76.87
10	75	\$47.84	\$13.00	\$19.74	\$0.00	\$80.58

Effective Date - 03/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$25.99	\$13.00	\$0.78	\$0.00	\$39.77
2	40	\$25.99	\$13.00	\$0.78	\$0.00	\$39.77
3	45	\$29.24	\$13.00	\$16.71	\$0.00	\$58.95
4	45	\$29.24	\$13.00	\$16.71	\$0.00	\$58.95
5	50	\$32.49	\$13.00	\$17.21	\$0.00	\$62.70
6	55	\$35.74	\$13.00	\$17.72	\$0.00	\$66.46
7	60	\$38.99	\$13.00	\$18.23	\$0.00	\$70.22
8	65	\$42.24	\$13.00	\$18.74	\$0.00	\$73.98
9	70	\$45.49	\$13.00	\$19.24	\$0.00	\$77.73
10	75	\$48.74	\$13.00	\$19.76	\$0.00	\$81.50

Notes :
App Prior 1/1/03; 30/35/40/45/50/55/65/70/75/80

Apprentice to Journeyworker Ratio:2:3***

ELEVATOR CONSTRUCTOR <i>ELEVATOR CONSTRUCTORS LOCAL 4</i>	01/01/2022	\$65.62	\$16.03	\$20.21	\$0.00	\$101.86
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Classification Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - ELEVATOR CONSTRUCTOR - Local 4
Effective Date - 01/01/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$32.81	\$16.03	\$0.00	\$0.00	\$48.84
2	55	\$36.09	\$16.03	\$20.21	\$0.00	\$72.33
3	65	\$42.65	\$16.03	\$20.21	\$0.00	\$78.89
4	70	\$45.93	\$16.03	\$20.21	\$0.00	\$82.17
5	80	\$52.50	\$16.03	\$20.21	\$0.00	\$88.74

Notes:
 Steps 1-2 are 6 mos.; Steps 3-5 are 1 year

Apprentice to Journeyworker Ratio:1:1

ELEVATOR CONSTRUCTOR HELPER <i>ELEVATOR CONSTRUCTORS LOCAL 4</i>	01/01/2022	\$45.93	\$16.03	\$20.21	\$0.00	\$82.17
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For apprentice rates see "Apprentice - ELEVATOR CONSTRUCTOR"

FENCE & GUARD RAIL ERECTOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 1 (HEAVY & HIGHWAY)</i>	06/01/2024	\$45.73	\$9.65	\$18.40	\$0.00	\$73.78
	12/01/2024	\$47.20	\$9.65	\$18.40	\$0.00	\$75.25
	06/01/2025	\$48.70	\$9.65	\$18.40	\$0.00	\$76.75
	12/01/2025	\$50.20	\$9.65	\$18.40	\$0.00	\$78.25
	06/01/2026	\$51.75	\$9.65	\$18.40	\$0.00	\$79.80
	12/01/2026	\$53.25	\$9.65	\$18.40	\$0.00	\$81.30

For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"

FIELD ENG.INST.PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	05/01/2024	\$50.79	\$15.00	\$16.40	\$0.00	\$82.19
	11/01/2024	\$52.08	\$15.00	\$16.40	\$0.00	\$83.48
	05/01/2025	\$53.52	\$15.00	\$16.40	\$0.00	\$84.92
	11/01/2025	\$54.81	\$15.00	\$16.40	\$0.00	\$86.21
	05/01/2026	\$56.25	\$15.00	\$16.40	\$0.00	\$87.65
	11/01/2026	\$57.54	\$15.00	\$16.40	\$0.00	\$88.94
	05/01/2027	\$58.97	\$15.00	\$16.40	\$0.00	\$90.37

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

FIELD ENG.PARTY CHIEF-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	05/01/2024	\$52.37	\$15.00	\$16.40	\$0.00	\$83.77
	11/01/2024	\$53.67	\$15.00	\$16.40	\$0.00	\$85.07
	05/01/2025	\$55.12	\$15.00	\$16.40	\$0.00	\$86.52
	11/01/2025	\$56.42	\$15.00	\$16.40	\$0.00	\$87.82
	05/01/2026	\$57.87	\$15.00	\$16.40	\$0.00	\$89.27
	11/01/2026	\$59.17	\$15.00	\$16.40	\$0.00	\$90.57
	05/01/2027	\$60.62	\$15.00	\$16.40	\$0.00	\$92.02

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
FIELD ENG.ROD PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	05/01/2024	\$24.91	\$15.00	\$16.40	\$0.00	\$56.31
	11/01/2024	\$25.67	\$15.00	\$16.40	\$0.00	\$57.07
	05/01/2025	\$26.52	\$15.00	\$16.40	\$0.00	\$57.92
	11/01/2025	\$27.28	\$15.00	\$16.40	\$0.00	\$58.68
	05/01/2026	\$28.13	\$15.00	\$16.40	\$0.00	\$59.53
	11/01/2026	\$28.89	\$15.00	\$16.40	\$0.00	\$60.29
	05/01/2027	\$29.74	\$15.00	\$16.40	\$0.00	\$61.14
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FIRE ALARM INSTALLER <i>ELECTRICIANS LOCAL 103</i>	09/01/2024	\$63.78	\$13.00	\$22.26	\$0.00	\$99.04
	03/01/2025	\$64.98	\$13.00	\$22.30	\$0.00	\$100.28
	09/01/2025	\$66.89	\$13.00	\$22.36	\$0.00	\$102.25
	03/01/2026	\$68.09	\$13.00	\$22.39	\$0.00	\$103.48
	09/01/2026	\$70.00	\$13.00	\$22.45	\$0.00	\$105.45
	03/01/2027	\$71.19	\$13.00	\$22.49	\$0.00	\$106.68
	09/01/2027	\$73.11	\$13.00	\$22.54	\$0.00	\$108.65
03/01/2028	\$74.31	\$13.00	\$22.58	\$0.00	\$109.89	
For apprentice rates see "Apprentice- ELECTRICIAN"						
FIRE ALARM REPAIR / MAINTENANCE <i>LOCAL 103</i> / COMMISSIONING <i>ELECTRICIANS</i>	09/01/2024	\$51.02	\$13.00	\$20.24	\$0.00	\$84.26
	03/01/2025	\$51.98	\$13.00	\$20.27	\$0.00	\$85.25
	09/01/2025	\$53.51	\$13.00	\$20.32	\$0.00	\$86.83
	03/01/2026	\$54.47	\$13.00	\$20.34	\$0.00	\$87.81
	09/01/2026	\$56.00	\$13.00	\$20.39	\$0.00	\$89.39
	03/01/2027	\$56.95	\$13.00	\$20.42	\$0.00	\$90.37
	09/01/2027	\$58.49	\$13.00	\$20.46	\$0.00	\$91.95
03/01/2028	\$59.45	\$13.00	\$20.49	\$0.00	\$92.94	
For apprentice rates see "Apprentice- TELECOMMUNICATIONS TECHNICIAN"						
FIREMAN (ASST. ENGINEER) <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2024	\$45.23	\$15.30	\$16.40	\$0.00	\$76.93
	12/01/2024	\$46.41	\$15.30	\$16.40	\$0.00	\$78.11
	06/01/2025	\$47.47	\$15.30	\$16.40	\$0.00	\$79.17
	12/01/2025	\$48.64	\$15.30	\$16.40	\$0.00	\$80.34
	06/01/2026	\$49.70	\$15.30	\$16.40	\$0.00	\$81.40
	12/01/2026	\$50.88	\$15.30	\$16.40	\$0.00	\$82.58
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FLAGGER & SIGNALER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 1 (HEAVY & HIGHWAY)</i>	06/01/2024	\$27.01	\$9.65	\$18.40	\$0.00	\$55.06
	12/01/2024	\$27.01	\$9.65	\$18.40	\$0.00	\$55.06
	06/01/2025	\$28.09	\$9.65	\$18.40	\$0.00	\$56.14
	12/01/2025	\$28.09	\$9.65	\$18.40	\$0.00	\$56.14
	06/01/2026	\$29.21	\$9.65	\$18.40	\$0.00	\$57.26
	12/01/2026	\$29.21	\$9.65	\$18.40	\$0.00	\$57.26
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
FLOORCOVERER <i>FLOORCOVERERS LOCAL 2168 ZONE 1</i>	09/01/2024	\$56.23	\$8.83	\$20.27	\$0.00	\$85.33
	03/01/2025	\$57.73	\$8.83	\$20.27	\$0.00	\$86.83
	09/01/2025	\$59.23	\$8.83	\$20.27	\$0.00	\$88.33
	03/01/2026	\$60.73	\$8.83	\$20.27	\$0.00	\$89.83
	09/01/2026	\$62.23	\$8.83	\$20.27	\$0.00	\$91.33
	03/01/2027	\$63.73	\$8.83	\$20.27	\$0.00	\$92.83

Issue Date: 10/04/2024

Wage Request Number: 20241003-054

Page 15 of 44

Classification Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - FLOORCOVERER - Local 216S Zone I

Effective Date - 09/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	45	\$25.30	\$8.83	\$1.76	\$0.00	\$35.89
2	45	\$25.30	\$8.83	\$1.76	\$0.00	\$35.89
3	55	\$30.93	\$8.83	\$3.52	\$0.00	\$43.28
4	55	\$30.93	\$8.83	\$3.52	\$0.00	\$43.28
5	70	\$39.36	\$8.83	\$16.75	\$0.00	\$64.94
6	70	\$39.36	\$8.83	\$16.75	\$0.00	\$64.94
7	80	\$44.98	\$8.83	\$18.51	\$0.00	\$72.32
8	80	\$44.98	\$8.83	\$18.51	\$0.00	\$72.32

Effective Date - 03/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	45	\$25.98	\$8.83	\$1.76	\$0.00	\$36.57
2	45	\$25.98	\$8.83	\$1.76	\$0.00	\$36.57
3	55	\$31.75	\$8.83	\$3.52	\$0.00	\$44.10
4	55	\$31.75	\$8.83	\$3.52	\$0.00	\$44.10
5	70	\$40.41	\$8.83	\$16.75	\$0.00	\$65.99
6	70	\$40.41	\$8.83	\$16.75	\$0.00	\$65.99
7	80	\$46.18	\$8.83	\$18.51	\$0.00	\$73.52
8	80	\$46.18	\$8.83	\$18.51	\$0.00	\$73.52

Notes: Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

FORK LIFT/CHERRY PICKER	06/01/2024	\$56.03	\$15.30	\$16.40	\$0.00	\$87.73
OPERATING ENGINEERS LOCAL 4	12/01/2024	\$57.48	\$15.30	\$16.40	\$0.00	\$89.18
	06/01/2025	\$58.78	\$15.30	\$16.40	\$0.00	\$90.48
	12/01/2025	\$60.23	\$15.30	\$16.40	\$0.00	\$91.93
	06/01/2026	\$61.53	\$15.30	\$16.40	\$0.00	\$93.23
	12/01/2026	\$62.98	\$15.30	\$16.40	\$0.00	\$94.68

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

GENERATOR/LIGHTING PLANT/HEATERS	06/01/2024	\$36.17	\$15.30	\$16.40	\$0.00	\$67.87
OPERATING ENGINEERS LOCAL 4	12/01/2024	\$37.12	\$15.30	\$16.40	\$0.00	\$68.82
	06/01/2025	\$37.97	\$15.30	\$16.40	\$0.00	\$69.67
	12/01/2025	\$38.92	\$15.30	\$16.40	\$0.00	\$70.62
	06/01/2026	\$39.78	\$15.30	\$16.40	\$0.00	\$71.48
	12/01/2026	\$40.73	\$15.30	\$16.40	\$0.00	\$72.43

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS)	07/01/2024	\$46.76	\$9.95	\$23.95	\$0.00	\$80.66
GLAZIERS LOCAL 35 (ZONE 2)	01/01/2025	\$47.96	\$9.95	\$23.95	\$0.00	\$81.86

Issue Date: 10/04/2024

Wage Request Number: 20241003-054

Page 16 of 44

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - *GLAZIER - Local 35 Zone 2*
 Effective Date - 07/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.38	\$9.95	\$0.00	\$0.00	\$33.33
2	55	\$25.72	\$9.95	\$6.66	\$0.00	\$42.33
3	60	\$28.06	\$9.95	\$7.26	\$0.00	\$45.27
4	65	\$30.39	\$9.95	\$7.87	\$0.00	\$48.21
5	70	\$32.73	\$9.95	\$20.32	\$0.00	\$63.00
6	75	\$35.07	\$9.95	\$20.93	\$0.00	\$65.95
7	80	\$37.41	\$9.95	\$21.53	\$0.00	\$68.89
8	90	\$42.08	\$9.95	\$22.74	\$0.00	\$74.77

Effective Date - 01/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.98	\$9.95	\$0.00	\$0.00	\$33.93
2	55	\$26.38	\$9.95	\$6.66	\$0.00	\$42.99
3	60	\$28.78	\$9.95	\$7.26	\$0.00	\$45.99
4	65	\$31.17	\$9.95	\$7.87	\$0.00	\$48.99
5	70	\$33.57	\$9.95	\$20.32	\$0.00	\$63.84
6	75	\$35.97	\$9.95	\$20.93	\$0.00	\$66.85
7	80	\$38.37	\$9.95	\$21.53	\$0.00	\$69.85
8	90	\$43.16	\$9.95	\$22.74	\$0.00	\$75.85

Notes:
 Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

HOISTING ENGINEER/CRANES/GRADALLS	06/01/2024	\$56.03	\$15.30	\$16.40	\$0.00	\$87.73
OPERATING ENGINEERS LOCAL 4	12/01/2024	\$57.48	\$15.30	\$16.40	\$0.00	\$89.18
	06/01/2025	\$58.78	\$15.30	\$16.40	\$0.00	\$90.48
	12/01/2025	\$60.23	\$15.30	\$16.40	\$0.00	\$91.93
	06/01/2026	\$61.53	\$15.30	\$16.40	\$0.00	\$93.23
	12/01/2026	\$62.98	\$15.30	\$16.40	\$0.00	\$94.68

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - OPERATING ENGINEERS - Local 4
Effective Date - 06/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$30.82	\$15.30	\$0.00	\$0.00	\$46.12
2	60	\$33.62	\$15.30	\$16.40	\$0.00	\$65.32
3	65	\$36.42	\$15.30	\$16.40	\$0.00	\$68.12
4	70	\$39.22	\$15.30	\$16.40	\$0.00	\$70.92
5	75	\$42.02	\$15.30	\$16.40	\$0.00	\$73.72
6	80	\$44.82	\$15.30	\$16.40	\$0.00	\$76.52
7	85	\$47.63	\$15.30	\$16.40	\$0.00	\$79.33
8	90	\$50.43	\$15.30	\$16.40	\$0.00	\$82.13

Effective Date - 12/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$31.61	\$0.00	\$0.00	\$0.00	\$31.61
2	60	\$34.49	\$15.30	\$16.40	\$0.00	\$66.19
3	65	\$37.36	\$15.30	\$16.40	\$0.00	\$69.06
4	70	\$40.24	\$15.30	\$16.40	\$0.00	\$71.94
5	75	\$43.11	\$15.30	\$16.40	\$0.00	\$74.81
6	80	\$45.98	\$15.30	\$16.40	\$0.00	\$77.68
7	85	\$48.86	\$15.30	\$16.40	\$0.00	\$80.56
8	90	\$51.73	\$15.30	\$16.40	\$0.00	\$83.43

Notes:

Apprentice to Journeyworker Ratio:1:6

HVAC (DUCTWORK) <i>SHEETMETAL WORKERS LOCAL 17 - A</i>	08/01/2024	\$57.94	\$14.75	\$28.12	\$2.98	\$103.79
	02/01/2025	\$59.69	\$14.75	\$28.12	\$2.98	\$105.54
	08/01/2025	\$61.54	\$14.75	\$28.12	\$2.98	\$107.39
	02/01/2026	\$63.49	\$14.75	\$28.12	\$2.98	\$109.34

For apprentice rates see "Apprentice- SHEET METAL WORKER"

HVAC (ELECTRICAL CONTROLS) <i>ELECTRICIANS LOCAL 103</i>	09/01/2024	\$63.78	\$13.00	\$22.26	\$0.00	\$99.04
	03/01/2025	\$64.98	\$13.00	\$22.30	\$0.00	\$100.28
	09/01/2025	\$66.89	\$13.00	\$22.36	\$0.00	\$102.25
	03/01/2026	\$68.09	\$13.00	\$22.39	\$0.00	\$103.48
	09/01/2026	\$70.00	\$13.00	\$22.45	\$0.00	\$105.45
	03/01/2027	\$71.19	\$13.00	\$22.49	\$0.00	\$106.68
	09/01/2027	\$73.11	\$13.00	\$22.54	\$0.00	\$108.65
	03/01/2028	\$74.31	\$13.00	\$22.58	\$0.00	\$109.89

For apprentice rates see "Apprentice- ELECTRICIAN"

HVAC (TESTING AND BALANCING - AIR) <i>SHEETMETAL WORKERS LOCAL 17 - A</i>	08/01/2024	\$57.94	\$14.75	\$28.12	\$2.98	\$103.79
	02/01/2025	\$59.69	\$14.75	\$28.12	\$2.98	\$105.54
	08/01/2025	\$61.54	\$14.75	\$28.12	\$2.98	\$107.39
	02/01/2026	\$63.49	\$14.75	\$28.12	\$2.98	\$109.34

Issue Date: 10/04/2024

Wage Request Number: 20241003-054

Page 18 of 44

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- SHEET METAL WORKER"						
HVAC (TESTING AND BALANCING -WATER) <i>PIPEFITTERS LOCAL 537</i>	09/01/2024	\$67.08	\$12.70	\$21.80	\$0.00	\$101.58
	03/01/2025	\$68.88	\$12.70	\$21.80	\$0.00	\$103.38
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HVAC MECHANIC <i>PIPEFITTERS LOCAL 537</i>	09/01/2024	\$67.08	\$12.70	\$21.80	\$0.00	\$101.58
	03/01/2025	\$68.88	\$12.70	\$21.80	\$0.00	\$103.38
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HYDRAULIC DRILLS <i>LABORERS - ZONE 1</i>	06/01/2024	\$46.13	\$9.65	\$18.40	\$0.00	\$74.18
	12/01/2024	\$47.60	\$9.65	\$18.40	\$0.00	\$75.65
	06/01/2025	\$49.10	\$9.65	\$18.40	\$0.00	\$77.15
	12/01/2025	\$50.60	\$9.65	\$18.40	\$0.00	\$78.65
	06/01/2026	\$51.40	\$9.65	\$18.40	\$0.00	\$79.45
	12/01/2026	\$53.65	\$9.65	\$18.40	\$0.00	\$81.70
	06/01/2027	\$55.25	\$9.65	\$18.40	\$0.00	\$83.30
	12/01/2027	\$56.85	\$9.65	\$18.40	\$0.00	\$84.90
	06/01/2028	\$58.53	\$9.65	\$18.40	\$0.00	\$86.58
	12/01/2028	\$60.20	\$9.65	\$18.40	\$0.00	\$88.25
For apprentice rates see "Apprentice- LABORER"						
HYDRAULIC DRILLS (HEAVY & HIGHWAY) <i>LABORERS - ZONE 1 (HEAVY & HIGHWAY)</i>	06/01/2024	\$46.23	\$9.65	\$18.40	\$0.00	\$74.28
	12/01/2024	\$47.70	\$9.65	\$18.40	\$0.00	\$75.75
	06/01/2025	\$49.20	\$9.65	\$18.40	\$0.00	\$77.25
	12/01/2025	\$50.70	\$9.65	\$18.40	\$0.00	\$78.75
	06/01/2026	\$52.25	\$9.65	\$18.40	\$0.00	\$80.30
	12/01/2026	\$53.75	\$9.65	\$18.40	\$0.00	\$81.80
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
INSULATOR (PIPES & TANKS) <i>HEAT & FROST INSULATORS LOCAL 6 (BOSTON)</i>	09/01/2024	\$56.92	\$14.75	\$19.61	\$0.00	\$91.28
	09/01/2025	\$60.34	\$14.75	\$19.61	\$0.00	\$94.70
	09/01/2026	\$63.76	\$14.75	\$19.61	\$0.00	\$98.12

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - ASBESTOS INSULATOR (Pipes & Tanks) - Local 6 Boston

Effective Date - 09/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$28.46	\$14.75	\$14.32	\$0.00	\$57.53
2	60	\$34.15	\$14.75	\$15.37	\$0.00	\$64.27
3	70	\$39.84	\$14.75	\$16.43	\$0.00	\$71.02
4	80	\$45.54	\$14.75	\$17.49	\$0.00	\$77.78

Effective Date - 09/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$30.17	\$14.75	\$14.32	\$0.00	\$59.24
2	60	\$36.20	\$14.75	\$15.37	\$0.00	\$66.32
3	70	\$42.24	\$14.75	\$16.43	\$0.00	\$73.42
4	80	\$48.27	\$14.75	\$17.49	\$0.00	\$80.51

Notes:

Steps are 1 year

Apprentice to Journeyworker Ratio:1:4

IRONWORKER/WELDER IRONWORKERS LOCAL 7 (BOSTON AREA)	03/16/2024	\$53.97	\$8.35	\$26.70	\$0.00	\$89.02
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Apprentice - IRONWORKER - Local 7 Boston

Effective Date - 03/16/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$32.38	\$8.35	\$26.70	\$0.00	\$67.43
2	70	\$37.78	\$8.35	\$26.70	\$0.00	\$72.83
3	75	\$40.48	\$8.35	\$26.70	\$0.00	\$75.53
4	80	\$43.18	\$8.35	\$26.70	\$0.00	\$78.23
5	85	\$45.87	\$8.35	\$26.70	\$0.00	\$80.92
6	90	\$48.57	\$8.35	\$26.70	\$0.00	\$83.62

Notes:

Apprentice to Journeyworker Ratio:1:4

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
JACKHAMMER & PAVING BREAKER OPERATOR <i>LABORERS - ZONE 1</i>	06/01/2024	\$45.63	\$9.65	\$18.40	\$0.00	\$73.68
	12/01/2024	\$47.10	\$9.65	\$18.40	\$0.00	\$75.15
	06/01/2025	\$48.60	\$9.65	\$18.40	\$0.00	\$76.65
	12/01/2025	\$50.10	\$9.65	\$18.40	\$0.00	\$78.15
	06/01/2026	\$51.65	\$9.65	\$18.40	\$0.00	\$79.70
	12/01/2026	\$53.15	\$9.65	\$18.40	\$0.00	\$81.20
	06/01/2027	\$54.75	\$9.65	\$18.40	\$0.00	\$82.80
	12/01/2027	\$56.35	\$9.65	\$18.40	\$0.00	\$84.40
	06/01/2028	\$58.03	\$9.65	\$18.40	\$0.00	\$86.08
	12/01/2028	\$59.70	\$9.65	\$18.40	\$0.00	\$87.75

For apprentice rates see "Apprentice- LABORER"

LABORER <i>LABORERS - ZONE 1</i>	06/01/2024	\$45.38	\$9.65	\$18.40	\$0.00	\$73.43
	12/01/2024	\$46.85	\$9.65	\$18.40	\$0.00	\$74.90
	06/01/2025	\$48.35	\$9.65	\$18.40	\$0.00	\$76.40
	12/01/2025	\$49.85	\$9.65	\$18.40	\$0.00	\$77.90
	06/01/2026	\$51.40	\$9.65	\$18.40	\$0.00	\$79.45
	12/01/2026	\$52.90	\$9.65	\$18.40	\$0.00	\$80.95
	06/01/2027	\$54.50	\$9.65	\$18.40	\$0.00	\$82.55
	12/01/2027	\$56.10	\$9.65	\$18.40	\$0.00	\$84.15
	06/01/2028	\$57.78	\$9.65	\$18.40	\$0.00	\$85.83
	12/01/2028	\$59.45	\$9.65	\$18.40	\$0.00	\$87.50

Apprentice - LABORER - Zone 1

Effective Date - 06/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$27.23	\$9.65	\$18.40	\$0.00	\$55.28
2	70	\$31.77	\$9.65	\$18.40	\$0.00	\$59.82
3	80	\$36.30	\$9.65	\$18.40	\$0.00	\$64.35
4	90	\$40.84	\$9.65	\$18.40	\$0.00	\$68.89

Effective Date - 12/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$28.11	\$9.65	\$18.40	\$0.00	\$56.16
2	70	\$32.80	\$9.65	\$18.40	\$0.00	\$60.85
3	80	\$37.48	\$9.65	\$18.40	\$0.00	\$65.53
4	90	\$42.17	\$9.65	\$18.40	\$0.00	\$70.22

Notes:

Apprentice to Journeyworker Ratio:1:5

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
LABORER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 1 (HEAVY & HIGHWAY)</i>	06/01/2024	\$45.48	\$9.65	\$18.40	\$0.00	\$73.53
	12/01/2024	\$46.95	\$9.65	\$18.40	\$0.00	\$75.00
	06/01/2025	\$48.45	\$9.65	\$18.40	\$0.00	\$76.50
	12/01/2025	\$49.95	\$9.65	\$18.40	\$0.00	\$78.00
	06/01/2026	\$51.50	\$9.65	\$18.40	\$0.00	\$79.55
	12/01/2026	\$53.00	\$9.65	\$18.40	\$0.00	\$81.05

Apprentice - LABORER (Heavy & Highway) - Zone 1

Effective Date - 06/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$27.29	\$9.65	\$18.40	\$0.00	\$55.34
2	70	\$31.84	\$9.65	\$18.40	\$0.00	\$59.89
3	80	\$36.38	\$9.65	\$18.40	\$0.00	\$64.43
4	90	\$40.93	\$9.65	\$18.40	\$0.00	\$68.98

Effective Date - 12/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$28.17	\$9.65	\$18.40	\$0.00	\$56.22
2	70	\$32.87	\$9.65	\$18.40	\$0.00	\$60.92
3	80	\$37.56	\$9.65	\$18.40	\$0.00	\$65.61
4	90	\$42.26	\$9.65	\$18.40	\$0.00	\$70.31

Notes:

Apprentice to Journeyworker Ratio:1:5

LABORER: CARPENTER TENDER <i>LABORERS - ZONE 1</i>	06/01/2024	\$45.38	\$9.65	\$18.40	\$0.00	\$73.43
	12/01/2024	\$46.85	\$9.65	\$18.40	\$0.00	\$74.90
	06/01/2025	\$48.35	\$9.65	\$18.40	\$0.00	\$76.40
	12/01/2025	\$49.85	\$9.65	\$18.40	\$0.00	\$77.90
	06/01/2026	\$51.40	\$9.65	\$18.40	\$0.00	\$79.45
	12/01/2026	\$52.90	\$9.65	\$18.40	\$0.00	\$80.95
	06/01/2027	\$54.50	\$9.65	\$18.40	\$0.00	\$82.55
	12/01/2027	\$56.10	\$9.65	\$18.40	\$0.00	\$84.15
	06/01/2028	\$57.78	\$9.65	\$18.40	\$0.00	\$85.83
	12/01/2028	\$59.45	\$9.65	\$18.40	\$0.00	\$87.50

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
LABORER: CEMENT FINISHER TENDER <i>LABORERS - ZONE 1</i>	06/01/2024	\$45.38	\$9.65	\$18.40	\$0.00	\$73.43
	12/01/2024	\$46.85	\$9.65	\$18.40	\$0.00	\$74.90
	06/01/2025	\$48.35	\$9.65	\$18.40	\$0.00	\$76.40
	12/01/2025	\$49.85	\$9.65	\$18.40	\$0.00	\$77.90
	06/01/2026	\$51.40	\$9.65	\$18.40	\$0.00	\$79.45
	12/01/2026	\$52.90	\$9.65	\$18.40	\$0.00	\$80.95
	06/01/2027	\$54.50	\$9.65	\$18.40	\$0.00	\$82.55
	12/01/2027	\$56.10	\$9.65	\$18.40	\$0.00	\$84.15
	06/01/2028	\$57.78	\$9.65	\$18.40	\$0.00	\$85.83
	12/01/2028	\$59.45	\$9.65	\$18.40	\$0.00	\$87.50
	For apprentice rates see "Apprentice- LABORER"					
LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER <i>LABORERS - ZONE 1</i>	06/03/2024	\$45.53	\$9.65	\$18.40	\$0.00	\$73.58
	12/02/2024	\$47.00	\$9.65	\$18.40	\$0.00	\$75.05
	06/02/2025	\$48.50	\$9.65	\$18.40	\$0.00	\$76.55
	12/01/2025	\$50.00	\$9.65	\$18.40	\$0.00	\$78.05
	06/01/2026	\$51.55	\$9.65	\$18.40	\$0.00	\$79.60
	12/07/2026	\$53.05	\$9.65	\$18.40	\$0.00	\$81.10
	06/07/2027	\$54.65	\$9.65	\$18.40	\$0.00	\$82.70
	12/06/2027	\$56.25	\$9.65	\$18.40	\$0.00	\$84.30
	06/05/2028	\$57.93	\$9.65	\$18.40	\$0.00	\$85.98
	12/04/2028	\$59.60	\$9.65	\$18.40	\$0.00	\$87.65
	For apprentice rates see "Apprentice- LABORER"					
LABORER: MASON TENDER <i>LABORERS - ZONE 1</i>	06/01/2024	\$45.63	\$9.65	\$18.40	\$0.00	\$73.68
	12/01/2024	\$47.10	\$9.65	\$18.40	\$0.00	\$75.15
	06/01/2025	\$48.60	\$9.65	\$18.40	\$0.00	\$76.65
	12/01/2025	\$50.10	\$9.65	\$18.40	\$0.00	\$78.15
	06/01/2026	\$51.65	\$9.65	\$18.40	\$0.00	\$79.70
	12/01/2026	\$53.15	\$9.65	\$18.40	\$0.00	\$81.20
	06/01/2027	\$54.75	\$9.65	\$18.40	\$0.00	\$82.80
	12/01/2027	\$56.35	\$9.65	\$18.40	\$0.00	\$84.40
	06/01/2028	\$58.03	\$9.65	\$18.40	\$0.00	\$86.08
	12/01/2028	\$59.70	\$9.65	\$18.40	\$0.00	\$87.75
	For apprentice rates see "Apprentice- LABORER"					
LABORER: MASON TENDER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 1 (HEAVY & HIGHWAY)</i>	06/01/2024	\$45.73	\$9.65	\$18.40	\$0.00	\$73.78
	12/01/2024	\$47.20	\$9.65	\$18.40	\$0.00	\$75.25
	06/01/2025	\$48.70	\$9.65	\$18.40	\$0.00	\$76.75
	12/01/2025	\$50.20	\$9.65	\$18.40	\$0.00	\$78.25
	06/01/2026	\$51.75	\$9.65	\$18.40	\$0.00	\$79.80
	12/01/2026	\$53.25	\$9.65	\$18.40	\$0.00	\$81.30
	For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"					

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
LABORER: MULTI-TRADE TENDER <i>LABORERS - ZONE 1</i>	06/01/2024	\$45.38	\$9.65	\$18.40	\$0.00	\$73.43
	12/01/2024	\$46.85	\$9.65	\$18.40	\$0.00	\$74.90
	06/01/2025	\$48.35	\$9.65	\$18.40	\$0.00	\$76.40
	12/01/2025	\$49.85	\$9.65	\$18.40	\$0.00	\$77.90
	06/01/2026	\$51.40	\$9.65	\$18.40	\$0.00	\$79.45
	12/01/2026	\$52.90	\$9.65	\$18.40	\$0.00	\$80.95
	06/01/2027	\$54.50	\$9.65	\$18.40	\$0.00	\$82.55
	12/01/2027	\$56.10	\$9.65	\$18.40	\$0.00	\$84.15
	06/01/2028	\$57.78	\$9.65	\$18.40	\$0.00	\$85.83
	12/01/2028	\$59.45	\$9.65	\$18.40	\$0.00	\$87.50
For apprentice rates see "Apprentice- LABORER"						
LABORER: TREE REMOVER <i>LABORERS - ZONE 1</i>	06/01/2024	\$45.38	\$9.65	\$18.40	\$0.00	\$73.43
	12/01/2024	\$46.85	\$9.65	\$18.40	\$0.00	\$74.90
	06/01/2025	\$48.35	\$9.65	\$18.40	\$0.00	\$76.40
	12/01/2025	\$49.85	\$9.65	\$18.40	\$0.00	\$77.90
	06/01/2026	\$51.40	\$9.65	\$18.40	\$0.00	\$79.45
	12/01/2026	\$52.90	\$9.65	\$18.40	\$0.00	\$80.95
	06/01/2027	\$54.50	\$9.65	\$18.40	\$0.00	\$82.55
	12/01/2027	\$56.10	\$9.65	\$18.40	\$0.00	\$84.15
	06/01/2028	\$57.78	\$9.65	\$18.40	\$0.00	\$85.83
	12/01/2028	\$59.45	\$9.65	\$18.40	\$0.00	\$87.50
This classification applies to the removal of standing trees, and the trimming and removal of branches and limbs when related to public works construction or site clearance incidental to construction . For apprentice rates see "Apprentice- LABORER"						
LASER BEAM OPERATOR <i>LABORERS - ZONE 1</i>	06/01/2024	\$45.63	\$9.65	\$18.40	\$0.00	\$73.68
	12/01/2024	\$47.10	\$9.65	\$18.40	\$0.00	\$75.15
	06/01/2025	\$48.60	\$9.65	\$18.40	\$0.00	\$76.65
	12/01/2025	\$50.10	\$9.65	\$18.40	\$0.00	\$78.15
	06/01/2026	\$51.65	\$9.65	\$18.40	\$0.00	\$79.70
	12/01/2026	\$53.15	\$9.65	\$18.40	\$0.00	\$81.20
	06/01/2027	\$54.75	\$9.65	\$18.40	\$0.00	\$82.80
	12/01/2027	\$56.35	\$9.65	\$18.40	\$0.00	\$84.40
	06/01/2028	\$58.03	\$9.65	\$18.40	\$0.00	\$86.08
	12/01/2028	\$59.70	\$9.65	\$18.40	\$0.00	\$87.75
For apprentice rates see "Apprentice- LABORER"						
LASER BEAM OPERATOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 1 (HEAVY & HIGHWAY)</i>	06/01/2024	\$45.73	\$9.65	\$18.40	\$0.00	\$73.78
	12/01/2024	\$47.20	\$9.65	\$18.40	\$0.00	\$75.25
	06/01/2025	\$48.70	\$9.65	\$18.40	\$0.00	\$76.75
	12/01/2025	\$50.20	\$9.65	\$18.40	\$0.00	\$78.25
	06/01/2026	\$51.75	\$9.65	\$18.40	\$0.00	\$79.80
	12/01/2026	\$53.25	\$9.65	\$18.40	\$0.00	\$81.30
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
MARBLE & TILE FINISHERS <i>BRICKLAYERS LOCAL 3 - MARBLE & TILE</i>	08/01/2024	\$49.32	\$11.49	\$21.62	\$0.00	\$82.43
	02/01/2025	\$50.36	\$11.49	\$21.62	\$0.00	\$83.47
	08/01/2025	\$52.08	\$11.49	\$21.62	\$0.00	\$85.19
	02/01/2026	\$53.16	\$11.49	\$21.62	\$0.00	\$86.27
	08/01/2026	\$54.92	\$11.49	\$21.62	\$0.00	\$88.03
	02/01/2027	\$56.04	\$11.49	\$21.62	\$0.00	\$89.15

Issue Date: 10/04/2024

Wage Request Number: 20241003-054

Page 24 of 44

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - MARBLE & TILE FINISHER - Local 3 Marble & Tile

Effective Date - 08/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.66	\$11.49	\$21.62	\$0.00	\$57.77
2	60	\$29.59	\$11.49	\$21.62	\$0.00	\$62.70
3	70	\$34.52	\$11.49	\$21.62	\$0.00	\$67.63
4	80	\$39.46	\$11.49	\$21.62	\$0.00	\$72.57
5	90	\$44.39	\$11.49	\$21.62	\$0.00	\$77.50

Effective Date - 02/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$25.18	\$11.49	\$21.62	\$0.00	\$58.29
2	60	\$30.22	\$11.49	\$21.62	\$0.00	\$63.33
3	70	\$35.25	\$11.49	\$21.62	\$0.00	\$68.36
4	80	\$40.29	\$11.49	\$21.62	\$0.00	\$73.40
5	90	\$45.32	\$11.49	\$21.62	\$0.00	\$78.43

Notes:

Apprentice to Journeyworker Ratio:1:3

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
MARBLE MASONS, TILELAYERS & TERRAZZO MECH	08/01/2024	\$64.52	\$11.49	\$23.56	\$0.00	\$99.57
BRICKLAYERS LOCAL 3 - MARBLE & TILE	02/01/2025	\$65.82	\$11.49	\$23.56	\$0.00	\$100.87
	08/01/2025	\$67.97	\$11.49	\$23.56	\$0.00	\$103.02
	02/01/2026	\$69.32	\$11.49	\$23.56	\$0.00	\$104.37
	08/01/2026	\$71.52	\$11.49	\$23.56	\$0.00	\$106.57
	02/01/2027	\$72.92	\$11.49	\$23.56	\$0.00	\$107.97

Classification Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - MARBLE-TILE-TERRAZZO MECHANIC - Local 3 Marble & Tile

Effective Date - 08/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$32.26	\$11.49	\$23.56	\$0.00	\$67.31
2	60	\$38.71	\$11.49	\$23.56	\$0.00	\$73.76
3	70	\$45.16	\$11.49	\$23.56	\$0.00	\$80.21
4	80	\$51.62	\$11.49	\$23.56	\$0.00	\$86.67
5	90	\$58.07	\$11.49	\$23.56	\$0.00	\$93.12

Effective Date - 02/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$32.91	\$11.49	\$23.56	\$0.00	\$67.96
2	60	\$39.49	\$11.49	\$23.56	\$0.00	\$74.54
3	70	\$46.07	\$11.49	\$23.56	\$0.00	\$81.12
4	80	\$52.66	\$11.49	\$23.56	\$0.00	\$87.71
5	90	\$59.24	\$11.49	\$23.56	\$0.00	\$94.29

Notes:

Apprentice to Journeyworker Ratio:1:5

MECH. SWEEPER OPERATOR (ON CONST. SITES) OPERATING ENGINEERS LOCAL 4	06/01/2024	\$55.41	\$15.30	\$16.40	\$0.00	\$87.11
	12/01/2024	\$56.85	\$15.30	\$16.40	\$0.00	\$88.55
	06/01/2025	\$58.13	\$15.30	\$16.40	\$0.00	\$89.83
	12/01/2025	\$59.57	\$15.30	\$16.40	\$0.00	\$91.27
	06/01/2026	\$60.85	\$15.30	\$16.40	\$0.00	\$92.55
	12/01/2026	\$62.29	\$15.30	\$16.40	\$0.00	\$93.99
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
MECHANICS MAINTENANCE OPERATING ENGINEERS LOCAL 4	06/01/2024	\$55.41	\$15.30	\$16.40	\$0.00	\$87.11
	12/01/2024	\$56.85	\$15.30	\$16.40	\$0.00	\$88.55
	06/01/2025	\$58.13	\$15.30	\$16.40	\$0.00	\$89.83
	12/01/2025	\$59.57	\$15.30	\$16.40	\$0.00	\$91.27
	06/01/2026	\$60.85	\$15.30	\$16.40	\$0.00	\$92.55
	12/01/2026	\$62.29	\$15.30	\$16.40	\$0.00	\$93.99
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
MILLWRIGHT (Zone 1) MILLWRIGHTS LOCAL 1121 - Zone 1	01/01/2024	\$48.03	\$10.08	\$21.72	\$0.00	\$79.83
	01/06/2025	\$50.53	\$10.08	\$21.72	\$0.00	\$82.33
	01/05/2026	\$53.03	\$10.08	\$21.72	\$0.00	\$84.83

Classification Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - MILLWRIGHT - Local 1121 Zone 1

Effective Date - 01/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$26.42	\$10.08	\$5.64	\$0.00	\$42.14
2	65	\$31.22	\$10.08	\$6.66	\$0.00	\$47.96
3	75	\$36.02	\$10.08	\$19.16	\$0.00	\$65.26
4	85	\$40.83	\$10.08	\$20.18	\$0.00	\$71.09

Effective Date - 01/06/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$27.79	\$10.08	\$5.64	\$0.00	\$43.51
2	65	\$32.84	\$10.08	\$6.66	\$0.00	\$49.58
3	75	\$37.90	\$10.08	\$19.16	\$0.00	\$67.14
4	85	\$42.95	\$10.08	\$20.18	\$0.00	\$73.21

Notes: Step 1&2 Appr. indentured after 1/6/2020 receive no pension, but do receive annuity. (Step 1 \$5.72, Step 2 \$6.66)
Steps are 2,000 hours

Apprentice to Journeyworker Ratio:1:4

MORTAR MIXER LABORERS - ZONE 1	06/01/2024	\$45.63	\$9.65	\$18.40	\$0.00	\$73.68
	12/01/2024	\$47.10	\$9.65	\$18.40	\$0.00	\$75.15
	06/01/2025	\$48.60	\$9.65	\$18.40	\$0.00	\$76.65
	12/01/2025	\$50.10	\$9.65	\$18.40	\$0.00	\$78.15
	06/01/2026	\$51.65	\$9.65	\$18.40	\$0.00	\$79.70
	12/01/2026	\$53.15	\$9.65	\$18.40	\$0.00	\$81.20
	06/01/2027	\$54.75	\$9.65	\$18.40	\$0.00	\$82.80
	12/01/2027	\$56.35	\$9.65	\$18.40	\$0.00	\$84.40
	06/01/2028	\$58.03	\$9.65	\$18.40	\$0.00	\$86.08
	12/01/2028	\$59.70	\$9.65	\$18.40	\$0.00	\$87.75

For apprentice rates see "Apprentice- LABORER"

OILER (OTHER THAN TRUCK CRANES,GRADALLS) OPERATING ENGINEERS LOCAL 4	06/01/2024	\$24.71	\$15.30	\$16.40	\$0.00	\$56.41
	12/01/2024	\$25.37	\$15.30	\$16.40	\$0.00	\$57.07
	06/01/2025	\$25.97	\$15.30	\$16.40	\$0.00	\$57.67
	12/01/2025	\$26.63	\$15.30	\$16.40	\$0.00	\$58.33
	06/01/2026	\$27.22	\$15.30	\$16.40	\$0.00	\$58.92
	12/01/2026	\$27.89	\$15.30	\$16.40	\$0.00	\$59.59

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

OILER (TRUCK CRANES, GRADALLS) OPERATING ENGINEERS LOCAL 4	06/01/2024	\$30.28	\$15.30	\$16.40	\$0.00	\$61.98
	12/01/2024	\$31.08	\$15.30	\$16.40	\$0.00	\$62.78
	06/01/2025	\$31.80	\$15.30	\$16.40	\$0.00	\$63.50
	12/01/2025	\$32.60	\$15.30	\$16.40	\$0.00	\$64.30
	06/01/2026	\$33.32	\$15.30	\$16.40	\$0.00	\$65.02
	12/01/2026	\$34.12	\$15.30	\$16.40	\$0.00	\$65.82

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

Issue Date: 10/04/2024

Wage Request Number: 20241003-054

Page 27 of 44

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
OTHER POWER DRIVEN EQUIPMENT - CLASS II <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2024	\$55.41	\$15.30	\$16.40	\$0.00	\$87.11
	12/01/2024	\$56.85	\$15.30	\$16.40	\$0.00	\$88.55
	06/01/2025	\$58.13	\$15.30	\$16.40	\$0.00	\$89.83
	12/01/2025	\$59.57	\$15.30	\$16.40	\$0.00	\$91.27
	06/01/2026	\$60.85	\$15.30	\$16.40	\$0.00	\$92.55
	12/01/2026	\$62.29	\$15.30	\$16.40	\$0.00	\$93.99
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PAINTER (BRIDGES/TANKS) <i>PAINTERS LOCAL 35 - ZONE 2</i>	07/01/2024	\$57.26	\$9.95	\$23.95	\$0.00	\$91.16
	01/01/2025	\$58.46	\$9.95	\$23.95	\$0.00	\$92.36

Apprentice - PAINTER Local 35 - BRIDGES/TANKS

Effective Date - 07/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$28.63	\$9.95	\$0.00	\$0.00	\$38.58
2	55	\$31.49	\$9.95	\$6.66	\$0.00	\$48.10
3	60	\$34.36	\$9.95	\$7.26	\$0.00	\$51.57
4	65	\$37.22	\$9.95	\$7.87	\$0.00	\$55.04
5	70	\$40.08	\$9.95	\$20.32	\$0.00	\$70.35
6	75	\$42.95	\$9.95	\$20.93	\$0.00	\$73.83
7	80	\$45.81	\$9.95	\$21.53	\$0.00	\$77.29
8	90	\$51.53	\$9.95	\$22.74	\$0.00	\$84.22

Effective Date - 01/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$29.23	\$9.95	\$0.00	\$0.00	\$39.18
2	55	\$32.15	\$9.95	\$6.66	\$0.00	\$48.76
3	60	\$35.08	\$9.95	\$7.26	\$0.00	\$52.29
4	65	\$38.00	\$9.95	\$7.87	\$0.00	\$55.82
5	70	\$40.92	\$9.95	\$20.32	\$0.00	\$71.19
6	75	\$43.85	\$9.95	\$20.93	\$0.00	\$74.73
7	80	\$46.77	\$9.95	\$21.53	\$0.00	\$78.25
8	90	\$52.61	\$9.95	\$22.74	\$0.00	\$85.30

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER (SPRAY OR SANDBLAST, NEW) *	07/01/2024	\$48.16	\$9.95	\$23.95	\$0.00	\$82.06
* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. <i>PAINTERS LOCAL 35 - ZONE 2</i>	01/01/2025	\$49.36	\$9.95	\$23.95	\$0.00	\$83.26

Classification Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER Local 35 Zone 2 - Spray/Sandblast - New

Effective Date - 07/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.08	\$9.95	\$0.00	\$0.00	\$34.03
2	55	\$26.49	\$9.95	\$6.66	\$0.00	\$43.10
3	60	\$28.90	\$9.95	\$7.26	\$0.00	\$46.11
4	65	\$31.30	\$9.95	\$7.87	\$0.00	\$49.12
5	70	\$33.71	\$9.95	\$20.32	\$0.00	\$63.98
6	75	\$36.12	\$9.95	\$20.93	\$0.00	\$67.00
7	80	\$38.53	\$9.95	\$21.53	\$0.00	\$70.01
8	90	\$43.34	\$9.95	\$22.74	\$0.00	\$76.03

Effective Date - 01/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.68	\$9.95	\$0.00	\$0.00	\$34.63
2	55	\$27.15	\$9.95	\$6.66	\$0.00	\$43.76
3	60	\$29.62	\$9.95	\$7.26	\$0.00	\$46.83
4	65	\$32.08	\$9.95	\$7.87	\$0.00	\$49.90
5	70	\$34.55	\$9.95	\$20.32	\$0.00	\$64.82
6	75	\$37.02	\$9.95	\$20.93	\$0.00	\$67.90
7	80	\$39.49	\$9.95	\$21.53	\$0.00	\$70.97
8	90	\$44.42	\$9.95	\$22.74	\$0.00	\$77.11

Notes:
Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER (SPRAY OR SANDBLAST, REPAINT)	07/01/2024	\$46.22	\$9.95	\$23.95	\$0.00	\$80.12
PAINTERS LOCAL 35 - ZONE 2	01/01/2025	\$47.42	\$9.95	\$23.95	\$0.00	\$81.32

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER Local 35 Zone 2 - Spray/Sandblast - Repaint

Effective Date - 07/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.11	\$9.95	\$0.00	\$0.00	\$33.06
2	55	\$25.42	\$9.95	\$6.66	\$0.00	\$42.03
3	60	\$27.73	\$9.95	\$7.26	\$0.00	\$44.94
4	65	\$30.04	\$9.95	\$7.87	\$0.00	\$47.86
5	70	\$32.35	\$9.95	\$20.32	\$0.00	\$62.62
6	75	\$34.67	\$9.95	\$20.93	\$0.00	\$65.55
7	80	\$36.98	\$9.95	\$21.53	\$0.00	\$68.46
8	90	\$41.60	\$9.95	\$22.74	\$0.00	\$74.29

Effective Date - 01/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.71	\$9.95	\$0.00	\$0.00	\$33.66
2	55	\$26.08	\$9.95	\$6.66	\$0.00	\$42.69
3	60	\$28.45	\$9.95	\$7.26	\$0.00	\$45.66
4	65	\$30.82	\$9.95	\$7.87	\$0.00	\$48.64
5	70	\$33.19	\$9.95	\$20.32	\$0.00	\$63.46
6	75	\$35.57	\$9.95	\$20.93	\$0.00	\$66.45
7	80	\$37.94	\$9.95	\$21.53	\$0.00	\$69.42
8	90	\$42.68	\$9.95	\$22.74	\$0.00	\$75.37

Notes:
Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER / TAPER (BRUSH, NEW) *	07/01/2024	\$46.76	\$9.95	\$23.95	\$0.00	\$80.66
* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. PAINTERS LOCAL 35 - ZONE 2	01/01/2025	\$47.96	\$9.95	\$23.95	\$0.00	\$81.86

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER - Local 35 Zone 2 - BRUSH NEW

Effective Date - 07/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.38	\$9.95	\$0.00	\$0.00	\$33.33
2	55	\$25.72	\$9.95	\$6.66	\$0.00	\$42.33
3	60	\$28.06	\$9.95	\$7.26	\$0.00	\$45.27
4	65	\$30.39	\$9.95	\$7.87	\$0.00	\$48.21
5	70	\$32.73	\$9.95	\$20.32	\$0.00	\$63.00
6	75	\$35.07	\$9.95	\$20.93	\$0.00	\$65.95
7	80	\$37.41	\$9.95	\$21.53	\$0.00	\$68.89
8	90	\$42.08	\$9.95	\$22.74	\$0.00	\$74.77

Effective Date - 01/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.98	\$9.95	\$0.00	\$0.00	\$33.93
2	55	\$26.38	\$9.95	\$6.66	\$0.00	\$42.99
3	60	\$28.78	\$9.95	\$7.26	\$0.00	\$45.99
4	65	\$31.17	\$9.95	\$7.87	\$0.00	\$48.99
5	70	\$33.57	\$9.95	\$20.32	\$0.00	\$63.84
6	75	\$35.97	\$9.95	\$20.93	\$0.00	\$66.85
7	80	\$38.37	\$9.95	\$21.53	\$0.00	\$69.85
8	90	\$43.16	\$9.95	\$22.74	\$0.00	\$75.85

Notes:
Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER / TAPER (BRUSH, REPAINT)	07/01/2024	\$44.82	\$9.95	\$23.95	\$0.00	\$78.72
PAINTERS LOCAL 35 - ZONE 2	01/01/2025	\$46.02	\$9.95	\$23.95	\$0.00	\$79.92

Classification Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER Local 35 Zone 2 - BRUSH REPAINT

Effective Date - 07/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$22.41	\$9.95	\$0.00	\$0.00	\$32.36
2	55	\$24.65	\$9.95	\$6.66	\$0.00	\$41.26
3	60	\$26.89	\$9.95	\$7.26	\$0.00	\$44.10
4	65	\$29.13	\$9.95	\$7.87	\$0.00	\$46.95
5	70	\$31.37	\$9.95	\$20.32	\$0.00	\$61.64
6	75	\$33.62	\$9.95	\$20.93	\$0.00	\$64.50
7	80	\$35.86	\$9.95	\$21.53	\$0.00	\$67.34
8	90	\$40.34	\$9.95	\$22.74	\$0.00	\$73.03

Effective Date - 01/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.01	\$9.95	\$0.00	\$0.00	\$32.96
2	55	\$25.31	\$9.95	\$6.66	\$0.00	\$41.92
3	60	\$27.61	\$9.95	\$7.26	\$0.00	\$44.82
4	65	\$29.91	\$9.95	\$7.87	\$0.00	\$47.73
5	70	\$32.21	\$9.95	\$20.32	\$0.00	\$62.48
6	75	\$34.52	\$9.95	\$20.93	\$0.00	\$65.40
7	80	\$36.82	\$9.95	\$21.53	\$0.00	\$68.30
8	90	\$41.42	\$9.95	\$22.74	\$0.00	\$74.11

Notes:
Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER TRAFFIC MARKINGS (HEAVY/HIGHWAY)	06/01/2024	\$45.48	\$9.65	\$18.40	\$0.00	\$73.53
LABORERS - ZONE 1 (HEAVY & HIGHWAY)	12/01/2024	\$46.95	\$9.65	\$18.40	\$0.00	\$75.00
	06/01/2025	\$48.45	\$9.65	\$18.40	\$0.00	\$76.50
	12/01/2025	\$49.95	\$9.65	\$18.40	\$0.00	\$78.00
	06/01/2026	\$51.50	\$9.65	\$18.40	\$0.00	\$79.55
	12/01/2026	\$53.00	\$9.65	\$18.40	\$0.00	\$81.05

For apprentice rates see "Apprentice- LABORER (Heavy and Highway)

PANEL & PICKUP TRUCKS DRIVER	08/01/2024	\$40.88	\$14.91	\$18.67	\$0.00	\$74.46
TEAMSTERS JOINT COUNCIL NO. 10 ZONE A	12/01/2024	\$40.88	\$14.91	\$20.17	\$0.00	\$75.96
	06/01/2025	\$41.88	\$14.91	\$20.17	\$0.00	\$76.96
	08/01/2025	\$41.88	\$15.41	\$20.17	\$0.00	\$77.46
	12/01/2025	\$41.88	\$15.41	\$21.78	\$0.00	\$79.07
	06/01/2026	\$42.88	\$15.41	\$21.78	\$0.00	\$80.07
	08/01/2026	\$42.88	\$15.91	\$21.78	\$0.00	\$80.57
	12/01/2026	\$42.88	\$15.91	\$23.52	\$0.00	\$82.31

PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK)	08/01/2020	\$49.07	\$9.40	\$23.12	\$0.00	\$81.59
PILE DRIVER LOCAL 56 (ZONE 1)						
For apprentice rates see "Apprentice- PILE DRIVER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
PILE DRIVER <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2020	\$49.07	\$9.40	\$23.12	\$0.00	\$81.59

Apprentice - PILE DRIVER - Local 56 Zone 1
Effective Date - 08/01/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.54	\$9.40	\$23.12	\$0.00	\$57.06
2	60	\$29.44	\$9.40	\$23.12	\$0.00	\$61.96
3	70	\$34.35	\$9.40	\$23.12	\$0.00	\$66.87
4	75	\$36.80	\$9.40	\$23.12	\$0.00	\$69.32
5	80	\$39.26	\$9.40	\$23.12	\$0.00	\$71.78
6	80	\$39.26	\$9.40	\$23.12	\$0.00	\$71.78
7	90	\$44.16	\$9.40	\$23.12	\$0.00	\$76.68
8	90	\$44.16	\$9.40	\$23.12	\$0.00	\$76.68

Notes:
 % Indentured After 10/1/17; 45/45/55/55/70/70/80/80
 Step 1&2 \$34.01/ 3&4 \$41.46/ 5&6 \$62.80/ 7&8 \$69.25

Apprentice to Journeyworker Ratio:1:5

PIPEFITTER & STEAMFITTER <i>PIPEFITTERS LOCAL 537</i>	09/01/2024	\$67.08	\$12.70	\$21.80	\$0.00	\$101.58
	03/01/2025	\$68.88	\$12.70	\$21.80	\$0.00	\$103.38

Apprentice - PIPEFITTER - Local 537
Effective Date - 09/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$26.83	\$12.70	\$9.05	\$0.00	\$48.58
2	45	\$30.19	\$12.70	\$21.80	\$0.00	\$64.69
3	60	\$40.25	\$12.70	\$21.80	\$0.00	\$74.75
4	70	\$46.96	\$12.70	\$21.80	\$0.00	\$81.46
5	80	\$53.66	\$12.70	\$21.80	\$0.00	\$88.16

Effective Date - 03/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$27.55	\$12.70	\$9.05	\$0.00	\$49.30
2	45	\$31.00	\$12.70	\$21.80	\$0.00	\$65.50
3	60	\$41.33	\$12.70	\$21.80	\$0.00	\$75.83
4	70	\$48.22	\$12.70	\$21.80	\$0.00	\$82.72
5	80	\$55.10	\$12.70	\$21.80	\$0.00	\$89.60

Notes:
 ** 1:3; 3:15; 1:10 thereafter / Steps are 1 yr.
 Refrig/AC Mechanic **1:1;1:2;2:4;3:6;4:8;5:10;6:12;7:14;8:17;9:20;10:23(Max)

Apprentice to Journeyworker Ratio:**

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
PIPELAYER <i>LABORERS - ZONE 1</i>	06/01/2024	\$45.63	\$9.65	\$18.40	\$0.00	\$73.68
	12/01/2024	\$47.10	\$9.65	\$18.40	\$0.00	\$75.15
	06/01/2025	\$48.60	\$9.65	\$18.40	\$0.00	\$76.65
	12/01/2025	\$50.10	\$9.65	\$18.40	\$0.00	\$78.15
	06/01/2026	\$51.65	\$9.65	\$18.40	\$0.00	\$79.70
	12/01/2026	\$53.15	\$9.65	\$18.40	\$0.00	\$81.20
	06/01/2027	\$54.75	\$9.65	\$18.40	\$0.00	\$82.80
	12/01/2027	\$56.35	\$9.65	\$18.40	\$0.00	\$84.40
	06/01/2028	\$58.03	\$9.65	\$18.40	\$0.00	\$86.08
	12/01/2028	\$59.70	\$9.65	\$18.40	\$0.00	\$87.75
For apprentice rates see "Apprentice- LABORER"						
PIPELAYER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 1 (HEAVY & HIGHWAY)</i>	06/01/2024	\$45.73	\$9.65	\$18.40	\$0.00	\$73.78
	12/01/2024	\$47.20	\$9.65	\$18.40	\$0.00	\$75.25
	06/01/2025	\$48.70	\$9.65	\$18.40	\$0.00	\$76.75
	12/01/2025	\$50.20	\$9.65	\$18.40	\$0.00	\$78.25
	06/01/2026	\$51.75	\$9.65	\$18.40	\$0.00	\$79.80
	12/01/2026	\$53.25	\$9.65	\$18.40	\$0.00	\$81.30
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
PLUMBERS & GASFITTERS <i>PLUMBERS & GASFITTERS LOCAL 12</i>	09/01/2024	\$69.04	\$14.32	\$19.61	\$0.00	\$102.97
	03/02/2025	\$70.84	\$14.32	\$19.61	\$0.00	\$104.77

Apprentice - PLUMBER/GASFITTER - Local 12

Effective Date - 09/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$24.16	\$14.32	\$7.06	\$0.00	\$45.54
2	40	\$27.62	\$14.32	\$8.02	\$0.00	\$49.96
3	55	\$37.97	\$14.32	\$10.93	\$0.00	\$63.22
4	65	\$44.88	\$14.32	\$12.86	\$0.00	\$72.06
5	75	\$51.78	\$14.32	\$14.79	\$0.00	\$80.89

Effective Date - 03/02/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$24.79	\$14.32	\$7.06	\$0.00	\$46.17
2	40	\$28.34	\$14.32	\$8.02	\$0.00	\$50.68
3	55	\$38.96	\$14.32	\$10.93	\$0.00	\$64.21
4	65	\$46.05	\$14.32	\$12.86	\$0.00	\$73.23
5	75	\$53.13	\$14.32	\$14.79	\$0.00	\$82.24

Notes:

** 1:2; 2:6; 3:10; 4:14; 5:19/Steps are 1 yr
Step4 with lic\$69.00, Step5 with lic\$76.87

Apprentice to Journeyworker Ratio:**

PNEUMATIC CONTROLS (TEMP.) <i>PIPEFITTERS LOCAL 537</i>	09/01/2024	\$67.08	\$12.70	\$21.80	\$0.00	\$101.58
	03/01/2025	\$68.88	\$12.70	\$21.80	\$0.00	\$103.38

For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"

Issue Date: 10/04/2024

Wage Request Number: 20241003-054

Page 34 of 44

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
PNEUMATIC DRILL/TOOL OPERATOR <i>LABORERS - ZONE 1</i>	06/01/2024	\$45.63	\$9.65	\$18.40	\$0.00	\$73.68
	12/01/2024	\$47.10	\$9.65	\$18.40	\$0.00	\$75.15
	06/01/2025	\$48.60	\$9.65	\$18.40	\$0.00	\$76.65
	12/01/2025	\$50.10	\$9.65	\$18.40	\$0.00	\$78.15
	06/01/2026	\$51.65	\$9.65	\$18.40	\$0.00	\$79.70
	12/01/2026	\$53.15	\$9.65	\$18.40	\$0.00	\$81.20
	06/01/2027	\$54.75	\$9.65	\$18.40	\$0.00	\$82.80
	12/01/2027	\$56.35	\$9.65	\$18.40	\$0.00	\$84.40
	06/01/2028	\$58.03	\$9.65	\$18.40	\$0.00	\$86.08
	12/01/2028	\$59.70	\$9.65	\$18.40	\$0.00	\$87.75
For apprentice rates see "Apprentice- LABORER"						
PNEUMATIC DRILL/TOOL OPERATOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 1 (HEAVY & HIGHWAY)</i>	06/01/2024	\$45.73	\$9.65	\$18.40	\$0.00	\$73.78
	12/01/2024	\$47.20	\$9.65	\$18.40	\$0.00	\$75.25
	06/01/2025	\$48.70	\$9.65	\$18.40	\$0.00	\$76.75
	12/01/2025	\$50.20	\$9.65	\$18.40	\$0.00	\$78.25
	06/01/2026	\$51.75	\$9.65	\$18.40	\$0.00	\$79.80
	12/01/2026	\$53.25	\$9.65	\$18.40	\$0.00	\$81.30
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
POWDERMAN & BLASTER <i>LABORERS - ZONE 1</i>	06/01/2024	\$46.38	\$9.65	\$18.40	\$0.00	\$74.43
	12/01/2024	\$47.85	\$9.65	\$18.40	\$0.00	\$75.90
	06/01/2025	\$49.35	\$9.65	\$18.40	\$0.00	\$77.40
	12/01/2025	\$50.85	\$9.65	\$18.40	\$0.00	\$78.90
	06/01/2026	\$52.40	\$9.65	\$18.40	\$0.00	\$80.45
	12/01/2026	\$53.90	\$9.65	\$18.40	\$0.00	\$81.95
	06/01/2027	\$55.50	\$9.65	\$18.40	\$0.00	\$83.55
	12/01/2027	\$57.10	\$9.65	\$18.40	\$0.00	\$85.15
	06/01/2028	\$58.78	\$9.65	\$18.40	\$0.00	\$86.83
	12/01/2028	\$60.45	\$9.65	\$18.40	\$0.00	\$88.50
For apprentice rates see "Apprentice- LABORER"						
POWDERMAN & BLASTER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 1 (HEAVY & HIGHWAY)</i>	06/01/2024	\$46.48	\$9.65	\$18.40	\$0.00	\$74.53
	12/01/2024	\$47.95	\$9.65	\$18.40	\$0.00	\$76.00
	06/01/2025	\$49.45	\$9.65	\$18.40	\$0.00	\$77.50
	12/01/2025	\$50.95	\$9.65	\$18.40	\$0.00	\$79.00
	06/01/2026	\$52.50	\$9.65	\$18.40	\$0.00	\$80.55
	12/01/2026	\$54.00	\$9.65	\$18.40	\$0.00	\$82.05
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
POWER SHOVEL/DERRICK/TRENCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2024	\$56.03	\$15.30	\$16.40	\$0.00	\$87.73
	12/01/2024	\$57.48	\$15.30	\$16.40	\$0.00	\$89.18
	06/01/2025	\$58.78	\$15.30	\$16.40	\$0.00	\$90.48
	12/01/2025	\$60.23	\$15.30	\$16.40	\$0.00	\$91.93
	06/01/2026	\$61.53	\$15.30	\$16.40	\$0.00	\$93.23
	12/01/2026	\$62.98	\$15.30	\$16.40	\$0.00	\$94.68
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
PUMP OPERATOR (CONCRETE) <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2024	\$55.41	\$15.30	\$16.40	\$0.00	\$87.11
	12/01/2024	\$56.85	\$15.30	\$16.40	\$0.00	\$88.55
	06/01/2025	\$58.13	\$15.30	\$16.40	\$0.00	\$89.83
	12/01/2025	\$59.57	\$15.30	\$16.40	\$0.00	\$91.27
	06/01/2026	\$60.85	\$15.30	\$16.40	\$0.00	\$92.55
	12/01/2026	\$62.29	\$15.30	\$16.40	\$0.00	\$93.99
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (DEWATERING, OTHER) <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2024	\$36.17	\$15.30	\$16.40	\$0.00	\$67.87
	12/01/2024	\$37.12	\$15.30	\$16.40	\$0.00	\$68.82
	06/01/2025	\$37.97	\$15.30	\$16.40	\$0.00	\$69.67
	12/01/2025	\$38.92	\$15.30	\$16.40	\$0.00	\$70.62
	06/01/2026	\$39.78	\$15.30	\$16.40	\$0.00	\$71.48
	12/01/2026	\$40.73	\$15.30	\$16.40	\$0.00	\$72.43
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
READY-MIX CONCRETE DRIVER <i>TEAMSTERS 170 - Rosenfeld (Walpole)</i>	05/01/2024	\$30.15	\$13.96	\$8.00	\$0.00	\$52.11
	01/01/2025	\$30.15	\$13.46	\$8.00	\$0.00	\$51.61
	05/01/2025	\$30.90	\$13.46	\$8.25	\$0.00	\$52.61
	01/01/2026	\$30.90	\$13.96	\$8.25	\$0.00	\$53.11
	05/01/2026	\$31.90	\$13.96	\$8.25	\$0.00	\$54.11
	01/01/2027	\$31.90	\$14.46	\$8.25	\$0.00	\$54.61
	05/01/2027	\$32.90	\$14.46	\$8.25	\$0.00	\$55.61
RECLAIMERS <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2024	\$55.41	\$15.30	\$16.40	\$0.00	\$87.11
	12/01/2024	\$56.85	\$15.30	\$16.40	\$0.00	\$88.55
	06/01/2025	\$58.13	\$15.30	\$16.40	\$0.00	\$89.83
	12/01/2025	\$59.57	\$15.30	\$16.40	\$0.00	\$91.27
	06/01/2026	\$60.85	\$15.30	\$16.40	\$0.00	\$92.55
	12/01/2026	\$62.29	\$15.30	\$16.40	\$0.00	\$93.99
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
RIDE-ON MOTORIZED BUGGY OPERATOR <i>LABORERS - ZONE 1</i>	06/01/2024	\$45.63	\$9.65	\$18.40	\$0.00	\$73.68
	12/01/2024	\$47.10	\$9.65	\$18.40	\$0.00	\$75.15
	06/01/2025	\$48.60	\$9.65	\$18.40	\$0.00	\$76.65
	12/01/2025	\$50.10	\$9.65	\$18.40	\$0.00	\$78.15
	06/01/2026	\$51.65	\$9.65	\$18.40	\$0.00	\$79.70
	12/01/2026	\$53.15	\$9.65	\$18.40	\$0.00	\$81.20
	06/01/2027	\$54.75	\$9.65	\$18.40	\$0.00	\$82.80
	12/01/2027	\$56.35	\$9.65	\$18.40	\$0.00	\$84.40
	06/01/2028	\$58.03	\$9.65	\$18.40	\$0.00	\$86.08
12/01/2028	\$59.70	\$9.65	\$18.40	\$0.00	\$87.75	
For apprentice rates see "Apprentice- LABORER"						
ROLLER/SPREADER/MULCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2024	\$55.41	\$15.30	\$16.40	\$0.00	\$87.11
	12/01/2024	\$56.85	\$15.30	\$16.40	\$0.00	\$88.55
	06/01/2025	\$58.13	\$15.30	\$16.40	\$0.00	\$89.83
	12/01/2025	\$59.57	\$15.30	\$16.40	\$0.00	\$91.27
	06/01/2026	\$60.85	\$15.30	\$16.40	\$0.00	\$92.55
	12/01/2026	\$62.29	\$15.30	\$16.40	\$0.00	\$93.99
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
ROOFER (Inc. Roofer Waterproofing & Roofer Damproofg) <i>ROOFERS LOCAL 33</i>	08/01/2024	\$51.03	\$13.03	\$21.70	\$0.00	\$85.76
	02/01/2025	\$52.28	\$13.03	\$21.70	\$0.00	\$87.01
	08/01/2025	\$53.78	\$13.03	\$21.70	\$0.00	\$88.51
	02/01/2026	\$55.03	\$13.03	\$21.70	\$0.00	\$89.76

Apprentice - ROOFER - Local 33

Effective Date - 08/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$25.52	\$13.03	\$6.52	\$0.00	\$45.07
2	60	\$30.62	\$13.03	\$21.70	\$0.00	\$65.35
3	65	\$33.17	\$13.03	\$21.70	\$0.00	\$67.90
4	75	\$38.27	\$13.03	\$21.70	\$0.00	\$73.00
5	85	\$43.38	\$13.03	\$21.70	\$0.00	\$78.11

Effective Date - 02/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$26.14	\$13.03	\$6.52	\$0.00	\$45.69
2	60	\$31.37	\$13.03	\$21.70	\$0.00	\$66.10
3	65	\$33.98	\$13.03	\$21.70	\$0.00	\$68.71
4	75	\$39.21	\$13.03	\$21.70	\$0.00	\$73.94
5	85	\$44.44	\$13.03	\$21.70	\$0.00	\$79.17

Notes: ** 1:5, 2:6-10, the 1:10; Reroofing: 1:4, then 1:1
 Step 1 is 2000 hrs.; Steps 2-5 are 1000 hrs.
 (Hot Pitch Mechanics' receive \$1.00 hr. above ROOFER)

Apprentice to Journeyworker Ratio: **

ROOFER SLATE / TILE / PRECAST CONCRETE <i>ROOFERS LOCAL 33</i>	08/01/2024	\$51.28	\$13.03	\$21.70	\$0.00	\$86.01
	02/01/2025	\$52.53	\$13.03	\$21.70	\$0.00	\$87.26
	08/01/2025	\$54.03	\$13.03	\$21.70	\$0.00	\$88.76
	02/01/2026	\$55.28	\$13.03	\$21.70	\$0.00	\$90.01

For apprentice rates see "Apprentice- ROOFER"

SHEETMETAL WORKER <i>SHEETMETAL WORKERS LOCAL 17 - A</i>	08/01/2024	\$57.94	\$14.75	\$28.12	\$2.98	\$103.79
	02/01/2025	\$59.69	\$14.75	\$28.12	\$2.98	\$105.54
	08/01/2025	\$61.54	\$14.75	\$28.12	\$2.98	\$107.39
	02/01/2026	\$63.49	\$14.75	\$28.12	\$2.98	\$109.34

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - SHEET METAL WORKER - Local 17-A

Effective Date - 08/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	42	\$24.33	\$14.75	\$6.13	\$0.00	\$45.21
2	42	\$24.33	\$14.75	\$6.13	\$0.00	\$45.21
3	47	\$27.23	\$14.75	\$12.11	\$1.63	\$55.72
4	47	\$27.23	\$14.75	\$12.11	\$1.63	\$55.72
5	52	\$30.13	\$14.75	\$13.09	\$1.75	\$59.72
6	52	\$30.13	\$14.75	\$13.34	\$1.76	\$59.98
7	60	\$34.76	\$14.75	\$14.75	\$1.94	\$66.20
8	65	\$37.66	\$14.75	\$15.73	\$2.06	\$70.20
9	75	\$43.46	\$14.75	\$17.69	\$2.30	\$78.20
10	85	\$49.25	\$14.75	\$19.15	\$2.52	\$85.67

Effective Date - 02/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	42	\$25.07	\$14.75	\$6.13	\$0.00	\$45.95
2	42	\$25.07	\$14.75	\$6.13	\$0.00	\$45.95
3	47	\$28.05	\$14.75	\$12.11	\$1.66	\$56.57
4	47	\$28.05	\$14.75	\$12.11	\$1.66	\$56.57
5	52	\$31.04	\$14.75	\$13.09	\$1.78	\$60.66
6	52	\$31.04	\$14.75	\$13.34	\$1.79	\$60.92
7	60	\$35.81	\$14.75	\$14.75	\$1.97	\$67.28
8	65	\$38.80	\$14.75	\$15.73	\$2.09	\$71.37
9	75	\$44.77	\$14.75	\$17.69	\$2.33	\$79.54
10	85	\$50.74	\$14.75	\$19.15	\$2.56	\$87.20

Notes:
Steps are 6 mos.

Apprentice to Journeyworker Ratio:1:4

SPECIALIZED EARTH MOVING EQUIP < 35 TONS	08/01/2024	\$41.34	\$14.91	\$18.67	\$0.00	\$74.92
TEAMSTERS JOINT COUNCIL NO. 10 ZONE A	12/01/2024	\$41.34	\$14.91	\$20.17	\$0.00	\$76.42
	06/01/2025	\$42.34	\$14.91	\$20.17	\$0.00	\$77.42
	08/01/2025	\$42.34	\$15.41	\$20.17	\$0.00	\$77.92
	12/01/2025	\$42.34	\$15.41	\$21.78	\$0.00	\$79.53
	06/01/2026	\$43.34	\$15.41	\$21.78	\$0.00	\$80.53
	08/01/2026	\$43.34	\$15.91	\$21.78	\$0.00	\$81.03
	12/01/2026	\$43.34	\$15.91	\$23.52	\$0.00	\$82.77

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
SPECIALIZED EARTH MOVING EQUIP > 35 TONS <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i>	08/01/2024	\$41.63	\$14.91	\$18.67	\$0.00	\$75.21
	12/01/2024	\$41.63	\$14.91	\$20.17	\$0.00	\$76.71
	06/01/2025	\$42.63	\$14.91	\$20.17	\$0.00	\$77.71
	08/01/2025	\$42.63	\$15.41	\$20.17	\$0.00	\$78.21
	12/01/2025	\$42.63	\$15.41	\$21.78	\$0.00	\$79.82
	06/01/2026	\$43.63	\$15.41	\$21.78	\$0.00	\$80.82
	08/01/2026	\$43.63	\$15.91	\$21.78	\$0.00	\$81.32
	12/01/2026	\$43.63	\$15.91	\$23.52	\$0.00	\$83.06
SPRINKLER FITTER <i>SPRINKLER FITTERS LOCAL 550 - (Section A) Zone 1</i>	10/01/2024	\$70.84	\$11.51	\$23.30	\$0.00	\$105.65
	03/01/2025	\$72.64	\$11.51	\$23.30	\$0.00	\$107.45

Apprentice - SPRINKLER FITTER - Local 550 (Section A) Zone 1

Effective Date - 10/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$24.79	\$11.51	\$12.90	\$0.00	\$49.20
2	40	\$28.34	\$11.51	\$13.70	\$0.00	\$53.55
3	45	\$31.88	\$11.51	\$14.50	\$0.00	\$57.89
4	50	\$35.42	\$11.51	\$15.30	\$0.00	\$62.23
5	55	\$38.96	\$11.51	\$16.10	\$0.00	\$66.57
6	60	\$42.50	\$11.51	\$16.90	\$0.00	\$70.91
7	65	\$46.05	\$11.51	\$17.70	\$0.00	\$75.26
8	70	\$49.59	\$11.51	\$18.50	\$0.00	\$79.60
9	75	\$53.13	\$11.51	\$19.30	\$0.00	\$83.94
10	80	\$56.67	\$11.51	\$20.10	\$0.00	\$88.28

Effective Date - 03/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$25.42	\$11.51	\$12.90	\$0.00	\$49.83
2	40	\$29.06	\$11.51	\$13.70	\$0.00	\$54.27
3	45	\$32.69	\$11.51	\$14.50	\$0.00	\$58.70
4	50	\$36.32	\$11.51	\$15.30	\$0.00	\$63.13
5	55	\$39.95	\$11.51	\$16.10	\$0.00	\$67.56
6	60	\$43.58	\$11.51	\$16.90	\$0.00	\$71.99
7	65	\$47.22	\$11.51	\$17.70	\$0.00	\$76.43
8	70	\$50.85	\$11.51	\$18.50	\$0.00	\$80.86
9	75	\$54.48	\$11.51	\$19.30	\$0.00	\$85.29
10	80	\$58.11	\$11.51	\$20.10	\$0.00	\$89.72

Notes: Apprentice entered prior 9/30/10:
40/45/50/55/60/65/70/75/80/85
Steps are 850 hours

Apprentice to Journeyworker Ratio:1:3

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
STEAM BOILER OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2024	\$55.41	\$15.30	\$16.40	\$0.00	\$87.11
	12/01/2024	\$56.85	\$15.30	\$16.40	\$0.00	\$88.55
	06/01/2025	\$58.13	\$15.30	\$16.40	\$0.00	\$89.83
	12/01/2025	\$59.57	\$15.30	\$16.40	\$0.00	\$91.27
	06/01/2026	\$60.85	\$15.30	\$16.40	\$0.00	\$92.55
	12/01/2026	\$62.29	\$15.30	\$16.40	\$0.00	\$93.99
	For apprentice rates see "Apprentice- OPERATING ENGINEERS"					
TAMPERS, SELF-PROPELLED OR TRACTOR DRAWN <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2024	\$55.41	\$15.30	\$16.40	\$0.00	\$87.11
	12/01/2024	\$56.85	\$15.30	\$16.40	\$0.00	\$88.55
	06/01/2025	\$58.13	\$15.30	\$16.40	\$0.00	\$89.83
	12/01/2025	\$59.57	\$15.30	\$16.40	\$0.00	\$91.27
	06/01/2026	\$60.85	\$15.30	\$16.40	\$0.00	\$92.55
	12/01/2026	\$62.29	\$15.30	\$16.40	\$0.00	\$93.99
	For apprentice rates see "Apprentice- OPERATING ENGINEERS"					
TELECOMMUNICATION TECHNICIAN <i>ELECTRICIANS LOCAL 103</i>	09/01/2024	\$51.02	\$13.00	\$20.24	\$0.00	\$84.26
	03/01/2025	\$51.98	\$13.00	\$20.27	\$0.00	\$85.25
	09/01/2025	\$53.51	\$13.00	\$20.32	\$0.00	\$86.83
	03/01/2026	\$54.47	\$13.00	\$20.34	\$0.00	\$87.81
	09/01/2026	\$56.00	\$13.00	\$20.39	\$0.00	\$89.39
	03/01/2027	\$56.95	\$13.00	\$20.42	\$0.00	\$90.37
	09/01/2027	\$58.49	\$13.00	\$20.46	\$0.00	\$91.95
	03/01/2028	\$59.45	\$13.00	\$20.49	\$0.00	\$92.94

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - TELECOMMUNICATION TECHNICIAN - Local 103

Effective Date - 09/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	45	\$22.96	\$13.00	\$0.69	\$0.00	\$36.65
2	45	\$22.96	\$13.00	\$0.69	\$0.00	\$36.65
3	50	\$25.51	\$13.00	\$16.16	\$0.00	\$54.67
4	50	\$25.51	\$13.00	\$16.16	\$0.00	\$54.67
5	55	\$28.06	\$13.00	\$16.57	\$0.00	\$57.63
6	60	\$30.61	\$13.00	\$16.97	\$0.00	\$60.58
7	65	\$33.16	\$13.00	\$17.38	\$0.00	\$63.54
8	70	\$35.71	\$13.00	\$17.78	\$0.00	\$66.49
9	75	\$38.27	\$13.00	\$18.18	\$0.00	\$69.45
10	80	\$40.82	\$13.00	\$18.58	\$0.00	\$72.40

Effective Date - 03/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	45	\$23.39	\$13.00	\$0.70	\$0.00	\$37.09
2	45	\$23.39	\$13.00	\$0.70	\$0.00	\$37.09
3	50	\$25.99	\$13.00	\$16.16	\$0.00	\$55.15
4	50	\$25.99	\$13.00	\$16.16	\$0.00	\$55.15
5	55	\$28.59	\$13.00	\$16.57	\$0.00	\$58.16
6	60	\$31.19	\$13.00	\$16.97	\$0.00	\$61.16
7	65	\$33.79	\$13.00	\$17.38	\$0.00	\$64.17
8	70	\$36.39	\$13.00	\$17.78	\$0.00	\$67.17
9	75	\$38.99	\$13.00	\$18.18	\$0.00	\$70.17
10	80	\$41.58	\$13.00	\$18.58	\$0.00	\$73.16

Notes:

Apprentice to Journeyworker Ratio:1:1

TERRAZZO FINISHERS	08/01/2024	\$63.44	\$11.49	\$23.59	\$0.00	\$98.52
BRICKLAYERS LOCAL 3 - MARBLE & TILE	02/01/2025	\$64.74	\$11.49	\$23.59	\$0.00	\$99.82
	08/01/2025	\$66.89	\$11.49	\$23.59	\$0.00	\$101.97
	02/01/2026	\$68.24	\$11.49	\$23.59	\$0.00	\$103.32
	08/01/2026	\$70.44	\$11.49	\$23.59	\$0.00	\$105.52
	02/01/2027	\$71.84	\$11.49	\$23.59	\$0.00	\$106.92

Classification Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - TERRAZZO FINISHER - Local 3 Marble & Tile

Effective Date - 08/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$31.72	\$11.49	\$23.59	\$0.00	\$66.80
2	60	\$38.06	\$11.49	\$23.59	\$0.00	\$73.14
3	70	\$44.41	\$11.49	\$23.59	\$0.00	\$79.49
4	80	\$50.75	\$11.49	\$23.59	\$0.00	\$85.83
5	90	\$57.10	\$11.49	\$23.59	\$0.00	\$92.18

Effective Date - 02/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$32.37	\$11.49	\$23.59	\$0.00	\$67.45
2	60	\$38.84	\$11.49	\$23.59	\$0.00	\$73.92
3	70	\$45.32	\$11.49	\$23.59	\$0.00	\$80.40
4	80	\$51.79	\$11.49	\$23.59	\$0.00	\$86.87
5	90	\$58.27	\$11.49	\$23.59	\$0.00	\$93.35

Notes:

Apprentice to Journeyworker Ratio:1:3

TEST BORING DRILLER <i>LABORERS - FOUNDATION AND MARINE</i>	06/01/2024	\$49.81	\$9.65	\$18.22	\$0.00	\$77.68
	12/01/2024	\$51.28	\$9.65	\$18.22	\$0.00	\$79.15
	06/01/2025	\$52.78	\$9.65	\$18.22	\$0.00	\$80.65
	12/01/2025	\$54.28	\$9.65	\$18.22	\$0.00	\$82.15
	06/01/2026	\$55.83	\$9.65	\$18.22	\$0.00	\$83.70
	12/01/2026	\$57.33	\$9.65	\$18.22	\$0.00	\$85.20

For apprentice rates see "Apprentice- LABORER"

TEST BORING DRILLER HELPER <i>LABORERS - FOUNDATION AND MARINE</i>	06/01/2024	\$45.60	\$9.65	\$18.22	\$0.00	\$73.47
	12/01/2024	\$47.07	\$9.65	\$18.22	\$0.00	\$74.94
	06/01/2025	\$48.57	\$9.65	\$18.22	\$0.00	\$76.44
	12/01/2025	\$50.07	\$9.65	\$18.22	\$0.00	\$77.94
	06/01/2026	\$51.62	\$9.65	\$18.22	\$0.00	\$79.49
	12/01/2026	\$53.12	\$9.65	\$18.22	\$0.00	\$80.99

For apprentice rates see "Apprentice- LABORER"

TEST BORING LABORER <i>LABORERS - FOUNDATION AND MARINE</i>	06/01/2024	\$45.48	\$9.65	\$18.22	\$0.00	\$73.35
	12/01/2024	\$46.95	\$9.65	\$18.22	\$0.00	\$74.82
	06/01/2025	\$48.45	\$9.65	\$18.22	\$0.00	\$76.32
	12/01/2025	\$49.95	\$9.65	\$18.22	\$0.00	\$77.82
	06/01/2026	\$51.50	\$9.65	\$18.22	\$0.00	\$79.37
	12/01/2026	\$53.00	\$9.65	\$18.22	\$0.00	\$80.87

For apprentice rates see "Apprentice- LABORER"

Issue Date: 10/04/2024

Wage Request Number: 20241003-054

Page 42 of 44

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TRACTORS/PORTABLE STEAM GENERATORS <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2024	\$55.41	\$15.30	\$16.40	\$0.00	\$87.11
	12/01/2024	\$56.85	\$15.30	\$16.40	\$0.00	\$88.55
	06/01/2025	\$58.13	\$15.30	\$16.40	\$0.00	\$89.83
	12/01/2025	\$59.57	\$15.30	\$16.40	\$0.00	\$91.27
	06/01/2026	\$60.85	\$15.30	\$16.40	\$0.00	\$92.55
	12/01/2026	\$62.29	\$15.30	\$16.40	\$0.00	\$93.99
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
TRAILERS FOR EARTH MOVING EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i>	08/01/2024	\$41.92	\$14.91	\$18.67	\$0.00	\$75.50
	12/01/2024	\$41.92	\$14.91	\$20.17	\$0.00	\$77.00
	06/01/2025	\$42.92	\$14.91	\$20.17	\$0.00	\$78.00
	08/01/2025	\$42.92	\$15.41	\$20.17	\$0.00	\$78.50
	12/01/2025	\$42.92	\$15.41	\$21.78	\$0.00	\$80.11
	06/01/2026	\$43.92	\$15.41	\$21.78	\$0.00	\$81.11
	08/01/2026	\$43.92	\$15.91	\$21.78	\$0.00	\$81.61
	12/01/2026	\$43.92	\$15.91	\$23.52	\$0.00	\$83.35
TUNNEL WORK - COMPRESSED AIR <i>LABORERS (COMPRESSED AIR)</i>	06/01/2024	\$57.71	\$9.65	\$19.00	\$0.00	\$86.36
	12/01/2024	\$59.18	\$9.65	\$19.00	\$0.00	\$87.83
	06/01/2025	\$60.68	\$9.65	\$19.00	\$0.00	\$89.33
	12/01/2025	\$62.18	\$9.65	\$19.00	\$0.00	\$90.83
	06/01/2026	\$63.73	\$9.65	\$19.00	\$0.00	\$92.38
	12/01/2026	\$65.23	\$9.65	\$19.00	\$0.00	\$93.88
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - COMPRESSED AIR (HAZ. WASTE) <i>LABORERS (COMPRESSED AIR)</i>	06/01/2024	\$59.71	\$9.65	\$19.00	\$0.00	\$88.36
	12/01/2024	\$61.18	\$9.65	\$19.00	\$0.00	\$89.83
	06/01/2025	\$62.68	\$9.65	\$19.00	\$0.00	\$91.33
	12/01/2025	\$64.18	\$9.65	\$19.00	\$0.00	\$92.83
	06/01/2026	\$65.73	\$9.65	\$19.00	\$0.00	\$94.38
	12/01/2026	\$67.23	\$9.65	\$19.00	\$0.00	\$95.88
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - FREE AIR <i>LABORERS (FREE AIR TUNNEL)</i>	06/01/2024	\$49.78	\$9.65	\$19.00	\$0.00	\$78.43
	12/01/2024	\$51.25	\$9.65	\$19.00	\$0.00	\$79.90
	06/01/2025	\$52.75	\$9.65	\$19.00	\$0.00	\$81.40
	12/01/2025	\$54.25	\$9.65	\$19.00	\$0.00	\$82.90
	06/01/2026	\$55.80	\$9.65	\$19.00	\$0.00	\$84.45
	12/01/2026	\$57.30	\$9.65	\$19.00	\$0.00	\$85.95
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - FREE AIR (HAZ. WASTE) <i>LABORERS (FREE AIR TUNNEL)</i>	06/01/2024	\$51.78	\$9.65	\$19.00	\$0.00	\$80.43
	12/01/2024	\$53.25	\$9.65	\$19.00	\$0.00	\$81.90
	06/01/2025	\$54.75	\$9.65	\$19.00	\$0.00	\$83.40
	12/01/2025	\$56.25	\$9.65	\$19.00	\$0.00	\$84.90
	06/01/2026	\$57.80	\$9.65	\$19.00	\$0.00	\$86.45
	12/01/2026	\$59.30	\$9.65	\$19.00	\$0.00	\$87.95
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
VAC-HAUL <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i>	08/01/2024	\$41.34	\$14.91	\$18.67	\$0.00	\$74.92
	12/01/2024	\$41.34	\$14.91	\$20.17	\$0.00	\$76.42
	06/01/2025	\$42.34	\$14.91	\$20.17	\$0.00	\$77.42
	08/01/2025	\$42.34	\$15.41	\$20.17	\$0.00	\$77.92
	12/01/2025	\$42.34	\$15.41	\$21.78	\$0.00	\$79.53
	06/01/2026	\$43.34	\$15.41	\$21.78	\$0.00	\$80.53
	08/01/2026	\$43.34	\$15.91	\$21.78	\$0.00	\$81.03
	12/01/2026	\$43.34	\$15.91	\$23.52	\$0.00	\$82.77
WAGON DRILL OPERATOR <i>LABORERS - ZONE 1</i>	06/01/2024	\$45.63	\$9.65	\$18.40	\$0.00	\$73.68
	12/01/2024	\$47.10	\$9.65	\$18.40	\$0.00	\$75.15
	06/01/2025	\$48.60	\$9.65	\$18.40	\$0.00	\$76.65
	12/01/2025	\$50.10	\$9.65	\$18.40	\$0.00	\$78.15
	06/01/2026	\$51.65	\$9.65	\$18.40	\$0.00	\$79.70
	12/01/2026	\$53.15	\$9.65	\$18.40	\$0.00	\$81.20
	06/01/2027	\$54.75	\$9.65	\$18.40	\$0.00	\$82.80
	12/01/2027	\$56.35	\$9.65	\$18.40	\$0.00	\$84.40
	06/01/2028	\$58.03	\$9.65	\$18.40	\$0.00	\$86.08
	12/01/2028	\$59.70	\$9.65	\$18.40	\$0.00	\$87.75
For apprentice rates see "Apprentice- LABORER"						
WAGON DRILL OPERATOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 1 (HEAVY & HIGHWAY)</i>	06/01/2024	\$45.73	\$9.65	\$18.40	\$0.00	\$73.78
	12/01/2024	\$47.20	\$9.65	\$18.40	\$0.00	\$75.25
	06/01/2025	\$48.70	\$9.65	\$18.40	\$0.00	\$76.75
	12/01/2025	\$50.20	\$9.65	\$18.40	\$0.00	\$78.25
	06/01/2026	\$51.75	\$9.65	\$18.40	\$0.00	\$79.80
	12/01/2026	\$53.25	\$9.65	\$18.40	\$0.00	\$81.30
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
WASTE WATER PUMP OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2024	\$56.03	\$15.30	\$16.40	\$0.00	\$87.73
	12/01/2024	\$57.48	\$15.30	\$16.40	\$0.00	\$89.18
	06/01/2025	\$58.78	\$15.30	\$16.40	\$0.00	\$90.48
	12/01/2025	\$60.23	\$15.30	\$16.40	\$0.00	\$91.93
	06/01/2026	\$61.53	\$15.30	\$16.40	\$0.00	\$93.23
	12/01/2026	\$62.98	\$15.30	\$16.40	\$0.00	\$94.68
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
WATER METER INSTALLER <i>PLUMBERS & GASFITTERS LOCAL 12</i>	09/01/2024	\$69.04	\$14.32	\$19.61	\$0.00	\$102.97
	03/02/2025	\$70.84	\$14.32	\$19.61	\$0.00	\$104.77
For apprentice rates see "Apprentice- PLUMBER/PIPEFITTER" or "PLUMBER/GASFITTER"						

Additional Apprentice Information:

Minimum wage rates for apprentices employed on public works projects are listed above as a percentage of the pre-determined hourly wage rate established by the Commissioner under the provisions of the M.G.L. c. 149, ss. 26-27D. Apprentice ratios are established by the Division of Apprenticeship Training pursuant to M.G.L. c. 23, ss. 11E-11L.

All apprentices must be registered with the Division of Apprenticeship Training in accordance with M.G.L. c. 23, ss. 11E-11L.

All steps are six months (1000 hours.)

Ratios are expressed in allowable number of apprentices to journeymen or fraction thereof, unless otherwise specified.

** Multiple ratios are listed in the comment field.

*** APP to JM: 1:1, 2:2, 2:3, 3:4, 4:4, 4:5, 4:6, 5:7, 6:7, 6:8, 6:9, 7:10, 8:10, 8:11, 8:12, 9:13, 10:13, 10:14, etc.

**** APP to JM: 1:1, 1:2, 2:3, 2:4, 3:5, 4:6, 4:7, 5:8, 6:9, 6:10, 7:11, 8:12, 8:13, 9:14, 10:15, 10:16, etc.

Issue Date: 10/04/2024

Wage Request Number: 20241003-054

Page 44 of 44



THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF LABOR
DIVISION OF OCCUPATIONAL SAFETY
PREVAILING WAGE PROGRAM
www.mass.gov/dos/pw

NOTICE: TO AWARDING AUTHORITIES AND CONTRACTORS

ISSUED: SEPTEMBER 1, 2006

DRIVERS WHO HAUL BITUMINOUS CONCRETE (ASPHALT)

The Massachusetts Supreme Judicial Court recently affirmed that drivers who haul bituminous concrete to public construction projects are not covered by the Prevailing Wage Law while off-site, including time spent over-the-road and picking-up materials. These drivers are covered by the Prevailing Wage Law only while on-site at the public construction project.

In Teamsters Joint Council No. 10 v. Department of Labor, et al., 447 Mass. 100 (2006), the SJC upheld a 2001 administrative decision limiting the applicability of prevailing wage rates to the time bituminous drivers spend at the public construction site. This most recent decision of the SJC followed a 1989 ruling that had upheld an earlier Department of Labor (and Industries) policy that had deemed this category of drivers to be "teamsters" under the Law and, therefore, entitled to prevailing wage rates. See Construction Industries of Massachusetts v. Commissioner of Labor and Industries, 406 Mass. 162 (1989). However, the earlier court case had left open the question of whether this entitled these bituminous drivers to prevailing wage rates for their over-the-road time as well as their on-site time. This most recent decision has now answered that question.

All of the requirements of the Prevailing Wage Law, including certified weekly payroll requirements, apply to bituminous drivers for all time spent at the public construction site.

DRIVERS WHO HAUL READY-MIX CONCRETE (CEMENT)

Drivers who haul ready-mix concrete to public construction projects are not covered by the Prevailing Wage Law while off-site, including time spent over-the-road and picking-up materials. These drivers are covered by the Prevailing Wage Law while on-site at the public construction project. This applicability determination was established by a 2001 administrative decision of the Department of Labor's Division of Occupational Safety.

All of the requirements of the Prevailing Wage Law, including certified weekly payroll requirements, apply to ready-mix drivers for all time spent at the public construction site.

Please feel free to contact the Division of Occupational Safety at 617-626-6953 if you have any questions. Questions about enforcement of the Prevailing Wage Law may be directed to the Attorney General's Fair Labor and Business Practices Division at 617-727-3465

The Massachusetts Prevailing Wage Law **M.G.L. ch. 149, §§ 26 – 27**

NOTICE TO AWARDING AUTHORITIES

- 'The enclosed wage schedule applies only to the specific project listed at the top and will be updated for any public construction project lasting longer than one (1) year.
- 'You should request an updated wage schedule from the Division of Occupational Safety if you have not opened bids or selected a contractor within 90 days of the date of issuance of the enclosed wage schedule.
- 'The wage schedule shall be incorporated in any advertisement or call for bids for the project for which it has been issued.
- 'Once a contractor has been selected by the awarding authority, the wage schedule shall be made a part of the contract for that project.

NOTICE TO CONTRACTORS

- The enclosed wage schedule, and any updated schedule, must be posted in a conspicuous place at the work site during the life of the project.
- The wages listed on the enclosed wage schedule must be paid to employees on public works projects regardless of whether they are employed by the prime contractor, a filed sub-bidder, or any sub-contractor.
- The enclosed wage schedule applies to all phases of the project including the final clean up. Contractors whose only role is to perform final clean up must pay their employees according to this wage schedule.
- All apprentices must be registered with the Massachusetts Division of Apprentice Training in order to be paid at the reduced apprentice rates. If a worker is not registered with the Division of Apprentice Training, they must be paid the “total rate” listed on the wage schedule regardless of experience or skill level. For further information, please call (617) 727-3486 or write to the Division of Apprentice Training, 399 Washington Street, 4th Floor, Boston, MA 02108

**WEEKLY PAYROLL RECORDS REPORT
& STATEMENT OF COMPLIANCE**

In accordance with Massachusetts General Law c149, §27B, a true and accurate record must be kept of all persons employed on the public works project for which the enclosed rates have been provided. A Payroll Form has been printed on the reverse of this page and includes all the information required to be kept by law. Every contractor or subcontractor is required to keep these records and preserve them for a period of three years from the date of completion of the contract.

In addition, every contractor and subcontractor is required to submit a copy of their weekly payroll records to the awarding authority. This is required to be done on a weekly basis. Once collected, the awarding authority is also required to preserve those records for three years.

In addition, each such contractor, subcontractor or public body shall furnish to the Department of Labor & Workforce Development/Division of Occupational Safety within fifteen days after completion of its portion of the work a statement, executed by the contractor, subcontractor or public body who supervises the payment of wages, in the following form:

STATEMENT OF COMPLIANCE

_____, 2024

I, _____,

(Name of signatory party) (Title)

do hereby state:

That I pay or supervise the payment of the persons employed by

_____ on the _____
(Contractor, subcontractor or public body) (Building or project)

and that all mechanics and apprentices, teamsters, chauffeurs and laborers employed on said project have been paid in accordance with wages determined under the provisions of sections twenty-six and twenty-seven of chapter one hundred and forty-nine of the General Laws.

Signature _____

Title _____

DIVISION OF OCCUPATIONAL SAFETY, 399 WASHINGTON STREET, 5TH FL., BOSTON, MA. 02108

WEEKLY PAYROLL REPORT FORM

Company Name:

Prime Contractor

Project Name:

Subcontractor
List Prime Contractor:

Awarding Auth.:

Employer Signature:

Work Week Ending:

Print Name & Title:

Employee Name & Address	Work Classification	Hours Worked							(A) Tot. Hrs.	(B) Hourly Base Wage	Employer Contributions			(F) [B+C+D+E] Hourly Total Wage (prev. wage)	(G) [A*F] Weekly Total Amount
		S	M	T	W	T	F	S			(C) Health & Welfare	(D) Pension	(E) Supp. Unemp		

NOTE: Every contractor and subcontractor is required to submit a copy of their weekly payroll records to the awarding authority.

CITY OF NEWTON

GENERAL CONDITIONS OF THE CONTRACT

FOR PUBLIC WORKS CONSTRUCTION

ARTICLE 1

Definitions

The word "Commissioner" shall mean the official duly authorized to act for the City of Newton in the execution of the work of this contract, acting directly or through properly authorized agents.

The word "Engineer," or "City Engineer," shall mean the City Engineer of the City of Newton, acting directly or through properly authorized agents, such agents acting within the scope of the particular duties entrusted to them.

The word "Contractor" shall mean the party or parties contracting to perform the work covered by this contract or his, or their, legal representatives, successors or assigns.

The word "Plans" shall mean plans, and all related drawings, diagrams, profiles and specifications referred to and included in the Project Manual for this contract.

The word "City" shall mean the City of Newton.

The word "Project" shall mean the services which are the subject of the Contract Documents.

The words "Subcontract" and "Subcontractor" shall refer to project contracts between the Contractor and a subcontractor, and the subcontractor thereunder.

The term "Substantial Completion" shall mean either that the work required by the contract has been completed except for the work having a contract price of less than one per cent of the then adjusted contract price, or substantially all of the work has been completed and opened to public use except for minor incomplete or unsatisfactory work items that do not materially impair the usefulness of the work required by the contract.

ARTICLE 2

Plans, Drawings, Profiles

1. The work shall be done in accordance with Plans referred to in Article 1 and such further working and detail plans, drawings and profiles as may be furnished from time to time by the Engineer. All said plans, general and detail, are to be deemed a part of this contract, and the said Plans, specifications and contract are to be considered together, so that any work mentioned in the contract, though not shown on the Plans, and any work shown on the Plans though not mentioned in the contract, is to be provided by the Contractor as a part of this contract. Figured dimensions are to prevail over scale. All things which in the opinion of the Engineer may fairly be inferred from the contract, Plans and specifications, are to be executed by the Contractor as a part of the contract; and the Engineer shall be sole judge as to whether detail plans, drawings and profiles conform to the Plans and the contract.

Discrepancy in Plans

2. The Contractor shall carefully examine all said Plans, profiles, drawings, specifications and orders; all figures, dimensions, lines, marks and scales thereof, and all directions of the Commissioner and the Engineer relating to the work, and conform to those in relation to which there is no doubt or discrepancy, but at once submit all cases of doubt or discrepancy to the Engineer for adjustment. Anything done on any part of the work for which special information or drawing should be procured, unless done in accordance with such information or drawing, or anything done in relation to which there is doubt or discrepancy, except in accordance with the adjustment thereof, or done in violation of law or public authority, is to be redone if the Commissioner shall so direct.

ARTICLE 3

Inspection

The Contractor in carrying on the contract shall conform to all determinations and directions of the Engineer relating to the proper interpretation of the Plans, , the fitness of persons employed on the work or the number thereof, or the suitability, amount, quality, and value of anything done or any materials used, and the Contractor shall permit the Commissioner and/or the Engineer and/or persons designated by them to enter upon the work and inspect the same at all times and in all places, and shall provide safe and convenient facilities for making such entry and inspection.

ARTICLE 4

Change in Plans and Work

The City, acting through the Commissioner and upon his written order only, from time to time given to the Contractor or his foreman, may change, increase or take away any part of the work, or change the specifications, Plans, drawings, form or materials thereof. Any deduction or addition thereto is to be allowed, or paid for at a price to be determined, within not more than 15 days of the completion of the change, by the City Engineer acting in the same capacity as an architect in a building contract as between City and Contractor. Any demand for addition or deduction must be made in writing to the City Engineer within seven (7) days of the time change was ordered.

ARTICLE 5

Time and Manner of Doing the Work

1. The Contractor shall begin work upon receipt of written Notice to Proceed. Once begun the work shall be carried out in a continuous and uninterrupted fashion with sufficient workforce and resources to assure completion by the date for completion established by the Contract Documents.

2. The Contractor shall carry on the work in accordance with the requirements of law and of all other public authorities, and to the satisfaction of the Commissioner; he shall give all notices, take out all permits, pay all charges and fees, give personal supervision to the work and keep thereon a competent foreman and sufficient employees, skilled in the several parts which are given them to do.

Maintenance of Travel

3. As applicable, the Contractor shall conduct his work so as to interfere as little as possible with public travel and shall give property owners proper means of access to their property where existing access has been cut off by the work. The Contractor shall keep the streets open for through travel except where, in the opinion of the Commissioner, it is necessary to close the street. The continuous length of the street occupied for the work shall be kept as short as possible, and no part of the work shall be unnecessarily delayed. Wherever the Commissioner shall direct, trenches shall be bridged by the Contractor in a proper and secure manner so as not to interrupt travel. Free access shall be maintained at all times to all water gates, gas gates, and fire hydrants.

Abandonment of Work by Contractor

4. In the event the City Engineer certifies to the Commissioner that the work is not being so carried forward or if the Contractor at any time is not carrying on the work to the satisfaction of the Commissioner, or is not observing any of the provisions of the contract, or has abandoned the work, or become insolvent or assigned his property, the City, acting by the Commissioner and at his discretion, may, with or without notice to the Contractor, or advertising for doing the work, and by contract, day labor or otherwise, do any part of the work which the Contractor has failed to do or replace any part not done to the satisfaction of the Commissioner, or take possession of the work and complete the same, and in doing so may use any implements, machinery or materials on or about the work which are the property of the Contractor, charging the Contractor any excess cost for completing the work, which excess cost the Contractor agrees to pay.

ARTICLE 6

Compensation for Work

1. Subject to the provisions of Paragraph 10 of this Article, the price named in the proposal and accepted by the City shall be paid by the City and received by the Contractor as full compensation for furnishing materials and for use of tools, forms, machinery and other implements, and for labor in moving materials and executing all the work contemplated in this contract, also for loss or damage arising from delay however occasioned, or out of the nature of the work aforesaid or from the action of the elements, from floods, or from any unforeseen obstructions or difficulties which may be encountered in the prosecution of the same and for all risks of every description connected with the work and for well and faithfully completing the work in the proper manner and according to the plans and specifications and requirements of the Commissioner under them.

2. During the first week of each calendar month, the City Engineer shall cause all work done by the Contractor during the previous month to be measured and shall estimate the value thereof and, on or before the 10th of each month issue a certificate to the Commissioner of the measurements and the amount due the Contractor according to the terms of his contract.

3. The City shall pay the Contractor on approval of the Commissioner monthly on or before the 18th of each month for all work done during the preceding month according to the aforementioned certificate of the City Engineer, less 5 per cent of the amount of such work and less any amounts due the City by the Contractor.

Final and Substantial Completion

4. Upon substantial completion of the work required by the Contract, the Contractor must present to the City Engineer written certification that the work is substantially complete. Within 21 calendar days after such certification is presented, the City Engineer shall present to the Contractor either a written declaration that the work is substantially complete or an itemized list of incomplete or unsatisfactory work items sufficient to demonstrate that the work is not substantially complete. The City Engineer shall include with such itemized list a date by which the work items must be completed, which date may not be earlier than the date for substantial completion established in the Contract Documents. If the City Engineer does not respond as provided herein within 21 calendar days, then the date of the Contractor's certification shall become the date for effective declaration of substantial completion.

5. Within 15 calendar days after the effective declaration of substantial completion, the City Engineer shall send to the Contractor by certified mail, return receipt requested, a complete list of all incomplete or unsatisfactory work items. Unless delayed by causes beyond the Contractor's control, with an extension of time granted pursuant to Article 8, the Contractor must complete the work items within 45 calendar days after receipt of the list, or by the contractual completion date, whichever is later. If the contractor fails to complete the work within the required time the City may, notwithstanding other rights and remedies at its disposal, and upon seven days written notice to the Contractor terminate the contract and complete the incomplete or unsatisfactory work items and charge the cost of same to the Contractor.

6. Within 65 calendar days following the effective declaration of substantial completion, the City Engineer shall issue to the Commissioner who shall cause to be paid to the Contractor a substantial completion estimate which estimate shall consist of the balance of the then current contract price less a one percent retention, the estimated cost to complete incomplete or unsatisfactory work items, the value of any outstanding claims against the Contractor and the sum of all demands for direct payment made pursuant to Article 12 herein, provided that until final acceptance, the City shall retain five percent of the value of all items planted in the ground.

7. The Contractor shall provide written notice to the City Engineer when the work has been brought to final completion. Within ten days following receipt of such notice, and providing his inspection shows no work items remain incomplete or unsatisfactory, the City Engineer shall issue to the Commissioner a final certificate of the total amount of work done and the money due the Contractor therefor, crediting thereon the amounts of the previous payments. In making the final certificate, the City Engineer shall not be bound by any preceding certificate or estimate of the amount of work done or materials furnished.

8. Within 30 calendar days following receipt of final completion, the City shall pay the Contractor, on the approval of the Commissioner, the percentages retained and the balance due the Contractor according to the aforementioned final certificate of the City Engineer less any indebtedness of the Contractor for incomplete or unsatisfactory work or claims made by or against the City. If a claim or claims are made, or notice of liability given, such amounts due the Contractor may be paid upon satisfaction of such claims or upon furnishing of indemnity to said City against all loss, cost, damage or expense by reason of such claims.

9. The City, on making any payment after the completion of the work, shall be released from all claim or liability to the Contractor for anything done or used, or for any loss or injury sustained in carrying on the contract, or for any act, omission, neglect or mistake of the City or any person relating to or affecting the contract, except for the balance of any sum retained as aforesaid.

Extra Work

10. The Contractor shall be paid for any additions, or deductions as provided in Article 4, paragraph 1, and for extra labor done by, and for extra materials furnished by him in compliance with the written order only of the Commissioner, calling for work not similar in character to that covered by the items given in the proposal, and for which no price is set in the said written order, the direct (not including consequential) cost to the Contractor, as determined to be reasonable by the Commissioner, plus fifteen per cent of said costs as so determined in regard to labor only. For teams or trucks so furnished, no payment shall be made to the Contractor beyond the current local rate as determined by the Commissioner in each case. The direct cost of labor may include the cost of mechanics and laborers furnished and a reasonable proportion of the time of the foreman and timekeeper, but it shall in no case include any charge for the use of tools, for establishment charges or for time spent by the Contractor. The actual cost of insurance on extra pay rolls and of materials furnished for extra work shall be paid without any addition. The labor and materials so ordered shall constitute a part of the work to be done under the contract; and all and singular the provisions of the contract shall apply to said labor and materials as if the same were specified therein. The Contractor shall have no claim for the above-mentioned extra labor and materials unless he furnishes the details and bills therefor within one week after doing any such labor or furnishing any such materials.

11. No claim of the Contractor against the City under this contract shall be deemed valid unless such claim is presented to the Commissioner within ten days from the time when the Contractor first knows of, or has opportunity to know of, the facts and circumstances on which such claim is based.

12. A payment or payments to the Contractor, in cases where these provisions or any of them, are not complied with, shall not be construed as a waiver of said provisions or any part thereof.

Contract Made Subject to Appropriations

13. This contract is made subject to appropriation heretofore made and shall not be altered unless the Contractor, the sureties on the bond, if any, the officer making the contract and the Mayor shall in writing agree thereto.

ARTICLE 7

Liquidated Damages

1. In case the work embraced in the contract shall not have been substantially completed by the date(s) stipulated therein, the Contractor shall pay to the City of Newton as liquidated damages a designated sum per calendar day for the entire period of overrun until the work is substantially completed in accordance with the following Schedule of Deductions and, in addition, the Contractor shall pay without reimbursement the entire cost of all traffic officers, railroad flagmen, inspectors, or other personnel the City Engineer and/or the Chief Engineer of the railroad determines to be necessary during the period of overrun of time.

SCHEDULE OF DEDUCTIONS

<u>Original Contract Amount</u> <u>From More Than</u>	<u>Daily Charge</u> <u>To and Including</u>	<u>Per Calendar Day</u>
\$0.00	\$25,000.00	\$30.00
\$25,000.00	\$50,000.00	\$50.00
\$50,000.00	\$100,000.00	\$100.00
\$500,000.00	\$1,000,000.00	\$150.00
\$1,000,000.00	\$2,000,000.00	\$200.00
\$2,000,000.00	----	\$300.00

2. In case the work covered by the contract shall not have been brought to final completion within 45 calendar days following the date of declaration of substantial completion, the Contractor shall pay to the City of Newton as liquidated damages the sum of \$150.00 for each week or portion thereof during the period of overrun until the work is complete.

3. Whatever sum of money may become due and payable to the City of Newton by the Contractor under this Article may be retained out of money belonging or owed to the Contractor in the hands and possession of or by the City of Newton. It is agreed that this Article shall be construed and treated by the parties to the contract not as imposing a penalty upon said Contractor for failing fully to complete said work as agreed on or before the time specified in the proposal, but as liquidated damages to compensate said City of Newton for all additional costs incurred by it because of the failure of the Contractor fully to complete said work on or before the date of completion specified in the proposal.

ARTICLE 8

Delays and Extensions of Time

1. If the Contractor is delayed at any time in the progress of the work by an act or neglect of the City, or by changes in the work ordered by the City, or by unseasonably inclement weather, or by other causes deemed by the City Engineer to be beyond the Contractor's control, and which the City Engineer determines may justify delay, then the time for completion may be extended for such reasonable time as the City Engineer may determine.

2. No such extension of time will be allowed unless the Contractor submits a written request for an extension to the City Engineer no later than 10 calendar days of the start of the occurrence or event-giving rise thereto. Each such request must describe the occurrence or event and specify the manner and extent that such occurrence or event is causing or has caused a delay in the work. The City Engineer shall promptly investigate each request and make his written determination to the Commissioner and the Contractor within 10 days after receipt of the request. In his determination the City Engineer may either grant, deny, or modify the length of the requested extension.

3. If the City Engineer's determination so warrants, the Commissioner shall authorize a written Change Order to the Contract extending the time for completion. No extension of time shall be deemed as granted until said Change Order has been duly executed by the parties.

4. Change Orders which may be executed by the City and the Contractor in connection with additions, extra labor and/or extra materials shall not be considered as allowing extensions of the time for completion unless the change order expressly specifies that additional time is allowed in connection with the work under the change order. Once a Change Order has been executed by the parties, any request by the Contractor for an extension of time based solely on the fact that additions, extra labor and/or extra materials are required by the Change Order will be denied by the City Engineer.

5. Permitting the Contractor to continue and finish the work or any part of it after the times fixed for its completion, or after the date to which the time for completion may have been extended, shall in no way operate as a waiver on the part of the City of Newton of any of its rights under the contract. The Contractor remains liable for damages caused other than by delay.

ARTICLE 9

Lines and Grades

The Contractor shall retain a Registered Land Surveyor who shall furnish such boards and stakes and cause to be placed thereon, such lines, marks and directions relating to the work as the Commissioner or City Engineer shall from time to time direct.

ARTICLE 10

Public Service Pipes and Conduits

1. The Contractor shall maintain such pipes or conduits of public service corporations or of the City as are across or within the lines of the work until such time as said public service corporations or the City assume the maintenance or removal of said pipes or conduits. The Commissioner will notify such public service corporations to that effect on the existence of such obstructions to the work being brought to his notice by the Contractor. The City will relocate either temporarily or permanently all water mains and water service pipes, or hydrants, and drains or sewers which may interfere with the work contemplated in this contract. (This clause is not to be construed as applying to such pipes as may be readily supported and protected during the progress of the work.) The cost of shutting off and turning on water in water mains during blasting shall be assumed by the City.

Protection of Existing Structures

2. All existing gas pipes, water pipes, sewers, drains, conduits, or other structures which are uncovered by the excavation shall be carefully supported and protected from injury by the Contractor, and, in case of injury, they shall be restored by him, without compensation therefor, to as good condition as that in which they were found, and shall be kept in repair until 6 months after the completion of the work. The Contractor shall provide suitable temporary channels for water at all water courses. Wherever the work passes under or adjacent to street railway tracks, the Contractor shall make all necessary arrangements with the railway company for doing any work which may affect the property of the company or interfere with the operating of the railway, and he shall be liable for any damage that may be caused by any act, omission or neglect on his part, and shall pay all expenses of every kind incidental to this work.

Changing the Location of Existing Structures

3. Whenever it becomes necessary to change the location of any water or gas pipes, sewers, drains, conduits or other structures not otherwise provided for in these specifications, the Contractor shall do the whole or such portions of the work of making such changes as the Commissioner may require, and shall receive in payment therefor the reasonable cost of the work done as determined by the Commissioner plus 15 per cent of such cost. In estimating such cost, no allowance shall be made to the Contractor for the use of tools not especially provided for this work, for general superintendence, or for any overhead expenses except liability insurance.

ARTICLE 11

Co-operation with Other Contractors

The Contractor shall conduct the work in such manner as not to interfere with other work being done by the City, by contract or otherwise, and if deemed necessary by the Commissioner, the work under this contract shall conform to the progress of said other work; shall co-operate with other contractors or employees who may be doing work for the City, and with public service corporations affected by the work, in arranging for storage places, connections, bracings, temporary support for structures, repairs, etc.

ARTICLE 12

Subcontracts

1. The Contractor, in any contract with a Subcontractor, shall provide that the Subcontractor shall be subject to all specifications, terms, provisions, conditions, requirements and liabilities set forth in this contract so far as such specifications, terms, provisions, conditions, requirements and liabilities are applicable to the work to be done under such Subcontract, and shall also provide that such Subcontract shall be terminated by the Contractor whenever the Commissioner shall certify to him in writing that in his opinion the work of the Subcontractor is unnecessarily or unreasonably delayed or that the Subcontractor has violated any of the provisions of this contract. The Contractor shall at once terminate such subcontract if the Commissioner, after certifying as previously mentioned, shall in writing direct the Contractor to make such termination.

2. Subcontracts shall be made in writing and the Contractor shall furnish the Commissioner with a copy of all Subcontracts on demand.

3. Pursuant to the provisions of M.G.L. Ch. 30, Sec. 39F (1), the following provisions are included in the General Conditions:

(a) Forthwith after the Contractor receives payment on account of a periodic estimate, the Contractor shall pay to each Subcontractor the amount paid for the labor performed and the materials furnished by that Subcontractor, less any amount specified in any court proceedings barring such payment and also less any amount claimed due from the Subcontractor by the Contractor.

(b) Not later than the sixty-fifth day after each Subcontractor substantially completes his work in accordance with the plans and specifications, the entire balance due under the Subcontract less amounts retained by the City as the estimated cost of completing the incomplete and unsatisfactory items of work, shall be due the Subcontractor; and the City shall pay that amount to the Contractor. The Contractor shall forthwith pay to the Subcontractor the full amount received from the City less any amount specified in any court proceedings barring the payment and also less any amount claimed due from the Subcontractor by the Contractor.

(c) Each payment made by the City to the Contractor pursuant to subparagraphs (a) and (b) of this paragraph for the labor performed and the materials furnished by a Subcontractor shall be made to the Contractor for the account of the Subcontractor; and the City shall take reasonable steps to compel the Contractor to make each such payment to each such Subcontractor. If the City has received a demand for direct payment from a Subcontractor for any amount which has already been included in a payment to the Contractor or which is to be included in a payment to the Contractor for payment to the Subcontractor as provided in subparagraphs (a) and (b), the City shall act upon the demand as provided in this section.

(d) If, within seventy days after the Subcontractor has substantially completed the Subcontract work, the Subcontractor has not received from the Contractor the balance due under the Subcontract including any amount due for extra labor and materials furnished to the Contractor, less any amount retained by the City, the demand shall be by a sworn statement delivered to or sent by certified mail to the City, and a copy shall be delivered to or sent by certified mail to the Contractor at the same time.

The demand shall contain a detailed breakdown of the balance due under the Subcontract and also a statement of the status of the completion of the Subcontract work shall be valid even if delivered or mailed prior to the seventieth day after which the Subcontractor has substantially completed the Subcontract work.

Within ten days after the Subcontractor has delivered or so mailed the demand to the City and delivered or so mailed a copy to the Contractor, the Contractor may reply to the demand. The reply shall be by a sworn statement delivered to or sent by certified mail to the City and a copy shall be delivered to or sent by certified mail to the Subcontractor at the same time. The reply shall contain a detailed breakdown of the balance due under the Subcontract including any amount due for extra labor and materials furnished to the Contractor and of the amount due for each claim made by the Contractor against the Subcontractor.

(e) Within fifteen days after receipt of the demand by the City, but in no event prior to the seventieth day after substantial completion of the Subcontract work, the City shall make direct payment to the Subcontractor of the balance due under the Subcontract including any amount due for extra labor and materials furnished to the Contractor, less any amount (i) retained by the City as the estimated cost of completing the incomplete or unsatisfactory items of work (ii) specified in any court proceedings barring such payment, or, (iii) if the reply shall not deduct from a direct payment any amount as provided in part (iii) if the reply is not sworn to, or for which the sworn reply does not contain the detailed breakdown required by subparagraph (d). The City shall make further direct payments to the Subcontractor forthwith after the removal of the basis for deductions from direct payments made as provided in parts (i) and (ii) of this subparagraph.

(f) The City shall forthwith deposit the amount deducted from a direct payment as provided in part (iii) of subparagraph (e) in an interest-bearing joint account in the names of the Contractor and the Subcontractor in a bank in Massachusetts selected by the City or agreed upon by the Contractor and the Subcontractor and shall notify the Contractor and the Subcontractor of the date of the deposit and the bank receiving the deposit. The bank shall pay the amount in the account, including accrued interest, as provided in an agreement between the Contractor and the Subcontractor or as determined by decree of a court of competent jurisdiction.

(g) All direct payments and all deductions from demands for direct payments deposited in an interest-bearing account or accounts in a bank pursuant to subparagraph (f) shall be made out of amounts payable to the Contractor at the time of receipt of a demand for direct payment from a Subcontractor and out of amounts which later become payable to the Contractor and in the order of receipt of such demands from Subcontractors. All direct payments shall discharge the obligation of the City to the Contractor to the extent of such payment.

(h) The City shall deduct from payments to a Contractor amounts which, together with deposits in interest-bearing accounts pursuant to subparagraph (f), are sufficient to satisfy all unpaid balances of demands for direct payment received from Subcontractors. All such amounts shall be earmarked for such direct payments, and the Subcontractors shall have a right in such deductions prior to any claims against such amounts by creditors of the Contractor.

ARTICLE 13

Responsibility for Work-Contractor's Responsibility

The Contractor has made his proposal from his own examinations and estimates, and shall not hold the City, its agents, or employees, responsible for or bound by, any schedule, estimate, sounding, boring, or any plan of any part of the work; shall, if any error in any plan, drawing, specification or direction relating to anything to be done under the contract come to his knowledge, report it at once to the Commissioner; shall not, except as the Commissioner shall authorize in writing, assign or sublet any part of the contract except for the supply of materials and plant, or of anything to be done thereunder; shall, subject to the provisions of the contract take all responsibility of, and bear all losses resulting to him in carrying on the contract, and shall assume the defense of, and hold the City, its agents and employees harmless from all suits and claims against them, or any of them, arising from the use of any invention, patent or patent right, material, labor or implement, by or from any act or omission or neglect of the Contractor, his Subcontractor, his agents or employees, in carrying on the contract, or for any liability of any nature arising under the contract. The Contractor shall be solely responsible and liable for and shall fully protect and indemnify the City against all claims for damages to persons or property occasioned by or resulting from blasting or other methods or processes in the work of construction, whether such damages be attributable to negligence of the Contractor, his employees or his Subcontractor or otherwise.

ARTICLE 14 LIGHTS—GUARDS

1. The Contractor shall assume all responsibilities of the work and take all proper precautions to protect persons and property from injury and unnecessary interference; leave a reasonably unobstructed way along public and private places for pedestrians, teams, and vehicles, and for access to hydrants; provide proper walks over or around any obstruction made in a public or private place in carrying on the contract, and maintain from the beginning of twilight through the whole of every night, on or near the obstruction sufficient lights and guards to protect travelers from injury thereby, and if, after one notification from the Commissioner that said lights and guards are not sufficient, the Contractor has not placed additional lights and guards to the satisfaction of the Commissioner, the Commissioner shall have the right to take charge of that part of the work at the expense of the Contractor. While the work is suspended he shall keep all roadways and sidewalks in proper condition, and when the work is completed put the place and vicinity in proper condition and so leave them.

2. The Contractor shall provide proper means of access to property where the existing access is cut off by the Contractor and replace or put in good condition every conduit, catch-basin, tree, wall, fence, or other thing injured by the Contractor in carrying on the contract, unless the same has been permanently done away with, on approval of the Commissioner, as being necessary to the proper carrying on of the contract.

ARTICLE 15 Guaranty

1. Any settlement or other defect, or the failure of any part of the structure or the work due to defective materials or workmanship, that occurs within one year after the work is completed, is to be immediately repaired by the Contractor. In the event of any such settlement, defect, or failure causing liability to the City for damage to persons or property, the Contractor does by this clause agree to hold the City harmless and to assume the defense of any claims therefor.

2. Responsibility under this guaranty for the adequacy of the work does not relieve the Contractor of his obligation to comply with the terms of the contract and to conform to all the requirements of the plans and specifications, nor does it give him the right to deviate in any way from the details of design of the structure or the work.

ARTICLE 16 Defective Work and Materials

The inspection of the work shall not relieve the Contractor of any of his obligations to fulfill his contract as herein described, and defective work shall be made good and unsuitable materials may be rejected, notwithstanding that such work and materials have been previously overlooked by the Engineer and accepted or estimated for payment. If the work or materials, or any part thereof shall be found defective at any time before the final acceptance of the whole work, the Contractor shall forthwith make good such defect in a manner satisfactory to the Engineer, and if any material brought upon the ground for use in the work or selected for the same, shall be condemned by the Engineer as unsuitable or not in conformity with the specifications, the Contractor shall forthwith remove such materials from the vicinity of the work. Nothing in this contract shall be construed as vesting in the Contractor any right of property in the materials used after they have been attached or affixed to the work or the soil, but all materials shall, upon being so attached or affixed, become the property of the City.

ARTICLE 17 Employment of Labor

The Contractor shall give preference in employment, first to citizens of Massachusetts, second, to other citizens of the United States; and shall allow all employees on said work to lodge, board and trade where they choose, and shall not obstruct any other person in doing work for the City; and shall conform to all labor laws of the Commonwealth; and no laborer or teamster, workman or mechanic working within this Commonwealth in the employ of the Contractor or Subcontractor or other person doing or contracting to do the whole or a part of the work contemplated by the Contractor shall be requested to, or required to, or work more than eight hours in any one calendar day. This contract is subject to all the laws of the Commonwealth and ordinances of the City and if any clause thereof does not conform to such laws and ordinances, such clause shall be void and such laws and ordinances operated in lieu thereof.

ARTICLE 18**Laws and Regulations - Contractor to Comply with Law**

The Contractor shall keep fully informed of all existing or future acts of the legislature, and of all municipal ordinances, prohibitions, rules and regulations in any manner affecting the conduct of the work, and of all orders or decrees of anybody or tribunal having any jurisdiction or authority over the materials, times, places and actions of those employed in the work embraced in the contract. The Contractor shall at all times observe and comply with all existing and future acts, ordinances, prohibitions, rules, regulations, orders and decrees; and shall protect and indemnify the city and its employees against any and all claims arising from or based on any violation of such acts, ordinances, prohibitions, rules, regulations, orders or decrees, and against all violations of law by the Contractor or his agents or employees.

END OF SECTION

CITY OF NEWTON

SUMMARY OF WORK AND SPECIFIC REQUIREMENTS OF THE CONTRACT

FOR PUBLIC WORKS CONSTRUCTION

I. SUMMARY OF WORK

A.

The work under this contract consists of all labor, materials, and equipment for a road diet with traffic calming and complete streets measures on Washington St. between Chestnut St. and Lowell Ave, including sidewalk and curb ramp reconstruction, installation of modular traffic islands and floating bus stops, precast concrete curb bases, flex posts, pavement markings, signage, landscaping improvements, application of a fog seal pavement treatment, and all other incidental work as shown on the plans, as described in the Contract Documents and as directed by the Engineer.

2. All other work described in the Project Manual and/or shown on the Plan(s) unless specifically indicated as not to be done.

B. In addition, the work under the contract includes:

1. Work outside the Project Site as called for in the Project Manual and/or Plan(s) and as required for the performance of the work.
2. The restoration of any items damaged or destroyed by encroaching upon areas outside the Project Site.
3. All labor, materials, tools, and equipment necessary to do all the work required for the completion of each item as specified, which shall be limited not only to the exact intent mentioned but shall include incidental work necessary or customarily performed for the completion of that item.
4. All items not specifically mentioned or noted in the Project Manual and/or Plan(s), but which are obviously necessary to make a complete working installation.

C. The Proposed Contract Price shall be complete costs, including overhead, profit, insurance, transportation, and all other costs connected with, or incidental to the work described.

II. TIME FOR COMPLETION AND LIQUIDATED DAMAGES

A. Upon notification the Contractor shall commence the work specified in the Project Manual as directed by the City. The work shall proceed in a continuous uninterrupted fashion with adequately staffed crews, in a satisfactory manner, which will assure that the work is completed in a timely manner to the satisfaction of the City.

B. The time for substantial completion pursuant to:

NOTICE: * TIME IS OF THE ESSENCE *

Within five (5) business days of the Notice of Award the Contractor shall submit to the Purchasing Department:

- **A signed contract.**
- **Certificates of Insurance (one naming the City as an additional insured party, and one in compliance with the MassDOT Insurance Requirements detailed below)**
- **A Labor and Materials Payment Bond in the amount of 50% of the contract total.**

The start date is the date on which the Notice to Proceed is issued. Time for completion is prior to August 31, 2025. The successful bidder must be able to accommodate the City of Newton in the scheduling and/or coordination of this work.

Time is of the essence for the completion of this contract. If the Contractor fails to achieve substantial or final completion of the Work within the time required by the contract, and unless an extension of time is granted, the Contractor shall pay to the City as liquidated damages, the applicable amount specified in Article 7 of the General Conditions for each day of delay. If different completion dates are specified in the Contract for separate parts or stages of the work, the amount of liquidated damages shall be assessed on those parts or stages which are delayed. To the extent that the Contractor's delay or nonperformance is excused under another section in this Contract, liquidated damages shall not be due the City. The Contractor remains liable for damages caused other than by delay.

III. CITY INSURANCE REQUIREMENTS

- A. The Contractor shall carry and maintain until acceptance of the work such Workmen's Compensation, Automobile Liability, Public Liability, Contingent Public Liability, Property Damage and Contingent Property Damage Insurance, each including blasting coverage, as shall protect him and any sub-contractor performing work covered by this contract from all claims and liability for damages for personal injury, including accidental death, and for property damage which may arise from operations under this contract, whether such operations be by himself or by any sub-contractor or by any one directly or indirectly employed by either of them.
- B. The City shall be named as an additional insured on such policy.
- C. The amounts of such insurance shall be as follows:
 - 1. Workmen's Compensation Insurance as required by Massachusetts General Law.
 - 2. Automobile Liability Insurance on all vehicles owned or hired for a.) Bodily Injury in an amount not less than \$500,000.00 for each occurrence, and not less than \$1,000,000.00 aggregate; b.) Property Damage in an amount not less than \$300,000.00 each occurrence, and not less than \$500,000.00 aggregate.
 - 3. Public Liability Insurance and Contingent Public Liability Insurance in an amount not less than \$500,000.00 for injuries, including accidental death to any one person, and subject to the same limit for each person, in an amount not less than \$1,000,000.00 on account of one accident.
 - 4. Property Damage Insurance and Contingent Property Damage Insurance in an amount not less than \$300,000.00 on account of one accident, and in an amount of not less than \$500,000.00 on account of all accidents.
 - 5. General Liability Insurance shall include Contractual Liability Insurance.
- D. Before any work is started, the successful bidder shall be required to file with the Chief Procurement Officer certificates of insurance coverage as detailed above, with policy numbers and dates of expiration.
- D. The Contractor shall indemnify, hold harmless and defend the City and its departments, officers, employees, servants, and agents from and against all actions, causes of actions, claims, demands, damages, costs, loss of services, expenses and compensation, including attorney's fees and interest arising out of or resulting directly or indirectly from the services rendered pursuant to this Contract, provided that any such action, cause of action, claim, demand, damage, cost, loss of service, expense, compensation (1) in any way grows out of bodily injury, sickness, disease or death, or to injury to or destruction of tangible property,

which (2) is caused in whole or in part by any act or omission of the Contractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder.

GENERAL CONDITIONS

The work under this contract consists of all labor, materials, and equipment for a road diet with traffic calming and complete streets measures on Washington St. between Chestnut St. and Lowell Ave, including sidewalk and curb ramp reconstruction, installation of modular traffic islands and floating bus stops, precast concrete curb bases, flex posts, pavement markings, signage, landscaping improvements, application of a fog seal pavement treatment, and all other incidental work as shown on the plans, as described in the Contract Documents and as directed by the Engineer.

All work done under this contract shall be in conformance with:

- the City of Newton Standard Specifications and General Construction Details,
- Commonwealth of Massachusetts Department of Transportation Standard Specifications for Highway and Bridges 2022 Edition as amended.
- the latest Massachusetts Department of Transportation Supplemental Specifications
- the latest Massachusetts Department of Transportation Construction Standard Details
- the 2006 Massachusetts Highway Department Project Development and Design Guide,
- the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD) with revisions and Massachusetts Amendments,
- the 1990 Standard Drawings for Signs and Supports,
- the 1968 Standard Drawings for Traffic Signals and Highway Lighting,
- the latest edition of American Standard for Nursery Stock,
- the Contract Project Manual with any Project Addenda.

The General Conditions, Supplementary Conditions and these Special Provisions shall take precedence over the General Requirements of Division 1 of the Standard Specifications of the Massachusetts Department of Transportation (MassDOT).

If during construction operations the contractor disturbs any survey monuments (temporary or permanent) the engineer may direct the contractor to reestablish the survey monuments at no additional cost to the owner. The contractor shall be required to use a Professional Surveyor registered in the Commonwealth of Massachusetts, unless otherwise directed by the Engineer.

It shall be the responsibility of the contractor to coordinate with all third-party utility companies that may be affected by this contract. This shall include but not limited to adjustment or replacement of existing structures as directed by the appropriate utility company. The owner shall not compensate the contractor for work done on behalf of a third party.

The scheduling of this work shall be solely at the discretion of the Engineer.

- **If schools are present within the project limits or along a detour route, such work shall be avoided to the extent feasible and as directed by the Engineer while school is in session. Roadway Construction shall not interfere with school operations.**
- **The contractor shall maintain a clean and orderly staging area within city limits for the duration of the project. The staging area shall be free of construction debris by the end of the week (Friday) unless receiving written permission from the Engineer. Failure to comply may result in a fine of up to \$1000.00 per day per staging area.**
- **When repairing, installing, adjusting sidewalks and/or curbing the Contractor may only work on one side of the roadway at a time. This allows the opposite side of the roadway to be used for safe pedestrian access.**
- **Work will not be permitted on Federal, State or City Holidays. Work will not be permitted on religious holidays as designated by the City Engineer.**

- **The Contractor shall not be allowed to move any equipment required for the proposed work found in this contract from project zone to project zone under its own power unless prior permission is granted by the Engineer.**
- **Night work is scheduled by Newton Police Department, in consultation with Public Works. Night work shall be performed when road construction during the day interferes with traffic operations to such an extent that public safety is compromised.**
- **Prior to the final installation of the top course, the Engineer may require a pre-construction meeting/walk through to assure that all conditions and specifications required to be completed have been finalized satisfactory to the Engineer.**

LIMITS OF WORK

This Contract includes work on Washington Street between and including the intersections of Lowell Ave and Chestnut St. The exact limits of work must be reviewed and delineated with the Engineer in the field prior to the Contractor beginning work. The Contractor is responsible for taking accurate measurements of actual field conditions prior to ordering proposed materials or beginning construction. Please see attached plans.

ITEM SHEET

The Contractor shall insert unit prices for each item in ink, in both words and figures, and is to show a total bid price (unit price x estimated quantities). In the event a discrepancy between the written words and figures, the written words shall govern. In the event an error in the bidders total bid price, the corrected total bid obtained by the summation of the products of the unit prices multiplied by the respective quantities shall stand as the bidder's total bid price.

The Contractor is required to review any related plans, conduct a full site review, and read all the provisions in the document before inserting prices, and is further advised to make his own determination as to the accuracy of the estimated quantities before inserting bid prices.

Unbalanced bidding is expressly prohibited, and all unit bid prices will be compared for reasonable conformance with the engineer's estimate. The City has the right to reject award of a bid, or part thereof, to protect the public interest if it is apparent that a bid is mathematically unbalanced, the bidder front-end loads its bid as to amount to an advanced payment, there are extreme variations from the engineer's estimate or other bids received, if in the opinion of the City, the unit prices create a reasonable doubt that that apparent low bidder will actually result in the lowest cost to the Department, and/or if the overall competitive bidding process has been jeopardized.

***The estimated quantities shown here are based solely upon a reasonable assessment of the project parameters, thus the Contractor is advised that the actual quantities may vary substantially as field conditions may necessitate. Regardless of the amount of actual quantities, however, the quoted unit prices shall always apply.**

There is no separate labor charge under this bid: unit prices shall include full compensation for all labor, materials, tools and equipment, and all incidentals necessary to complete the work as specified herein.

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ITEM SHEETS

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		TOTAL	
			DOLLARS	CENTS	DOLLARS	CENTS
102.511	12	AT TREE PROTECTION - ARMORING AND PRUNING _____ PER EACH				
120	358	AT EARTH EXCAVATION _____ PER CUBIC YARD				
120.1	270	AT UNCLASSIFIED EXCAVATION _____ PER CUBIC YARD				
150	40	AT ORDINARY BORROW _____ PER CUBIC YARD				
151	85	AT GRAVEL BORROW _____ PER CUBIC YARD				
170	340	AT FINE GRADING AND COMPACTING - SUBGRADE AREA _____ PER SQUARE YARD				
220	2	AT DRAINAGE STRUCTURE ADJUSTED _____ PER EACH				
402	10	AT DENSE GRADED CRUSHED STONE FOR SUB-BASE _____ PER CUBIC YARD				
415.2	450	AT PAVEMENT FINE MILLING _____ PER SQUARE YARD				
443	1	AT WATER FOR ROADWAY DUST CONTROL _____ PER M. GALLON (MGL)				

SUBTOTAL CARRIED FORWARD \$ _____

SUBTOTAL BROUGHT FORWARD \$ _____

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		TOTAL	
			DOLLARS	CENTS	DOLLARS	CENTS
450.23	50	AT SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5) _____ PER TON				
451	10	AT HMA FOR PATCHING _____ PER TON				
452	35	AT ASPHALT EMULSION FOR TACK COAT _____ PER GALLON				
453	860	AT HMA JOINT ADHESIVE _____ PER FOOT				
472	15	AT TEMPORARY ASPHALT PATCHING _____ PER TON				
492.101	1,600	AT FOG SEAL - POLYMER MODIFIED _____ PER GALLON				
504	280	AT GRANITE CURB TYPE VA4 - STRAIGHT _____ PER FOOT				
509	60	AT GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - STRAIGHT _____ PER FOOT				
509.1	10	AT GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - CURVED _____ PER FOOT				

SUBTOTAL CARRIED FORWARD \$ _____

SUBTOTAL BROUGHT FORWARD \$ _____

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		TOTAL	
			DOLLARS	CENTS	DOLLARS	CENTS
580	240	AT CURB REMOVED AND RESET _____ PER FOOT				
594	210	AT CURB REMOVED AND DISCARDED _____ PER FOOT				
697.1	8	AT CATCH BASIN INLET PROTECTION _____ PER EACH				
701	200	AT CEMENT CONCRETE SIDEWALK _____ PER SQUARE YARD				
701.2	160	AT CEMENT CONCRETE PEDESTRIAN CURB RAMP _____ PER SQUARE YARD				
701.21	400	AT DETECTABLE WARNING PANEL _____ PER SQUARE YARD				
702	5	AT HOT MIX ASPHALT SIDEWALK OR DRIVEWAY _____ PER TON				
708.1	1,375	AT ROOT BARRIER _____ PER LINEAR FOOT				
748	1	AT MOBILIZATION _____ PER LUMP SUM				

SUBTOTAL CARRIED FORWARD \$ _____

SUBTOTAL BROUGHT FORWARD \$ _____

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		TOTAL	
			DOLLARS	CENTS	DOLLARS	CENTS
751	430	AT LOAM FOR ROADSIDES _____ PER CUBIC YARD				
765	360	AT SEEDING _____ PER SQUARE YARD				
770.2	1	AT PLANTING MAINTENANCE _____ PER LUMP SUM				
772.1	3	AT PICEA ORIENTALIS 6-8' HT _____ PER EACH				
772.2	16	AT JUNIPERUS VIRGINIANA 5-6' HT _____ PER EACH				
778.3	3	AT BETULA NIGRA ' DURA HEAT' 8-10'; MULTI STEM _____ PER EACH				
778.4	8	AT BETULA NIGRA ' DURA HEAT' 10-12' HT'; SINGLE STEM _____ PER EACH				
782.537	9	AT CERCIS CANADENSIS 2-2.5" CAL _____ PER EACH				
783.1	11	AT MACLURA POMIFERA 'WHITE SHIELD' _____ PER EACH				

SUBTOTAL CARRIED FORWARD \$ _____

SUBTOTAL BROUGHT FORWARD \$ _____

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		TOTAL	
			DOLLARS	CENTS	DOLLARS	CENTS
783.2	10	MAGNOLIA VIRGINIANA 10-12' HT AT _____ PER EACH				
783.3	9	PARROTIA PERSICA 'VANESSA' 2-2.5" CAL AT _____ PER EACH				
789.334	48	MYRICA PENSYLVANICA - 24-30" B&B AT _____ PER EACH				
794.332	283	RHUS AROMATICA 'GROW LOW' -24"-2 GALLON AT _____ PER EACH				
794.35	43	ILEX GLABRA -30-36" B&B AT _____ PER EACH				
794.736	12	ARONIA MELANOCARPA - 30-36" B&B AT _____ PER EACH				
794.738	26	CLETHRA ALNIFOLIA - 30-36" B&B AT _____ PER EACH				
795.1	16	VIBURNUM DENTATUM - 3-4' B&B AT _____ PER EACH				
796.1	85	AMSONIA TABERNAEMONTANA - 1 GALLON AT _____ PER EACH				

SUBTOTAL CARRIED FORWARD \$ _____

SUBTOTAL BROUGHT FORWARD \$ _____

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		TOTAL	
			DOLLARS	CENTS	DOLLARS	CENTS
796.2	164	DESCHAMPSIA FLEXUOSA- 2 GALLON AT _____ PER EACH				
796.3	63	ECHINACEA PURPUREA- 1 GALLON AT _____ PER EACH				
796.4	211	PANICUM VIRAGATUM - 2 GALLON AT _____ PER EACH				
796.5	211	SCHIZACHYRIUM SCOPARIUM- 2 GALLON AT _____ PER EACH				
832	430	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A) AT _____ PER SQUARE FOOT				
834.12	113	SPRING LOADED REFLECTORIZED FLEXIBLE DELINATOR POST 36" WHITE OR YELLOW AT _____ PER EACH				
834.129	20	SPRING LOADED REFLECTORIZED FLEXIBLE DELINATOR POST 36" WHITE OR YELLOW - ADDITIONAL POSTS AT _____ PER EACH				
834.287	145	PRECAST CONCRETE CURBING FOR BICYCLE LANES (10' SECTION) AT _____ PER EACH				

SUBTOTAL CARRIED FORWARD \$ _____

SUBTOTAL BROUGHT FORWARD \$ _____

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		TOTAL	
			DOLLARS	CENTS	DOLLARS	CENTS
834.289	10	PRECAST CONCRETE CURBING FOR BICYCLE LANES (10' SECTION) - ADDITIONAL CURBS AT _____ PER EACH				
847.1	98	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL AT _____ PER EACH				
852.1	1	TEMPORARY TRAFFIC CONTROL AT _____ PER LUMP SUM				
854.1	3,200	PAVEMENT MARKING REMOVAL AT _____ PER SQUARE FOOT				
864.04	1,400	PAVEMENT ARROWS AND LEGENDS REFLECTORIZED WHITE (THERMOPLASTIC) AT _____ PER SQUARE FOOT				
864.41	2,500	GREEN COLORIZED PAVEMENT MARKINGS AT _____ PER SQUARE FOOT				

SUBTOTAL CARRIED FORWARD \$ _____

SUBTOTAL BROUGHT FORWARD \$ _____

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		TOTAL	
866.106	10,780	AT 6 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) PER FOOT				
866.112	2,360	AT 12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) PER FOOT				
867.106	10,800	AT 6 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC) PER FOOT				
867.112	300	AT 12 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC) PER FOOT				
874.2	9	AT TRAFFIC SIGN REMOVED AND RESET PER EACH				
874.41	34	AT TRAFFIC SIGN REMOVED AND DISCARDED PER EACH				
875.1	2	AT PARKING METER REMOVED AND RESET PER EACH				
875.2	3	AT PARKING METER REMOVED AND STACKED PER EACH				

SUBTOTAL CARRIED FORWARD \$ _____

SUBTOTAL BROUGHT FORWARD \$ _____

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		TOTAL	
			DOLLARS	CENTS	DOLLARS	CENTS
998.1	1	AT MODULAR BUS PLATFORMS <hr/> PER LUMP SUM				
998.2	1	AT MODULAR MEDIANS <hr/> PER LUMP SUM				
999.02	1	AT ALLOWANCE FOR TRAFFIC CONTROL \$52,792 <hr/> PER ALLOWANCE	\$52,792	00	\$52,792	00

BASE BID TOTAL \$ _____

IN WRITTEN WORDS

BT-6

ALTERNATE #1

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		TOTAL	
			DOLLARS	CENTS	DOLLARS	CENTS
708	5	AT PLANTER <hr/> PER EACH				
778.3	5	AT BETULA NIGRA ' DURA HEAT' 8-10';MULTI STEM <hr/> PER EACH				
796.5	60	AT SCHIZACHYRIUM SCOPARIUM- 2 GALLON <hr/> PER EACH				

ALTERNATE #1 BID PRICE \$ _____

ALTERNATE #2

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		TOTAL	
			DOLLARS	CENTS	DOLLARS	CENTS
708	5	AT PLANTER _____ PER EACH				
778.3	5	AT BETULA NIGRA ' DURA HEAT' 8-10';MULTI STEM _____ PER EACH				
796.5	60	AT SCHIZACHYRIUM SCOPARIUM- 2 GALLON _____ PER EACH				

ALTERNATE #2 BID PRICE \$ _____

(Total Bid and Alternate #1 and #2 Prices must be placed in paragraph "C" of Bid Form #25-19)

END OF SECTION

CITY OF NEWTON

GENERAL REQUIREMENTS

MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.01 SCOPE

- A. The purpose of this section is to define the basis of measurement and payment for the unit price or lump sum items listed in these Contract Documents.
- B. Section 9.00 of the Commonwealth of Massachusetts Department of Transportation Standard Specifications for Highways and Bridges, 2022 Edition, are hereby included in its entirety.

1.02 PAYMENT ITEMS

- A. Work Items of this Project are referenced with Item Numbers and Item Descriptions similar to those currently in use by the MassDOT, Highway Division.

1.03 BASIS OF MEASUREMENT AND PAYMENT

- A. Method of Measurement and Basis of Payment for Work Items shall be as called for under the appropriate section of the MassDOT Standard Specifications, unless modified in the Special Provisions and the Standard Specifications.

1.04 UNIT PRICES

- A. Payment will be computed on the basis of the unit price bid for each Item and the quantity of units completed. Unit prices are to include cost of all necessary materials, labor, equipment, overhead, profit and other applicable costs for items installed complete and accepted by the Engineer. No Payments will be made for the purchase or stockpile of materials or incidentals to the completed items. (See Part 1.06 of this Section.)
- B. The Owner reserves the right to increase or decrease the scope of the Contract work by 25% of the original scope.

1.05 LUMP SUM PRICES

- A. Payment will be computed on the basis of the percentage of work completed on each item in the contract BID as determined by the Engineer. Lump sum prices are to include the cost of all necessary materials, labor, equipment, overhead, profit and other applicable costs for items installed complete and accepted by the Engineer. No Payments will be made for the purchase or stockpile of materials or incidentals to the completed items. (See Part 1.06 of this Section.)
- B. The Contractor's breakdown of the lump sum bid will be used only as a guide to determine the percentage of completion.

1.06 PRICES INCLUDE

- A. The prices stated in the Proposal include full compensation not only for furnishing all the labor, equipment and material needed for, and for performing the work contemplated by the Contract, but also for assuming all risks of any kind for expenses arising to facilitate the work in a timely manner and all items and incidentals included in the Contract Documents.
- B. The Owner shall pay and the Contractor shall receive the prices stipulated in the BID made a part hereof as full compensation for everything performed and for all risks and obligations undertaken by the Contractor under and as required by the Contract.
- C. The prices for those Items which involve excavation shall include compensation for disposal of surplus excavated material and handling water.
- D. In all Items involving excavation, the price shall be based on doing the entire excavation in earth. Where rock is excavated, the price, therefore, shall be in addition to the cost of excavating earth and no deduction will be made in the amount for earth excavation.

1.07 PAYMENT

- A. In general, payment will be made for all Contract work satisfactorily completed through the end of the previous month. The payment will include any additional work which has been completed and approved and change order work agreed upon by the Owner and Contractor which has been completed and approved.
- B. Each application for payment will indicate the total of a minimum percent retainage, held by the Owner on the total of all work completed under the contract and approved for payment to-date.
- C. Monthly applications for payment may also indicate reduction or increase of the total Contract price when an approved change order results in a net reduction or net increase in the cost and quantity of work to be performed under the Contract.
- D. Special billings and charges against the Contract as credit or payment to the Owner, that are not for change order work, may be subtracted from monies due on any monthly application for payment but shall not serve to reduce the total Contract price.
- E. Final payment for Work governed by unit prices will be made on the basis of the actual measurements and quantities accepted by the Engineer multiplied by the unit price for work which is incorporated in or made necessary by the Work.
- F. Each project location will be billed separately.

FIELD ENGINEERING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Survey work and other field engineering responsibilities of the Contractor.

1.02 REQUIREMENTS

- A. **The Contractor shall be responsible for field survey, layout of the work, and the establishing of lines and grades as shown on the plans or as directed for his use.**
- B. Layout and set all lines, levels, grades, elevations, reference marks, batter boards and measurements required for the construction of the work. Verify such marks by instrument to confirm accuracy. The Engineer shall provide information on the baseline and elevation control available.
- C. Locate and protect established horizontal and vertical survey control, and reference points, benchmarks and stone bounds.
- D. Make, check, and be responsible for all measurements and dimensions necessary for the proper horizontal and vertical layout and construction of the Work.
- E. Control datum for survey shall be as established and depicted in the Existing Conditions and Alignment & Survey Control Plan.
- F. Verify location and reset (if needed) street right-of-way bounds and markers by a Professional Land Surveyor (PLS) as per the Contract Documents.
- G. All staking shall be directed and performed by qualified engineering or surveying personnel who are trained, experienced and skilled in construction layout of the type required under this contract. The contractor shall submit the qualifications of the survey personnel to the Owner for review and approval. The owner reserves the right to evaluate the performance of the survey personnel during the course of the work and require the replacement of any personnel whose work, in the judgement of the Owner, is unsatisfactory.
- H. The Engineer will be permitted to check the lines, elevations, reference marks, batter boards, etc., set by the Contractor. The Contractor shall correct any errors found in lines, elevations, reference marks, batter boards, etc. Such a check shall not be construed as approval of the Contractor's work and shall not relieve or diminish the responsibility of the Contractor for the accurate construction and completion of the Work in compliance with the Contract Documents.
- I. The Contractor shall perform an external and garage level inspection and make a video tape and/or photographic record of all existing sideline conditions, prior to the commencement of construction activities, and/or as may be required as the construction activities progress, for the purpose of documenting all decrepit, and/or extraordinary points of concern. All video and picture making shall be done on foot and shall not be 'shot' from a vehicle. This video record shall be made by the Contractor and a copy, or a secondary video tape, shall be delivered to the Engineer. A representative from the Engineering Division shall be present at the time of the inspection and recording.

1.03 QUALITY ASSURANCE

- A. The Contractor shall employ a Civil Engineer or Land Surveyor registered in the State of Massachusetts, acceptable to the Owner.
- B. Upon completion of the project, the Contractor shall submit an as-built plan signed by the Contractor's Engineer or Land Surveyor stating that the elevations and locations of the Work are in conformance with the Contract Documents. The retainage held by the owner will not get released until an as-built plan has been submitted.

PROJECT MEETINGS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Administrative and procedural requirements for project meetings.

1.02 PRECONSTRUCTION CONFERENCE

- A. The pre-construction conference will be scheduled and administered within 14 calendar days after the dated "Notice to Proceed." The Contractor shall be prepared to address such topics as understanding of the Contract Documents, Federal/State/Local requirements, projected construction schedules, major personnel, critical work areas, construction facilities and shop drawing/certificates of compliance submittals.

1.03 PROGRESS MEETINGS

- A. The Engineer will schedule and administer progress meetings and specially called meetings throughout the duration of the Work at period intervals. Weekly progress meeting are expected in the initial stages of the project. Meetings can later be scheduled to be Bi-Weekly as determined by the Engineer.
- B. The time and location of such meetings shall be designated by the Engineer and shall be convenient for all parties involved.
- C. The Engineer will prepare agenda with copies for participants, preside at meetings, record minutes, and distribute copies.

SUBMITTALS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Requirements for submission of schedules and shop drawings.

1.02 PROGRESS SCHEDULE

- A. Within 14 calendar days after execution of the Contract Documents, the Contractor shall submit to the Engineer for review a construction progress schedule conforming to requirements specified. This schedule should show the proposed dates of commencement and completion of each of the various subdivisions of work required under this Contract and the anticipated monthly percentage of completion, based on the total contract price. The Contractor shall be responsible for updating, and/or revising, this schedule whenever directed by the Engineer throughout the duration of the Contract. The schedule shall also include a Traffic Management Plan to be coordinated with City Engineering and Newton Police Department for each phase and location of work to be constructed under this contract.
- B. Special attention is directed to the requirement that the Contractor shall start the Work, as specified under this Contract, no later than 30 calendar days after the execution of the Contract Documents, unless otherwise authorized by the Owner. The Contractor shall comply with all pre-construction requirements as specified. The Owner reserves the right to delay the commencement of the Work or any part thereof, if the specified requirements as determined by the Engineer have not been satisfied. The Owner further reserves the right to limit or, delay construction, or certain activities thereof, in certain areas of the Contract should the Owner deem it to be in the public's best interest and/or safety to do so.

- C. The Contractor shall contact the appropriate city authorities concerning any public or semi-public events that may occur during the construction period that may affect construction. The Contractor alone shall be responsible for arranging his construction sequence to conform to any restrictions these events may impose. No claims for extras will be allowed because of any delay, extra materials handling, extra excavation, etc. caused by the imposed restrictions. However, additional time may be granted for completion of the work to compensate for delays caused by said restrictions.

1.03 SHOP DRAWINGS

- A. Submit electronic copies of shop and working drawings in PDF format for concrete reinforcement, structural details, piping layout, wiring, materials fabricated especially for the Contract, and materials and equipment for which such drawings are specifically requested.
- B. A maximum of two (2) submittals of each shop drawing will be reviewed by the Engineer. If more submittals are required due to the Contractor's neglect or failure to fulfill the requirements of the Contract plans and/or specifications, or to make corrections or modifications required by the Engineer in the review of the first two submittals, the Engineer will review the submittal and the Contractor will be responsible for the cost of the review, as determined by the Owner based on the Engineer's documentation of time and rates for additional services established in the Engineering Agreement between the Owner and the Engineer.
- C. If re-submittals on shop and working drawings are required, the Engineer will retain three (3) copies and three (3) copies will be returned to the Contractor. When re-submittals are returned to the Engineer, electronic copies in PDF format, of the complete submittal shall again be required.
- D. Such drawings shall show the principal dimensions, weight, structural and operating features, space required, clearances, type and/or brand of finish or shop coat, grease fittings, etc., depending on the subject of the drawing. When the dimensions are of particular importance, or when specified, the drawings shall be certified by the manufacturer or fabricator as correct for the Contract. The Contractor shall also be required to certify on the submitted drawings or catalog cuts that the equipment or the assembly are accepted by him and in conformance with the Plans and Specifications.
- E. When so specified or if considered by the Engineer to be acceptable, manufacturer's specifications, catalog data, descriptive matter, illustrations, etc., may be submitted in place of shop and working drawings.
- F. The Contractor shall be responsible for the prompt and timely submittal of all shop and working drawings to eliminate delay to the Work due to the absence of such drawings. All shop and working drawings must be submitted to the Engineer prior to incorporation into the Work, unless otherwise permitted by the Engineer. Prior to the submittal of any shop drawings, the Contractor shall submit a schedule of proposed shop drawing transmittals. The schedule shall identify the subject matter of each transmittal, the corresponding specification section number and the proposed date of submission. Prior to and during the progress of the Work the schedule shall be revised and resubmitted as requested by the Engineer.
- G. No material or equipment shall be purchased or fabricated for the Contract until the required shop and working drawings have been submitted as hereinabove provided and reviewed for conformance to the Contract requirements. All such materials and equipment and the work involved in their installation or incorporation into the Work shall then be as shown in and represented by said drawings.
- H. Until the necessary review has been made, the Contractor shall not proceed with any portion of the Work for which review is required.

- I. All shop and working drawings shall be submitted to the Engineer by and/or through the Contractor, who shall be responsible for obtaining shop and working drawings from his subcontractors and returning reviewed drawings to them. All drawings shall be clearly marked with the names of the Owner, Contractor, and building, equipment, or structure to which the drawing applies, and shall be suitably numbered. Submitted shop drawings shall be accompanied by a multi-part letter of transmittal provided by the Engineer and completed by the Contractor as directed by the Engineer.
- J. Only drawings which have been checked and corrected by the fabricator should be submitted to the Contractor by his subcontractors and vendors. Prior to submitting drawings to the Engineer, the Contractor shall check thoroughly all such drawings to satisfy himself that the subject matter thereof conforms to the Drawings and Specifications in all respects. All drawings which are correct shall be marked with the date, checker's name, and indication of the Contractor's approval, and then shall be submitted to the Engineer; other drawings shall be returned for correction.
- K. If a shop drawing shows any deviation from the Contract requirements, the Contractor shall make specific mention of the deviations in his letter of transmittal.
- L. The review of shop and working drawings by the Engineer will be general only, and nothing contained in this Section shall relieve, diminish or alter in any respect the responsibilities of the Contractor under the Contract Documents and in particular, the specific responsibility of the Contractor for details of design and dimensions necessary for proper fitting and construction of the work as required by the Contract and for achieving the result and performance as specified.
- M. Should the Contractor submit equipment that requires modifications to the structures, piping, electrical conduit, wires, appurtenances, or layouts etc., either existing or as detailed on the Drawings, he shall also submit details of the proposed modifications. If such equipment and modifications are accepted, the Contractor, at no additional cost to the Owner, shall do the work necessary to make such modifications.
- N. The Contractor shall furnish additional copies of shop drawings or catalog cuts when so requested.

1.04 JOB-MIX FORMULA

- A. Work shall not begin on any Newton project nor shall any mixture be accepted until the Contractor has submitted to the Engineer a specific job-mix formula for the particular uniform combination of materials and sources of supply to be used on each project in conformance with the requirements of Section M3 of MassDOT's Standard Specifications. The job-mix formula shall be submitted in writing by the Contractor to the City at least 30 days prior to the start of paving operations.

QUALITY CONTROL

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Requirements for Contractor's quality control of products, suppliers, manufacturers, services, site conditions, and workmanship, to produce work of the specified quality.

1.02 QUALITY ASSURANCE/CONTROL OF INSTALLATION

- A. Comply fully with manufacturers' instructions, including each step in sequence.
- B. Should manufacturers' instructions conflict with Contract Documents, request clarification from Engineer before proceeding.
- C. Comply with specified standards as a minimum quality for the Work except when more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- D. Perform work by persons qualified to produce workmanship of specified quality.
- E. Secure Products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion, or disfigurement.

1.03 FIELD SAMPLES

- A. Install field samples at the site as required by individual specifications sections for review.
- B. Acceptable samples represent a quality level for the Work.
- C. Where field sample is specified to be removed, clear area only after field sample has been accepted by the Engineer.

1.04 CERTIFIED WELDERS

- A. Structural welds shall be made only by operators who have been qualified by tests, as prescribed in the "Standard Qualification Procedure" of the American Welders Society, to perform the type of work required.
- B. Pipe welds shall be made only by operators who have been qualified by the National Certified Pipe Welding Bureau and each operator's qualification record shall be submitted to the Engineer before any work is performed.
- C. Shop welding shall be in accordance with the "Code for Welding in Building Construction".

TESTING LABORATORY SERVICES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Qualification, duties, and responsibilities of testing laboratories. Also, coordination and scheduling are responsibilities of the Contractor.
- B. Related Sections
 - 1. Materials and Equipment

1.02 PAYMENT PROCEDURES

- A. Initial Testing: Unless otherwise specified herein, the Owner will pay for additional initial testing services required by the Engineer.
- B. Retesting: When initial tests indicate noncompliance with the Contract Documents, subsequent retesting occasioned by the noncompliance shall be performed by the same testing agency, and costs thereof will be deducted by the Owner from the Contract Sum.
- C. Contractor's Testing: Inspecting and testing performed exclusively for the Contractor's convenience or as required of him by the technical specifications shall be the sole responsibility of the Contractor.

1.03 REFERENCES

- A. American Society for Testing and Materials (ASTM)
 - 1. E-329-90, Use in the Evaluation of Testing and Inspection Agencies as Used in Construction.

1.04 REQUIREMENTS

- 1. Asphalt material will only be accepted by the City if the test results from acceptance samples obtained at the production plant and from the compacted pavement indicate conformance to the approved job-mix formula and the quality limits specified in Section M3 of MassDOT's Standard Specifications.
- 2. Work included:
 - 1. Cooperate with the Owner's selected testing agency and all others responsible for testing and inspecting the Work.
 - 2. Provide other testing and inspecting as specified to be furnished by the Contractor in this Section and/or elsewhere in the Contract Documents.
 - 3. Where no testing requirements are described, but the Owner directs testing, the Contractor shall provide testing under the requirements of this Specification.

1.05 QUALITY ASSURANCE

- A. The testing laboratory will be qualified to the Owner's approval in accordance with ASTM E329-90.
- B. Regulatory requirements
 - 1. Testing, when required, will be in accordance with all pertinent codes, regulations, and with selected standards of the American Society for Testing and Materials.

2. Regulatory Requirement Inspections and tests required by codes or ordinances, or by a plan approved authority, and which are made by a legally constituted authority, shall be the responsibility of and shall be paid for by the Contractor, unless otherwise provided in the Contract Documents.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Comply with pertinent provisions of the Materials and Equipment section.
- B. Promptly process and distribute, to the Engineer, required copies of test reports and instructions to assure necessary retesting and replacement of materials with the least possible delay in progress of the Work.

1.07 SCHEDULING

- A. Establishing schedule
 1. By advance discussion with the testing laboratory selected by the Owner, determine the time required for the laboratory to perform its tests and to issue each of its findings.
 2. Provide all required time within the construction schedule.
 3. Coordinate testing activity with the appropriate testing laboratory.
- B. Revising schedule
 1. When changes of construction schedule are necessary during construction, coordinate all such changes with the testing laboratory as required.
- C. Adherence to schedule
 1. When the testing laboratory is ready to test according to the established schedule but is prevented from testing or taking specimens due to incompleteness of the Work, all extra charges for testing attributable to the delay may be back-charged to the Contractor and shall not be borne by the Owner.

PART 3 EXECUTION

3.01 FIELD QUALITY CONTROL

- A. Representatives of the testing laboratory shall have access to the Work at all times and at all locations where the Work is in progress. Provide facilities for such access to enable the laboratory to perform its functions properly.
- B. All specimens and samples for testing, unless otherwise provided in the Contract Documents, shall be taken by the testing personnel. All sampling equipment and personnel will be provided by the testing laboratory. All deliveries of specimens and samples to the testing laboratory will be performed by the testing laboratory.
- C. All work constructed as a deviation from the Contract Documents shall be approved prior by the Engineer in writing. All subject work shall be documented and the submission of required as-builts will be the responsibility of the Contractor.

TEMPORARY UTILITIES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Requirements for temporary utilities required during construction.

1.02 GENERAL REQUIREMENTS

- A. The Contractor is responsible for payment of all costs associated with the installation and operation of all temporary utilities necessary for the completion of the work. The Contractor shall arrange with the Engineer and Owner methods of determining monthly utility costs for Temporary Utilities prior to connection of any temporary systems.

The Contractor shall pay the Owner on a monthly basis for all temporary utility costs. The Temporary Utilities to be paid by the Contractor include, but are not limited to the following: Electricity, Water, Sanitary, Heating, Ventilation, Plumbing and other services required to complete the work.

1.03 TEMPORARY SANITARY FACILITIES

- A. Provide adequate sanitary facilities for the use of those employed on the Work. Sanitary facilities shall be made available when the first employees arrive on the site of the Work, be properly secluded from public observation, and be maintained during the progress of the Work in suitable numbers. The location for the placement of sanitary facilities shall be approved in writing by the Engineer.
- B. Maintain sanitary facilities in an orderly and sanitary condition at all times and enforce their use. Rigorously prohibit the committing of nuisances on the site of the Work, on the lands of the Owner, or any adjacent property.

TEMPORARY CONTROLS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Requirements for cleaning, maintenance of the project site, barriers and fences required during construction.

1.02 CLEANING DURING CONSTRUCTION

- A. Contractor shall perform clean-up operations during construction as herein specified, or as specified elsewhere within the Contract Documents.
 - 1. Control accumulation of waste materials and rubbish; promptly dispose of off-site. Bear all costs, including fees resulting from disposal.
 - 2. Maintain project in accordance with all local, State and Federal Regulatory Requirements.
 - 3. Store volatile wastes in covered metal containers and remove from premises.
 - 4. Prevent accumulation of wastes that create hazardous conditions.
 - 5. Provide adequate ventilation during use of volatile or noxious substances

- B. Conduct cleaning and disposal operations to comply with local ordinances and anti-pollution laws.
1. Do not burn or bury rubbish and waste materials on site.
 2. Do not dispose or volatile wastes such as mineral spirits, oil, or paint thinner in storm or sanitary drains.
 3. Do not dispose of wastes into streams or waterways.
 4. Use only those materials which will not create hazards to health or property, and which will not damage surfaces.
 5. Execute cleaning to ensure that the buildings, the sites, and adjacent properties are maintained free from accumulations of waste materials and rubbish and wind-blown debris, resulting from construction operations.
 6. Provide on-site containers for collection of waste materials, debris, and rubbish.
 7. Remove waste materials, debris, and rubbish promptly from the site and dispose of at legal disposal areas off the construction site.
 8. During its progress, the work and the adjacent areas affected thereby shall be kept cleaned up and all rubbish, surplus materials, and unneeded construction equipment shall be removed and all damage repaired so that the public and property owners will be inconvenienced as little as possible.
 9. Where material or debris has washed or flowed into or been placed in existing watercourses, ditches, gutters, drains, pipes, structures, work done under this contract, or elsewhere during the course of the Contractor's operations, such material or debris shall be entirely removed and satisfactorily disposed of during the progress of the work, and the ditches, channels, drains, pipes, structures, and work, etc. shall, upon completion of the work, be left in a clean and neat condition.

1.03 DUST CONTROL

- A. Provide adequate means for the purpose of preventing dust caused by construction operations throughout the period of the construction contract.
- B. This provision does not supersede any specific requirements for methods of construction or applicable general conditions or performance obligations of the Contractor.
- C. Adequate dust control shall be applied as, and when, directed by the Engineer. No additional compensation will be made for such work and shall be incidental to the Contract.

1.04 EROSION AND SEDIMENT CONTROL

- A. Plan and execute construction by methods to control surface drainage from cuts and fills, from borrow and waste disposal areas. Prevent erosion and sedimentation.
- B. Minimize amount of bare soil exposed at one time.
- C. Provide temporary measures such as berms, dikes, and drains, to prevent water flow.

- D. Periodically inspect earthwork to detect evidence of erosion and sedimentation; promptly apply corrective measures.
- E. Construct sediment control devices for discharge from dewatering trenches.
- F. Construct all sedimentation control devices shown on the plans.

1.05 NOISE CONTROL

- A. Develop and maintain a noise-abatement program and enforce strict discipline over all personnel to keep noise to a minimum.
- B. Execute construction work by methods and by use of equipment which will reduce excess noise.
 - 1. Equip air compressors with Silencers, and power equipment with mufflers.
 - 2. Manage vehicular traffic and scheduling to reduce noise.

1.06 POLLUTION CONTROL

- A. Special care shall be taken to prevent contamination or muddying up or interfering in any way with the stream flows, if any along the line of work. No waste matter of any kind will be allowed to discharge into the stream flows or impounded water of any pools or other bodies of water.

1.07 SURFACE WATER CONTROL

- A. Take all precautions to prevent damage to the work or equipment by high waters or by storms. The Engineer with the approval of the Owner may prohibit the carrying out of any work at any time when in his judgment, high water or storm conditions are unfavorable or not suitable, or at any time, regardless of the weather, when proper precautions are not being taken to safeguard previously constructed work or work in progress.
- B. In case of damage caused by the failure of the Contractor to take adequate precautions, the Contractor shall repair or replace equipment damaged and shall make such repairs or rebuild such parts of the damaged work, as the Engineer may require, at no additional expense to the Owner.

1.08 BARRIERS AND ENCLOSURES

- A. Fences and Barricades
 - 1. Provide and maintain temporary fences, barriers, lights, guardrails, and barricades as indicated in the Contract Documents, or as necessary to secure the Work and adjacent property and protect persons and property.
 - 2. Obtain necessary approvals and permits and provide temporary expedients as necessary to accommodate tasks requiring items mentioned herein.
- B. Protection of Trees
 - 1. The Contractor shall notify the Tree Warden before commencing work within the drip line of any Tree.

2. If, in the opinion of the Engineer or Tree Warden, and so directed by either, the Contractor shall be required to provide adequate and satisfactory tree protection (either trunk protection or drip line protection, or both) as directed. No additional compensation will be made for such protection and shall be incidental to the Contract.
3. The Contractor shall take care not to harm trees along the sides of roads or within the existing facility in which the construction work is to be done or trees on adjacent lands except as indicated on the drawings or with the written permission of the Owner and any other owner of the trees involved. Care shall be taken not to cut tree roots to harm the growth of trees to remain.
4. If, in the opinion of the Engineer or Tree Warden, any trees damaged during construction can be repaired, the Contractor shall satisfactorily repair them at no further cost to the Owner.
5. If, in the opinion of the Engineer or Tree Warden, any tree damaged during construction cannot be repaired and should be removed, the Contractor shall satisfactorily remove and replace, with a species specified by and at the direction of the City Tree Warden at no further cost to the Owner.

1.09 TEMPORARY PEDESTRIAN ACCESS

- A. The City of Newton requires that all work zones maintain a safe pedestrian access route around or through individual work sites that is ADA accessible during the execution of this contract.
 - a. Sidewalks – when repairing, installing, adjusting sidewalks and/or curbing the Contractor may only work on one side of the roadway at a time. This allows the opposite side of the roadway to be used for safe pedestrian access. Proper signage must be positioned as directed by the Engineer (see d. below)
 - b. ADA Access Ramps – only one ADA ramp may be excavated/worked-on at a time at any intersection. Only after the initial ADA ramp is made pedestrian and ADA accessible (see e. below) may a second ADA ramp be worked on.
 - c. Temporary Ramps – if required for safe access, the Engineer may require temporary ADA compliant HMA access ramps.
 - d. The Engineer will identify the proper location for appropriate signage to direct pedestrians safely around any active work area. Signage will include “Sidewalk Closed Ahead – Cross Here” signs (with the appropriate directional arrow) and “Sidewalk Closed” signs. The signs must be stable and not prone to falling over.
 - e. Temporary Safe Access – placement of HMA or dense grade material compacted as directed by the Engineer may be used to obtain a suitable smooth stable base for temporary pedestrian access prior to placement of concrete.

TRAFFIC REGULATIONS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Requirements for traffic control for the duration of the Contract.

1.02 REFERENCES

- A. Manual of Uniform Traffic Control Devices (MUTCD) latest edition, including published revisions; Specifications for Temporary Traffic Control.

1.03 PERFORMANCE REQUIREMENTS

- A. The Contractor shall prepare and submit to the Engineer a proposed work schedule which complies with the plans and specifications. No work shall start until the Engineer's approval of the schedule is received.
- B. The Contractor shall have the sole responsibility for the maintenance and protection of traffic.
- C. No construction will be permitted within 300 feet of a school, day care center, or day camp when children are either arriving or departing the facility. The actual hours involved will be obtained by the Contractor from the respective facility.
- D. An authorized representative of the Contractor shall be available on a 24-hour basis for the duration of the Contract for the purpose of correcting construction related impediments or hazards. This contact shall be responsible for making correction within a timely manner. The contact information shall be supplied with the rest of the required submittals.

1.04 SUBMIT TRAFFIC PLANS

- A. In accordance with the Submittals section, submit a traffic plan delineating requirement of this section, the Contract Drawings, and the City of Newton.
- B. Traffic control plans shall detail all typical, and specific, work zones and detours for each roadway and construction activity for the project to complete the work as listed in the Contract Documents and Construction Plans, as well as the planned accessible pedestrian route through, or adjacent to, the work zone.

1.05 SITE CONDITIONS

- A. Replace at no cost to the Owner pavement markings, legends and lane arrows removed or damaged by the construction operation that are not within the Construction Plans.
- B. Restore temporary detours to original condition.
- C. Replace traffic signal loops damaged during construction **within 72 hours**.

1.06 SCHEDULING

- A. The Contractor shall minimize the construction impacts to the traveling public and abutting property owners by limiting the extent of roadway excavation and requiring the restoration of a weather-tight pavement surface as stipulated below. All proposed underground installations (utilities, drainage, sewer, etc.) must be in place prior to the beginning of roadway excavation.
- B. The Owner reserves the right to alter the lengths of excavation and other operations in order to ensure the safety of the traveling public and abutting property owners.

PART 2 PRODUCTS

2.01 TRAFFIC CONTROL DEVICES

- A. All Traffic Control Devices shall be in accordance with the MUTCD and maintained as such. All Devices shall also meet and be maintained in compliance with the Specifications

PART 3 EXECUTION

3.01 INSTALLATION OF TRAFFIC CONTROL DEVICES

- A. Installations shall be in accordance with all requirements and standards as specified in the Manual on Uniform Traffic Control Devices (MUTCD) and shall be the responsibility of the Contractor to install and maintain as directed by the Engineer.

MATERIALS AND EQUIPMENT

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Requirements for delivery, storage, handling and installation of systems, materials, manufactured units, equipment, components, and accessories used in the work.

1.02 DELIVERY

- A. Refer to Specifications' Sections for requirements pertaining to delivery and handling of materials and equipment.
- B. Transport products by methods to avoid product damage.
- C. Deliver in undamaged condition in manufacturers' unopened containers or packaging, and dry.
- D. Provide equipment and personnel to handle products by methods to prevent soiling or damage.
- E. Promptly inspect shipments to assure that products comply with requirements, that quantities are correct, and products are undamaged.

1.03 STORAGE AND PROTECTION

- A. Refer to Specifications' Sections for requirements pertaining to storage and protection of materials and equipment.
- B. Store products in accordance with manufacturers' instruction, with seals and labels intact and legible. Store sensitive products in weather tight enclosures and maintain within temperature and humidity ranges required by manufacturers' instructions.
- C. For exterior storage of fabricated products, place on sloped supports above ground. Cover products subject to deterioration with impervious sheet covering and provide ventilation to avoid condensation.
- D. Store loose granular materials on solid surfaces in a well-drained area and prevent mixing with foreign matter. Loose material shall also be protected in accordance with Erosion Control specifications.
- E. Arrange storage to provide access for inspection. Periodically inspect to assure that products are undamaged and are maintained under required conditions.
- F. Materials stored and location of storage shall be approved by the Engineer prior to delivery.

1.04 INSTALLATION STANDARDS

- A. Comply with Specifications and referenced standards as minimum requirements.
- B. Components required to be supplied in quantity within a Specification Section shall be the same and shall be interchangeable.
- C. Do not use materials and equipment removed from existing structures, except as specifically required, or allowed, by the Contract Documents.
- D. Perform work by persons qualified to produce workmanship of specified quality.
- E. Secure products in place with positive anchorage devices designed and sized to withstand stresses, vibration, and racking.
- F. When work is specified to comply with manufacturers' instructions, submit copies as specified in the Submittals section, distribute copies to persons involved, and maintain one set in field office.
- G. Perform work in accordance with details of instructions and specified requirements.

MAINTENANCE

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Procedures for maintaining work completed under this Contract.

1.02 MAINTENANCE PERIOD

- A. The general maintenance period for all construction or materials under this Contract shall be one (1) year after the date of the acceptance of the work by the Owner, or as provided by other sections of this Specification.
- B. If the Owner puts any structure or equipment to use prior to acceptance of all work under the Contract, the maintenance period for such structures or equipment shall be calculated from the time use begins.
- C. Contractor agrees to replace the material which does not conform to the Contract requirements, and to repair any damage of material or work without cost to the Owner, to the satisfaction of Engineer, in conformance with Contract Documents provided orders for replacement and/or repairs are received in writing by the Contractor within the one-year period.
- D. This Section shall in no way limit the duration of the Contractor's responsibility for the correction of any defect due to workmanship or materials provided by the Contractor which are not in compliance with the Contract Documents.

1.03 ABUSE OF WORK

- A. Contractor is not obligated to perform work of replacement or repair that he may prove is required because of abuse by parties other than the Contractor, after the date the Owner puts to continuous use the work requiring replacements or repair, or after date the Owner has approved the Certificate of Completion.

1.04 EMERGENCY REPAIRS

- A. If the Owner deems necessary, the Owner shall order replacement or repairs be undertaken within 24 hours.

- B. If the Contractor delays or fails to make the ordered replacement or repairs within the time specified, the Owner shall have the right to make such replacements or repairs and the expense shall be deducted from moneys due the Contractor, or moneys of the Contractor retained by the Owner.

END OF SECTION

CITY OF NEWTON

CONSTRUCTION SPECIFICATIONS

SCOPE OF WORK

The work under this contract consists of all labor, materials, and equipment for a road diet with traffic calming and complete streets measures on Washington St. between Chestnut St. and Lowell Ave, including sidewalk and curb ramp reconstruction, installation of modular traffic islands and floating bus stops, precast concrete curb bases, flex posts, pavement markings, signage, landscaping improvements, application of a fog seal pavement treatment, and all other incidental work as shown on the plans, as described in the Contract Documents and as directed by the Engineer. Additionally, the project will involve changes to existing parking meters along Washington Street. All work shall occur within the public right of way. Any work proposed outside of public right of way must be coordinated with the City of Newton's Department of Public Works

All work done under this contract shall be in conformance with:

- the City of Newton Standard Specifications and General Construction Details,
- the Commonwealth of Massachusetts Department of Transportation Standard Specifications for Highways and Bridges, 2022 Edition, as amended
- the latest Commonwealth of Massachusetts Department of Transportation Supplemental Specifications
- the latest Massachusetts Department of Transportation Construction Standard Details
- the 2006 Massachusetts Highway Department Project Development and Design Guide,
- the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD) with revisions and Massachusetts Amendments,
- the MassDOT Traffic Management Plans and Detail drawings,
- the MassDOT Work Zone Safety Temporary Traffic Control,
- the 1990 Standard Drawings for Signs and Supports,
- the 2015 Overhead Signal Structure and Foundation Standard Drawings,
- the 1968 Standard Drawings for Traffic Signals and Highway Lighting,
- the latest edition of American Standard for Nursery Stock,
- the Contract Project Manual and Plans with any Project Addenda.

The General Conditions, Supplementary Conditions and Special Provisions shall take precedence over the General Requirements of Division I of the MassDOT Standard Specifications.

References within the Standard Specifications to MassDOT, the Department, or the Engineer shall, for the purposes of this Contract, be construed to mean the City of Newton or its designated representative.

ARCHITECTURAL ACCESS BOARD & AMERICANS WITH DISABILITIES ACT TOLERANCES AND STANDARDS

The Contractor is hereby notified that they are ultimately responsible for constructing all project elements in strict compliance with the current AAB/ADA rules, regulations, and standards. The Contractor's attention is directed to the MAAB Variance attached hereto, which details allowable deviations from AAB rules, regulations, and standards at specific locations identified within the project.

All construction elements in this project associated with sidewalks, walkways, pedestrian curb ramps and curb cuts are controlled by 521CMR - Rules and Regulations of the Architectural Access Board (AAB). The AAB Rules and Regulations specify maximum slopes and minimum dimensions required for construction acceptance. There is no tolerance allowed for slopes greater than the maximum slope or for dimensions less than the minimum dimensions, with the exception of the specific locations identified within the attached MAAB Variance.

Contractors shall establish grade elevations at all pedestrian curb ramp locations and shall set transition lengths according to the appropriate table in the Construction Standards (or to the details shown on the plans).

ORDERING OF MATERIALS AND DRAWINGS

The Contractor shall provide the Engineer within 30 days of receipt of the contract, written evidence that:

1. Contractor has ordered the shop drawings for the materials for which shop drawings are required for this contract;
2. Contractor has ordered from a supplier or manufacturer materials necessary to complete the project.

The Contractor shall further provide the Engineer written evidence within 30 days of receipt of the Contract that these orders have been confirmed in writing by the manufacturer with delivery dates appropriate for timely completion of the project. These confirmations of orders will become part of the project records.

Failure to comply with any of the ordering requirements shall nullify a request for an extension of the project completion date.

SHOP DRAWING SUBMITTAL (Supplementing Subsection 5.02)

The following is a list of items and materials that require shop drawing or catalog cut approval (Contractor to coordinate with Engineer to confirm all submittals as this list may not be deemed complete). This list may not be a complete list of all items requiring shop drawing submittals. The contractor shall review the construction and materials specifications for each item to determine whether a shop drawing submittal is required.

1. **Signage**
2. **Individual Tree Protection**
3. **Granite Curbing**
4. **Detectable Warning Panels**
5. **Name and Certification Number of the Massachusetts Certified Arborist**
6. **Cement Concrete**
7. **Gravel Borrow**
8. **Fog Seal**
9. **Planter**
10. **Root Barrier**
11. **Spring Loaded Reflectorized Flexible Delineator Posts**
12. **Precast Concrete Curbing for Bicycle Lanes**
13. **All Pavement Marking Items**
14. **Planting trees, shrubs, groundcover, planting media, fertilizer, and other planting related items**
15. **Pedestrian Temporary Traffic Controls**
16. **Loam and seed**

17. Modular bus platform

18. Modular Median

JOINTS (Supplementing Subsection 460.90)

The application of hot poured rubberized asphalt sealer, where required in accordance with Subsection 460.90 of the Specifications, shall be considered incidental to the work included under Item 460.23, 460.31 and 460.52.

CONCURRENT WORK BY OTHERS WITHIN PROJECT LIMITS (Supplementing Subsection 5.06)

Concurrent work may be in progress in the project areas by the City of Newton or utility companies or others. The Contractor is required to coordinate his activities with all work by others within and adjacent to the project limits.

No additional payments will be allowed for any disruption of work schedule caused by or required to coordinate work in this contract and work to be performed by others.

STEEL PLATES IN CONSTRUCTION ZONES (Supplementing Subsection 7.09)

At the end of each working day trenches in areas of public travel shall be backfilled and covered with steel plates, each edge of such plates shall either be beveled or protected by a slope of two (2) feet horizontally to one (1) inch vertically. Any temporary patching material may be used to construct the ramps. The cost of necessary patching materials, and their maintenance and removal, will be considered incidental to the item involved with no separate payment.

PUBLIC SAFETY AND CONVENIENCE (Supplementing Subsection 7.09 of MassDOT's Standard Specifications)

Vehicular and pedestrian travel on the public way shall be maintained by the Contractor during construction and access to abutting land shall be provided at all times. If so directed, temporary walkways will be provided by the Contractor to ensure safe passage under various weather conditions.

PROPERTY BOUNDS (Supplementing Subsection 7.13)

The Contractor shall exercise due care when working around all property bounds, which are to remain. The Contractor shall verify the location and reset (if needed) any street right-of-way bounds or markers damaged or moved by result from the actions of the Contractor, the bound shall be accurately replaced and/or realigned by the Contractor as required by the Engineer. The Contractor shall employ a Land Surveyor registered in Massachusetts to perform this work. No further compensation will be due the Contractor for the materials and labor required to re-establish a bound disturbed by the Contractor, except as otherwise noted herein.

PROTECTION OF UNDERGROUND FACILITIES

The Contractor's attention is directed to the necessity of making his own investigation in order to assure that no damage to existing structures, drainage lines, traffic signal conduits, etc., will occur. The Contractor shall notify the City of Newton and Mass. DIG SAFE and procure a DIG SAFE number for each location prior to disturbing the existing ground in any way.

DIG SAFE Call Center 1-888-344-7233

The Contractor shall notify the City and Dig Safe 72 hours prior to start of construction.

NOTICE TO UNITED STATES POSTAL SERVICE (USPS) POSTMASTER

The Contractor shall give sufficient notice to the USPS Postmaster of his intention to conduct work in an area where a mail collection box, mail transfer box, or the service thereof may be affected by the construction operations. Before commencing work near a mail collection box that will be affected by the construction, the Contractor shall contact the USPS Postmaster responsible for the mailbox to ensure that proper procedures are followed. The Contractor may not commence work in this area until the unit has been moved by the USPS or its designee.

PROTECTION OF UTILITIES AND PROPERTY (Supplementing Subsection 7.13)

The Contractor, in constructing or installing facilities, alongside or near sanitary sewers, storm drains, water or gas pipes, electric or telephone conduits, poles, sidewalks, walls or other structures, shall, at his expense, sustain them securely in place, cooperating with the officers and agents of the various utility companies and municipal departments which control

them, so that the services of these structures shall be maintained. He shall also be responsible for the repair or replacement, at his own expense, of any damage to such structures caused by his acts or neglect and shall leave them in the same condition as they existed prior to the commencement of work.

In case of damage to utilities, the Contractor shall promptly notify the owner and shall, if requested by the Engineer, furnish laborers to work temporarily under the owner's direction in providing access to the utility. Pipes or other structures damaged by the operation of the Contractor may be repaired by the City or by the utility company which suffers the loss. The cost of such repairs shall be borne by the Contractor, without compensation therefore.

If, as the work progresses, it is found that any of the utility structures are so placed as to render it impracticable, in the judgment of the Engineer, to do the work called for under this Contract, the Contractor shall protect and maintain the services in such utilities and structures and the City will, as soon thereafter as it reasonably can, cause the position of the utilities to be changed or take such other action as it deems suitable and proper.

If live service connections are to be interrupted by excavation of any kind, the Contractor shall not break the service until new services are provided. Abandoned services shall also be plugged off or otherwise made secure by the utility company involved.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all the work involved in protecting or repairing property as specified in this section shall be considered as included in the prices paid for the various contract items of work and no additional compensation will be allowed therefor.

The Contractor shall be required to furnish all labor, materials, and equipment necessary to protect underground structures and electrical vaults within the project site from construction debris and water penetration. When underground structures or electrical vault roofs are excavated, the Contractor shall be responsible for maintaining security of these structures or electrical vaults against unauthorized access. The Contractor shall be responsible for leaving the structures and vaults in a state of water tightness equal to that existing at the commencement of the contract.

The Contractor will cooperate fully with all utility companies private or public and will notify all such companies at least twenty-four hours prior to excavating in the vicinity of any utility. It is understood that the Contractor has considered in his bid the existence of the various utilities and that no additional compensation will be allowed for any delays, inconvenience, or damage sustained by him due to any interference by said utilities.

The Contractor shall pay the serving utility for their services rendered for the connection of the overhead service connections.

DRAINAGE (Supplementing Subsection 7.13)

It shall be the Contractor's responsibility to maintain proper drainage in the areas under construction until the final system is put into use. Existing drainage shall not be taken out of service without prior written notice to the City.

All impacted existing pipes and structures within the limits of this contract shall be left in a clean and operable condition at the completion of the work. It shall be the responsibility of the Contractor to make certain that new drainage systems carrying run-off from the limit of this project operate efficiently to their points of discharge into existing systems. Debris in pipes and structures, including deposition of hazardous material as a result of the Contractor's operations shall be removed by the Contractor in accordance with state and federal guidelines without compensation. All existing pipes to be abandoned shall be plugged with brick masonry not less than eight (8) inches in thickness in conformance with the MassDOT Standard Specifications, Section 201.62.

Drainage castings in new pavement areas shall be installed at base or binder course grade, as directed by the Engineer, and reset to proposed finish surface grade prior to placement of the pavement surface course.

All the above work shall be included under the relevant drainage item without additional compensation. Any adjustments made to new drainage structures will be included under the contract unit price for the respective structures. No separate payment will be made for the maintenance of the existing drainage system or for plugging of pipes, but all costs in connection therewith shall be included in the unit prices bid for the various Contract items.

DRAINAGE SYSTEM

It shall be the Contractor's responsibility to maintain a proper drainage system at all times in the areas under construction. Existing drainage shall not be taken out of service without prior written notice to the City. All pipes and structures installed as part of this Contract shall be left in a clean and operable condition at the completion of the work.

Drainage castings in new pavement areas shall be installed at base or binder course grade, as directed by the Engineer, and reset to proposed finish surface grade prior to placement of the pavement surface course.

All existing pipes to be abandoned shall be plugged with brick masonry not less than eight (8) inches in thickness in conformance with the MassDOT Standard Specifications, Section 201.62.

No separate payment will be made for the maintenance of the existing drainage system or for plugging of pipes, but all costs in connection therewith shall be included in the unit prices bid for the various Contract items.

DRAINAGE STRUCTURES

Where new pipe is shown on the drawings to be connected into an existing drainage structure to remain, the existing structure shall be first cleaned to remove all mud, debris and other material. The existing structure wall shall be carefully and neatly cut to provide the minimum size opening required for the insertion of the new pipe. The proposed pipe end shall be set or cut off flush with the inside face of the existing structure wall and the remaining space around the pipe completely filled with cement grout for the full thickness of the structure wall.

Existing shaped inverts shall be reconstructed, as necessary to provide a smooth and uniform flow channel from the new pipe through the existing structure.

No separate payment will be made for the cost of connecting new pipes into existing structures, cleaning and necessary alterations of existing structures, but all such costs shall be taken as included in the unit prices bid for the various pipe and structure items. In addition, no separate cost will be made for existing frame and grate (or cover) to be removed and stacked but shall be made incidental to the appropriate drainage structure items, whether it be adjusted, change in type, remodeled, abandoned, removed, or proposed.

PROTECTION OF PERSONAL PROPERTY

The Contractor shall exercise due care when working around all personal property and roadside features which are to remain. Trees to remain within work limits shall have tree protection. Any damage resulting from the actions of the Contractor, shall be replaced and/or repaired by the Contractor as directed by the Engineer. No further compensation will be due the Contractor for the materials and labor required to protect personal property, roadside features to remain or protection for trees.

SAWCUTTING

All edges of excavation made in existing pavements, driveways and sidewalks shall be squared by sawcutting with power-driven tools to provide a neat, clean edge for joining new pavement and sidewalks. Ragged, uneven edges shall not be accepted.

Areas which have been broken or undermined shall be edged neatly with a minimum disturbance to remaining pavement or sidewalks.

All sawcutting, except for box widening, will be considered incidental to the associated bid items. Additional sawcutting may be required to prevent damage to adjacent structures as directed by the Engineer.

Saw-cut surfaces shall be sprayed or painted with a uniform thin coat of RS-1 asphalt emulsion immediately before placement of bituminous concrete material against the surface.

FINE GRADING AND COMPACTION

All areas consisting of existing subbase, newly placed subbase, or any other location where fine grading and compaction is necessary, or directed by the Engineer, prior to the installation of top or finish courses shall be thoroughly fine graded and compacted to provide a neat, clean surface for the installation of new materials.

WORK SCHEDULE (Supplementing Subsection 8.02)

Work on this project is restricted to 7:00 A.M. to 4:30 P.M. for **Daytime** work (be advised that the City of Newton may restrict work on arterial streets between the hours of 7:00 A.M. to 9:00 A.M. and from 3:30 P.M. to 4:30 P.M. in certain situations as designated by the Engineer), 8:00 P.M. to 5:00 A.M. of the next day for **Nighttime** work, and 8:00 A.M. to 4:30 P.M. for **Weekend** (Saturday and Sunday) work (be advised that the City of Newton may restrict work on arterial streets between the hours of 7:00 A.M. to 9:00 A.M. and from 3:30 P.M. to 4:30 P.M. as well on the weekend. in certain situations as designated by the Engineer). The Contractor is further advised that the hours of operations are set by law. In addition, no weekend or holiday work will be allowed unless special permission is granted. Any work to be completed as part of Nighttime or Weekend time shall be approved or directed by the Engineer. Nighttime work also requires a Noise Waiver from the Mayor's Office. These stipulations apply to the Prime Contractor and all Subcontractors working on the same shift. The Prime Contractor will have superintendent on site whenever work is being performed. No work shall be done on this contract on Saturdays, Sundays, or Holidays, unless approved by the City in advance. Work will not be allowed the day before or the day after a long weekend, which involves a holiday without prior approval by the City. Exceptions may be taken if so stated in the Contract Documents.

There shall be no work beyond the winter shut down date, unless approved in writing by the Engineer. Workdays shall be continuous to the winter shut down. No additional compensation shall be made for variations in Work Schedule required by the Engineer, and all costs associated with complying with work schedule shall be considered part of the contract bid price.

SCHEDULE OF OPERATIONS (Supplementing Subsection 8.02)

The Contractor shall construct each phase in order as shown in the limits of work unless otherwise directed or approved by the Engineer. The Contractor may work on more than one phase at a time, coordinated with and approved by the Engineer. It shall be the Engineer's option to alter the phasing of work at any time during the project when a change is deemed to be in the best interest of the public. It should be noted that any costs of delays, incurred by these procedures, or changes in these procedures shall be deemed to be included in the contract prices bid and not cause for additional compensation.

PROVISIONS FOR TRAVEL AND PROSECUTION OF WORK (Supplementing Subsection 8.03)

Before starting any work under this Contract, the Contractor shall submit a Schedule of Operation, as provided in Section 8.02. This work schedule shall include a plan of his construction procedures, detours, and the traffic safety devices he will use during the prosecution of the work as set forth in Section 850.

Any area which the Contractor may require for storage of equipment and materials, or for other purposes necessary in the performance of the work, shall be secured by the Contractor at his own expense. Materials, including excavation intended for backfill, shall not be stored or stacked on roadway surfaces unless specifically permitted by the Engineer.

In general, the Contractor shall coordinate his work with the work to be done by the public utilities or other agencies and shall so schedule operations as to cause the least interruption to the normal flow of traffic. The Contractor may be required to temporarily suspend operations, when such are considered by the Engineer to be a hindrance hazard to traffic.

The Contractor shall not proceed with surfacing operations without written approval of the Engineer. The Contractor shall provide for the removal of all material spilled from his trucks on existing pavement or other property over which it is hauled, or otherwise deposited thereon whenever, in the judgment of the Engineer, the accumulation is sufficient to cause the formation of mud or dust or interfere with drainage or create a traffic hazard.

In case of damage to utilities, the Contractor shall promptly notify the Owner and shall, if requested, furnish manpower under the owner's direction in getting access to the utility. Pipes or other structures damaged by the operation of the Contractor may be repaired by the owner, either the municipality or the utility company.

The cost of such repairs shall be borne by the Contractor without compensation.

The Contractor shall determine the exact location of all existing utilities before commencing work. Contractor agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities. The Contractor shall include in his bid a sufficient allowance to cover the cost of any exploratory excavations, which are needed to verify utility locations and to accomplish all of the required work.

The Contractor shall be responsible for maintenance of flow in all water courses, drains, and other pipes in the way of the proposed work or for any conveyance of the flow to a suitable point of discharge in such a manner that there will be no flow upon or hindrance to other work or cause nuisance of any kind.

Roadways under construction shall remain open to local traffic at all times during the period of time required for the completion of the work, except when specifically directed otherwise by the City. At least one lane of traffic in each direction must be maintained at all times on all roads and all existing turning movements must be maintained through construction. Pedestrian and vehicle access to all abutting properties shall be maintained except for very short periods of time for passing of active construction equipment and vehicles working in the immediate adjacent rights-of-way. When it is necessary to deny access to a property, the Owner shall be informed at least 48 hours in advance and alternative provisions made. **An accessible route for pedestrians shall be made available at all times and shall be properly maintained as such. The accessible route shall be equal to the distance of the route provided to able pedestrians.**

Facilities shall be provided by the Contractor for the safe and convenient passage of pedestrians and vehicles through the project. Particular care should be taken to establish and maintain methods and procedures which will not create unnecessary or unusual hazards to public safety. The placement of necessary devices will be for daily work periods and shall be removed after the completion of work operations.

All proposed utility work must be completed before roadway rehabilitation begins on a particular roadway. Roadway excavations must be squared-off at the end of each day and any open trenches shall be backfilled and covered with steel plates. Backfilling and plating shall be considered incidental to the project and not be cause for additional compensation.

The Contractor may begin excavation at either end of the project, but must continue from that end to the completion of the project. During non-working hours, no lateral drop-offs will be permitted within the area of excavation. The excavated areas shall be squared-off and ramped longitudinally at a rate of 12:1 or flatter to meet existing surfaces.

The City reserves the right to alter the lengths of excavation and other operations, for the convenience of the traveling public and abutting property owners.

General Provisions for Travel and Prosecution of Work

The contractor, as directed by the Engineer, is responsible for the furnishing erecting, and maintaining the signing of the roadways, and the proper removal of the signs upon the completion of the project. Compensation for signing will be provided under the provisions of Section 850 and under the respective items therein.

Reconstruction work on the project shall not commence until the stage construction signing and traffic barriers as described in the MUTCD have been installed and approved.

Particular care shall be taken to establish and maintain such methods and procedures as will not create hazards of an unusual nature. Access to abutting properties shall be maintained in a responsible and safe manner for the duration of the construction period.

The design and placing of all safety devices shall be with the approval of the Engineer. Payments of work and materials involved in providing adequate safety procedures shall be as specified in Section 850.

The Contractor shall carry on his work concurrently and in conjunction with the Utility Companies involved with the project so as to provide for all possible cooperation towards the satisfactory completion of the work with minimum delay and inconvenience. The Contractor shall be responsible for coordination of all utility work within the project limits.

Roadway excavation must be squared-off at the end of each day. At the end of each workday, any open utility trenches shall be backfilled and covered with steel plates. Backfilling and plating shall be considered incidental to the project and not be cause for additional compensation.

The Contractor shall be responsible for maintenance of flow in all water courses, drains and other pipes in the way of the proposed work or for any conveyance of the flow to a suitable point of discharge in such a manner that there will be no flow upon or hindrance to other work or cause nuisance of any kind.

Lowering of structures in areas of full depth construction shall be considered to be for the Contractors convenience and not cause for additional compensation. Rebuilding and adjustment of such structures shall be measured and paid for under the appropriate pay items.

The castings of all structures, which are required to be set or reset under this project, shall not be set complete in place to the final grade until after the bituminous concrete binder course has been completed and top course is scheduled to be completed within ten calendar days.

The Contractor shall order all materials and services required for the work immediately after the execution of the contract. The Contractor shall not start any operation until all materials required for the operation are at the site or until the Engineer is satisfied that the materials will be delivered in such order that there will be no interruption to continuous and efficient progress.

Roadways under construction shall remain open to local traffic at all times during the period of time required for the completion of the work except when specifically directed otherwise by the Engineer.

Reasonable facilities shall be provided by the Contractor for the safe and convenient passage of pedestrians and vehicles through project areas within the public right-of-way and where required by the Engineer at all times.

The placement of warning devices will be for daily work periods and shall be removed after the completion of work operations. Signs having messages that are irrelevant to normal traffic conditions will be removed or properly covered at the end of each work period. Signs are to be kept clean at all times and legends shall be distinctive and unmarred.

The Contractor shall take necessary precautions to avoid spillage from his trucks onto the traveled ways. Any material which may drop from the vehicles when being hauled over the street shall be removed immediately by the Contractor.

SAFETY CONTROLS FOR CONSTRUCTION OPERATIONS (Supplementing Subsections 850.21 and 850.61)

Unless otherwise provided for by specific items in this contract, furnishing safety controls for construction operations shall be considered incidental to this contract and the costs for safety controls shall be included in the various price for those contract items requiring such controls.

Positioning, adjusting and re-positioning of all devices such as traffic cones, drums, barricades, concrete barriers, high level warning devices, etc., not otherwise paid for under other items in this contract, is considered incidental and no separate payment will be made.

Signs having messages that are irrelevant to normal traffic conditions will be removed or properly covered at the end of each work period. Signs are to be kept clean at all times, and legends shall be distinctive and unmarred. The Contractor shall provide, place and erect all necessary barricades and warning signs and maintain adequate lights and illumination therefore. He shall be held responsible for all damage to the work due to any failure of signs and barricades needed to protect the work from traffic, pedestrians, or other causes.

Construction Signing and maintenance of Traffic will be paid for under Item 852.01.

TEMPORARY TRAFFIC CONTROL PLAN

Construction Staging and Scheduling

The Contractor shall prepare and submit to the Engineer a proposed work schedule which complies with the plans and specifications. No work shall start until the Engineer's approval of the schedule is received.

The Contractor shall notify the City of Newton 14 calendar days before construction starts.

Materials, including excavation intended for backfill, shall not be stored or stacked on roadway surfaces unless specifically permitted by the Engineer.

The following are the suggested stages to be followed in the prosecution of this contract. No work on any stage may begin unless all requirements of the previous stages have been met. It shall be the Engineer's option to alter the sequence of work for the project at any time during the project when a change in sequence of work is deemed to be in the best interest of the Public. It should be noted that any costs of delays, incurred by these procedures, or changes in these procedures shall be deemed to be included in the contract prices bid and not cause for additional compensation.

Sequence of Construction

It is the intent of these Special Provisions to minimize the construction impacts to the traveling public and abutting property owners by limiting the extent of roadway excavation and requiring the restoration of a weather-tight pavement surface as stipulated in the plans and specifications. All proposed underground installations must be in place prior to the beginning of any roadway paving.

The Contractor, as required or as directed by the Engineer, shall lower utility castings to ensure that any interim roadway condition is safe for the traveling public. The demolition, plating, and rebuilding of utility structures as required by interim conditions shall be considered incidental to the project and not cause for additional compensation.

The Contractor, as required or as directed by the Engineer, shall provide temporary backfill to ensure that any interim sidewalk condition is safe for the traveling public and provides access to all abutters. Gravel may be used as temporary fill. The placement, compaction and subsequent removal of temporary fill as required by interim conditions shall be considered incidental to the project and not cause for additional compensation. Unless directed otherwise by the Engineer, temporary gravel sidewalk surfaces shall remain in place for no more than 7 calendar days where upon the temporary fill will be removed and replaced with the final sidewalk surface.

Intermediate course will be placed on completed base course sections when there is sufficient distance to permit efficient placement operations. Only after the entire project has been completed to intermediate course level will the top course material be allowed to be placed.

The Engineer reserves the right to alter the lengths of excavation and other operations in order to ensure the safety of the traveling public and abutting property owners.

General

The following general conditions will be followed unless otherwise directed by the Engineer.

- Except as permitted by the Engineer, during the day a minimum of one travel lane in each direction must be maintained at all times.
- At least one sidewalk on one side of the street shall remain open at all times.
- Pedestrian and vehicle access to all abutting properties shall be maintained except for very short periods of time. When it is necessary to deny access to a property, the owner shall be informed at least 48 hours in advance.
- Utility work shall be done prior to the roadway construction operations. The Contractor shall coordinate his work with the City and the utility companies.
- The Contractor shall coordinate his activities with construction operations that may be undertaken concurrently by others.

ENVIRONMENTAL CONTROLS

Contractor shall control all dirt, dust erosion and other related construction emissions from the project to the satisfaction of the City. Contractor shall compile with all applicable local, state and federal environmental regulations and permit requirements.

The Contractor shall clean and flush all affected drainage structures at the end of the work to the satisfaction of the engineer. The price associated with this work will be deemed incidental to the contract.

All construction equipment shall be fitted with suitable muffling devices so that the noise from construction operation shall be properly controlled. The Contractor shall control all dirt, dust erosion and other related construction emissions from the project to the satisfaction of the Designated Agent.

Calcium chloride for roadway dust control and/or water for roadway dust control shall be applied in accordance with Section 440 at the direction of the Engineer. All costs in connection with the application of calcium chloride and/or water shall be included in the various payment items and no additional compensation will be made.

EXCAVATION SUPPORT

Where the Work of the project requires installation of excavation support systems, the furnishing, installing, maintaining, and final removal as required shall be considered incidental to the item to which it pertains. Dewatering, when required, including disposal in accordance with State and Federal guidelines shall also be considered incidental.

TEMPORARY LIGHTING

Where night work activity is required by the Engineer, the Contractor shall furnish temporary lighting in accordance with the requirements of Subsection 850 and all other equipment as may be necessary to perform construction activity at nighttime. All equipment shall meet the approval of the Engineer. All work to furnish, install, relocate and remove temporary lighting shall be considered incidental to the general work of the project and no separate payment will be made.

DISPOSAL OF SURPLUS MATERIALS

All existing and other materials not required or needed for use on the project, and not required to be removed and stacked, shall become the property of the Contractor and shall be removed from the site during the construction period and legally disposed of. No separate payment will be made for this work, but all costs in connection there with shall be included in the prices bid for various contract items.

CLEARING AND GRUBBING

No tree, including trees in clear & grub areas, shall be removed prior to receiving approval of the City of Newton. The removal of all trees shall be coordinated with the City of Newton prior to removal. The clearing and grubbing work shall be considered incidental to the Contract. No separate payment shall be made for clearing and grubbing.

TRAFFIC OFFICERS

Uniformed Traffic Officers will be required during the construction period and shall be paid for directly by the City. It shall be the responsibility of the Contractor to arrange for the necessary police details when approved by the City for each police detail required. This request and approval may be verbal or in writing at the discretion of the City. 48-hour notice to the Police Department is required.

The City will pay the exact charges for police details ordered, with the approval of the Engineer, by the Contractor for this project. There will be no administrative fee, mark-ups, or any other additional costs paid to the Contractor.

If the Contractor fails to cancel any police detail not needed, by the required deadline as set forth by the Newton Police Department, the cost for such detail as invoiced to the City shall be deducted from the total reimbursement to the Contractor, unless otherwise waived by the City. There will be no separate payment for the Contractor's coordination with the Police Department or City to obtain police details.

ITEMS

The following items reflect special conditions particular to this project. As such, they amend and/or supplement the provisions governing the Item, as described in the Standard Specifications.

DEFINED TERMS (Supplementing Subsection 1.03)

Throughout the MassDOT Standard and Supplemental Specifications, wherever the term “the Department” appears it shall be replaced with “the Owner”, which term shall be defined to mean the City of Newton, acting through its Department of Public Works.

COVID 19 GUIDELINES AND PROCEDURES

Per Subsection 5.09 – Inspection of the Work - the Contractor is required to provide assistance to the Engineer to make a complete and detailed inspection of the work. That assistance includes furnishing equipment to perform the inspection, therefore the Contractor will be required to provide CDC compliant Personal Protective Equipment (PPE) to City or City-contracted personnel field staff. The CDC compliant PPE shall consist of face masks, gloves and eye protection.

All costs associated with compliance with this provision are considered to be incidental to the contract cost and therefore the Contractor will not be entitled to any additional compensation.

DESIGNER/PROJECT MANAGER

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NOTICE TO OWNERS OF UTILITIES (Supplementing Subsection 7.13)

Written notice shall be given by the Contractor to all public service corporations or municipal and State officials owning or having charge of publicly or privately owned utilities of his intention to commence operations affecting such utilities at least one week in advance of the commencement of such operations. The Contractor shall, at the same time, file a copy of such notice with the Engineer.

Before commencing work on service connections, the Contractor shall be responsible for contacting the Electric Company servicing the area to obtain construction requirements, standards, and to give adequate notice of commencement of work. The Contractor's attention is further directed to the requirements of work in the immediate vicinity of certain underground structures and poles as shown on the construction plans.

NATIONAL GRID EMERGENCY TELEPHONE NUMBERS

GAS:
Emergency: 1-800-233-5325
New Service: 1- 877-696-4743
Customer Support: 1-800-732-3400

EVERSOURCE EMERGENCY TELEPHONE NUMBERS

ELECTRIC:
Outage/ Emergency: 800-592-2000 or 844-726-7562
New Service: 1-888-633-3797 (1-888-need pwr)
Customer Support: 1-800-340-9822

The following are the local contact names and addresses of some of the agencies which may be affected and must be notified. Completeness of this list is not guaranteed. The Contractor shall ensure that all affected agencies are notified.

City Contract: Lou Taverna, ltaverna@newtonma.gov, (617) 796-1020
 Public Buildings Contact: Josh Morse. jmorse@newtonma.gov, (617) 796-1608
 Police: Lieutenant Chuck Leone, cleone@newtonma.gov, (617) 796-2146
 Fire: Fire Prevention line, (617) 796-2210
 Fire Alarm & Wires Division: Glenn Manning (617) 796-2256
 Tree Warden: Marc Welch (617) 796-1500
 Water/Sewer/Drain: Bob Sullivan, Livio Cence (617) 796-1640
 Gas: National Grid, Tammy Saporitio, 978-270-5205 tammy.saporitio@nationalgrid
 Electric: Eversource, Kim Khounesombat kim.khounesombat@eversource.com
 MWRA: Ralph Francesconi, (617) 305-5827
 Comcast: Manual Furtado (508) 884-2362
 RCN: Joe Volpe (617) 828-6904
 Verizon: Stanley Usovicz, stanley.j.usovicz@verizon.com

A list of public and private utilities can be found on the MassDOT Highway Division website at: <https://www.mass.gov/info-details/utility-contacts-by-district-and-municipality>

Select District 6 → (Newton), and then locate the utility. The Contractor shall inform the following officials in each area that he is assigned to work:

Superintendent, DPW,
 Superintendent, Water & Sewer Department,
 Police and Fire Departments,
 Electric Department

The following are the names of owners and representatives of the principal utilities affected, but completeness of this list is not guaranteed by the Department (See above for local contacts):

Eversource Electric “A” 1165 Massachusetts Avenue Dorchester, MA 02125		Terence Doonan terence.doonan1@eversource.com 617-541-5714
National Grid Gas 40 Sylvan Road Waltham, MA 02451		Melissa Owens Melissa.Owens@nationalgrid.com 781-907-2845
Enbridge 8 Wilson Way Westwood, MA 02090		Kathy M. Aruda Kathleen.aruda@enbridge.com 508-938-7728
Verizon 385 Myles Standish Blvd. Taunton, MA 02780		Karen Mealey Karen.m.mealey@verizon.com 774-409-3160
Water & Sewer Newton DPW 1000 Commonwealth Avenue Newton Centre, MA 02459		Thomas Fitzgerald tfitzgerald@newtonma.gov 617-796-1623
MWRA 2 Griffin Way Chelsea, MA 02150		Ralph Francesconi Ralph.francesconi@mwra.state.ma.us 617-305-5827

MWRA 2 Griffin Way Chelsea, MA 02150		Kevin McKenna Kevin.McKenna@mwra.state.ma.us 617-305-5956
MBTA Document Control Group 500 Arborway Boston, MA 02130		Tyler Scott tscott@mbta.com
RCN 956 Massachusetts Avenue Arlington, MA 02476		Alex Ortiz alex.ortiz@rcn.net 781-316-8878
Comcast Cable PO Box 6505, 5 Omni Way Chelmsford, MA 01824		Wendy Brown Wendy_Brown@comcast.com 978-848-5163
AT&T 50 Mall Road – Suite 203 Burlington, MA 01803		Hayleigh Walker Hayleigh.walker@sienaengineeringgroup.com 781-221-8400
Crown Castle 80 Central Street Boxborough, MA 01719		Mark Bonanno mark.bonanno@crowncastle.com 508-616-7818
Eversource Fiber 247 Station Drive Westwood, MA 02090		Tom Fadipe Oloruntomi.fadipe@eversource.com 781-441-3864
Fire Alarm Newton Fire Alarm & Wires 1164 Centre Street Newton Centre, MA 02459		Glenn Manning gmanning@newtonma.gov 617-796-2256
Newton DPW 1000 Commonwealth Avenue Newton Centre, MA 02459		Lou Taverna ltaverna@newtonma.gov 617-796-1020
Zayo Company 2 Royce Lane Westfield, MA 01886		Richard Moran Richard.moran@zayo.com 978-844-7525
Lumen 1025 Eldorado Blvd. Broomfield, CO 80021		Renoy Thomas relocations@lumen.com 516-712-3041

CITY OF NEWTON

CONSTRUCTION SPECIFICATIONS

ITEMS

The following items reflect special conditions particular to this project. As such, they amend and/or supplement the provisions governing the Item, as described in the Standard Specifications.

METHOD OF AWARD

TO ENSURE CONTRACTOR ACCOUNTABILITY, THE OWNER INTENDS TO AWARD ALL ITEMS TO A SINGLE CONTRACTOR. ACCORDINGLY, CONTRACTORS MUST BID ON ALL ITEMS OF WORK, AND THE LOW BIDDER WILL BE THE CONTRACTOR WHOSE TOTAL BID PRICE IS THE LOWEST. THE BID QUANTITIES ARE NOT GUARANTEED, AND THEIR PRIMARY PURPOSE IS FOR THE DETERMINATION OF THE LOW BIDDER.

102.511	TREE PROTECTION - ARMORING AND PRUNING	EA
120	EARTH EXCAVATION	CY
120.1	UNCLASSIFIED EXCAVATION	CY
150	ORDINARY BORROW	CY
151	GRAVEL BORROW	CY
170	FINE GRADING AND COMPACTING - SUBGRADE AREA	SY
220	DRAINAGE STRUCTURE ADJUSTED	EA
402	DENSE GRADED CRUSHED STONE FOR SUB-BASE	CY
415.2	PAVEMENT FINE MILLING	SY
443	WATER FOR ROADWAY DUST CONTROL	MGL
450.23	SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5)	TON
451	HMA FOR PATCHING	TON
452	ASPHALT EMULSION FOR TACK COAT	GAL
453	HMA JOINT ADHESIVE	FT
472	TEMPORARY ASPHALT PATCHING	TON
492.101	FOG SEAL - POLYMER MODIFIED	GAL
504	GRANITE CURB TYPE VA4 - STRAIGHT	FT
509	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - STRAIGHT	FT
509.1	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - CURVED	FT
580	CURB REMOVED AND RESET	FT
594	CURB REMOVED AND DISCARDED	FT
697.1	CATCH BASIN INLET PROTECTION	EA
701	CEMENT CONCRETE SIDEWALK	SY
701.2	CEMENT CONCRETE PEDESTRIAN CURB RAMP	SY
701.21	DETECTABLE WARNING PANEL	SY
702	HOT MIX ASPHALT SIDEWALK OR DRIVEWAY	TON
708.1	ROOT BARRIER	LF
748	MOBILIZATION	LS
751	LOAM FOR ROADSIDES	CY
765	SEEDING	SY
770.2	PLANTING MAINTENANCE	LS
772.1	PICEA ORIENTALIS 6-8'HT	EA
772.2	JUNIPERUS VIRGINIANA 5-6' HT	EA

778.3	BETULA NIGRA ' DURA HEAT' 8-10';MULTI STEM	EA
778.4	BETULA NIGRA ' DURA HEAT' 10-12' HT'; SINGLE STEM	EA
782.537	CERCIS CANADENSIS 2-2.5" CAL	EA
783.1	MACLURA POMIFERA 'WHITE SHIELD'	EA
783.2	MAGNOLIA VIRGINIANA 10-12' HT	EA
783.3	PARROTIA PERSICA 'VANESSA' 2-2.5" CAL	EA
789.334	MYRICA PENNSYLVANICA - 24-30" B&B	EA
794.332	RHUS AROMATICA 'GROW LOW' -24"-2 GALLON	EA
794.35	ILEX GLABRA -30-36" B&B	EA
794.736	ARONIA MELANOCARPA - 30-36" B&B	EA
794.738	CLETHRA ALNIFOLIA - 30-36" B&B	EA
795.1	VIBURNUM DENTATUM - 3-4' B&B	EA
796.1	AMSONIA TABERNAEMONTANA - 1 GALLON	EA
796.2	DESCHAMPSIA FLEXUOSA- 2 GALLON	EA
796.3	ECHINACEA PURPUREA- 1 GALLON	EA
796.4	PANICUM VIRAGATUM - 2 GALLON	EA
796.5	SCHIZACHYRIUM SCOPARIUM- 2 GALLON	EA
832	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A)	SF
834.12	SPRING LOADED REFLECTORIZED FLEXIBLE DELINATOR POST 36" WHITE OR YELLOW	EA
834.129	SPRING LOADED REFLECTORIZED FLEXIBLE DELINATOR POST 36" WHITE OR YELLOW - ADDITIONAL POSTS	EA
834.287	PRECAST CONCRETE CURBING FOR BICYCLE LANES (10' SECTION)	EA
834.289	PRECAST CONCRETE CURBING FOR BICYCLE LANES (10' SECTION) - ADDITIONAL CURBS	EA
847.1	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL	EA
852.1	TEMPORARY TRAFFIC CONTROL	LS
854.1	PAVEMENT MARKING REMOVAL	SF
864.04	PAVEMENT ARROWS AND LEGENDS REFLECTORIZED WHITE (THERMOPLASTIC)	SF
864.41	GREEN COLORIZED PAVEMENT MARKINGS	SF
866.106	6 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	FT
866.112	12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	FT
867.106	6 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)	FT
867.112	12 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)	FT
874.2	TRAFFIC SIGN REMOVED AND RESET	EA
874.41	TRAFFIC SIGN REMOVED AND DISCARDED	EA
875.1	PARKING METER REMOVED AND RESET	EA
875.2	PARKING METER REMOVED AND STACKED	EA
998.1	MODULAR BUS PLATFORMS	LS
998.2	MODULAR MEDIANS	LS
999.02	ALLOWANCE FOR TRAFFIC CONTROL	ALLOW

GENERAL

The work under this item shall conform to the relevant provisions of Items 772.1 – 796.5 and shall be for furnishing and installing temporary tree trunk protection and for minor limb pruning or removal of lower tree limbs to prevent injury to the tree from construction equipment and activities.

Trunk armoring is for instances where construction activity (the use of heavy equipment) comes close enough to potentially damage the tree trunk or limbs. It is to be used where shown on the plans and as directed by the City Tree Warden.

REFERENCES

If requested, the Contractor shall provide to the Engineer one copy of the latest edition of the American National Standards Institute (ANSI) A300 Standard Practices for Tree, Shrub, and Other Woody Plant Maintenance: Part 1- Pruning and Part 5-Construction Management Standard. Provision of reference shall be incidental to this item.

MATERIALS

Trunk armoring shall be such that it prevents damage to the trunk from construction equipment. Selected material shall be such that installation and removal will not damage the trunk.

Acceptable materials include HDPE pipes for tree trunk armoring, or, for instances when duration of construction activities is less than three months, corrugated plastic pipe mounted with duct tape. Height of cladding shall be from base of tree (including root flare) to the bottom of the first branch, eight feet above the ground, or as required by the Engineer. Material and methods shall be approved by the City Tree Warden.

Other materials or methods may be acceptable if approved by the City of Newton.

CONSTRUCTION METHODS

Prior to construction activities, the Engineer, the Contractor, and the City Tree Warden, shall review trees noted on the plans to be protected. Final decision as to trees armored and/or pruned shall be per the City Tree Warden.

Care shall be taken to avoid damage to the bark during installation and removal of armoring. Trunk armoring shall be replaced and maintained such that it is effective for as long as required and shall be removed immediately upon completion of work activities adjacent to trees.

Pruning of limbs shall conform to the techniques and standards of the most recent ANSI A300 standards.

ITEM 102.511(Continued)

DAMAGES & PENALTIES

If trees designated for protection under this item are damaged, including root damage from unapproved trespassing onto the root zone, the Contractor shall, at his own expense obtain an Arborist. The Arborist shall be approved by the City of Newton.

If, based on the recommendations of the Arborist, the City Tree Warden determines that damages can be remedied by corrective measures, such as repairing trunk or limb injury, soil compaction remediation, pruning, and/or watering, the damage will be repaired as soon as possible within the appropriate season for such work and according to industry standards.

If the City Tree Warden determines that damages are irreparable, the Contractor shall pay for the damages in the amount of \$500.00 per diameter inch at breast height (DBH) per tree.

Additionally, if the City Tree Warden determines that the damages are such that the tree is sufficiently compromised as to pose a future safety hazard, the tree shall be removed. Tree removal will include cleanup of all wood parts, grinding of the stump to a depth sufficient to plant a replacement tree or plant, removal of all chips from the stump site, and filling the resulting hole with topsoil.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Item 102.511 will be measured and paid at the contract unit price per each. This will include full compensation for all labor, equipment, materials, and incidentals for the satisfactory completion of the work and the subsequent removal and satisfactory disposal of the protective materials upon completion of the contract.

In the event of tree damage, cost of Arborist services, of remediation measures, and/or tree removal will be borne by the Contractor.

Payment under this item will be scheduled throughout the length of contract:

- a. 40% of value shall be paid upon installation of trunk armoring and completion of pruning work, if required.
- b. 60% shall be paid at the end of construction operations that would damage the tree and after protection materials have been removed and properly disposed of by the Contractor. In the event of repairable damages, payment shall be made after the completion of remediation measures.

In the event of irreparable damage due to lack of proper protective measures being taken there will be no compensation in addition to the \$500.00 per diameter inch penalty.

GENERAL

This work consists of furnishing and spray applying an asphalt emulsion fog seal to an existing asphalt open-graded friction course pavement and a dense graded (shoulder) pavement . The pavement will be textured with an abrasive shot blasting technology. Friction testing of the pre- construction and post construction friction is required. All fog seal operations must be applied before pavement markings are placed.

Quality Control Plan

A Pavement Preservation Treatment QC Plan is required. The plan must follow the NorthEast Transportation Training and Certification Program (NETTCP) Model QC Plan. The Pavement Preservation Treatment QC Plan must be submitted by the Contractor to the Engineer for review and acceptance prior to the start of work.

Definitions

Fog Seal: A light spray application of dilute asphalt emulsion used primarily to seal existing asphalt surfaces to reduce raveling and to enrich dry and weathered surfaces.

Emulsion Break: The initial separation of the water from the emulsion that can be detected by a marked color change from brown to black, and often by the release of fairly clear to straw-brown water. This break results in the deposition of the base asphalt on an aggregate or paved surface.

MATERIALS

Emulsion

Rejuvenating asphalt emulsion, CMS-1PF, shall contain a polymer and conform to the following specifications. The emulsion shall be certified as meeting this specification from the manufacturer and shall not be diluted prior to application.

ITEM 492.101 (Continued)

Property	Test Procedure (AASHTO)	Specification	
		(min)	(max)
Emulsion Properties			
Viscosity, Saybolt-Furol, @ 77°F, SFS	T59	10	100
Storage, 24 hour, %	T59		1
Oil Distillate, %	T59		0.5
Sieve Test, %	T59		0.1
Residue by Distillation ¹ @350°F, % Residue by Distillation, % by weight	T59	30	
Residue Properties From Distillation			
		T59	
Penetration @ 4C, 200g weight, 60 sec Residue by Distillation, % by weight	T49	30	
Residue Properties From Low Temp Evaporation			
		PP72-11, Procedure B	
Dynamic Shear, G*/sin @ 64oC, kPa	T315	Report Only	
Polymer Properties			
Swelling in rejuvenating agent, % max weight increase: 48 hrs	ASTM D471 ²		40%
Tensile Strength (psi)	ASTM D412a ₃	800	
Glass Transition Temperature (Tg) – Midpoint by DSC (°C)	ASTM D7426 ₄	0	
Latex Density at 23°C (g/cm3)	ASTM D6937 ₅	1.00	1.05
Latex pH	ASTM E70 ⁶	6.0	8.0
Test on Rejuvenating Agent			
Flash Point, COC, °F	T48	380	
Viscosity, 140°F, CST	201	50	175
Saturate, % by wt	ASTM D2007		30
Asphaltenes	ASTM D2007		1.0
Test on Residue			
Weight Change, %			6.5
Viscosity Ratio			3

1. Exception to AASHTO T59: Bring the temperature on the lower thermometer slowly to 350°F plus or minus 10°F. Maintain this temperature for 20 minutes. Complete the total distillation in 60 plus or minus 5 minutes.
2. Polymer Testing, Resistance to Swelling: Using a syringe, place 0.8 gm of latex into an 18 mm diameter DSR mold. Allow the sample to dry at ambient lab conditions (air conditioned) on the bench for 72 hours. Sample should be easily removable from the mold. Take the “button” out of the mold and place the sample into a forced air oven at 40°C (104°F) for 48 hours (on release paper). If at the end of the ambient dry, the sample sticks to the mold, place it into the oven and check it after 1-2 hours. After 48 hours, cool and weigh the sample to the nearest 0.0001 gram and record the weight.

Put ½ inch of Rejuvenating Agent into a 3 oz penetration tin.

Place the “button” on the Rejuvenating Agent, and add another ½ inch Of Rejuvenating Agent, so that the “button” is covered.

ITEM 492.101 (Continued)

Put the cap on the penetration tin and place it into the 40°C oven for 48 hours.

Remove the “button” from the Rejuvenating Agent, blot surface of the “button” to remove excess Rejuvenating Agent, cool the “button” to room temperature and weigh it. Calculate weight gain of the “button”, express as %.

3. To prepare the polymer film, dilute the waterborne polymer to 40% Total Solids Content and pour 57 g into a Teflon or silicone release mold of dimensions 7” X 7” X ¼”. Allow to dry at 23°C (73 °F) and 50% RH (controlled conditions) for 7 – 10 days total time, during which time the film should be flipped around once, preferable after 3 or 4 days. The film should be transparent in the end. To drive out any residual water, place the film in an oven at 50°C for 30 min. Dried film thickness should be 25 mil +- 5 mils. Discard films <20mil. Cut out dumbbell-shaped test specimens of dimension 75 mm total length, 25 mm mid-section (L) and 4 mm width of mid-section. Grip in Instron machine with gap size 1 inch, use 8 inch/min cross-head speed.
4. Use between 3 – 30 mg dry polymer. Instrument used is TA Q2000Differential Scanning Calorimeter (DSC). Heating rate is 20°C/min.
5. Replace “Emulsified Asphalt” with “Latex” in text of test method. The testing temperature used should be 25 +/- 3°C. The calculation in Section 7 should be as follows: Calculation:

$$D = (W_f - W_t) * 0.1$$

$$S.G. = D/8.337$$

Where: W_f = Weight of filled

cup (g) W_t = Weight of empty cup (g)

6. A pH meter with automatic temperature measurement should be used in the evaluation with a calomel cell assembly or combination electrode. Calibration should be made using the procedure with the pH meter, according to ASTM method, prior to testing the pH of the latex. In Section 9, the procedure for measuring pH of the latex should be as follows:
 - Place the electrode and probe into the dispersion that is to be measured and swirl the sample cup or beaker gently. (You may also use the probe in a stirring motion.)
 - Wait for the reading to stabilize (usually less than a minute) and read/record this value. Note the temperature if not utilizing an ATC probe.
 - Take the Electrode and ATC probes from the sample and rinse thoroughly with deionized water. Pat dry and place back into appropriate solution recommended by electrode manufacturer for storage.
 -

Material Certifications and Testing

The emulsion manufacturer, through the Contractor, shall submit to the Owner certified test results that the emulsion meets the specification. The polymer manufacturer and the rejuvenating agent manufacturer, through emulsion supplier and the Contractor, shall submit to the Owner certified test results on the polymer and the recycling agent that meets the required specifications. The Owner will not accept test results dated more than 90 days from the date of bid opening.

Certifications and test results on the emulsion must be submitted to the Owner and approved by the Engineer 5 days prior to supplying material. Prior to and during the project the Engineer may require samples of the finished emulsion, rejuvenating agent and the polymer used in the emulsion to be submitted to the Engineer designated laboratory for testing. All testing shall be borne by the Contractor.

ITEM 492.101 (Continued)

Aggregate

The aggregate material shall be a dry, clean, dust and dirt-free, sound, durable, angular shaped manufactured specialty sand, such as that used as an abrasive (i.e., trade name “Black Beauty”), with a Mohs hardness of 6 to 8. The Contractor shall submit manufacturer’s technical data and a manufacturer’s certification indicating that the specialty sand meets the requirements of the specification to the Engineer prior to start of construction. The sand must be approved for use by the Engineer and shall meet the following gradation limits.

Aggregate Material Gradation Sieves	Percent Retained
No. 8 (2.38 mm)	0
No. 16 (1.19 mm)	0-10
No. 20 (0.84 mm)	0-25
No. 30 (0.60 mm)	15-50
No. 40 (0.42 mm)	20-45
No. 50 (0.30 mm)	5-35
No. 70 (0.21 mm)	0-5
No. 200 (0.07 mm)	0-2

EQUIPMENT

Pressure Distributor

The emulsion shall be applied with a computer rate-controlled asphalt distributor. The equipment shall be in good working order and contain no contaminants or diluents in the tank. Spreader bar tips must be clean, free of burrs, and of a size to maintain an even distribution of the emulsion. Any type of tip or pressure source is suitable that will maintain predetermined flow rates and constant pressure during the application process with application speeds under eight (8) miles per hour or seven (700) feet per minute. Test the equipment under pressure for leaks and ensure it is in good working order before use.

The distributor truck shall be equipped with a 12-foot minimum, spreader bar with individual nozzle control. The distributor truck shall be capable of specific application rates in the range of 0.05 to 0.25 gallons per square yard. These rates shall be computer- controlled rather than mechanical. The distributor truck shall have an easily accessible thermometer that constantly monitors the temperature of the emulsion and have an operable mechanical tank gauge that can be used to cross-check the computer accuracy.

A distributor truck shall be provided, if necessary, equipped to effectively heat and mix the material to the required temperature prior to application. Heating and mixing shall be done in accordance with the manufacturer’s recommendations. Care shall be taken not to overheat or over-mix the material.

ITEM 492.101 (Continued)

The distributor shall be equipped to hand-spray the emulsion in areas identified either on the plans or by the Engineer, or not accessible to the distributor truck itself.

Calibration

Furnish all equipment, materials, and labor as necessary to calibrate the computer- controlled distributor. Perform the calibration with the specified material prior to applying the penetrating rejuvenator on the prepared surface, in accordance with applicable standards and the project specifications

Aggregate Spreader

The asphalt distributor truck shall be equipped with an aggregate spreader mounted to the distributor truck that can apply sand to the emulsion in a single pass operation without driving through the wet emulsion. The aggregate spreader shall be equipped with a variable control system capable of uniformly distributing the sand at the specified rate at varying application widths and speeds. The sander shall have a minimum hopper capacity of at least 3,000 pounds of sand.

CONSTRUCTION METHODS

Weather Limitations

Place the fog seal when both the pavement and atmospheric temperature is 50F and rising. Do not place fog seal if any of the following conditions exist:

1. Impending weather conditions do not allow for proper curing, high humidity will slow the emulsion break, or if temperatures are forecasted below 32F within 24 hours from the time of work.
2. The pavement surface is wet or rain is forecasted within 24 hours of placement.
3. The weather shall be forecast for no precipitation for a minimum of 48 hours from the end of operation.
4. The existing pavement temperature is 140F or above.

Preparation of Service

All existing pavement markings shall be eradicated prior to fog seal application and all drainage structures shall be covered in the work area as directed by the Engineer. The existing pavement shall be textured and cleaned prior to fog sealing. The texturing with shot blasting shall remove all loose abrasives, surface materials, dust and other objectionable material using vacuum, electromagnetic or other approved methods. The vacuuming shall thoroughly clean the open graded friction course pores. Remove all loose material from the pavement surface without the use of equipment that would result in debris being logged or trapped in the open graded pores.

ITEM 492.101 (Continued)

Existing Surface

Existing surface shall be repaired as directed by the Engineer prior to further construction. The emulsion will flow into the small cracks and seal them, but it cannot be expected to take the place of adequate repair of major deterioration of the pavement.

The surface shall be free from dust, loose or foreign matter and any objectionable material that would hinder adhesion of the emulsion. If the dust layer is minimal and sweeping is not deemed necessary, a very light 0.68 Um² (0.15 gal/yd²) spray of clean water prior to application can significantly improve adhesion of the tack coat or penetration into the surface cracks by the fog seal.

Allow excess water to run off before applying emulsion. Remove or repair any areas with heavy oil drippings should be cleaned with detergent or by other methods prior to spraying with emulsions.

Cover manholes, valve covers, sensors, etc. to prevent adherence of the asphalt emulsion material. Suitable covering includes plywood disks, sand, wax paper, roofing felt, or other approved methods. Remove the protective coverings prior to opening the road to traffic.

Spraying

Emulsion applied by pressure distributor shall be applied at a uniform rate, without splattering or drilling from the spray bar, by using low pressure. Nozzle angle and spray bar height must be adjusted to insure correct spray pattern.

Fog Seal

The objective for proper application of fog seal is to apply a uniform coverage of emulsion, sufficient to flow into and seal the pavement pores, small cracks, and voids, against water and weathering. Ideally, the peaks of most aggregate particles should remain uncoated with asphalt to prevent reduction of skid resistance. Two or more successive applications of the respective proportion of the desired total application can aid in preventing excess over-application. The distributor should be operated in opposite direction on each pass to minimize inconsistencies in spray-patterns.

Traffic Control

Traffic control during application shall be employed to protect the freshly sprayed emulsion until it is cured to a safe condition. Excessive pickup of the fresh emulsion by construction traffic shall be avoided especially with tack coat. Traffic volume should determine the type and extent of control needed, and safety is also a major factor, as the tack coat produces an extremely slippery film and fog seal, if over applied, reduces skid resistance and creates unsafe conditions. The pavement is to be textured with shot blasting prior to fog seal to improve surface friction. Suitable methods shall be used, such as signing, barricades, flagmen, pilot cars, etc. to protect the construction and the traveling public.

ITEM 492.101 (Continued)

Application of Asphalt Emulsion

The Contractor shall follow the construction methods as described. The desired residual asphalt applied over the open graded surface shall be in the range of 0.04 (± 0.01) gallons per square yard. The desired residual asphalt applied over the dense graded surface shall be in the range of 0.02 (± 0.01) gallons per square yard. The application rate shall be established by test strip. Application of asphalt emulsion over a test strip or strips with varying application rates shall be performed on site on shoulder to determine the optimum rate to achieve coating of the prepared surface (open graded friction course) without runoff or delayed curing times.

Apply the asphalt emulsion at the target rate(s) established during the test strip. Maintain the asphalt emulsion temperature from 120 to 160F during construction, including the start of each day. Reheat the asphalt emulsion at a rate of no more than 25 degrees F per hour whenever the asphalt emulsion is allowed to cool below 110F. If the target application rates are not the optimum application rates to achieve proper coating of the existing or newly constructed pavement surface, or if the break time is too long or too short, immediately notify the Engineer.

Adjust and document the new application rate by stationing. Do not allow the asphalt emulsion to streak on the road surface. If the Engineer determines that streaking is occurring, cease operations until the Engineer is satisfied that streaking has been eliminated. Apply the asphalt emulsion to all exposed areas of OGFC surface as shown in contract and directed by the Engineer.

Acceptance

During the application of the fog seal, inspect the fog seal for deficiencies resulting from poor workmanship, flushing, tracking from equipment, surface patterns, and sweeping. Inspect workmanship for untreated areas, minimum overlap on longitudinal joints, and minimum overlap on construction joints.

Verify the following for daily acceptance:

- Fog seal edges are neat and uniform along the roadway lane, shoulder and curb lines.
- Fog seal has no surface patterns such as lean or heavy lines.
- Fog seal has no bleeding/flushing areas.
- Fog seal uniformly covers all portions of the asphalt surface
- Blotter sand is broadcast uniformly and at the proper rate.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Work under this item will be measured and paid for at the contract unit price per GALLON of fog seal-polymer, which price shall include full payment for all costs of furnishing and applying the fog seal including all labor, equipment, sampling and testing, and all related work as incidental for a complete fog seal application over the roadway pavement.

ITEM 697.1

CATCH BASIN INLET PROTECTION

EACH

GENERAL

This work shall consist of furnishing, installing, maintaining, and removing inlet protection for catch basins (sediment control device) as directed by the City and as shown on the Contract drawings.

MATERIALS

Inlet protection shall be manufactured from a specially designed woven polypropylene geotextile and sewn by a double needle machine, using a high strength nylon thread.

Inlet protection will be manufactured to fit the opening of the catch basin or drop inlet. Inlet protection will have the following features: two dump straps attached at the bottom to facilitate the emptying of inlet protection; inlet protection shall have lifting loops as an integral part of the system to be used to lift inlet protection from the basin; inlet protection shall have a restraint cord approximately halfway up the bag to keep the sides away from the catch basin walls, this yellow cord is also a visual means of indicating when the bag should be emptied. Once the strap is covered with sediment, inlet protection should be emptied, cleaned and placed back into the basin.

CONSTRUCTION METHODS

To install inlet protection in the catch basin, remove the grate and place the bag in the opening. Hold out approximately six inches of the bag outside the frame. This is the area of the lifting straps. Replace the grate to hold the bag in place. When the restraint cord is no longer visible, the bag is full and should be emptied.

To remove the inlet protection, take two pieces of 1" diameter rebar and place through the lifting loops on each side of the bag to facilitate the lifting of the inlet protection.

To empty inlet protection, place it where the contents will be collected. Place the rebar through the lift straps (connected to the bottom of the bag) and lift. This will turn the bag inside out and empty the contents. Clean out and rinse. Return the bag to its original shape and place back in the basin.

Inlet protections are reusable. Once the construction cycle is complete, remove inlet protection from the basin and clean. Inlet protection should be stored out of the sunlight until needed on another project.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Item 697.1 Catch Basin Inlet Protection will be paid by each used, which price shall include all labor, material, equipment, and incidental costs required to complete the work.

Sediment removed from inlet protections will be handled and disposed of as described in 227.3, but the cost is incidental to Item 697.1. Maintenance of inlet protections is also to be included in this price.

ITEM 701.21

DETECTABLE WARNING PANEL

SQUARE YARD

GENERAL

Work under this item shall conform to the relevant provisions of Subsection 701 of the Standard Specifications and the following:

Detectable warning panels shall be in accordance with MassDOT Standard Drawing E 107.6.5 and installed per the manufacturer's specifications. The panels shall be 24 inches wide and the length shall be as shown on the plans or as directed. Color shall be yellow. The Contractor shall submit a sample and have the color approved prior to purchase and installation.

Detectable warning panels shall be surface mounted to existing pavement per manufacturer's instructions.

METHOD OF MEASUREMENT

Item 701.21 will be measured for payment by the square yard for detectable warning panel installed as shown on the plans.

BASIS OF PAYMENT

Item 701.21 will be paid for at the contract unit price per square yard, which price shall include all labor, materials, equipment and incidental costs required to complete the work.

Detectable warning panels installed on new curb ramps are incidental to Cement Concrete Wheelchair Ramp, Item 701.2, and will not be included for payment under this item.

ITEM 708
ITEM 708.1

PLANTER
ROOT BARRIER

EACH
LINEAR FOOT

GENERAL

Work under this item consists of furnishing and installing furniture in a vertical and level position.

Protection of installed furniture shall be for the duration of the construction activities unless otherwise directed.

SUBMITTALS

Submittals: in accordance with Section 5.0, Control of the Work.

Product Data: Submit most recent printed specifications and installation instruction from manufacturers for:

708 Planter and 708.1 Root Barrier

Samples:

Material samples for selection by Landscape Architect of the following:

Tree root barrier: One full length panel.

QUALITY ASSURANCE

Work under this Section shall be performed by a firm which has at least five (5) years' experience in work of the type and size required by this Section, workmen experienced and familiar with required construction procedures and under full time supervision of a qualified foreman and acceptable to the Owner's Representative.

Check dimensions shown on Drawings. Field verify by accurate field measurements before shop drawings preparation and submittal and fabrication of the work. Coordinate installation tolerances to ensure proper fit of items.

MATERIALS

1.PLANTER

Planter shall be STUB-PL-D235-93-CT, as manufactured by Streetlife, Herengracht 36, 2312 LD Leiden, The Netherlands, phone #484-496-8280, Contact: Alexander van Zweeden, Sales Advisor US, phone 484-496-8280 (until 11am EST)

email:avanzweeden@streetlife.com, website: streetlife.nl **or Approved Equal.**

ITEM 708 through 708.1 (Continued)

TT-Bottom Up Large with Water &Care system for tree tubs with sub-soil root ball fixing system

Size: 93" DIA

Material: untreated Corten steel, delivered unweathered

Mounting: Free Standing

2. ROOT BARRIER

Products specified as standard of quality are manufactured by DeepRoot Green Infrastructure, LLC. (DeepRoot), 530 Washington Street, San Francisco, CA 94111; 800.458.7668; fax 800.277.7668; www.deeproot.com **or approved equal.**

24" Depth, UB 24-2

Material: black, recyclable, injection molded panel manufactured with 75% reprocessed polypropylene with added ultraviolet inhibitors.

Dimensions: 0.080" (2.03 mm) wall thickness in modules 24" (609 mm) long and 24" (609 mm) deep.

Additional specifications:

3/8" (9.53mm) wide integral molded 0.060" (1.52mm) thickness double top edge with stiffening ribs; bottom edge attached to vertical root deflecting ribs.

Integral molded vertical root directing ribs; 0.060" (1.52mm) thickness by 1/2" (12.7mm) deep spaced at 6" (152mm) O.C.

Integral molded horizontal anti-lift ground lock tabs; 0.075" (1.90mm) thickness by 2" (50.8mm) long by 1/2" (12.7mm) wide; minimum twelve per panel.

Integral zipper joining system for panel connections.

CONSTRUCTION METHODS

PLANTER

Provide and install planters as per drawings and manufacturer's recommendations.

Install in conformance to applicable ADA guidelines and End User's established Accessibility policies, and in coordination with the City Tree Warden.

ITEM 708 through 708.1 (Continued)

ROOT BARRIER

Provide and install root barrier as per drawings and manufacturer's recommendations.

Install in conformance to applicable ADA guidelines and End User's established Accessibility policies, and in coordination with the owner and engineer.

METHOD OF MEASUREMENT

ITEM 708, PLANTER shall be measured for payment per the Unit EACH complete in-place as shown on the Drawings and as specified herein to consist of all labor materials and equipment, maintenance, and all other incidentals, or as required by the Engineer.

ITEM 708.1, ROOT BARRIER shall be measured for payment per the Unit LINEAR FOOT complete in-place as shown on the Drawings and as specified herein to consist of all labor materials and equipment, maintenance, and all other incidentals, or as required by the City Tree Warden.

BASIS OF PAYMENT

ITEM 708, PLANTER will be paid for at the contract unit price EACH as specified above. The unit price shall constitute full compensation for complete compliance with requirements of this item, including all labor, materials, tools, equipment and incidentals required for the installation as detailed and where indicated or required by the Engineer.

The work includes furnishing and installing each item complete in place, including sand layer with filter fabric, anchoring hardware and fasteners, cleaning, protecting the items from damage and all incidental work not included for payment elsewhere.

ITEM 708.1, ROOT BARRIER will be paid for at the contract unit price LINEAR FOOT as specified above. The unit price shall constitute full compensation for complete compliance with requirements of this item, including all labor, materials, tools, equipment and incidentals required for the installation as detailed and where indicated or required by the Engineer. The work includes furnishing and installing each item complete in place, including sand layer with filter fabric, anchoring hardware and fasteners, cleaning, protecting the items from damage and all incidental work not included for payment elsewhere.

ITEM 770.2

PLANTING MAINTENANCE

LUMP SUM

GENERAL

This work under this item shall include Plant maintenance including pruning, drainage, irrigation, fertilizing, weed and pest control, and adjusting tree guys, guaranty and replacement of unacceptable plants, providing Owner with Maintenance Manual, except as amended and supplemented as indicated on Contract Drawings, as specified herein and as directed by the Engineer.

SUBMITTALS

Materials List: provide list of materials to be used in maintenance; materials shall be the same as approved in related sections:

Fertilizers, soil amendments, testing

See Item 751 Loam

Plant materials, mulch, and related materials

See Item 771 Planting Trees, Shrubs and Groundcover

Pest and Disease Treatment

Submit plan for pest and disease treatment; identify proposed materials and methods. Explain why a problem does or may exist.

Maintenance Manual

Provide a maintenance manual to Owner describing operations for on-going upkeep of the installed plants. The manual shall address itself to specified types and uses of plants installed, and provide information for care of both newly installed plants and long-term maintenance.

Provide specific information on the following items:

Watering: Watering season; diagnosis of watering need; frequency of watering; amount; time of day; methods and equipment; equipment maintenance.

Fertilization: Fertilizing seasons; analysis for fertilizer selection; application rates and methods; preparation and conditions; application times; application equipment; post-application operations and care; precautions for fertilizer use.

Liming: Liming season; analysis for liming; application rate; method and equipment for application.

ITEM 770.2 (Continued)

Pruning: Pruning goals and purposes; methods and techniques (relate to species); equipment; season; cleanup and disposal; precautions.

Mulching of beds: Depths of mulch; refreshment and replacement of mulch.

Miscellaneous plant maintenance: Weeding and weed control; pest and disease control; leaf and litter removal; bed edging; professional assistance for plant care; and plant replacement as necessary.

Include a month-by-month calendar of maintenance procedures, indicating operations listed above.

Submit a copy of maintenance manual to Engineer for approval. Submit prior to planting completion. Engineer may request revisions to manual to meet intent of project design.

Submit three copies of manual to Owner at acceptance meeting for planting work. Acceptance shall not be granted until manual has been submitted and approved.

MATERIALS

Materials utilized during the maintenance period shall be the same specified in the work of the related sections:

Fertilizers, Soil Amendments, Testing, see Item 751 Loam

Plants, mulch, and related materials

See Item 771 Planting Trees, Shrubs and Groundcover

Biological, horticultural, herbicidal and Other Pest Control

Shall be by a licensed pest control operator, with authority to purchase, utilize, and specify agricultural chemicals and agricultural products. Use the least hazardous, least intrusive materials and methods.

Equipment

Vehicles: in good working order so oil and grease does not stain pavements and poison plantings. Signs identifying the vehicles shall be clearly displayed.

Machinery: in good working order so oil and grease does not stain pavements and poison plantings.

Water

Furnished by Contractor, suitable for irrigation and free from ingredients harmful to plant life, until available from on-site source. Hose and other watering furnished by Contractor.

ITEM 770.2 (Continued)

CONSTRUCTION METHODS

Substantial Completion

Upon completion of planting, request Landscape Architect review to determine if work is Substantially Complete. If work is determined to be Substantially Complete, Landscape Architect will issue a Letter of Substantial Completion that establishes the effective date of the start of the two-year Maintenance Period and two-year Guaranty Period.

If work is not substantially complete, Landscape Architect will make a list of outstanding work to be done on a timely schedule agreed upon by Contractor and Landscape Architect.,

Contractor shall notify Landscape Architect when outstanding work is accomplished and ready for review. When outstanding work is complete, in the judgment of Landscape Architect, a Letter of Substantial Completion will be issued.

Maintenance Period

Maintain plantings until the end of two-year Maintenance Period and two-year Guaranty Period or until Final Acceptance.

Final Acceptance

After the (2) two-year Guaranty Period, plantings will be reviewed for acceptance.

Plantings shall be in thriving and vigorous condition at the time of review for Final Acceptance. If plantings are acceptable, Engineer will issue a Letter of Final Acceptance.

If plantings are not thriving, in the judgment of Engineer, remedial actions by Contractor will be required to replace plantings.

Remedial work shall be done immediately and in accordance with related work of other sections.

At the conclusion of remedial work, Engineer will review work and extend the Guaranty Period until plantings are deemed acceptable.

At the completion of the second year of the Guaranty Period, plantings will be reviewed.

Plantings shall be in thriving and vigorous condition at the time of review for Final Acceptance. If plantings are acceptable, Landscape Architect will issue a Letter of Final Acceptance.

If plantings are not thriving, in the judgment of Engineer, remedial actions by Contractor will be required to replace plantings.

Remedial work shall be done immediately and in accordance with related work of other sections.

ITEM 770.2 (Continued)

At the conclusion of remedial work, Landscape Architect will review work and extend the Guaranty Period until plantings are deemed acceptable.

Replace plants that are dead or, as determined by Landscape Architect, are in an unhealthy or unsightly condition, and have lost their natural shape due to dead branches, or other causes.

End of Guaranty Period: one year from date of Preliminary Acceptance, Landscape Architect will review plantings. If plantings are acceptable, Landscape Architect will issue a letter of Final Acceptance. If plantings are unacceptable, plantings shall be replaced until condition of plantings are acceptable as determined by Landscape Architect.

Upon receipt of letter of Final Acceptance, the project becomes responsibility of the Authority.

Examination

Verification of Conditions: in the event field conditions are not as shown on Drawings and outlined in the Specifications, notify Landscape Architect in writing.

Preparation

Agricultural Chemicals: protect site improvements from contact with agricultural chemicals, soil amendments, and fertilizers.

Pruning

Prune with approval of Engineer. Remove dead branches, rubbing branches, and branch work growing towards the centers of tree and shrubs.

Drainage

Observe drainage in plant pits with hand soil augur.

Verify plant pits are draining; plant pits not draining shall be identified on the plan and brought to the attention of Engineer.

Plants

Maintain plants in vigorous condition throughout maintenance period.

Replace plants that are missing, dead, not true to name or size as specified, or not in satisfactory growth, as determined by Engineer. Replace plants found unacceptable within one month or in first month of next growing season, whichever comes first.

Plants must show a minimum of 75% healthy head with obvious growth since planting. Signs of disease, injury, or damage shall have been successfully treated or plant shall be rejected as determined by Engineer.

ITEM 770.2 (Continued)

Replacements plants shall be same kind and size as specified in plant list. Furnish and plant. Cost of replacement borne by Contractor except where it can be shown loss resulted from vandalism, fire, theft, or other causes beyond Contractor's control. Restore areas damaged or disturbed by replacement operations to their original condition.

Watering

Refer to 771.71-771.72, for watering requirements during the maintenance period and guaranty period

Plant Basins

Keep foot tamped and shaped earth dikes around plantings.

Tree Stakes and Guys

Tree stakes: maintain plumb; adjust flexible ties.

Guys: maintain wires taut; adjust turnbuckles; keep flags on wires.

Finish Grade

Maintain finish grades around plantings, at pavement edges, and at irrigation fixtures.

Mulch

Maintain mulch at 2" depth in planting areas with the exception of at stems and trunks of plants where mulch to be placed to a 0" depth and increasing to a depth of 2" at edge of root balls and beyond.

Treatment of Pests and Diseases

Spray for both insect pests and diseases during maintenance period with permission of Engineer. Apply herbicides, insecticides and fungicides as prescribed by their manufacturer and in accordance with The Commonwealth of Massachusetts laws. Contractor shall possess from the Commonwealth of Massachusetts the proper registrations and permits for application of materials or have applications made by approved, qualified firm holding registrations and permits. Furnish copies of permits in connection with materials to Engineer. Spraying to be considered only after full consideration has been given to alternative pest control strategies. The least toxic approach to pest control shall be used.

Adjusting

Re-set settled plants to proper grade and position. Restore planting saucer and adjacent material.

ITEM 770.2 (Continued)

Cleaning

Clean up, remove and dispose of off-site excess planting mixture, soil and debris generated under work of this section.

Remove and dispose of stakes, guys and other accessories at end of guaranty period.

Wash and sweep clean site improvements and building surfaces. Clean spills and overspray immediately.

Repair damage caused by maintenance operations.

Protection

Protect work of this section until Final Acceptance.

Protect planted areas and soils from compaction by construction traffic and from contamination by construction materials.

METHOD OF MEASUREMENT

ITEM 770.2, PLANTING MAINTENANCE shall be measured for payment per the Unit LUMP SUM complete in-place as shown on the Drawings and as specified herein to consist of all labor materials and equipment, maintenance, and all other incidentals, or as required by the Engineer.

BASIS OF PAYMENT

ITEM 770.2, PLANTING MAINTENANCE will be paid for at the contract unit price LUMP SUM as specified above. The unit price shall constitute full compensation for complete compliance with requirements of this item, including all labor for two years of maintenance and two-year guaranty, all equipment, materials, tools, and other incidental work and construction methods to complete Planting Maintenance as indicated and specified herein, or as required by the Engineer.

<u>ITEM 772.1</u>	<u>PICEA ORIENTALIS 6-8'HT</u>	<u>EACH</u>
<u>ITEM 772.2</u>	<u>JUNIPERUS VIRGINIANA 5-6' HT</u>	<u>EACH</u>
<u>ITEM 778.3</u>	<u>BETULUS NIGRA 'DURA HEAT' - 8-10' ht</u>	<u>EACH</u>
<u>ITEM 778.4</u>	<u>BETULUS NIGRA 'DURA HEAT' -10-12' ht</u>	<u>EACH</u>
<u>ITEM 782.537</u>	<u>CERCIS CANADENSIS 2-2.5" CAL</u>	<u>EACH</u>
<u>ITEM 783.1</u>	<u>MACLURA POMIFERA 'WHITE SHIELD'</u>	<u>EACH</u>
<u>ITEM 783.2</u>	<u>MAGNOLIA VIRGINIANA 10-12' HT</u>	<u>EACH</u>
<u>ITEM 783.3</u>	<u>PARROTIA PERSICA 'VANESSA' 2-2.5" CAL</u>	<u>EACH</u>
<u>ITEM 789.334</u>	<u>MYRICA PENNSYLVANICA - 24-30" B&B</u>	<u>EACH</u>
<u>ITEM 794.332</u>	<u>RHUS AROMATICA 'GROW LOW' -24"- 2 GALLON</u>	<u>EACH</u>
<u>ITEM 794.735</u>	<u>ILEX GLABRA -30-36" B&B</u>	<u>EACH</u>
<u>ITEM 794.736</u>	<u>ARONIA MELANOCARPA - 30-36" B&B</u>	<u>EACH</u>
<u>ITEM 794.738</u>	<u>CLETHRA ALNIFOLIA - 30-36" B&B</u>	<u>EACH</u>
<u>ITEM 795.1</u>	<u>VIBURNUM DENTATUM - 3-4' B&B</u>	<u>EACH</u>
<u>ITEM 796.1</u>	<u>AMSONIA TABERNAEMONTANA - 1 GALLON</u>	<u>EACH</u>
<u>ITEM 796.2</u>	<u>DESCHAMPSIA FLEXUOSA- 2 GALLON</u>	<u>EACH</u>
<u>ITEM 796.3</u>	<u>ECHINACEA PURPUREA- 1 GALLON</u>	<u>EACH</u>
<u>ITEM 796.4</u>	<u>PANICUM VIRAGATUM - 2 GALLON</u>	<u>EACH</u>
<u>ITEM 796.5</u>	<u>SCHIZACHYRIUM SCOPARIUM- 2 GALLON</u>	<u>EACH</u>

GENERAL

This work shall consist of furnishing, planting and/or transplanting specified trees, shrubs, vines and ground cover to locations as shown on the plans and/or as directed by the engineer.

The work shall include excavation of pits, placing of backfill mixture, mulching, watering, staking or guying, wrapping for transport, adding fertilizing and/or other soil amendments, seeding, weeding, watering, care of the plants, and replacement of unsatisfactory plants and materials during the life of the contract.

The Contractor performing work under this Section shall have five years continuous experience and expertise in management, handling and installation of ornamental plant material in large-scale landscape construction projects. Site foreman shall have at least five years' experience, able to read and interpret plans, and shall be on-site during all times of plant installation.

The work under these items shall conform to the relevant provisions of the American Nursery Standards and Section 751 "Loam" and Section 770.2, "Planting Maintenance" of the Standard Specifications, except as amended and supplemented as indicated on the drawings and as specified below and as directed by the engineer.

ITEM 772.1 through 796.5 (Continued)

Definitions

Balled and Burlapped Stock: Exterior plants dug with firm, natural balls of earth in which they are grown, with ball size not less than diameter and depth recommended by ANSI Z60.1 for type and size of tree or shrub required; wrapped, tied, rigidly supported, and drum-laced as recommended by ANSI Z60.1.

Container-Grown Stock: Healthy, vigorous, well-rooted exterior plants grown in a container with well-established root system reaching sides of container and maintaining a firm ball when removed from container. Container shall be rigid enough to hold ball shape and protect root mass during shipping and be sized according to ANSI Z60.1 for kind, type, and size of exterior plant required.

Finish Grade: Elevation of finished surface of Loam

Subgrade: Surface or elevation of subsoil remaining after completing excavation, or top surface of a fill or backfill, before placing Loam.

Submittals

Submittals: in accordance with Section 5.0, Control of the Work.

Product Data: Submit most recent printed information from manufacturers for:

1. Antidesiccant
2. Liquid Seaweed Concentrate
3. Plant Growth Biostimulant
4. Mycorrhizae Granules

Samples: Submit samples of:

1. Organic Mulch: Submit one cubic foot sample and manufacturer/supplier's name.
2. Tree Stabilization System.

Certificates:

1. Submit certification of Massachusetts state arborist.

Landscape Contractor:

1. Submit in writing planting subcontractor including name, address, telephone number, experience on projects of a similar size and complexity, a minimum of three references and supervisor for planting subcontractor.

ITEM 772.1 through 796.5 (Continued)

Plant List:

1. Within 30 days of award of Contract, submit plant list for review by Engineer which includes:
 - a. plant materials proposed for project and corresponding nursery source where plants are to be selected.
 - b. written documentation indicating nursery(s) have available the plants in the species, quantity and size(s) shown on Drawings.
 - c. for plants indicating names of plants in accordance with American Joint Committee on Horticultural Nomenclature.
2. Schedule for review at nursery source by Engineer with Contractor present.
3. Substitutions: plant list shall indicate unavailable materials and document a thorough search for materials. For unavailable materials list sources contacted with telephone number, date and person's name at source.

Schedules

1. Submit planting schedule for approval.
2. Watering schedule for all planting in the project. Watering schedule shall include all methods for providing water to plants.

Quality Assurance

Planting shall be performed by a certified landscape contractor with a minimum of five years planting work experience on projects of a similar size and complexity and under full time supervision of a qualified supervisor.

Pruning shall be performed by a Massachusetts certified and/or an International Society of Arboriculture certified arborist. Pruning shall comply with ANSI A300 pruning standards.

Pre-Construction Meeting

At the project pre-construction meeting, the following items relating to the work of this Item shall be specifically discussed:

1. Nursery sources for plant materials.
2. Schedule of plant tagging, delivery and installation.
3. Review benchmark dates at which time Engineer should make site visits.

ITEM 772.1 through 796.5 (Continued)

Selection and Inspection of Plants

Plants shall be selected by Engineer at place of growth for conformity to specification requirements as to quality, size and variety prior to purchase and planting. Such approval shall not impair right of inspection and rejection upon delivery at site or during progress of work. Cost of replacement shall be borne by Contractor.

Source Limitations

1. Plants shall have been grown under climatic conditions similar to those in the locality of the project for at least the previous two years. Unless approved by the Engineer, plants shall have been grown at a latitude not more than 325 km (250 miles) north or south of the latitude of the project unless the provenance of the plant can be documented to be compatible with the latitude and cold hardiness zone of the planting location.

2. Color photographs of representative plant material shall be submitted for initial review of alternate nursery sources. Photographs are to include a scale rod or other measuring device and be taken from an angle that depicts the size and condition of the typical plant to be furnished. Photographs must show actual plant material available for selection at that time.

Plant Selection / Coordination

1. For trees, within 90 days of the Notice to Proceed, submit tree sources and schedule selection and tagging of trees so Engineer can tag trees for project at place of growth. Engineer will perform one trip to the nursery(s) to select and tag trees and a second trip to the nursery(s) review and confirm the acceptability of the trees immediately prior to digging for delivery to the site. Source information shall state the place of growth and the approximate quantity of trees available for inspection. The Engineer may refuse inspection at this time if, in his or her judgment, sufficient quantities of plants are not available for inspection.

2. For shrubs and other plants, submit plant sources by January 1 of the planting year for Spring plantings, and July 1 for Fall plantings, schedule selection and tagging of shrubs so Engineer can tag representative shrubs for project at place of growth. Source information shall state the place of growth and the approximate quantity of trees available for inspection. The Engineer may refuse inspection at this time if, in his or her judgment, sufficient quantities of plants are not available for inspection.

3. Inform Engineer of selection schedule a minimum of one month (30 day minimum) in advance of selection/tagging dates so Engineer can make proper travel arrangements. If Contractor fails to provide one month (30 day minimum) notice, any additional travel expenses shall be back-charged to Contractor. If Engineer has to make additional trips to select/tag plants in the event that inadequate, insufficient or unacceptable plant material was available at the inspection location, then additional travel expenses to be backcharged to Contractor.

ITEM 772.1 through 796.5 (Continued)

4. If nurseries and/or stock submitted for review are not acceptable to Engineer, submit alternate sources within seven (7) business days.

5. If Contractor cannot locate the plant material specified in the Drawings, Contractor shall enlist a plant broker to locate the material. Submit a report from the plant broker describing alternate sources of availability or lack thereof for the specified plant material and sizes.

6. Trips to nurseries shall be efficiently arranged to allow Engineer to maximize his/her viewing time. Only undug trees (trees that are in the ground) shall be considered for approval. Engineer may choose to attach their seal to each plant, or representative samples. Each tree may have a specific location and orientation on the proposed plan that the Contractor shall follow closely during installation.

7. Plant material that has been sealed shall be secured by Contractor within ten (10) business days of Engineer having reviewed or sealed the material.

8. Engineer's seals shall not be removed until plantings have been approved by Engineer. Removal of seals prior to Engineer's review of plantings shall be considered grounds for rejection of plant material.

Expenses

1. Contractor to pay for Engineer travel expenses: air fare, car rental, automobile mileage and tolls; meals and overnight accommodations if necessary, for Engineer during time period required to select and tag plant material. Planting subcontractor shall provide representative to travel with Engineer while tagging plant material.

Plant Shipment to Site/ On Site Review

1. Notify Engineer a minimum of five business days prior to each shipment of proposed arrival of plant material on site.

2. Layout tree locations, bed outlines and individual planting on site for inspection by Engineer prior to planting. Arrange for adequate manpower and equipment on site at time of plant material inspection and installation to provide complete staked layout and to unload, open and handle plant material during inspection.

ITEM 772.1 through 796.5 (Continued)

Project/ Site Conditions

Environmental Requirements: do not deliver or handle soils when dry, wet, or frozen.

1. Field Test

- a. Form soil in palm of hand, if soil retains shape and crumbles upon touching, the soil may be worked.
- b. If the soil will not retain shape it is too dry and should not be worked.

If the soil retains shape and will not crumble, it is too wet and should not be worked.

Planting Season: planting seasons shall be those indicated below. Plants planted out-of-season shall receive special attention as directed. Out-of-season planting and or transplanting shall be at Contractor's risk and expense. No planting shall be done in frozen or muddy ground or when snow covers ground, or soil is otherwise in an unsatisfactory condition for planting.

1. Seasons for Planting:

Spring:

Deciduous materials – March 15 to June 15

Evergreen Materials – March 15 to June 15

Fall:

Deciduous materials – September 1 – November 1

Evergreen Materials – September 1 – November 1

2. Variance: If special conditions exist that warrant a variance in the above planting dates, a written request shall be submitted to the Engineer a minimum of 4 weeks prior to the scheduled planting date stating the special conditions and the proposed variance. Permission for the variance will be given if warranted in the opinion of the Engineer and at no additional cost to the Owner.

Substantial Completion

See Item 770.2 Planting Maintenance.

Two-Year Maintenance Period

See Item 770.2 Planting Maintenance.

ITEM 772.1 through 796.5 (Continued)

Preliminary Acceptance

See Item 770.2 Planting Maintenance.

Guarantee

See Item 770.2 Planting Maintenance.

Final Acceptance

See Item 770.2 Planting Maintenance.

MATERIALS

Materials shall meet the requirements specified in the following Subsections of Division III, Materials with the amendments and supplements contained herein:

Loam Borrow	M1.05.0
Organic Soil Additives	M1.06.0
Inorganic Amendments	M6.01.0
Fertilizer	M6.02.0
Wood Chip Mulch	M6.04.3
Aged Pine Bark Mulch	M6.04.5
General Planting	M6.06.0
Nursery Stock – General	M6.06.1
Wrapping for Transport	M6.07.1
Materials for Guying and Staking	M6.08.0
Water for Irrigation	M6.09.0

Plants

1. Plant Identification and Standards: Nomenclature conforms to current edition of Standardized Plant Names, published by American Joint Committee on Horticultural Nomenclature. Plants conform to varieties and sizes specified in plant list, and to code of standards set forth by American Association of Nurserymen, Inc. in American Standard for Nursery Stock, ANSI Z60.1 - latest edition. Substitutions shall not be permitted without consent of City Tree Warden. Plants shall be properly identified with plant labels securely attached to plants, in order to identify plants on site. Information regarding sources of plant material shall be furnished to Engineer.

ITEM 772.1 through 796.5 (Continued)

2. Plant List: If there are discrepancies between the quantities shown on plant list and work shown on Drawings, Contractor shall supply plants necessary to complete work as intended on Drawings. Where size of plant on the plant list is a variation between a minimum and maximum dimension, the sizes of plants furnished shall be equal to average of two dimensions. Where a single dimension is given, dimension represents the minimum size of plants to be furnished.
3. General Plants: Unless specified otherwise, plants shall be nursery grown under climatic conditions similar to those in locality of project and shall have been previously been transplanted or root pruned at least once in last three years. Plants shall possess a normal balance between height and spread. Plants shall be typical of their species and variety with a normal habit of growth, densely foliated when in leaf, and a well-developed branch structure with a fibrous, healthy root system with no girdling roots. Plants shall be sound and healthy, free from dead wood, defects, disfiguring knots, sun scald, injuries or abrasions of roots or bark. Plants shall be freshly dug. No heeled-in plants or plants from cold storage shall be used. Parts of plant shall be moist and show active green cambium when cut. Plants shall be free of plant diseases, insects, pests, eggs, larvae, and forms of infestations.
4. Balled and Burlapped Plants: Plants designated on plant list as "B&B" shall be healthy, vigorous, well-rooted exterior plants dug with firm, natural balls of earth in which they are grown, with ball size not less than diameter and depth to encompass fibrous and feeding root system necessary for healthy development of plants recommended by ANSI Z60.1 For type and size of tree or shrub required; wrapped, tied, rigidly supported, and drum-laced as recommended by ANSI Z60.1. Balls shall be wrapped firmly with biodegradable material and bound carefully with twine or cord.
5. Tree balls may also be placed in a wire basket of diameter suitable for the size of the root ball. No plant shall be accepted when ball of earth surrounding roots has been badly cracked or broken, either before or during process of planting, or after burlap, ropes, etc., required for transplanting have been unfastened. Plants and root balls shall remain intact as a unit during operations. Plants that cannot be planted at once must be protected and watered.
6. Container-Grown Stock: Healthy, vigorous, well-rooted exterior plants grown in a container with well-established root system reaching sides of container and maintaining a firm ball when removed from container without being in a rootbound condition. Container shall be rigid enough to hold ball shape and protect root mass during shipping and be sized according to ANSI Z60.1 for kind, type, and size of exterior plant required. Container plants shall have been acclimatized for one growing season in container. Plants shall remain in container until planted.

ITEM 772.1 through 796.5 (Continued)

7. Trees: Trees to be hand dug and balled and burlapped rootballs. Trees, except when a clump form is designated, shall be straight and symmetrical with a crown having a persistent single, main leader, and growing from a single, unmutated crown of roots. No part of trunk shall be conspicuously crooked as compared with normal trees of same variety. Trunk shall be free from sunscald, frost cracks, or wounds resulting from abrasions, fire, or other causes.

No pruning wounds shall be present having diameter of more than two inches (2") and wounds must show vigorous bark on edges. Pruning wounds over 3/4 inch in diameter must be completely calloused over. Evergreen trees shall be branched to within one foot of ground. Height of trees, measured from crown of roots to top of top branch, and caliper, measured as specified herein, shall not be less than minimum size designated in plant list. Take caliper measurements 6 in. above ground on trees up to and including 4 in. caliper, and at 12 in. above ground for larger sizes.

8. Plants larger than those specified in the Plant List may be used if approved by Engineer but use of such plants shall not increase the Contract Price. If use of larger plants is approved, spread of roots or ball of earth shall be increased in proportion to size of plant.

Planting Additives

1. Liquid Seaweed Concentrate: Dry, water soluble seaweed extract powder from *Ascophym nodosum*. Stress-X as manufactured by North Country Organics, Bradford, Vermont 05033. Phone: 802.222.4277.
2. Plant Growth Biostimulant: Dry, water-soluble plant growth biostimulant made from beneficial bacteria humic extracts, cold water sea kelp extract, essential amino acids, vitamins, root growth factors and sugars. Bio- Magic as manufactured by North Country Organics, Bradford, Vermont 05033. Phone: 802.222.4277.
3. Mycorrhizae granules: transplant granules for inoculating plants with beneficial mycorrhizal fungi prior to planting. Myco-Magic as manufactured by North Country Organics, Bradford, Vermont 05033. Phone: 802.222.4277.

Aged Pine Bark Mulch

Shredded granular outer bark of evergreen trees and minimum of hardwood bark and shall be aged for period of at least 6 months and not longer than two years. Bark mulch shall not have been subjected to anaerobic conditions and must be partially decomposed and dark brown in color, Bark chunks shall average 1/2 inch to 2 inches in length and no chunks three inches or more in size and thicker than 1/4 inch shall be left on site. Moisture content shall be 40 percent or more, retained with normal watering and/or rainfall. Mulch shall be free of dirt, leaves, twigs, and other materials deleterious to plant life. Mulch shall not contain chipped construction materials.

ITEM 772.1 through 796.5 (Continued)

Water

Furnished by the Contractor, suitable for irrigation and free from ingredients harmful to plant life. Water and watering equipment required for work shall be furnished by the Contractor for the entire maintenance period as specified in Item 770.2, Planting Maintenance.

Tree Stabilization System

Contractor is responsible for providing a guying and staking system to maintain plants in a plumb condition and in order to withstand the environmental conditions of the site.

Loam

See Item 751– Loam

Antidesiccant

Antidesiccants: emulsions or materials which provide a protective film over plant surfaces permeable enough to permit transpiration and specifically manufactured for that purpose. Antidesiccant shall be delivered in manufacturer's containers and used according to manufacturer's instructions.

Chemicals, Herbicides, Fungicides and Insecticides

Provide chemicals, herbicides, fungicides and insecticides as needed for fungus or pest control. Chemicals and insecticides shall be approved by Massachusetts Department of Environmental Protection for intended use and application rates. No pesticides shall be

used on site without knowledge and approval of Engineer. Pesticides shall be handled by State licensed operators only.

CONSTRUCTION METHODS

Examination

Verification of Conditions: in the event field conditions are not in conformance with Contract Documents, notify engineer in writing.

Preparation

1. Protection:
 - a. Contact "Dig Safe" prior to doing excavation on site. If work is to be done around underground utilities, appropriate authority of utility must be notified of impending work. Hand excavate areas adjacent to utilities. Contractor shall be responsible for damages done by himself or his personnel to existing utilities, which shall be repaired or paid for by Contractor.
 - b. Dust Control: upon acceptance of finish grades provide dust control.
 - c. Erosion Control: upon acceptance of finish grades provide erosion control.
 - d. Agricultural Chemicals: protect site improvements from contact with agricultural chemicals, soil amendments, and fertilizers.

Digging, Handling and Protection of Plants

1. Dig balled and burlapped (B&B) plants with firm natural balls of earth, of sufficient diameter and depth to include fibrous roots and conforming to standards of American Nurserymen Association. No synthetic burlap will be accepted. No plant moved with a ball will be accepted if ball is cracked or broken before or during planting operations.
2. Protect roots or balls of plants from sun and drying winds.
3. Set plants on ground in shady location and protect with soil, bark mulch, or other acceptable materials, balled and burlapped plants which cannot be planted immediately upon delivery. Water stored plants and regularly verify rootballs are moist. Engineer will reject stored plants found with dried rootballs.

4. Open bundles of plants immediately and plants and separate before roots are covered. Care shall be taken to prevent air pockets among roots. During planting operations, bare roots shall be covered with canvas, hay or other suitable material. No plant shall be bound with wire or rope as to damage the bark or break branches.

Obstructions Below Ground

1. If rock, underground construction work, or other obstructions are encountered in plant pit excavation work, alternate locations may be selected by Engineer at no additional cost to Owner.
2. Where locations cannot be changed, obstruction shall be removed, subject to Engineer's approval, to a depth of not less than three feet (3') below grade and no less than six inches (6") below bottom of ball or roots when plant is properly set at required grade.

ITEM 772.1 through 796.5 (Continued)

Preparation and Placement of Loam

See Item 751 Loam

Planting Operations

1. Stake out locations of plants and secure Engineer's approval before excavating plant pits.
2. Excavating
 - a. Place tree next to tree pit excavation. Leaving all lacing intact, cut open a "window" in the burlap on top of rootball revealing the root flare. If trunk flair is not visible, gently loosen and remove soil with a blunt tool or air spade until trunk flair and large horizontal lateral roots are located. Use care not to damage root system. Following removal of excess soil over root ball measure depth of root ball to determine depth of tree pit excavation.
 - b. Dig tree pits and plant pits by hand and take care not to disturb utilities. If utilities are disturbed during planting operation, Contractor shall repair damage at Contractor's expense.
 - c. Excavate plant pits with sloping sides so planting hole is saucer shaped. Plant pit shall be no deeper than root ball.
 - d. Tree pits shall be 3 times diameter of soil ball in width.

Setting, Backfilling and Fertilizing

1. In the event trees are containerize in wire baskets, lay tree on its side and cut the bottom of the cage off, roll the tree into the hole and remove the sides of the wire basket.
2. Set plants in center of pits plumb, straight and at an elevation where after settlement the root flare and lateral roots of plant will be at surrounding finished grade. Root ball shall not be broken. When trees are set, compact base material under the root balls to fill voids and support plants at proper height. Remove wire basket, burlap and rope from upper two thirds of balls and have Designer inspect removal prior to backfilling.

3. Sprinkle michorrhizal granules continuously around perimeter of root ball as well as incorporating granules into top of rootball following removal of top 1/3 of burlap in accordance with manufacturer's recommendations.

ITEM 772.1 through 796.5 (Continued)

4. Mix liquid seaweed concentrate or plant growth bio-stimulant with water at a rate of 3 grams of liquid seaweed concentrate powder per gallon of water or 1 teaspoon of plant growth biostimulant per gallon of water.
5. After tree is stabilized in hole and packing materials removed, loosen and distribute excess soil from above flare directly into planting hole. Mix with base material as part of initial settling process.
6. Backfill hole around plants to two-thirds full, firm soil, flood with water mixed with additives, after water has drained away backfill to finished grade without additional firming. Immediately after plant pit is backfilled, a shallow basin slightly larger than pit shall be formed with ridge of soil to facilitate and contain water. Basin/saucer should be level and wide enough to hold at least 10 gallons of water. Basin rim should be on-contour and not taller than 3" from overall grade.

Drainage Test

Perform drainage test at tree locations.

1. After excavation, fill pit twice successively with water.
2. Water shall drain out of plant pit minimum 2 inches per hour.
3. Plant pits draining slower than 2 inches per hour will require provision for drainage, to be reviewed and approved by Engineer.

Documentation: Note on the planting plan pits that pass drainage test and plants that fail drainage test. For pits failing drainage test, provide drainage provision as approved by Engineer, re-test, and install plants upon passing of drainage test.

Field Quality Control

Observation:

1. Engineer to review plant pits without positive drainage.
2. Engineer to review plant pit excavation and planting.

Guying and Staking

Contractor is responsible for maintaining plants in upright, vertical position and for maintaining guying and staking materials.

ITEM 772.1 through 796.5 (Continued)

Pruning

Prune trees and shrubs only with approval of City Tree Warden. Prune according to American Nurserymen's Association Standards to preserve natural character of plant and as directed by City Tree Warden. No leaders shall be cut.

Pruning shall be done with clean, sharp tools. Dead wood or suckers and broken or badly bruised branches shall be removed back to live bud, branch, or stem.

Mulching

Immediately after planting operations are completed, cover tree pits with a three-inch layer of specified mulch. Taper depth of mulch to be three inches at mulched perimeter and decreasing in depth toward trunk to be flush where trunk or stem meets root ball, not closer than 3" to the trunk. Do not place mulch against trunk or stem.

Watering

Flood plants with water twice within first 24 hours of time of planting, and water plants during the maintenance period at least twice per week. Contractor shall be responsible for watering all plants during the guaranty period at least once per week, until Final Acceptance, except when the ground is frozen. At each watering thoroughly saturate the soil around each tree or shrub. If sufficient moisture is retained in soil, as determined by Engineer, required watering may be reduced. Each tree will require a minimum of ten gallons of water.

Cleaning

1. Wash and sweep clean paving and site improvements. Clean spills and overspray immediately. Remove and dispose off-site excess planting mixture, soil and debris.
2. Following Preliminary Acceptance at the end of the Two-Year Maintenance Period of planting areas, remove materials and equipment not required for other planting or maintenance work. Materials and equipment remaining on site shall be stored in locations which do not interfere with Owner's maintenance of accepted lawns or other construction operations.

ITEM 772.1 through 796.5 (Continued)

MEASUREMENT AND PAYMENT

Plantings shall be measured for payment per the Unit EACH, which price shall include materials, equipment, labor, and incidentals to provide plant pit excavation, soil wetting agents, mycorrhizal fungi planting, plant protection, aged pine bark mulch (including placement), watering, maintenance, disposal of unsuitable soils, and all other incidentals required for furnishing and installing the plantings in accordance with the drawings, and as directed by the Engineer. Payment will not be approved until satisfactory completion of the Maintenance Period.

BASIS OF PAYMENT

Plantings will be paid for at the contract unit price EACH as specified above. The unit price shall constitute full compensation for labor, equipment, materials and incidental costs to complete the work.

ITEM 834.12 **SPRING LOADED REFLECTORIZED FLEXIBLE** **EACH**
DELINEATOR POST 36" WHITE OR YELLOW

ITEM 834.129 **SPRING LOADED REFLECTORIZED FLEXIBLE** **EACH**
DELINEATOR POST 36" WHITE OR YELLOW – ADDITIONAL POSTS

GENERAL

Work under this item shall conform to the relevant provisions of Subsection 828 of the MassDOT Standard Specifications and the following:

The contractor shall furnish and install spring loaded flexible delineator posts in accordance with the manufacturer's recommendation at the locations indicated on the plans.

Work under Item 834.129 includes the furnishing and delivery of additional flexposts and bases to the City of Newton DPW yard on Crafts Street. The contractor shall coordinate with DPW prior to the delivery of flexposts and bases.

SUBMITTALS

1. For the type of product indicated, include construction details, material descriptions, dimensions of individual components, finished, field-assembly requirements and installations details.
2. Submit finish samples with factory-applied finishes for each type of finish indicated for review and verification.

PRODUCTS

Provide spring loaded flexible delineator posts manufactured by the following companies, or approved equal:

Impact Recovery Systems	Uline	Ideal Shield
4955 Stout Drive	100 Summit Drive	2525 Clark Street
San Antonio, TX 78219	Burlington, MA 01803	Detroit, MI 48209
210-736-4477	800-295-5510	866-825-8659
www.impactrecovery.com	www.uline.com	www.idealshield.com

DETAILED PRODUCT REQUIREMENTS

Spring Loaded Flexible Delineator posts:

1. The post shall be thirty-six (36) inches in height. The color of the flexible delineator post shall match the color of the applicable pavement marking edge lines. The post shall be compliant with the *Manual on Uniform Traffic Control Devices* (MUTCD), latest edition and National Cooperative Highway Research Program (NCHRP) Report 350 accepted. Two 3" width impact resistant bands of retro reflective sheeting shall be applied by the manufacturer to provide 360 degree of coverage surrounding the flexible delineator post, with the top band being a maximum of 2" from the top of the tube. The sheeting shall be of appropriate color to meet requirements of MUTCD.
2. The post shall be surface mounted with a quick release mechanism. The contractor shall order two bases for every post, which shall be delivered to the DPW.

ITEM 834.12 & 834.129 (Continued)

INSTALLATION

The manufacturer shall provide step by step detailed installation instructions for the spring-loaded flexible delineator posts.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Measurement and payment for spring loaded flexible delineator posts will be made at the contract unit price per each spring-loaded flexible delineator post and anchor or, in the case of additional posts, each post and anchor, furnished and delivered. Price and payment shall constitute full compensation for complete compliance with requirements of this item, including materials, delivery, and installation.

Acceptance of the posts and reflective sheeting used on the posts furnished under the specification will be prepared by the fabricator (vendor) stating that the materials in the shipment are essentially the same or of equal material. Contractor shall assume all risk of delivery and shall make all arrangements for delivery and installation.

ITEM 834.287 **PRECAST CONCRETE CURBING FOR BICYCLE LANES** **EACH**
(10' SECTION).

ITEM 834.289 **PRECAST CONCRETE CURBING FOR BICYCLE LANES** **EACH**
(10' SECTION) – ADDITIONAL CURBS

GENERAL

Work under this item shall conform to the relevant provisions and amendments of Section 500 and Section 828 of the MassDOT "Standard Specifications for Highway and Bridges" and the following:

Work under this item shall consist of furnishing and installing precast concrete curbing units for bicycle lane delineations (10' section) as shown on the plans and details.

Work under Item 834.289 includes the furnishing and transport of additional precast concrete curbing for bicycle lanes to the City of Newton DPW yard on Elliot Street. The contractor shall coordinate with DPW prior to the delivery of curbs.

MATERIALS

Concrete shall be 5,000 psi, sulfate resistant with fiber reinforcement.

Reinforcing steel shall be #5 corrosion resistant rebar per the plans and details.

Two flexible reflective markers shall be placed on each precast concrete curbing as shown on the plans and details.

CONSTRUCTION METHODS

Precast concrete curbing for bicycle lanes shall be placed according to the plans. The Contractor shall install precast concrete curb bicycle delineators on a reasonably flat surface and secure the units using #5 corrosion resistant rebar hand driven to depths indicated in the plans and details.

METHOD OF MEASUREMENT

Items 834.287 and 834.289 shall be measured by each unit furnished and installed in accordance with the plans, specifications, and directions of the Engineer, or, in the case of additional curbs, each curb furnished and delivered.

BASIS OF PAYMENT

Payment for Items 834.287 and 834.289 shall be per EACH section installed, or, in the case of additional curbs, each curb furnished and delivered, and shall include the cost of all labor, materials, equipment, and all incidental expenses necessary to complete the work, all in accordance with the plans and specifications, to the satisfaction of the City. Reflective markers shall be included in the payment for this item.

DESCRIPTION

Work under this item shall be in accordance with Subsection 850 of the Standard Specifications, the Manual on Uniform Traffic Control Devices (MUTCD), and the following:

The Contractor shall furnish, erect, maintain, wash, move, adjust, repair, relocate, re-erect, and store all temporary construction signs, sign mountings, portable barricades, traffic cones, reflectorized drums, delineators, temporary pavements markings or markers, and other warning devices when, where, and as specified or as directed by the Engineer.

CONSTRUCTION METHOD

Temporary Traffic Control devices shall cover all work related to the furnishing, installation, maintenance, and movement of traffic protective devices on the project.

The Contractor shall provide a sufficient number of signs and other warning devices as required by the nature of the work as determined by the MUTCD and/or the Engineer. Devices that do not meet or exceed MUTCD standards will not be considered an acceptable means for temporarily controlling traffic.

When, in the opinion of the Engineer, the sign or device shall be so severely damaged as to warrant replacement, the Contractor shall provide a new device that shall be deemed to be included in this item without additional compensation.

The Contractor shall keep all signs, barricades, and other protective devices in proper position, clean, and legible at all times. Care shall be taken so that weeds, shrubbery, construction materials and equipment, and spoil are not allowed to obscure any sign, lights, or barricade. Signs that do not apply to existing conditions shall be removed or adjusted so that the legend is not visible to approaching traffic. All signs and markers shall indicate actual conditions existing and shall be moved, removed, or changed immediately, as conditions require. When construction is not in progress, all unnecessary signs will be adequately covered.

No work is to be undertaken until the Contractor has established construction signs and/or safety devices around and about the project zone periphery. To that end the Contractor shall not commence operations until he has verified that semi-permanent signs (i.e. 'Road Under Construction') and/or daily signing (i.e. 'Detour') has been appropriately established. The Contractor shall be responsible for establishing supplemental signage, and/or safety devices, as he deemed necessary in order to further provide for the safety of the pedestrian and the motoring public, as well as for affording the opportunity to move the construction process forward without interruption.

Under this clause the Contractor shall work closely with the Engineer in order to coordinate the signing activities in a timely and reasonable manner. Said devices shall conform to the Temporary Traffic Control section of the most recent version of the Manual on Uniform Traffic Control Devices (MUTCD). Further, due to the nature of this work, the Contractor shall be required, from time to time, to erect, move, relocate, repair, and/or to remove at days end, any site sign in order to either expedite his work or to otherwise accommodate the safety and/or delineate the project zone and/or its active or inactive detour status and route line, and this work shall be done either at his discretion and/or at the request of a City of Newton Agent(s) or Officer. Non-compliance with any such request, as herein described, shall be grounds for the City to halt work until such remedial measures have been taken, and any such loss of time by the Contractor shall be at his own expense. Any devices provided which are lost, stolen, destroyed or deemed unacceptable while their use is required on the project shall be replaced without additional compensation.

The lump sum for this item shall include full compensation for all labor, equipment, materials, and incidentals needed to complete the following:

1. Fabricating, furnishing, erecting, maintaining, removing, and relocating the traffic management devices for the overall project during construction activities, complete-in-place, as directed by the Engineer.

2. Providing additional traffic management devices to provide a clear and visible traffic control through the project area, if required.
3. The Contractor shall be required to reposition the traffic control devices as many times as necessary to ensure the safe passage of vehicular traffic and pedestrians. Supplemental signs and traffic control devices directing traffic around and/or through the work zones shall be supplied as operations require or as directed by the Engineer. Payment for these traffic control measures shall be included, as part of this item and no additional payment will be made.

ITEM 852.01 (Continued)

4. At a minimum, traffic control shall include the following:
 - a. Temporary Traffic Control Signs including detour signs as required.
 - b. Channelizing Devices including drum barricades and/or traffic cones.
 - c. Type III Barricades.
 - d. Temporary Barriers.
 - e. Temporary Pedestrian Bypass.
5. Other work, whether direct or incidental, associated with the traffic control not specifically identified herein.
6. The City of Newton requires that all work zones maintain a safe pedestrian access route around or through individual work sites that is ADA accessible during the execution of this contract.
 - a. Sidewalks – when repairing, installing, adjusting sidewalks and/or curbing the Contractor may only work on one side of the roadway at a time. This allows the opposite side of the roadway to be used for safe pedestrian access. Proper signage must be positioned as directed by the Engineer (see d. below)
 - b. ADA Access Ramps – only one ADA ramp may be excavated/worked-on at a time at any intersection. Only after the initial ADA ramp is made pedestrian and ADA accessible (see e. below) may a second ADA ramp be worked on.
 - c. Temporary Ramps – if required for safe access, the Engineer may require temporary ADA compliant HMA access ramps.
 - d. The Engineer will identify the proper location for appropriate signage to direct pedestrians safely around any active work area. Signage will include “Sidewalk Closed Ahead – Cross Here” signs (with the appropriate directional arrow) and “Sidewalk Closed” signs. The signs must be stable and not prone to falling over.
 - e. Temporary Safe Access – placement of HMA or dense grade material compacted as directed by the Engineer may be used to obtain a suitable smooth stable base for temporary pedestrian access prior to placement of concrete.
7. The Contractor shall furnish, apply, maintain and remove temporary white and yellow reflectorized pavement markings and temporary raised pavement markers during construction and maintenance operations. Paints used for temporary pavement markings shall be lead free, conform to M7.01.23 and M7.01.24 and meet the retro reflectivity requirements of the MUTCD for a period of 90 days. Final determination as to pavement marking quality shall be made by the Engineer. The Contractor shall supply a retro reflectometer for this purpose. The colors of the marking materials shall be the standard highway colors of white or yellow and as outlined in the MUTCD. Temporary Raised Pavement Markers shall conform to M9.30.6: Temporary Raised Pavement Markers.
8. The Contractor will receive the following checklist for their use to maintain adequate pedestrian access during construction:

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Pedestrian Considerations in the Field

Construction/Maintenance/Utility

- ❑ Public notices for construction projects include information about pedestrian closures and detours with specific outreach to organizations representing people with disabilities.
- ❑ Construction phasing considers continuous access through or around the impacted area. For example, removing curb ramps at all four corners of an intersection simultaneously will reduce access.
- ❑ TPARs are readily accessible and usable by individuals with disabilities, to the maximum extent feasible, and infeasible items are documented.
- ❑ The path is maintained and clear of debris and other items that may obstruct pedestrian access. Temporary routes and ramps are stable with non-slip surfaces.
- ❑ At intersections, pedestrian access is controlled, and traffic control devices provide advance notification of sidewalk closures and guidance to safe crossing locations including audible messages.
- ❑ The pedestrian signal head is clear of visual obstructions such as fencing and/or equipment.
- ❑ Additional signing/markings are installed, and transit stops are added or relocated, as necessary.
- ❑ Physical barriers separate pedestrians from vehicular traffic, and protective features are installed as needed.
Pedestrians are protected from the work space with barricades detectable by cane, and barricades are continuous, stable, and non-flexible.

Field Device Criteria: Consider barricades with a solid toe rail covering an area 1.5 to 6 inches above the ground. The top of the barricade should be 36" to 42" in height with diagonal strips having at least 70% contrast. Also see MUTCD references listed above for additional detail.

- ❑ Signs are adequately placed so that pedestrians are not confronted with mid-block obstacles on or above the TPAR. Signs and other devices mounted lower than 7 feet above the TPAR do not project more than 4 inches into the accessible path. Information on signs is communicated to pedestrians with visual or other disabilities.
- ❑ Temporary traffic signals are modified or installed, including pedestrian signals and push buttons, as necessary. Ensure pedestrian clearance times adequately account for walking speeds and travel distances. Ensure that push buttons are accessible to pedestrians with disabilities.
- ❑ Inspections include pedestrian accommodations during construction, and an appropriate timeline for inspection is being followed.
- ❑ Traffic control devices and the pedestrian area are in well-maintained and safe condition and are accessible, clean, sturdy, firm, smooth, continuous, detectable, and do not pose tripping hazards.



ADA approved pedestrian barrier



Temp. Asphalt ramp & temp cross walk painted



Pedestrian bypass with jersey barriers in roadway next to work zone



Temporary accessible sidewalk during construction



Sign for pedestrians to cross to opposite side of the street due to sidewalk closure



Temporary pedestrian traffic controls at limit of work where sidewalk is closed

ITEM 852.01 (Continued)

MEASUREMENT AND PAYMENT

Payment under this item shall be by the Contract Unit Price bid per Lump Sum. If, after notice by the City, signage is determined to be inadequate, the City may withhold payment on this item until it is addressed satisfactorily by the Contractor. The prices so-stated constitute full and complete compensation for all labor, materials, and equipment associated with (but not limited to) furnishing temporary ramps, temporary safe access, erecting, maintaining, washing, movement, adjustment, repair, relocation, re-erection, storing of all temporary construction signs, sign mountings, portable barricades, traffic cones, delineators, drum barricades, channelizing devices, temporary pavement markings or markers, and all other devices, clean-up, legal disposal of all materials, and all other incidentals required to finish the work, complete and accepted by the Engineer. Any damage shall be the Contractor’s responsibility.

ITEM 864.41 **GREEN COLORIZED PAVEMENT MARKINGS** **SQUARE FOOT**

DESCRIPTION

Work under this item consists of furnishing and installing Green Colorized Pavement Markings at the locations shown on the plans or as directed by the Engineer. All work shall conform to Subsection 860 and the following.

MATERIALS

Green Colorized Pavement Markings are composed of Epoxy, Methyl Methacrylate (MMA), or Preformed Thermoplastic Materials.

The initial daytime chromaticity coordinates for green colorized pavement shall fall within the area created by the following coordinates:

Initial Daytime Chromaticity Coordinates (Corner Points) for Green Colorized Pavement Markings				
	1	2	3	4
x	0.230	0.266	0.367	0.444
y	0.754	0.460	0.480	0.583

The Contractor shall provide a color sample to the City of Newton for their review and action. The contractor shall not install pavement markings under this Item unless the pavement marking color has been approved by the City of Newton.

The surface of the Green Colorized Pavement Markings shall provide a minimum skid resistance value of 55 British Pendulum Number (BPN) when tested in accordance with ASTM E303.

The Contractor shall provide a Certificate of Compliance verifying the product supplied meets the specified daytime chromaticity requirements and friction requirements prior to installation.

CONSTRUCTION METHODS

The Contractor shall supply Shop Drawings to the Engineer for approval a minimum of 30 days in advance of installation. Shop Drawings shall include the product manufacturer’s instructions, material safety data sheets (MSDS) for all components including any primers and sealers, and all tools, equipment, and procedures to be used for the installation. No work shall commence until the Shop Drawings have been approved.

It shall be the responsibility of the Contractor to prepare the surface prior to the installation of any Green Colorized Pavement Markings. Any joints or cracks in the pavement shall be pre-treated per the manufacturer's recommendation. The surface shall be clean and dry prior to installation of the system. If additional surface preparation is recommended by the manufacturer, such as the installation of a primer or preheating, it shall be completed per the manufacturer's specifications. All surface preparation shall be considered incidental to the cost of the item.

ITEM 864.41 (Continued)

Any existing pavement markings that conflict with the Green Colorized Pavement Markings shall be removed by the Contractor in advance of installation; installation of colorized pavement markings over existing pavement markings shall not be allowed. All existing pavement markings that are to remain, castings, curbs, and rumble strips within the vicinity of the colorized pavement application shall be covered and protected by the Contractor.

Existing pavement markings damaged by the Green Colorized Pavement Markings installation shall be removed and replaced by the Contractor at no additional cost.

The Contractor shall follow all installation instructions from the manufacturer, including allowable ranges of temperature and humidity for installation, unless otherwise approved by the Engineer.

Upon completion of installation, a sealer shall be applied if recommended by the manufacturer. The sealer shall be installed per the manufacturer's specification. The application of a sealer shall be considered incidental to the cost of the item.

The Contractor shall maintain protection of the Green Colorized Pavement Markings installation from vehicle and foot traffic throughout the minimum cure time recommended by the manufacturer.

Method of Measurement and Basis of Payment

Item 864.41 Green Colorized Pavement Markings will be measured by the Square Foot, complete in place.

Green Colorized Pavement Markings will be paid for at the respective contract unit price per Square Foot. The contract prices shall include all material, labor, and equipment required or incidental to the completion of the work.

ITEM 874.2

TRAFFIC SIGN REMOVED AND RESET

EACH

DESCRIPTION

Work under this Item shall conform to the relevant provisions and amendments of Section 840 of the MassDOT "Standard Specifications for Highway and Bridges" and the following:

The work shall consist of removing and resetting the existing regulatory, warning, and directional signs and their supports to new locations as shown on the Plans or as directed by the City.

After removal, the Contractor shall stockpile the signs and their supports in a secure location until they are ready to be reset. The Contractor shall exercise caution during the removal, stockpiling and resetting operations. Signs panels and/or supports that have been designated by the Engineer for reuse, that are damaged or lost either directly or indirectly during the removal, stockpiling and resetting operations shall be replaced by the Contractor at his expense.

Materials for traffic signs removed and reset shall be the existing signs and supports. If in the opinion of the Engineer, the existing sign panel and/or support are unsuitable for reuse, a new sign panel and/or support of a sign and composition equal to the existing sign panel and/or support, shall be furnished, as required by the Engineer. The sign shall be mounted in accordance with the Manual on Uniform Traffic Control Devices, the MassDOT Amendment to the Manual on Uniform Traffic Control Devices, and the 1990 Standard Drawings for Signs and Supports.

When the visibility of the relocated sign panels is obstructed by trees and other vegetation, the Contractor shall clear the obstruction to ensure proper sight distance. All obstruction clearing shall be done within the City of Newton highway layout, as approved by the Engineer.

Traffic sign panels and supports designated for removal and resetting shall be cleaned before being reset.

The supports and existing foundations shall be removed to a depth of at least 6 inches below finished grade in grass area, at least 12 inches below finished graded in sidewalk and driveway areas, and 36 inches in roadway areas. The holes shall be backfilled with gravel. Where necessary, the surface shall be restored to match the existing condition or as required by the Engineer.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Payment under Item 874.2 shall be at the Contract Bid Price per Each and shall be full compensation for all labor, tools, equipment, materials, including any additional or replacement of mounting hardware, sign and support cleaning, support foundation removal, gravel backfill and restoration of the surface as well as transportation and all incidental expenses necessary to complete the work as shown on the Plans and as described in these Special Provisions.

If required by the Engineer, new signposts for Traffic Signs shall be furnished, installed and paid for separately under the applicable Item 847.1.

If required by the Engineer, new Traffic Sign panels shall be furnished, installed, and paid for separately under the applicable Item 832.

ITEM 874.41 TRAFFIC SIGN REMOVED AND DISCARDED EACH

GENERAL

Work under this Section shall conform to the applicable provisions of Section 850 of the Standard Specifications and the following:

The work shall consist of removing and discarding of existing regulatory, warning, street name signs, and directional signs and supports as shown on the plans or as directed by the City. Signs and attached hardware shall be carefully removed from their supports. If signs are attached to existing light poles, utility poles or traffic poles, only the sign and attached hardware shall be removed and discarded.

The supports and existing foundations shall be removed to a depth of at least 6 inches below finished grade in grass area, at least 12 inches below finished graded in sidewalk and driveway areas, and 36 inches in roadway areas. The holes shall be backfilled with gravel. Where necessary, the surface shall be restored to match the existing condition or as required by the Engineer.

The signs and supports removed under this Item shall be properly and legally disposed of by the Contractor off-site.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Item 874.41 Traffic Signs Removed and Discarded, for this item will be measured on an Each basis.

Item 874.41 Traffic Signs Removed and Discarded, will be paid for at the Contract unit price of Each for sign removed and discarded. The unit bid price shall be full compensation for dismantling, loading, transporting and discarding of the signs and supports as designated above, the excavating and disposal of the existing foundation, and the supplying and placing of compacted gravel backfill where foundations and posts are removed, and the patching of the existing surface, including all labor, material and incidentals to complete the work as shown on the Plans and as required by the Engineer.

ITEM 875.1
ITEM 875.2

PARKING METER REMOVED AND RESET
PARKING METER REMOVED AND STACKED

EACH
EACH

GENERAL

This work shall consist of either removing and replacing existing parking meter posts or installing new parking meter posts as indicated on the Contract drawings or as directed by the Engineer.

MATERIALS

Parking meter posts shall be set plumb in concrete conforming to Division III, Materials M4.02.00 of the MassDOT Standard Specifications for 4,000 psi, 1 ½ inch, 565 Cement Concrete.

CONSTRUCTION METHODS

Before any meter poles are removed, the Contractor shall contact the DPW Transportation Division Parking Manager, who will have all existing meter heads removed and stored by the City's Parking Meter Crew. The Contractor shall remove and store the meter poles and shall ensure that meter poles are not damaged during removal, storage, or re-installation.

The Contractor shall identify meter installation locations in the field and notify the DPW Transportation Division Parking Manager at least 5 business days before the poles are to be re-installed to enable a DPW Transportation Division staff member to confirm the locations. Meter posts shall be installed at the locations shown on the plans using a mechanical coring machine to core a hole for the meter post approximately 12 inches deep and 7 inches in diameter. Posts shall be installed to a depth of 12 inches and be backfilled with cement concrete. When resetting removed metered poles, the contractor must install each pole to a **height of 28 inches** above the sidewalk when cemented in. The Contractor shall notify the DPW Transportation Division Parking Manager no more than 48 hours after the meter poles have been re-installed to enable the City's Parking Meter Crew to re-install all meter heads to the newly mounted posts. The work shall consist of removing and stacking of existing parking meters as shown on the plans or as directed by the Engineer. Hardware shall be carefully removed from their supports.

Existing foundations shall be removed and disposed of and the hole shall be filled with gravel. The surface shall be patched with a material to match the existing ground or as required by the Engineer.

Before stacking, the parking meters shall be removed and temporarily stacked in a stockpile on the site for inspection by the City of Newton. Parking meters that the City has determined are sufficient for re-use shall be removed by the City. Parking meters not required by the City shall be removed and stacked by the Contractor away from the site.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Item 875.1 Parking Meter Removed and Reset will be measured on a per EACH basis.

Item 875.2 Parking Meter Removed and Stacked will be measured on a per EACH basis.

Item 875.1 Parking Meter Removed and Reset will be paid for at the contract unit price per EACH meter reset which price shall constitute full compensation for furnishing and installing new parking meter posts, keying pins, anchor bolts all other labor, tools, equipment, materials and incidentals necessary to complete the work. Cost of cement concrete for post foundations will be included in this item.

Item 875.2 Parking Meter Removed and Stacked will be paid for at the contract unit price per EACH meter removed and stacked which price shall constitute full compensation for dismantling, loading, transporting and stacking of the parking meter as designated above, the excavating and disposal of the existing foundation, and the supplying and placing of compacted gravel backfill where foundations and posts are removed, and the patching of the existing surface, including all labor, material and incidentals to complete the work as shown on the Plans and as required by the Engineer.

ITEM 998.1**MODULAR BUS PLATFORMS****LUMP SUM****GENERAL**

The following sections provide detailed specifications for the furnishing and delivery of modular bus platforms, associated hardware, and components that will be part of the work needed to complete the installation.

MATERIALS

The modular bus platforms shall be made up of a series of components that connect together to create an accessible bus stop platform. The main module components shall be hollow to reduce weight and be able to withstand impact and friction loads generated by bus wheels. Modular curb pieces shall be installed around the perimeter of the platform and shall have longitudinal retroreflective stripes for visibility during day and night. A ramp shall connect the modular platform to the existing sidewalk and shall allow for the free flow of stormwater beneath the ramp. Modular bus platforms shall include a bicycle lane access bridge at locations shown on the plans.

The surface of all components shall have a textured non-slip surface. Tactile warning surfaces shall be present at the boarding side of the platform.

The modular bus platforms shall allow for the flow of stormwater beneath the system so that the existing stormwater system is not impacted.

CONSTRUCTION METHODS

The physical configuration of the modular bus platforms shall be installed as shown on the plans.

Each module shall be linked together and be anchored to the pavement. All curb pieces shall be anchored to the pavement. The ramp to the sidewalk shall be linked securely to the platform.

Manufacturer shall provide step by step detailed installation instructions for the modular bus platform system.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Item 998.1 Modular Bus Platforms shall include all modular bus platforms shown on the plans fully furnished, delivered, and installed.

Price and payment for Item 998.1 Modular Bus Platforms shall constitute full compensation for complete compliance with this item, including materials, delivery, and installation.

ITEM 998.2**MODULAR MEDIANS****LUMP SUM****GENERAL**

The following sections provide detailed specifications for the furnishing and delivery of modular median systems, associated hardware, and components that will be part of the work needed to complete the installation.

MATERIALS

The modular medians shall be made up of durable modular units. Modular units shall be resistant to fuel and weather elements.

The surface of all components shall have a textured non-slip surface.

The perimeter of the modular median shall have yellow or white retroreflective pavement markings.

Traffic signs shall not be installed directly to the surface of the modular units.

CONSTRUCTION METHODS

The physical configuration of the modular median shall be installed as shown on the plans.

Modular median systems shall be anchored to the pavement per the manufacturer's instructions.

Manufacturer shall provide step by step detailed installation instructions for the modular median system.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Item 998.2 Modular Medians shall include all modular medians shown on the plans fully furnished, delivered, and installed.

Price and payment for Item 998.2 Modular Medians shall constitute full compensation for complete compliance with this item, including materials, delivery, and installation.

ITEM 999.02 ALLOWANCE FOR PAYMENT OF TRAFFIC CONTROL OFFICERS ALLOWANCE

Description

The Contractor shall include in his bid an allowance for payment of Police traffic officers as approved by the Engineer. This allowance will be used as a basis for comparison of bids only.

Under this item the Contractor shall be responsible for ordering, and for canceling details on a day-to-day basis. In the event the Contractor has ordered police details and does not give the police department ample advance notice that work has been cancelled for that day due to inclement weather or for any other reason, then the Contractor shall bear the expense of that billed detail.

The Contractor shall completely familiarize himself with the current policies regarding and/or regulating police details. In the event police detail requests cannot be completely filled to cover the Contractor's scheduled work for any particular day then the Contractor shall adjust his work schedule accordingly and shall not hold the City responsible for any loss of time, or for any other financial loss. The City of Newton will however grant an extension of time to the original contract term for each day lost due to insufficient police staffing.

Uniformed Traffic Officers will be required during the construction period and shall be paid for directly by the City. It shall be the responsibility of the Contractor to arrange for the necessary police details when approved by the City for each police detail required. This request and approval may be verbal or in writing at the discretion of the City. **Forty-Eight (48) hour notice to the Police Department is required.**

The City will pay the exact charges for police details ordered, with the approval of the Engineer, by the Contractor for this project. There will be no administration fee, mark-ups, or any other additional costs paid to the Contractor.

If the Contractor fails to cancel any police detail not needed, by the required deadline, as set forth by the Newton Police Department, the cost for such detail as invoiced to the City shall be deducted from the total reimbursement to the Contractor, unless otherwise waived by the City. There will be no separate payment for the Contractor's coordination with the Police Department or City to obtain police details."

Measurement and Payment

Under Item 999.02 the Contractor shall submit paid invoices to the Engineer. The Contractor shall then be reimbursed the full invoice amount for City of Newton Police Department charges and/or, when applicable, for Massachusetts State Police charges, as full reimbursement under the allowance for payment of Police officers.

The original invoice issued by the billing authority must be submitted to the Engineer for payment under this item.

END OF SECTION

Design Plans/Drawings (43-page separate file attached)