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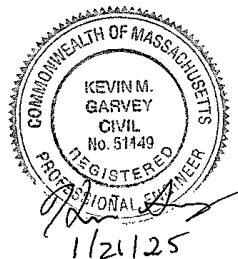
MANCHESTER-BY-THE-SEA DEPARTMENT OF PUBLIC WORKS

PROJECT MANUAL:
Advanced Meter Infrastructure (AMI) FY 25 Meter Replacement

INVITATION FOR PROPOSALS
(M.G.L. Chapter 30B Procurement)

Proposal Opening Date: 11:00 a.m., Wednesday, February 19, 2025

Design Documents Prepared By:
Manchester-by-the-Sea Department of Public Works and Wright-Pierce
Contact: Charles Dam, P.E. (978) 526-1242



January 2025

PROJECT MANUAL

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INVITATION FOR PROPOSAL
ADVANCED METER INFRASTRUCTURE (AMI) FY 25 METER REPLACEMENT
TOWN OF MANCHESTER-BY-THE-SEA, MA

I. GENERAL INFORMATION AND PROPOSAL SUBMISSION REQUIREMENTS

The Manchester-by-the-Sea Department of Public Works (MBTS or Town) invites sealed proposals in accordance with M.G.L. Chapter 30B from qualified contractors for:

Advanced Meter Infrastructure (AMI) FY 25 Meter Replacement

Proposals will be received at the Manchester-by-the-Sea Department of Public Works, 10 Central Street, Manchester-by-the-Sea, Massachusetts, 01944 with the name and address of the proposer and the words **"Advanced Meter Infrastructure (AMI) FY 25 Meter Replacement"**, on the envelope, until **February 19th, 2025 at 11:00 a.m.** at which time all proposals received shall be opened in room 6 of the DPW office. No proposal received after the date and time established herein for the opening of the proposals will be considered.

Work under this contract shall consist of: supply and implementation of Advanced Metering Infrastructure (AMI) system equipment and water meters. The scope of work shall include a 100-percent purchase of AMI meters, and required components, including support & maintenance services, and Meter Interface Units (MIU) with the future intent for the Town to coordinate with an installation contractor to install system-wide water meters. Fixed, cellular, or hybrid proposals will be accepted but must meet the minimum evaluation criteria to be assessed. Proposers are asked to provide their most advantageous proposal (fixed, cellular, or hybrid) that Proposer believes will best benefit the Town. The successful consultant must be ready to commence project work **within sixty (60) calendar days** of the contract award. Any deviation from this schedule must be clearly stated in the Proposer's response to the proposal, and any delay to start should be negotiated between the parties.

The Public Works Director, Chief Procurement Officer, or designee will review all proposals in accordance with Massachusetts General Law c. 30B, and final selection will be based on an evaluation and analysis of the information and materials required by this Information for Proposer (IFP). The contract will be awarded to a proposer who meets the minimum evaluation criteria, submits the required documents, has the demonstrated experience and resources to fulfill the contract and best meets the comparative criteria.

II. DOCUMENTS, INTENT, EXECUTION, CORRELATION

Information and Proposing Documents for the Project can be downloaded from the following designated website:

<https://www.wright-pierce.com/projects/>

All proposals must be made on the official Proposal Form provided herein and enclosed in a sealed envelope that is plainly marked “**Advanced Meter Infrastructure (AMI) FY 25 Meter Replacement**”.

All proposals shall be submitted to:

Town of Manchester-By-The-Sea
Attention: Mr. Charles Dam
Public Works Director
10 Central Street
Manchester-by-the-Sea Department of Public Works, Massachusetts 01944-1399
Tel: (978)526-4450

The contract will be awarded within sixty (60) days after the proposal opening. The time for award may be extended for up to one hundred (100) additional days by mutual agreement between the Town and the apparent top qualified proposer.

If any changes are made to this Invitation For Proposal (IFP), addenda will be issued. Addenda will be sent via email to all proposer on record as having requested the IFP and will be provided on the Wright-Pierce Projects website.

All inquiries from prospective proposers concerning this IFP must be submitted in writing and addressed to Kevin Garvey at: Kevin.Garvey@Wright-Pierce.com. Questions will only be received via email, and all inquiries must be submitted by no later than February 10th, 2025 at 11:00 AM. All responses to questions will be in writing and simultaneously distributed to all recipients of the IFP, and will be made available to all interested parties.

A proposer may correct, modify, or withdraw a proposal by written notice received by the Town of Manchester-by-the-Sea prior to the time and date set for the proposal opening. Proposal modifications must be submitted in a sealed envelope clearly labeled “Modification No. ____.” Each modification must be numbered in sequence, and must reference the original IFP.

After the proposal opening, a proposer may not change any provision of the proposal in a manner prejudicial to the interests of the Town or fair competition. Minor informalities may be waived or the proposer may be allowed to correct them. If a mistake in the intended proposal is clearly evident on the face of the proposal document, the mistake will be corrected to reflect the intended correct proposal, and the proposer will be notified in writing; the proposer may not withdraw the proposal.

The Town may cancel this IFP, or reject in whole or in part any and all proposals, if the Town determines that cancellation or rejection serves the best interests of the Town.

All proposal prices submitted in response to this IFP must remain firm for ninety (90) days following the proposal opening.

If, at the time of the scheduled proposal opening, the Town Hall office is closed due to uncontrolled events such as fire, snow, ice, wind, or building evacuation, the proposal opening will be postponed until 3:00 PM on the next normal business day. Proposals will be accepted until that date and time.

The Town's Chief Procurement Officer reserves the right to waive any informality in or to reject any and all proposals if it is deemed to be in the best interest(s) of the Town.

All proposals are subject to the provisions of all local, state and federal regulations.

III. PROPOSING PROCEDURE

Each proposal must include a **non-collusion form, proposal form, tax compliance certificate, reference form, Chapter 803 disclosure form, W-9 tax form, and contractor certification form**, all of which are attached.

A proposal must be signed as follows: 1) if the proposer is an individual, by him/her personally; 2) if the proposer is a partnership, by the name of the partnership, followed by the signature of each general partner; and 3) if the proposer is a corporation, by the authorized officer, whose signature must be attested to by the Clerk/Secretary of the Corporation and the corporate seal affixed.

Any misinterpretation of facts in a proposer's presentation shall be sufficient grounds for invalidating such proposal.

END OF SECTION

INSTRUCTIONS TO PROPOSERS

ARTICLE 1 - PROPOSER'S REPRESENTATION

- 1.1 Each General Proposer (hereinafter called the "Proposer") by making a proposal (hereinafter called "proposal") represents that:
 - a. The Proposer has read and understands the Invitation for Proposal (IFP) – Project Manual (hereinafter called Contract Documents) and the proposal is made in accordance therewith.
 - b. The Proposer has visited the work site and is familiar with the local conditions under which the work is to be performed.
- 1.2 Failure to so examine the Contract Documents and work site will not relieve any Proposer from any obligation under the proposal as submitted.

ARTICLE 2 - INTERPRETATION AND CORRECTION OF PROPOSING DOCUMENTS

- 2.1 Proposers shall promptly notify the Town of any ambiguity, inconsistency, or error which they may discover upon examination of the Contract Documents, the site, and local conditions. Failure to notify the Town shall constitute waiver of Contractor's right to recover costs that may result from such ambiguity, inconsistency or error.
- 2.2 Proposers requiring clarification or interpretation of the Contract Documents shall make a written request to *Kevin Garvey* by email at Kevin.Garvey@Wright-Pierce.com or by phone at (603) 570-7102. The Town will only answer such requests if received by: **11:00 a.m., February 10, 2025**.
- 2.3 Interpretation, correction, or change in the Contract Documents will be made by addenda which will become part of the Contract Documents. The Town will not be held accountable for any oral communication.
- 2.4 Addenda will be emailed to the select list of plan holders who were issued the Contract Documents.
- 2.5 Proposers contacting ANY MBTS EMPLOYEE regarding an Invitation for Proposal (IFP), outside of the designated contact, once an IFP has been released, may be disqualified from the procurement process.

ARTICLE 3 - PRE-PROPOSAL SITE VISIT

- 3.1 Not Applicable

ARTICLE 4 - PREPARATION AND SUBMISSION OF PROPOSALS

- 4.1 Proposal shall be submitted on the "Proposal Form" as appropriate, furnished by the MBTS DPW and the required Certifications and Authority to Sign.
- 4.2 All entries on the Proposal Form shall be made by typewriter/computer or in ink.

- 4.3 Where so indicated on the Proposal Form, sums shall be expressed in both words and figures. Where there is a discrepancy between the proposal sum expressed in words and the proposal sum expressed in figures, the words shall control.
- 4.4 The Proposal shall be enclosed in a sealed, opaque envelope with the following plainly marked on the outside:

GENERAL PROPOSAL FOR: ADVANCED METER INFRASTRUCTURE (AMI) FY 25
METER REPLACEMENT,

MANCHESTER-BY-THE-SEA DEPARTMENT OF PUBLIC WORKS, 10 CENTRAL STREET,
MANCHESTER-BY-THE-SEA, MASSACHUSETTS, 01944, AND (978) 526-4450

- 4.5 Date and time for receipt of proposal is set forth in the Invitation for Proposals.
- 4.6 Timely delivery of a proposal at the location designated shall be the full responsibility of the Proposer.
- 4.7 Proposal shall be submitted with one original.

ARTICLE 5 - ALTERNATES

- 5.1 No Alternates are included in this Project.

ARTICLE 6 - WITHDRAWAL OF PROPOSALS

- 6.1 Any proposal may be withdrawn prior to the time designated for receipt of proposals on written or telegraphic request. Telephone or facsimile requests for withdrawal of proposals must be confirmed over the Proposer's signature by written notice postmarked on or before the date and time set for receipt of proposals.
- 6.2 Withdrawn proposals may be resubmitted up to the time designated for the receipt of proposals.
- 6.3 No proposals may be withdrawn within ninety (90) days, Saturdays, Sundays, and legal holidays excluded, after the opening of the proposals.

ARTICLE 7 - CONTRACT AWARD

- 7.1 The contract will be awarded to the responsive and responsible proposer submitting the proposal that is most advantageously scored, taking into consideration all evaluation criteria as well as price. MBTS has the right to reject any or all proposals if it is deemed in the best interest of the Town. Proposer is asked to submit an AMI proposal determining whether a fixed, cellular, or hybrid approach will be most advantageous to the Town, ensuring that whichever method is chosen delivers 100% Town coverage.
- 7.2 The Selection Committee will review and rate all proposals received. Proposers will be evaluated first on Minimum Evaluation Criteria. If proposers meet all the Minimum Evaluation Criteria, they will next be evaluated on Comparative Evaluation Criteria. Proposers who fail one or more

categories under the Minimum Evaluation Criteria will be disqualified from further consideration. Minimum Evaluation Criteria and Comparative Evaluation Criteria are included in Appendix D.

- 7.3 A contract will be awarded within sixty (60) days, Saturdays, Sundays, and legal holidays excluded, after the opening of proposals.
- 7.4 The contract will be awarded to the responsive and responsible proposer submitting the most advantageous proposal, taking into consideration all evaluation criteria as well as price.
- 7.5 The Town reserves the right to waive any informalities in or to reject any or all Proposals if it be in the public interest to do so.
- 7.6 The Town reserves the right to reject any proposer who has failed to pay any local taxes, fees, assessments, betterments, or any other municipal charge, unless the proposer has a pending abatement application or has entered into a payment agreement with the collector-treasurer.
- 7.7 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 Proposer shall execute and deliver to the Town a contract in the form included in the Contract Documents in such number of counterparts as the Town may require.
- 7.8 In the event that the Town receives two proposals having an equivalent score, respondents may be asked to provide additional information. The Town may ask that all proposers present the proposed products during the selection process and feedback will be included in the determination of scores.

ARTICLE 8 - TAXES

- 8.1 The Proposer shall not include in its proposal 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 Town is exempt from payment of the Massachusetts Sales Tax, and the Proposer shall not include any sales tax on its proposal. The Town's exemption Number is 10606771.

ARTICLE 9 - INSURANCE REQUIREMENTS

- 9.1 The Proposer shall carry and maintain until after completion of the contract, insurance as specified below and in such form as shall protect the Town and any subcontractor 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 Proposer or by any subcontractor or by anyone directly or indirectly employed by either of them. The coverage and amounts of such insurance shall be as follows:

General Liability of at least \$1,000,000 Bodily Injury and Property Damage Liability, Combined Single Limit with a \$3,000,000 Annual Aggregate Limit. The Town and Wright-Pierce should be named as an "Additional Insured".

All policies shall identify the TOWN as an additional insured (except Workers'

Compensation) and shall provide that the TOWN shall receive written notification at least 30 days prior to the effective date of any amendment or cancellation. Certificates evidencing all such coverages shall be provided to the TOWN upon the execution of this Agreement. Each such certificate shall specifically refer to this Agreement and shall state that such insurance is as required by this Agreement. Failure to provide or to continue in force such insurance shall be deemed a material breach of this Agreement and shall be grounds for immediate termination.

Workers' Compensation Insurance as required by law.

- 9.2 All policies shall provide the Town 15 days' notice of cancellation, non-renewal, or material change. Certificates are to evidence notice and certificate wording to the effect that carriers will "endeavor to" provide notice and failure to provide notice "shall not impose liability or obligation" are not acceptable. Said policies shall be so written that the Town will be notified of cancellation at least fifteen (15) days prior to the effective date of such cancellation. Certificates in triplicate from the insurance carrier stating the limits of liability and expiration date shall be filed with the Town before operations are begun. Such certificates shall contain a statement referring specifically to this contract to the effect that all insurance coverage herein required has been provided; except that in the case of compensation insurance, certificates must be filed before an award can be made.

END OF SECTION

PROPOSAL CONTENT AND SUBMISSION REQUIREMENTS

1. EXECUTIVE SUMMARY

A brief narrative highlighting the Proposer's proposal and solutions to meet or exceed the MBTS Town's Project Goals. The summary should contain a minimum of technical terms and be oriented toward non-technical personnel.

2. SCOPE OF SERVICES

A discussion of the Proposer's understanding of the "overall" project and a summary of the products and services being proposed. The discussion should fully detail the equipment being provided, functionality of the equipment, results of a radio propagation study conducted by the proposer demonstrating coverage (applicable to fixed or hybrid system proposals), exceptions to this IFP and all other information that will assist the Town in making an informed decision on the system being supplied. Of importance will be details on how the Proposer will locate sites and obtain approvals for the installation of Proposer's collectors (applicable to fixed or hybrid system proposals).

3. COMPANY BACKGROUND AND QUALIFICATIONS

A narrative on the company background and qualifications to include:

- Cover Letter: A letter signed by an officer of the organization, binding the organization to all commitments being made in the Proposal.
- Name and type of organization (Proprietorship, Partnership, Corporation, etc.), principal business of the organization and principal specializations, address, year established, and location of principal office.
- Name, title, and telephone number of primary contact of the organization.
- Details for at least five (5) projects performed within the last five years of similar size and nature to the work described with names and telephone contact information. List projects by name, location, description of project scope of work, project cost, start date, completion date, and client's representative telephone number. Indicate individuals within the organization who were involved in each project.
- Any other additional information or description of resources supporting your organization's qualifications for this project.
- Disclose all current or pending litigation in relation to the supply and implementation of AMI systems.

4. PROPOSED SYSTEM HARDWARE, SOFTWARE and ACCESSORIES

Present, in detail, the key features and capabilities of the proposed system. Details should include at a minimum the following:

- A radio propagation study demonstrating the coverage of the proposers proposed system and/or Evaluation of cellular coverage
- Endpoints/Meter Interface Unit (MIU)

- Data Collection Software
- Customer/Client Portal
- Operational Overview
- Installation Support and Training
- Technical Support and Maintenance Programs
- Warranties for equipment supplied
- Quantities, Delivery Schedule and Commitment
- Recommended alternative configurations and/or equipment.

Required for fixed or hybrid solutions only:

- Data Collectors and Accessories
- How Proposer will install Data Collectors and obtain an FCC License (if required)
- Identification of Preliminary Site Locations for Collectors

5. OTHER DOCUMENTS

- Acknowledgment of Addenda: Each Proposer shall acknowledge the receipt of any addenda by signing and including it with their proposal.
- Signed Certificate of Non-Collusion included in Appendix E.
- Statement of State Tax Compliance included in Appendix E.
 - Price Proposal: Proposer shall provide unit price for each component of the system being provided. This pricing must be submitted on the Form for General Proposal included in Appendix G. Other equipment or services not listed on the Proposal Form, but which are recommended by the Proposer and to be considered by the Town shall be included in the spaces provided.
- All unit prices shall include all applicable fees and costs (delivery, supervision, etc.) relating to the project.
- Proposers should include a separate statement detailing the terms of payment.
- Proposers shall indicate all costs associated with each item and component being supplied, including, but is not limited to, equipment hardware, software, programming, set-up, training, shipping, coordination with installation contractor, insurance, annual maintenance, and any other costs or cellular fees required to provide a complete and operational system.
- Proposers should submit in detail all project costs of the proposed solution including but not limited to software licenses, hardware/equipment cost, maintenance fees, professional services fees for implementation, training, travel, and project management. Proposer's offer should be based on the most favorable terms available.
- Proposals must include all components that MBTS needs to attain the functionality detailed in this IFP. Furthermore, all consulting hours needed to implement the proposed solution, configuration, integration or job migration, reporting, and training, must be included in the Price Proposal.
- Proposers shall provide life-cycle details for the equipment being provided. A life cycle cost analysis shall be provided with clearly defined operating costs and verifiable evidence set at a fixed rate over 10 years and an estimate for the following 10 years. The operating cost shall have all incidental costs and fees including but not limited to hosting fees, customer portal fees, software maintenance

and licensing, AMI meter and MIU components maintenance and replacement, collector maintenance and replacement, and communication fees.

- While this IFP defines minimum requirements for the proposed solution, Proposers are encouraged to respond with optional products recommended that will enhance the system. Optional products must be clearly identified, fully described, and separately priced.
- Proposers must identify any needed interfaces and explicitly identify all costs in the pricing proposal.
- The Town may waive any minor informalities in the proposal process as described in Section 2 of Chapter 30B or allow the vendor to correct them. Other minor errors will be addressed in the spirit and letter of Chapter 30B.
- Proposals that are incomplete, not properly endorsed or signed, or which are contrary to the instructions provided in this IFP may be rejected.

ARTICLE 10 - ADDITIONAL REQUIREMENTS

- 10.1 Meetings: The selected supplier is expected to meet with the Town and its consultant monthly to provide updates on schedule, deliveries, and progress reports regarding the installation of collectors.
- 10.2 Deliverables: The selected supplier will furnish all equipment and services specified herein or as otherwise offered and accepted by the Proposer. Submittals for all equipment to be supplied must be submitted and approved by the Town's consultant prior to delivery. The submittal process will be conveyed to the selected supplier upon contract award.
- 10.3 Expenses: All travel and related expenses associated with this project shall be included in the supplier's proposal.
- 10.4 Insurance: The selected Proposer will be required to enter into Agreement with the Town and provide insurance coverage as shown in Section 20 of the attached sample Owner-Contractor Agreement included in Appendix F.

TIMELINE

The anticipated schedule for review of IFP's, selection of a supplier, and execution of an agreement is as follows:

1. IFP Available to Proposers January 22, 2025
2. Last Date to Receive Written Questions February 10, 2025
3. Proposal Due Date February 19, 2025
4. Interviews (if required) 1-2 weeks after proposals submitted
5. Selection of Supplier 3-5 weeks after proposals submitted
6. Execute Agreement & Notice to Proceed 2 weeks after selection

By submission of a proposal, the Proposer agrees to honor their proposal and not withdraw for a period of 90 days (Saturdays, Sundays and holidays excluded) after the deadline for receipt of proposals.

The successful Proposer must be ready to commence project work within sixty (60) calendar days of the

contract award. Any deviation from this schedule must be clearly stated in the Proposer's response to the proposal, and any delay to start should be negotiated between the parties.

Delivery of proposed equipment and services should be completed no later than 12 months following contract award, unless the deadline is extended by mutual agreement. Partial delivery during installation may be achieved upon mutual agreement.

END OF SECTION

APPENDIX A **SCOPE OF SERVICES**

Advanced Meter Infrastructure (AMI) FY 25 Meter Replacement

Objectives

The primary goals for the project are to automatically collect accurate, timely, and secure meter readings, reduce data collection errors and costs. The system should have the capability to provide accurate and timely meter reading data for billing purposes and shall also have the ability to provide daily meter consumption information and meter-based analytical alarms to facilitate enhanced utility operation and management of the total water distribution system. The Manchester-by-the-Sea Department of Public Works (Town or MBTS) desires to have the capability to provide documentation for high-water bill complaints including historical consumption graphs detailing daily or monthly usage.

The Town herein solicits proposals for water meters and advanced meter infrastructure (AMI) technology. Through advanced metering communications technology, the Town wants to collect meter readings and alarms which will be stored for transfer to a central location for electronic storage and action. The Town also wants to capture additional information such as interval data and log meter events that can be used for water usage profiling, demand forecasting, demand response, rate of flow recording, flow monitoring, time of use billing, and water conservation enforcement. The proposed system must be compatible with the Town's existing Continental Utility Solutions, Inc. (CUSI) billing software system.

Background

MBTS has approximately 2,645 meters including approximately 600 second meters predominately for irrigation. Approximately 80% of the residential and commercial meters are over 20 years old, while the age and type of the irrigation meters are widely unknown. The current metering system includes a combination of Sensus SRII positive displacement and Single Jet IPerl electromagnetic meters with drive-by or touchpad MXU. The meters range in size from 5/8" to 2". The Town intends to integrate new meters into its current billing system CUSI. Any subsequent annual bills from the vendor will be separate but should be known and included in the LCCA.

Manchester's Select Board commissioned a Water Resource Protection Task Force (WRPTF or "Task Force") in December 2021, which evaluated the Town's water usage and recommended conservation efforts. The WRPTF concluded in July of 2023 the Town's water meters are well past their life expectancy and likely under-report usage. Additionally, the Task Force recommended that Manchester's Select Board accelerate the timeline for drinking water infrastructure upgrades, including new AMI meters for all users and water main replacement. The Town's next step in addressing the UAW is to replace the revenue meters.

MBTS will be purchasing new meters under this contract. The selected Proposer shall install the AMI data collectors. The Town will also procure the services of an Installation Contractor under a separate contract who will install the AMI meters and MIU's supplied under this IFP. The full list of existing accounts, meter sizes and relevant meter information is included in Appendix B, Table 1.

1. SCOPE OF SERVICES

The scope of work shall include a systemwide **fixed, cellular, or hybrid** network deployment and vendor-hosted information system configuration, followed by supply of water meters, cellular and/or fixed data collection equipment and appurtenances, annual support, and maintenance services. A single manufacturer (Proposer) shall supply and support a fixed and/or cellular data collection system and equipment to collect meter readings and information from AMI modules and transmit the data to a central computer located at the Manchester-by-the-Sea Town offices located at 10 Central Street, Manchester-by-the-Sea, Massachusetts, 01944. In addition, the Proposer will be responsible for furnishing necessary hardware and software that will receive meter readings, prepare reports, and interface with the Town's utility billing system. The Proposer shall perform and deliver a propagation study, comprehensive with meter, register, and radio collector/cellular deployment, in the Town's service area and implement support to migrate from the current system to the AMI system. The Proposer must provide training to the Town personnel on the new system components, and full support services during the installation and startup of the system. If an FCC license frequency or permit needs to be obtained the proposer shall acquire and pay for it. The contract will procure the total (2,645) water meter units (MIU's), 5/8-inch to 2-inch, and fixed or cellular reading modules.

The Town must be able to operate the new system and its existing reading system in parallel, until the new system is completed, accepted and commissioned. The Town's water accounts shall be downloaded to the new data management software, providing for a gradual transition to AMI meter reading as future AMI modules and meters are installed. Proposers must state in writing the potential impacts of operating a new system in parallel with the existing system on the Town's existing computer system and the present interface with the billing system. The proposer shall provide equipment and implementation support to migrate from the current system to the cellular, fixed, or hybrid system. For fixed or hybrid systems, the Proposer shall install data collectors including securing sites, obtaining approvals and all other responsibilities associated with their installation. Warranty support services shall also be provided. The Proposer shall also work with and provide full support to the Independent Installation Contractor under a separate contract to install meters and MIU's supplied under this contract.

Proposers are expected to deliver equipment in accordance with the Technical Specifications in Appendix C upon entering into a contract with the Town and should provide a statement with their proposal which commits to minimum delivery schedules and quantities. Actual delivery time schedules shall be negotiated with the successful proposer upon entering into a contract with Town. The timing of equipment deliveries may be altered to the schedule of the Town's independent installing contractor.

2. ADDITIONAL REQUIREMENTS

A. Deliverables:

The selected Proposer will furnish all equipment and services specified herein or as otherwise offered and accepted by the Proposer. Submittals for all equipment to be supplied must be submitted and approved by the Town's consultant prior to delivery. The

submittal process will be conveyed to the selected Proposer upon contract award.

B. Expenses:

All travel and related expenses associated with this project shall be included in the supplier's proposal.

C. Warranty:

All meters provided shall have a minimum ten-year full replacement warranty for material and workmanship this shall include but is not limited to material defects and lead-free materials. All meter sizes shall meet AWWA C-715-18 standards and have a ten-year full replacement warranty on accuracy. All meter sizes shall have a battery warranty that is at a minimum a full replacement warranty for ten years.

The electronics (which includes but not be limited to PCBs, transducers, magnetic coils, LCDs, and battery), shall have a minimum full replacement warranty for ten (10) years.

All MIU's (e.g. endpoints and collectors) shall provide all warranty documents related to the products. Meter endpoints shall have at a minimum a 10-year full replacement battery and workmanship warranty. Meter endpoint shall have at a radio equipment warranty that is at a minimum a full warranty for ten years. The radio equipment warranty shall include but is not limited to two-way radio transmitter and all other components required for reliable data transmission.

D. Performance:

Meter manufacturer's solid-state meters shall meet or exceed AWWA C715-18 (for ultrasonic meters) or AWWA C700-20 (for displacement type mechanical meters, metal alloy main case) accuracy standards and warranty their published accuracy levels for the life of their meters. All meters shall have a minimum certified 99% accuracy at a minimum flow rate of 0.2 gpm to 25 gpm. This accuracy shall be guaranteed for 10 years regardless of volume of flow passing through meter and there shall be no exclusions in this warranty for water quality. The meter shall have a starting flow reading of 0.015 gpm.

E. Customer Portal:

Proposer is asked to present a customer portal that functions at a minimum on a web browser but is preferred to include IOS, and/or Android devices with clear and logical applications for customer usage. The customer portal should offer extensive information to the user such as daily usage records with the added ability to integrate with the Towns CUSI billing software.

F. FCC Compliance

All proposers are required to provide documentation confirming that their proposed cellular or radio systems are fully compliant with all applicable Federal Communications

Commission (FCC) regulations. Additionally, proposers must certify that the operation of their systems will not adversely affect the health or well-being of individuals, including any potential interference with brainwave activity or other biological processes.

G. Product Data Sheets

Proposer is asked to provide product data sheets for all equipment being used or submitted within the proposal.

3. TIMELINE

The successful Proposer must be ready to commence project work within sixty (60) calendar days of the Notice to Proceed. Any deviation from this schedule must be clearly stated in the Proposer's response to the Proposal, and any delay to start should be negotiated between the parties. Delivery and installation of the proposed AMI data collection equipment and services should be completed no later than sixty (60) days following contract award, unless the deadline is extended by mutual agreement. Partial meter and MIU delivery shall begin within sixty (60) calendar days from the Notice to Proceed. Subsequent meter and MIU deliveries shall be coordinated between Town and third-party installer.

4. PROPOSER MINIMUM REQUIREMENTS

Proposers must certify on the "Proposer's Certification of Minimum Requirements" form that they meet the vendor minimum qualifications, and that the manufacturer of the proposed equipment meets the manufacturer minimum qualifications listed below:

Proposer Minimum Qualifications:

A set of minimum evaluation criteria has been established for the Town to ensure that only qualified proposers capable of meeting essential Town requirements are considered for the proposing process in Appendix D. These are "pass-fail" criteria. Proposers which do not meet all criteria will be disqualified and will not proceed to the subsequent review stages. The minimum evaluation criteria is as follows:

The AMI solution shall address provisions to ensure data transmission accuracy, security, and immunity from outside interference as well as fading and other forms of signal degeneration or attenuation, and to prevent accidental loss or interception of customer or meter read data. The Proposer shall develop a preventive maintenance program for the upkeep and maintenance of the AMI system to minimize system disruptions. This program shall include procedures for identifying errors or potential system failures and correcting prior to the failure.

The Proposer shall provide the Town with appropriate licensing rights/authorizations of the AMI system control program (if proprietary) used for the integration of the AMI system with the Town's CUSI billing system. The AMI system control shall have logical security and access levels.

The Proposer shall provide manuals and customized written and electronic documents, including user guides, standard operating procedures and training on the AMI system sufficient for installation, configuration, operation, diagnostics, troubleshooting and repair upon completion of the Contract.

The work involved under the terms of the contract with the Proposer shall be full and complete execution of the items noted below and as described in this IFP. This effort involves the furnishing and installing of AMI cellular system, fixed, or hybrid equipment, to include but not be limited to the following:

1. Furnish MIU's for all water service meter locations. MIU's shall be capable of transmitting information to a collector provided as part of this contract.
2. Furnish AMI system endpoints, registers, and data collection devices (if fixed or hybrid) for a fully functioning system. Data receivers are to be capable of capturing signals from MIU's located in pits or hard to read locations. **The AMI system supplier will be responsible for the installation of the AMI data collectors and is responsible for obtaining permits and approvals of local, state and federal agencies; including any required FCC licensing.**
3. Furnish the means to export meter reading data to the Town's CUSI, asset management, work order, GIS, SCADA, and hydraulic modeling platforms.
4. Provide technical and installation support to the Town and its selected Independent Installation Contractor during system deployment.
5. Provide documentation adequately describing the configuration, operation and maintenance of the AMI system and its components, for use by Town employees or agents.
6. Provide training sufficient to enable Town staff to configure, implement, and properly operate and maintain the AMI system. The Proposer shall develop a plan for training Town employees on site and with the installed equipment. The plan shall provide the necessary information describing its training approach and schedule including who will provide the training, how the training will be performed, how long and what facilities will be required, and other relevant training activities and issues.
7. Provide technical support for the system over its expected life, including on-site and telephone support for Town staff, and patches and upgrades to the system software and firmware to ensure that the system continues to perform to design criteria.

The Contracted Proposer for this project shall comply with all Federal, State, County, and Town codes and regulations applicable to such work and perform the work in accordance with the requirements and specifications of the contract documents.

END OF SECTION

APPENDIX B
METER SIZES AND TOTAL MIU'S REQUIRED FOR ENTIRE DISTRIBUTION SYSTEM

Table 1 Meter Sizes and Total MIU's Required for Entire Distribution System

Meter Size	Meter Quantity
5/8	1,358
3/4"	652
1"	499
1 1/4"***	16
1.5"	66
2"	54
Total	2,645

*Estimated quantities for the purposes of responding to this IFP. Final quantities and pricing will be based on the final amount of meters delivered and accepted by the Town.

**14 of the 1 1/4" meters are to be sized down to 1" residential meters and the remaining 2 are to be upsized to 1 1/2" commercial meters.

END OF SECTION

APPENDIX C

TECHNICAL SPECIFICATIONS

Definition of Terms

For clarity and consistency, the following definitions are used in this document:

Acoustic Leak Detection – Process by which a meter uses a specialized built-in sensor that listens for the distinct sounds created by water leaks within the distribution system pipes.

Advanced Metering Infrastructure (AMI) – Process by which a meter is read via signal transmitted to an endpoint (Meter Interface Unit), from which a signal is emitted to a fixed-base system of Collectors or a cellular network. Data is then regularly transmitted to the Proposer Head End System (Meter Data Management).

AWWA – American Water Works Association.

Backflow Detection – Backflow detection is the detection of water moving backward through the meter and into the public distribution network. True backflow detection is based on identifying instantaneous occurrences of backwards flow and not the method of net aggregate directional basis over a period of time.

CUSI – Manchester-by-the-Sea’s Information and Billing System, Continental Utility Solutions, Inc.

Collector – A data collection unit that receives data from MIU’s through radio signalized reads and transmits data via download to the meter reading system device control computer.

Customer Portal – A web site and/or mobile application that provides access to customer-specific water usage and other related data. Some portals provide additional functionality such as bill payments, alert settings, notifications, and/or usage profiling.

End Customer – The party who is billed for water use by the Town.

Evaluation Committee – A committee, as appointed by the Town, responsible for recommending the best-qualified, most-responsive, and best value Proposer for the services described in this IFP.

Handheld – A programming, initialization, and troubleshooting device capable of manually reading meters via touch read or receiving radio signalized reads automatically.

Host Software – Receives data from Collectors or cellular devices. Manages the Collectors and sends data to other systems, such as CUSI, MDM, Customer Portal, etc.

IFP – Invitation for Proposals

Independent Installer – A firm selected by the Town responsible for the installation of the MIUs and meters supplied under this IFP.

Interface – The written code (or conversion software) which translates Proposer information into file formats compatible with the existing billing system, other software and database systems, such as CUSI,

MDM, GIS, SCADA, hydraulic models, etc.

IT – Information Technology.

Leak Detection (customer-side) – The tracking of a continuous flow of water through the meter over a time period and volume to account for meter size and application. Event must be transmitted during the normal remote reading process to be considered meeting this definition.

MBTS - Manchester-By-the-Sea (Town/Owner)

Meter Data Management (MDM) – Collects and stores meter data from an AMI system and processes that meter data into information that can be used by other Town applications including billing, customer information, asset management, computerized maintenance management, and other relevant Town management systems. MDM is a key resource for managing large quantities of meter interval read data.

Meter Interface Unit (MIU) – A radio transmitter that records and stores meter readings at prescribed intervals and transmits them to a collector or cellular device.

Performance Measures – Quantifiable and measurable AMI system and component standards of operation desired by the Town. Examples include meter read interval, read success rate, read accuracy, alert communication time, failure numbers and frequency, out-of-service timeframe, etc.

Proposer – The responsible entity submitting a response to the Town’s Invitation for Proposals. The selected equipment/system equipment supplier becomes the AMI equipment supplier following successful negotiation of a contract.

Register – The reading unit situated on top of the meter. Registers have a two-fold purpose: (1) to record the water flow measured by the meter and (2) to convey that information to the endpoint.

Remote Reading – See AMI definition. Not manual, walk-by, or touch pad meter reading.

Solution – Refers to the totality of systems and services proposed in response to this IFP. The term “Program” may also be used in this manner.

Tamper Detection – The identification of unauthorized modifications of the meter/register/radio apparatus. Acceptable claims for tamper detection include cut wire, magnetic detection, meter tilt, register removal, prolonged no flow periods, or any other event detectable by the equipment. Events must be transmitted during the normal remote reading process to be considered meeting this definition.

Town – The Manchester-by-the-Sea Department of Public Works (or MBTS/Owner/Town)

General

The following describes the technical requirements for the Town’s proposed new AMI system. The Town intends to procure the best-designed and operating AMI system to meet its long-term goals and needs. The Town is solely responsible for making judgments about the products and services being offered and whether they meet the intent of the IFP and the goals of the Project.

The Proposer shall present the technical aspects of its plan to perform the services described in this IFP.

The Proposer shall provide a description and detailed specifications of the technology to be used, the required infrastructure, and any software for managing the metering system and the collected meter data. Deliverables shall describe the approach for integration of the AMI system with the existing CUSI and other software and databases. Deliverables shall also include the specific warranties (coverage and periods) for all the AMI system components. If the proposed system(s) requires the Town to obtain a license for the system, the submittal shall detail all potential challenges and costs associated with obtaining and maintaining the license, including application and annual fees paid (if applicable), to the FCC, or other entities. The Proposer is responsible for obtaining FCC licensing. Recurring operational costs must be disclosed and included in the appropriate proposal items.

New meters will be outfitted with MIU's that will enable them to obtain, at minimum, timely, accurate, and automated meter readings along with other ancillary information as the new technology allows and as benefits justify costs. It is the Proposer's responsibility to propose in detail any components and ancillary services, not addressed in this IFP, that are required to ensure that the Town obtains a complete and fully functional system.

The AMI solution shall address provisions to ensure data transmission accuracy, security, and immunity from outside interference as well as fading and other forms of signal degeneration or attenuation, to prevent accidental loss or interception of customer or meter read data. The Proposer shall develop a preventive maintenance program for the up keeping and maintenance of the system to minimize system disruptions. This Program shall include procedures for identifying errors or potential system failures and correcting prior to the failure.

Equipment supplier shall provide manuals and customized written and electronic documents, including user's guides and standard operating procedures and training on the AMI system sufficient for installation, configuration, operation, diagnostics, troubleshooting and repair upon completion of the Contract.

Water Meters

New water meters will be installed by third party Contractor forces who will also install the MIUs being supplied under this IFP. The third party Contractor is not responsible for AMI data Collector installations.

Cold Water Meters 5/8-inch to 1-inch Specifications

1.0 GENERAL SCOPE

Except as otherwise modified or supplemented herein, the latest revision of AWWA Standard C-700 or AWWA Standard C-715 for Cold Water Meters shall govern the materials, design, manufacture, and testing of all meters furnished under this specification or equal as approved by the Town.

The Town reserves the right to request a sample meter to study prior to awarding the proposal.

1.1 STRAINERS

All meters shall contain a removable polypropylene plastic strainer screen. The strainer shall be located near the maincase inlet port, before the measuring chamber. The strainer shall also function as the device that holds the measuring chamber in place within the maincase. Straps or other types of fasteners shall not be accepted.

Cold Water Meters 1.5-inch to 2-inch Specifications

1.0 GENERAL SCOPE

Except as otherwise modified or supplemented herein, the latest revision of AWWA Standard C-702 or AWWA Standard C-715 for Cold Water Meters shall govern the materials, design, manufacture, and testing of all meters furnished under this specification or equal as approved by the Town.

The Town reserves the right to request a sample meter to study prior to awarding the proposal.

1.1 STRAINERS

All meters shall contain a removable polypropylene plastic strainer screen. The strainer shall be located near the maincase inlet port, before the measuring chamber. The strainer shall also function as the device that holds the measuring chamber in place within the maincase. Straps or other types of fasteners shall not be accepted.

Meter Interface Unit Specifications

1. Pulsing register technology shall not be utilized.
2. Shall be designed and built for interior and exterior installations as well as some meter pit installations.
3. Shall be housed in a single package designed for rugged, harsh environments and capable of complete submersion in water without damage (rated IP 67 or greater)
4. Must function accurately and not be damaged over an operating temperature range of -40 degrees to +140 degrees Fahrenheit.
5. MIUs shall be attached to new meters.
6. MIUs shall be manufactured in both wall and pit models. The wall MIU shall have the ability to be mounted in a basement or on the outside of a house. The pit MIU shall have the ability to be mounted in a pit or an underground vault and offer an optional through-the-pit-lid antenna. The wall and pit MIUs shall have a fully-potted, submersible design.

7. Should be designed to have a typical battery life of at least 20 years.
8. Shall provide 8-digit meter reading resolution capability for encoders.
9. MIUs shall feature "auto detect" functionality to detect the type of encoder connected and shall not require reprogramming in the field.
10. Shall store meter data including actual date and time stamps down to one (1) hour intervals for a minimum of 30 days in non-volatile memory.
11. The MIU shall employ actionable alerts, including but not limited to the following:
 - a. Tamper Alert or Meter disconnected
 - b. Incomplete Read
 - c. Small Leak Detected
 - d. Large Leak Detected
 - e. No Flow detected – Specific period set in the host software
 - f. Reverse Flow / Backflow
 - g. High Flow Rate Detected – Specifics set in host software
 - h. Battery Health (indicating time to failure)
 - i. Trouble codes.
1. Each MIU's clock date & time settings shall be updated to match reference Date & time that shall be regularly provided to the meter via the Host Server.
2. Shall be warranted to be free of any defects for a minimum period of ten (10) years from the date of install. Any MIU that fails during the warranty period shall be replaced at the manufacturer's expense (labor not included). Meter endpoints shall have a full replacement 20-year battery and workmanship warranty. Meter endpoint shall have a radio equipment warranty that is at a minimum a full warranty for ten years as well as a prorated warranty for the next ten years.
3. MIU shall include a label with manufacturer's name, model number, a tamper warning, identification number, required FCC labeling, and date of manufacture. Labeling must include a bar code of the MIU serial number capable of being scanned.
4. MIU shall have the ability to identify reverse flow occurrences and provide notification features that are configurable relative to meter size, type and urgency.
5. MIU's shall be remotely programmable from the MDM to calculate and trigger alarms based on consumption or operational conditions such as battery life, no flow, backflow, and tampering.

J. Back-up System

Proposer shall recommend and supply a back-up system for collections in the event of (1) an inability to read meters through the data collector/cellular service or; (2) for a back-up in the event the collection system was to fail.

K. System Performance

1. The Proposer shall guarantee the system performance. The performance will meet or exceed the following criteria:
 - a. The system will deliver at least 99% of all expected reads. The expected number of reads for each MIU is twenty-four (24) hourly reads daily.
 - b. The system will deliver at least 99.5% of billing reads. Billing reads are defined as readings to be used for calculation of utility bill. Billing reads must be actual readings within 3 days of the billing date.

L. Delivery

1. All products must be transferred and handled in accordance with the manufacturer's instructions.
2. Shipment of products shall be promptly inspected to ensure that products comply with requirements, quantities are correct, and products are undamaged.
3. All products shall be delivered to a location determined by the Town. Town will be responsible for unloading to a designated storage area.
4. Delivery schedule and shipping methods during the installation period are to be appropriate for quantities and time frame of the project. MIU's will be provided in quantities and at times requested by the Town and their Independent Installer. Proposers must provide an estimate of shipping schedule based on the system description provided in this document.
5. All manufacturer warranties for the products must be transferred to the Town upon final acceptance by the Town. In addition, the Proposer shall supply all software licenses, naming the Town as the holder.

END OF SECTION

APPENDIX D

SELECTION CRITERIA

The Town of Manchester-by-the-Sea (MBTS or Town) intends to use the procedures governing the selection of proposals with additional criteria for any municipality or local public agency as detailed in Uniform Procurement Act, M.G.L. c. 30B, §6.

Minimum Evaluation Criteria:

A set of minimum evaluation criteria has been established for the Town to ensure that only qualified vendors capable of meeting essential Town requirements are considered for the proposing process. These are “pass-fail” criteria. Vendors which do not meet all criteria will be disqualified and will not proceed to the subsequent review stages. Proposers shall initial the appropriate entry for each criterion, and include this sheet in the technical proposal submittal.

Name of Proposer:

1. The Proposer offers an AMI system.
Yes _____ No _____
2. The proposed customer portal functions on a web browser.
Yes _____ No _____
3. The AMI system proposed in this project is compatible with CUSI billing software.
Yes _____ No _____
4. The AMI system proposed in this project will achieve 100% full Town coverage.
Yes _____ No _____
5. The AMI equipment manufacturer has at least five (5) years of experience in the manufacture and supply of AMI systems for the water industry in the United States.
Yes _____ No _____
6. The AMI system proposed will have a secure and safe method of outputting meter data without compromising the private information of MBTS residents.
Yes _____ No _____
7. The AMI system proposed will be in FCC Compliance, and Proposer is able to certify that the operations of their system will not adversely affect the health or well-being of individuals, including any potential interference with brainwave activity or other biological processes.
Yes _____ No _____
8. The proposed meter will have a guarantee to meet the latest revision of AWWA Standard C-700, C-702, or AWWA Standard C-715 for Cold Water Meters and a meter accuracy requirement for at least 10 years.
Yes _____ No _____

Comparative Evaluation Criteria:

The Town shall apply the following criteria and points in the evaluation of the proposals.

“Highly Advantageous” (10 points x scaling factor) = response excels on the specific criterion,

“Advantageous” (6 points x scaling factor) = response meets evaluation standard for the criterion,

“Not Advantageous” (2 points x scaling factor) = response does not fully meet the evaluation criterion or leaves a question or issue not fully addressed, or

“Unacceptable” (0 points) = response does not address the elements of this criterion.

In addition, references beyond those included in the IFP response may be checked. In the case of two or more proposals having an equivalent score, respondents may be asked to provide additional information. The Town may ask all respondents to present the proposed products during the selection process and feedback on the presentation will be included in the determination of scores.

Name of Proposer:

No.	Criteria: <i>Description</i>	Scaling Factor	Max Points
1	Customer Portal: <i>Evaluates the customer portals ease of use</i>	2.5	25
2	Meter Longevity: <i>Evaluates the meter’s battery life and warranty</i>	1.5	15
3	MIU Longevity: <i>Evaluates the meter’s MIU battery life and warranty</i>	1	10
4	Short Term Cost: <i>Evaluate the proposals capital cost</i>	2	20
5	Long Term Cost: <i>Evaluates the proposals operational costs</i>	1	10
6	Meter Contents: <i>Evaluates the MIU’s data transmission intervals</i>	1	10
7	Additional Features	1	10
Total Score			100

1: Customer Portal (2.5X weighted, 25 points max)

Proposer's product provides a customer portal that has clear and logical applications for customer usage and offers extensive information to the user such as daily usage records and reports and ability to integrate with the Town's current billing software. Documents required for validity of the products customer portal are defined in **Appendix A** and **Appendix C** of this IFP.

Points	Rating	Description
10	Highly Advantageous	The IFP response indicates evidence that the product has a customer portal that functions on web browser, Android, and IOS devices with clear and logical applications for customer usage. The customer portal offers extensive information to the user such as daily usage records with the added ability to integrate with the Towns current billing software and allows users to pay service bills through the application.
6	Advantageous	The IFP response indicates evidence that the product has a customer portal that functions on web browser with clear and logical applications for customer usage. The customer portal offers extensive information to the user such as daily usage records with the added ability to integrate with the Towns current billing software and allows users to pay service bills through the application.
2	Not Advantageous	The IFP response indicates evidence that product has that the product has a customer portal that functions on web browser with clear and logical applications for customer usage. The customer portal offers extensive information to the user such as daily usage records with the added ability to integrate with the Towns current billing software.
0	Unacceptable	The IFP response does not have or does not communicate any reliable or verifiable evidence the product meets the minimum expectation for the customer portal or does not have a customer portal.

2: Water Meter Longevity (1.5X weighted, 15 points max)

Proposer's product has a full replacement warranty for the battery, and a full replacement warranty for manufacturing defects related to the metering device used in measuring the volume of water.

(Manufacturing defects may include is not limited to Electronics, Transducers and Register Components, and Accuracy.) The warranty shall include all diameters of meters installed. Proposer shall include a copy of their proposed warranty to verify the validity of the products replacement warranty as defined in **Appendix A** and **Appendix C** of this IFP.

Points	Rating	Description
10	Highly Advantageous	The IFP response indicates clearly defined verifiable evidence that the product has a full replacement warranty for greater than fifteen years on the product battery, and a ten-year full replacement warranty for manufacturing defects.
6	Advantageous	The IFP response indicates clearly defined verifiable evidence that the product has a full replacement warranty for eleven-year to fifteen-year on the product battery and a ten-year full replacement for manufacturing defects.
2	Not Advantageous	The IFP response indicates clearly defined verifiable evidence that the product has a ten-year a full replacement warranty on the product battery, and a ten-year full replacement warranty for manufacturing defects.
0	Unacceptable	The IFP response does not have or does not clearly communicate any reliable or verifiable evidence the product meets the Town's minimum expectation for replacement or warranties on the products battery and manufacturing defects.

3: MIU Longevity (1.0X weighted, 10 points max)

Proposer's product (endpoints and/or collectors) has a full replacement warranty for the battery, and a full replacement warranty for manufacturing defects for the endpoints and/or collectors and appurtenances. AMI meters with built-in MIU will receive credit for this section based on the meters warranty offerings. Proposer shall include a copy of their proposed warranty to verify the validity of the products replacement warranty as defined in **Appendix A** and **Appendix C** of this IFP.

Points	Rating	Description
10	Highly Advantageous	The IFP response indicates clearly defined verifiable evidence that the product has a full-coverage warranty on the product battery that is above fifteen-years, and a ten-year full coverage warranty for manufacturing defects such as radio equipment.
6	Advantageous	The IFP response indicates clearly defined verifiable evidence that the product has a full replacement or warranty for eleven to fifteen-year on the product battery and a ten-year full coverage warranty for manufacturing defects such as radio equipment.
2	Not Advantageous	The IFP response indicates clearly defined verifiable evidence that the product has a ten-year a full replacement or warranty on the product battery, and a ten-year full coverage warranty for manufacturing defects such as radio equipment.
0	Unacceptable	The IFP response does not have or does not clearly communicate any reliable or verifiable evidence the product meets the Town's minimum expectation for replacement or warranties on the products battery and manufacturing defects.

4: Short Term Cost (2X weighted, 20 points max)

Proposer's product comparatively has the lowest purchasing costs and includes clearly defined unit costs for the AMI meters, MIU's, related hardware or required equipment, and implementation fees. Points in this section shall be based on the total value from the Form for General Proposal in **Appendix G**.

Points	Rating	Description
10	Highly Advantageous	The IFP response indicates reliable evidence that product comparatively has the lowest purchasing cost for an AMI water metering system. The IFP response clearly defined unit cost for AMI meters, MIUs, the related hardware or required equipment, and implementation fees.
6	Advantageous	The IFP response indicates reliable evidence that product comparatively has a purchasing cost within 15% of the lowest proposal for an AMI water metering system. The IFP response clearly defined unit cost for AMI meters, MIUs, the related hardware or required equipment, and implementation fees.
2	Not Advantageous	The IFP response indicates reliable evidence that product comparatively has a purchasing cost within 25% of the lowest proposal for an AMI water metering system. The IFP response clearly defined unit cost for AMI meters, MIUs, the related hardware or required equipment, and implementation fees.
0	Unacceptable	The IFP response does not have or does not communicate clearly defined unit cost for AMI meters, MIUs, any related hardware or required equipment, and implementation fees OR The IFP response indicates reliable evidence that product comparatively has a purchasing cost within 35% of the lowest proposal for an AMI water metering system.

5: Long Term Cost (1X weighted, 10 points max)

Proposer's product has a low operating cost and life cycle cost analysis compared to all respondents. Respondents clearly defined operating costs with reliable and verifiable evidence set at a fixed rate over twenty years. Points in this section shall be based on the summation of the Subtotal Annual Costs from the Annual Operation and Maintenance Cost for Use in Conducting Life-Cycle Cost Analysis in **Appendix G**.

Points	Rating	Description
10	Highly Advantageous	The IFP response indicates reliable evidence that product comparatively has the lowest operating cost and twenty-year life cycle cost analysis. The IFP response also indicates clearly stated and reliable evidence that the products annual fees will be set at a fixed interest rate of 3% that will not increase over twenty-years.
6	Advantageous	The IFP response indicates reliable evidence that product comparatively has a operating cost and twenty-year life cycle cost analysis within 15% higher than the lowest proposal for an AMI water metering system. The IFP response also indicates clearly stated and reliable evidence that the products annual fees will be set at a fixed interest rate of 3% that will not increase over twenty-years.

2	Not Advantageous	The IFP response indicates reliable evidence that product comparatively has a operating cost and twenty-year life cycle cost analysis within 25% higher than the lowest proposal for an AMI water metering system. The IFP response also indicates clearly stated and reliable evidence that the products annual fees will be set at a fixed interest rate of 3% that will not increase over twenty-years.
0	Unacceptable	The IFP response does not have or does not communicate any reliable or verifiable evidence of the product's minimum requirements for operating cost and life cycle cost analysis to have reliable and verifiable evidence to have all incidental costs and fees including but is not limited to a fixed rate over twenty years for hosting fees, customer portal fee's, software maintenance and licensing, AMI meter and MIU components maintenance and replacement, and communication fees OR The IFP response indicates reliable evidence that product comparatively has an operating cost and twenty-year life cycle cost analysis within 35% higher than the lowest proposal for an AMI water metering system.

6: Meter Contents (1X weighted, 10 points max)

Proposer's product has multiple alarms to alert the customer of issues pertaining to leaks, reverse flow, or no flow. The meters would also need to have frequent flow data, customizable read intervals (as low as 1-15 minutes) for customers. Proposers shall provide documentation as stated in **Appendix A** and **Appendix C** of this IFP to verify the validity of the products ability to meet the Town's expectations.

Points	Rating	Description
10	Highly Advantageous	The IFP response indicates evidence that the product has multiple alarms to alert the customer of issues pertaining to leakage indication, reverse flow, or no flow. The IFP response also indicates evidence that the product has a consumption data reading and transmission schedule as frequent as every hour or less, available to customers through the customer portal.
6	Advantageous	The IFP response indicates evidence that the product has multiple alarms to alert the customer of issues pertaining to leakage indication, reverse flow, or no flow. The IFP response also indicates evidence that the product takes a consumption data reading every hour and transmits data between every two to six hours available to customers through the customer portal.
2	Not Advantageous	The IFP response indicates evidence that the product has multiple alarms to alert the customer of issues pertaining to leakage indication, reverse flow, or no flow. The IFP response also indicates evidence that the product takes a consumption data reading every hour with reading transmissions sent as frequently as every twenty-four hours available to customers through the customer portal.
0	Unacceptable	The IFP response does not have or does not communicate any reliable or verifiable evidence the product meets the minimum expectation for meter alarms, data reading and data transmission schedules.

7: Additional Features (up to 10 points)

The Selection Committee will consider any product with features that deviate from the standard evaluation criteria (*e.g. acoustic leak detection, applicability of references, prorated water meter and MIU warranties, full replacement workmanship warranties beyond the minimum requirement etc.*) as value-added criteria which the Town may deem relevant for the review and scoring of products. Refer to the **Proposal Content And Submission Requirements** and **Appendix C sections**.

Points	Rating	Description
10	Highly Advantageous	The Town of MBTS deemed relevant for the review and scoring of products. The IFP response indicated evidence that the product has comparatively the highest value-added item(s) or feature(s) that deviates from the standard evaluation criterion.
6	Advantageous	The Town of MBTS deemed relevant for the review and scoring of products. The IFP response indicated evidence that the product has comparatively the median value-added item(s) or feature(s) that deviates from the standard evaluation criterion.
2	Not Advantageous	The Town of MBTS deemed relevant for the review and scoring of products. The IFP response indicated evidence that the product has comparatively the lowest value-added item(s) or feature(s) that deviates from the standard evaluation criterion.
	Unacceptable	The Town of MBTS deemed relevant for the review and scoring of products. The IFP response does not have or does not communicate any reliable or verifiable evidence the product has any value added items or features that deviates from the standard evaluation criterion.

APPENDIX E
CERTIFICATIONS

You must COMPLETE and SIGN the following certifications. You must also print, at the bottom of this page, the name of the contractor for whom these certifications are submitted.

TAX COMPLIANCE

Pursuant to Chapter 62C of the Massachusetts General Laws, Section 49A(b), I, the undersigned, authorized signatory for the below named Proposer, do hereby certify under the pains and penalties of perjury that said Proposer has complied with all laws of the Commonwealth of Massachusetts relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

NON-COLLUSION

The undersigned certifies under the penalties of perjury that this proposal 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.

COMPLETE AND SIGN BELOW:

Authorized Person's Signature

Date: _____

Print Name & Title of Signatory

Advanced Meter Infrastructure (AMI) FY25 Meter Replacement
Name of Contract

APPENDIX F
CERTIFICATE OF AUTHORITY TO SIGN

At a duly authorized meeting of the Board of Directors of _____
(Company Name)

held on _____, at which all the Directors were present or waived notice, it was voted
(Date)

that _____, _____, _____
(Officer Names)

of this Company, be and he/she/they hereby is/are authorized to execute Proposal Documents, Contracts and Bonds in the name and on behalf of said Company, and affix its corporate seal thereto, and such execution of any contract or obligation in this Company's name on its behalf by such

_____ under seal of the Company shall be valid and binding upon this Company.
(Officer/Title)

I hereby certify that the above vote has not been amended or rescinded and remains in full effect as of this date _____.

A true copy,

ATTEST _____

Clerk

(Corporate Seal)

(General Proposer shall complete and submit this Form or a similar Form as proof of Authority to Sign)

PROPOSER'S QUALIFICATION FORM

1. Name of Proposer:
2. Permanent Main Office Address:
3. When Incorporated (If Applicable):
4. Where Incorporated (If Applicable):
5. How many years have you been engaged in the contracting business under your present firm name:
6. Contracts on Hand: (Type of project, client, gross amount, estimated completion date):

7. General character of work performed by your company:

8. Have you ever failed to complete any work awarded to you?

Yes _____ No _____ If yes, where, when and why:

9. Have you ever defaulted on a contract?

Yes _____ No _____ If yes, where, when and why:

10. List the more important projects, similar to the work of this contract, recently completed by your company, stating the name, address and telephone number of the owner, name and location of similar project, approximate cost for each, and time period of contract performance (month and year started/month and year completed).

11. List your major equipment available for this contract.

12. With what banks do you do business?

13. Do you grant the Awarding Authority permission to contact this (these) institution(s)?

Yes _____ No _____

Dated at _____ this _____ day of _____

Name of Proposer

By

Title

COMMONWEALTH OF MASSACHUSETTS

_____ being duly sworn, deposes and says that Proposer is

_____ of _____ and that the
(Title) (Name of Organization)

answers to the foregoing questions and all statements contained therein are true and correct.

Sworn to me this _____ day of _____, 20__

Notary _____

My commission expires _____

**OWNER - CONTRACTOR AGREEMENT
(FOR INFORMATIONAL PURPOSES – DO NOT SUBMIT)**

CONTRACT NAME: Advanced Meter Infrastructure (AMI) FY 25 Meter Replacement

DATE: _____

This Contract is entered into on, or as of, this date by and between the Manchester-by-the-Sea Department of Public Works, 10 Central Street, Manchester-by-the-Sea, Massachusetts, 01944 (the “Town”), and

[“Contractor”]

[Contact Name for Responsible Person]

[Address of the Contractor]

[Telephone Number] [FAX Number]

[email address]

1. This is a Contract for the procurement of the following:
2. The Contract price to be paid to the Contractor by Town is:
3. Payment will be made as follows:
4. Definitions:
 - 4.1 Contract Documents: All documents relative to the Contract including (where used) Request for Proposals and all attachments thereto, Instructions to Proposers, Proposal Form and Specifications. The

Contract documents are complementary, and what is called for by anyone shall be as binding as if called for by all.

- 4.2 Date of Substantial Performance: The date when the work is sufficiently complete and the services are performed, in accordance with Contract documents, as modified by approved Amendments and Change Orders.
- 4.3 Services: shall mean furnishing of labor, time, or effort by the Contractor. This term shall not include employment agreements, collective bargaining agreements, or grant agreements.
- 4.4 Work: The services or materials contracted for, or both.

5. Term of Contract and Time for Performance:

This Contract shall be fully performed by the Contractor in accordance with the provisions of the Contract Documents two hundred and seventy (270) days from the notice to proceed for equipment delivery, and then ten (10) years from the delivery of equipment date for training and support, unless extended, in writing, at the sole discretion of the Town, and not subject to assent by the Contractor.

6. Subject to Appropriation:

Notwithstanding anything in the Contract Documents to the contrary, any and all payments which the Town is required to make under this Contract shall be subject to appropriation or other availability of funds as certified by the Town Accountant. In the absence of appropriation or availability as certified herein, this Contract shall be immediately terminated without liability for damages, penalties or other charges to the Town.

7. Permits and Approvals:

Permits, Licenses, Approvals and all other legal or administrative prerequisites to its performance of the Contract shall be secured and paid for by the Contractor.

8. Termination and Default:

- 8.1 Without Cause. The Town may terminate this Contract on seven (7) calendar days' notice when in the Town's sole discretion it determines it is in the best interests of the Town to do so, by providing notice to the Contractor, which shall be in writing and shall be deemed delivered and received when given in person to the Contractor, or when received by fax, express mail, certified mail return receipt requested, regular mail postage prepaid or delivered by any other appropriate method evidencing actual receipt by the Contractor. Upon termination without cause, Contractor will be paid for services rendered to the date of termination.
- 8.2 For Cause. If the Contractor is determined by the Town to be in default of any term or condition of this Contract, the Town may terminate this Contract on seven (7) days' notice by providing notice to the Contractor, which shall be in writing and shall be deemed delivered and received when given in person to the Contractor, or when received by fax, express mail, certified mail return receipt requested, regular mail postage prepaid or delivered by any other appropriate method evidencing actual receipt by the

Contractor.

8.3 Default. The following shall constitute events of a default under the Contract:

any material misrepresentation made by the Contractor to the Town; 2) any failure to perform any of its obligations under this Contract including, but not limited to the following: (i) failure to commence performance of this Contract at the time specified in this Contract due to a reason or circumstance within the Contractor's reasonable control, (ii) failure to perform this Contract with sufficient personnel and equipment or with sufficient material to ensure the completion of this Contract within the specified time due to a reason or circumstance within the Contractor's reasonable control, (iii) failure to perform this Contract in a manner reasonably satisfactory to the Town, (iv) failure to promptly re-perform within a reasonable time the services that were rejected by the Town as unsatisfactory, or erroneous, (v) discontinuance of the services for reasons not beyond the Contractor's reasonable control, (vi) failure to comply with a material term of this Contract, including, but not limited to, the provision of insurance and nondiscrimination, (vii) any other acts specifically and expressly stated in this Contract as constituting a basis for termination of this Contract, and (viii) failure to comply with any and all requirements of state law and/or regulations, and Town bylaw and/or regulations.

9. The Contractor's Breach and the Town's Remedies:

Failure of the Contractor to comply with any of the terms or conditions of this Contract shall be deemed a material breach of this Contract, and the Manchester-by-the-Sea Town shall have all the rights and remedies provided in the Contract documents, the right to cancel, terminate, or suspend the Contract in whole or in part, the right to maintain any and all actions at law or in equity or other proceedings with respect to a breach of this Contract, including "Damages" including but not limited to costs, attorney's fees or other damages resulting from said breach ("Damages") as well as specific performance, and the right to select among the remedies available to it by all of the above.

10. Statutory Compliance:

10.1 This Contract will be construed and governed by the provisions of applicable federal, state and local laws and regulations; and wherever any provision of the Contract or Contract Documents shall conflict with any provision or requirement of federal, state or local law or regulation, then the provisions of law and regulation shall control. Where applicable to the Contract, the provisions of the General Laws are incorporated by reference into this Contract, including, but not limited to, the following:

General Laws Chapter 30B – Procurement of Goods and Services.

General Laws Chapter 30, Sec. 39, *et seq.* - Public Works Contracts.

General Laws Chapter 30, Section 39M, *et seq.* Construction and Materials Contracts.

10.2 The Contractor shall comply with all Federal, State and local laws, rules, regulations, policies and orders applicable to the Work provided pursuant to this Contract.

11. Conflict of Interest:

Both the Town and the Contractor acknowledge the provisions of the State Conflict of Interest Law (General Laws Chapter 268A), and this Contract expressly prohibits any activity which shall constitute a violation of that law. The Contractor shall be deemed to have investigated the application of M.G.L. c. 268A to the performance of this Contract.

12. Certification of Tax Compliance:

This Contract must include a certification of tax compliance by the Contractor, as required by General Laws Chapter 62C, Section 49A (Requirement of Tax Compliance by All Contractors Providing Goods, Services, or Real Estate Space to the Commonwealth or Subdivision).

13. Non-Discrimination/Affirmative Action:

The Contractor shall carry out the obligations of this Agreement in compliance with all requirements imposed by or pursuant to federal, State and local ordinances, statutes, rules and regulations and policies prohibiting discrimination in employment. Contractor shall not discriminate against any qualified employee or applicant for employment because of race, color, national origin, ancestry, age, sex, religion, physical or mental handicap or sexual orientation.

14. Assignment:

The Contractor shall not assign, sublet or otherwise transfer this Agreement, in whole or in part, without the prior written consent of the Town, and shall not assign any of the moneys payable under this Contract, except by and with the written consent of the Town.

15. Condition of Enforceability Against the Town:

This Contract is only binding upon, and enforceable against, the Town if: (1) the Contract is signed by the Board of Selectmen or its designee; and (2) endorsed with approval by the Town Accountant as to appropriation or availability of funds.

16. Corporate Contractor:

If the Contractor is a corporation and is being executed by a party other than its president, it shall endorse upon this Contract (or attach hereto) its Clerk's Certificate certifying the corporate capacity and authority of the party signing this Contract for the corporation. Such certificate shall be accompanied by a letter or other instrument stating that such authority continues in full force and effect as of the date the Contract is executed by the Contractor. This Contract shall not be enforceable against the Manchester-by-the-Sea Town unless and until the Contractor complies with this section.

17. Liability of Public Officials:

To the full extent permitted by law, no official, employee, agent or representative of the Manchester-by-the-Sea shall be individually or personally liable on any obligation of the Town under this Contract.

18. Indemnification:

The Contractor shall indemnify, defend and save harmless the Town, the Town's officers, agents and employees, from and against any and all damages, liabilities, actions, suits, proceedings, claims, demands, losses, costs, expenses, recoveries and judgments of every nature and description (including attorneys' fees) that may arise in whole or in part out of or in connection with the work being performed or to be performed, or out of any act or omission by the Contractor, its employees, agents, subcontractors, material men, and anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable. The Contractor further agrees to reimburse the Town for damage to its property caused by the Contractor, its employees, agents, subcontractors or material men, and anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, including damages caused by his, its or their use of faulty, defective, or unsuitable material or equipment, unless the damage is caused by the Town's gross negligence or willful misconduct.

The foregoing provisions shall not be deemed to be released, waived, limit or modified in any respect by reason of any surety or insurance provided by the Contractor under the Contract.

19. Insurance:

19.1 Workers Compensation Insurance:

The Contractor shall provide by insurance for the payment of compensation and the furnishing of other benefits under Chapter 152 of the General Laws of Massachusetts (The Worker's Compensation Act) to all employees of the Contractor who are subject to the provisions of Chapter 152 of the General Laws of Massachusetts.

Failure to provide and continue in force such insurance during the period of this Contract shall be deemed a material breach of this Contract, shall operate as an immediate termination thereof, and Contractor shall indemnify the Town for all losses, claims, and actions resulting from the failure to provide the insurance required by this Article.

The Contractor shall furnish to the Town a certificate evidencing such insurance prior to the execution of this Contract before the same shall be binding on the parties thereto, except if specifically waived by the Town.

19.2 Professional Liability Insurance:

Provide as outlined in the Instructions to Proposers.

Failure to provide and continue in force such insurance during the period of this Contract shall be deemed a material breach of this Contract, shall operate as an immediate termination thereof, and Contractor shall indemnify the Town for all losses, claims, and actions resulting from the failure to provide the insurance required by this Article.

19.3 Other Insurance Requirements:

Provide as outlined in the Instructions to Proposers.

The intent of the Specifications regarding insurance is to specify minimum coverage and minimum limits of liability acceptable under the Contract. However, it shall be the Contractor's responsibility to purchase and maintain insurance of such character and in such amounts as will adequately protect it and the Town from and against all claims, damages, losses and expenses resulting from exposure to any casualty liability in the performance of the work, including and not limited to Professional liability insurance where applicable.

All policies shall identify the Town and Wright-Pierce as an additional insured (except Workers' Compensation). The Contractor must provide notice to the Town immediately upon the cancellation modification of the policy. All Certificates of Insurance, shall contain true transcripts from the policies, authenticated by the proper officer of the Insurer, evidencing in particular those insured, the extent of coverage, the location and operations to which the insurance applies, the expiration date and the above-mentioned notice clauses.

The Contractor shall obtain and maintain during the term of this Contract the insurance coverage in companies licensed to do business in the Commonwealth of Massachusetts and acceptable to the Town.

20. Documents, Materials, Etc.:

Any materials, reports, information, data, etc. given to or prepared or assembled by the Contractor under this Contract are to be kept confidential and shall not be made available to any individual or organization by the Contractor (except agents, servants, or employees of the Contractor) without the prior written approval of the Town, except as otherwise required by law. The Contractor shall comply with the provisions Chapter 66A of the General Laws of Massachusetts as it relates to public documents, and all other state and federal laws and regulations relating to confidentiality, security, privacy and use of confidential data.

Any materials produced in whole or in part under this Contract shall not be subject to copyright, except by the Town, in the United States or any other country. The Town shall have unrestricted authority to, without payment of any royalty, commission, or additional fee of any type or nature, publicly disclose, reproduce, distribute and otherwise use, and authorize others to use, in whole or in part, any reports, data or other materials prepared under this Contract.

All data, reports, programs, software, equipment, furnishings, and any other documentation or product paid for by the Town shall vest in the Town at the termination of this Contract. The Contractor shall at all times, during or after termination of this Contract, obtain the prior written approval of the Town before making any statement bearing on the work performed or data collected under this Contract to the press or issues any material for publication through any medium.

21. Audit, Inspection and Recordkeeping:

At any time during normal business hours, and as often as the Town may deem it reasonably necessary, there shall be available in the office of the Contractor for the purpose of audit, examination, and/or to make excerpts or transcript all records, contracts, invoices, materials, payrolls, records of personnel,

conditions of employment and other data relating to all matters covered by this Agreement.

22. No Employment:

The Contractor acknowledges and agrees that it is acting as an independent Contractor for all services rendered pursuant to this Contract, and neither the Contractor, nor its employees, agents, servants nor any person for whose conduct the Contractor is responsible shall be considered an employee or agent of the Town for any purpose and shall not file any claim or bring any action for any worker's compensation unemployment benefits and compensation for which they may otherwise be eligible as a Town employee as a result of work performed pursuant to the terms of this Contract.

23. Payment:

The Town agrees to make all reasonable efforts to pay to the Contractor the sum set forth in the Proposer's proposal within thirty (30) days of receipt of an invoice detailing the work completed and acceptance from the Town of the work satisfactorily completed.

24. Waiver and Amendment:

Amendments, or waivers of any additional term, condition, covenant, duty or obligation contained in this Contract may be made only by written amendment executed by all signatories to the original Agreement, prior to the effective date of the amendment.

25. Severability:

If any term or condition of this Contract or any application thereof shall to any extent be held invalid, illegal or unenforceable by the court of competent jurisdiction, the validity, legality, and enforceability of the remaining terms and conditions of this Contract shall not be deemed affected thereby unless one or both parties would be substantially or materially prejudiced.

26. Forum and Choice of Law:

This Contract and any performance herein shall be governed by and be construed in accordance with the laws of the Commonwealth. Any and all proceedings or actions relating to subject matter herein shall be brought and maintained in the courts of the Commonwealth or the federal Town court sitting in the Commonwealth, which shall have exclusive jurisdiction thereof. This paragraph shall not be construed to limit any other legal rights of the parties.

27. Notices:

Any notice permitted or required under the provisions of this Contract to be given or served by either of the parties hereto upon the other party hereto shall be in writing and signed in the name or on the behalf of the party giving or serving the same. Notice shall be deemed to have been received at the time of actual service or three (3) business days after the date of a certified or registered mailing properly addressed. Notice to the Contractor shall be deemed sufficient if sent to the address set forth on the first page of this Agreement or furnished from time to time in writing hereafter.

28. Binding on Successors:

This Contract is binding upon the parties hereto, their successors, assigns and legal representatives (and where not corporate, the heirs and estate of the Contractor). Neither the Town nor the Contractor shall assign or transfer any interest in the Contract without the written consent of the other.

29. Entire Agreement:

This Contract, including all documents incorporated herein by reference, constitutes the entire integrated agreement between the parties with respect to the matters described. This Contract supersedes all prior agreements, negotiations and representations, either written or oral, and it shall not be modified or amended except by a written document executed by the parties hereto.

30. Change Orders:

Change orders may not increase the contract price by more than twenty-five (25%) per cent, in compliance with General Laws Chapter 30B, §13.

IN WITNESS WHEREOF the parties have hereto and to two other identical instruments set forth their hands and executed this as an instrument under seal this the day and year first above written.

Town of Manchester-by-the-Sea by:

The Contractor by:

Gregory Federspiel, Town
Administrator

Date

Signature

Date

Andrea Mainville, Town
Accountant, Certifying
Availability of Funds

Date

Print Name & Title

APPENDIX G
FORM FOR GENERAL PROPOSAL

TO THE AWARDING AUTHORITY:

- A. The undersigned proposes to furnish all labor, materials, equipment, and supervision required for the **Advanced Meter Infrastructure (AMI) FY 25 Meter Replacement** in Manchester-by-the-Sea, Massachusetts for the itemized pricing specified below, subject to additions and deductions according to the terms of the specifications.
- B. This Proposal includes addenda number(s) __, __, __, __,
- C. The PROPOSAL FORM is:

Item No	Description**	Estimated Quantity	Unit	Unit Price	Proposal Price	Proposal Price in Words
1	Host Software & AMI Collection Unit	1	LS			
2	Project Management	1	LS			
3	AMI System and Customer Portal Acceptance Testing	1	LS			
4	Support Services*	1	LS			
5	Training Services*	1	LS			
6	Documentation	1	LS			
7a	5/8" Meter and MIU***	1,358	EA			
7b	3/4" Meter and MIU	652	EA			
7c	1" Meter and MIU	513	EA			
7d	1 1/2" Meter and MIU	68	EA			
7e	2" Meter and MIU	54	EA			
8	Recommended Equipment or Services	1	LS			
Total Proposal						

*The price submitted will be guaranteed cost for year 1. The following years 2-10 will need guaranteed cost documented in the Life-cycle cost analysis in the next section.

**Descriptions are defined in Appendix H

***Estimated meter size quantities for the purposes of responding to this RFP. Final meter size quantities

and pricing will be based on the final amount of meters delivered and accepted by the Town.

The undersigned has completed and submits herewith the following documents:

1. Signed Proposal Form, 2 pages
2. Signed Certifications, 1-page
3. Authority to Sign, 1-page

The undersigned agrees that, if s/he is selected as general contractor, s/he will within five days, Saturdays, Sundays and legal holidays excluded, after presentation thereof by the awarding authority, execute a contract in accordance with the terms of this proposal and furnish the required insurance certificates.

(Name of General Proposer) _____

(Authorized Signature) _____

(Printed Name and Title of Signatory) _____

(Business Address) _____

(CORPORATE SEAL)

(Town, State, Zip) _____

(E-mail address) _____

(Telephone/Fax) _____

(Federal Tax I.D. #) _____

(Date) _____

NOTE: If the proposer 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; and if an individual, give residential address if different from business address.

Annual Operating and Maintenance Cost for Use In Conducting Life-Cycle Cost Analysis

Year	Customer/Client Portal Software Support, Maintenance and License Fees* (Lump Sum)	Fixed/Cellular Data Collector Maintenance and License Fees* (Lump Sum)	Fixed/Cellular Data Collector Backhaul Communication Costs* (Lump Sum)	AMI Meter/MIU Maintenance Cost * (Lump Sum)	Subtotal Annual Cost**
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
Total					

Annual costs and fees should include a 3% cost escalation factor unless being fixed and/or waived as part of this proposal.

The proposer shall provide the estimated annual power/energy usage for the fixed or cellular data collection system. The energy costs will be calculated based on a cost of \$0.40/KW using a 3% cost escalator for the 20-year period of the life cycle cost analysis.

Annual Estimated power/energy usage = KW

*Years 1-10 are guaranteed cost. Years 11-20 are estimated costs. If submitted costs for years 11-20 will be guaranteed, please specify this.

A life cycle cost analysis shall be provided with clearly defined operating costs and verifiable evidence set at a fixed rate over 20 years. The operating cost shall have all incidental costs and fees including but not limited to hosting fees, cellular communication fees, customer portal fees, software maintenance and licensing, AMI meter and MIU components maintenance and replacement, collector maintenance and replacement, and communication fees.

** Summation of the entire row

APPENDIX H

MEASUREMENT AND PAYMENT

A. Host Software & AMI Collection Unit (Proposal Item 1)

- A. Method of Measurement: Host Software and AMI Collection Unit shall be measured on a lump sum basis.
- B. Basis of Payment: The AMI system reading equipment hardware must be user friendly, simple to use, and provide detailed information. The AMI System must allow Town staff to easily manipulate the customer database to allow for changes in the customer information. The AMI data collection unit shall be sited, furnished, and installed by the Proposer, inclusive of an FCC license if needed.

The AMI meter reading software should be aesthetically pleasing, simple for users to navigate, and be capable of storing the utilities customer database. The meter reading software shall have at least two licenses for access concurrently. The software shall easily interface with the current billing system (CUSI).

The Proposer shall manage the data, and back-office operations, including but not limited to data backups, software upgrades, and installation of software patches after system start-up. The host server shall be accessible by the Town with a secure utility or customer log in and password to view the system data from any web enabled device. The Proposer shall update the AMI software upon release of new updates by the manufacturer. The Proposer shall validate proper installation of the upgrade and the integration into the Town's billing system. The Proposer shall provide separate on-site training for Town staff at no additional cost to the Town within 15 days of any significant upgrades on the operation of the software. The Proposer shall provide unlimited on-line and telephone support to address any questions or issues in the use of the software. The Proposer shall coordinate costs for data hosting for the first full year following acceptance shall be included in this agreement. Costs for data hosting over subsequent years will be paid for under a separate agreement.

Proposer shall include a ten (10) year full replacement warranty on all equipment, software and labor on the AMI system provided that shall be in effect following commission and acceptance of the entire system including MIU's.

B. Project Management (Proposal Item 2)

- A. Method of Measurement: Project Management shall be measured on a lump sum basis.
- B. Basis of Payment: The Proposer shall provide project management for their scope of work. The project manager shall be required to coordinate activities with the Town and its Independent Installation Contractor. The Proposer's project manager will function as a part of the overall program management team led by the Town. The Proposer shall provide as part of the technical proposal its proposed statement of project management responsibility including scheduling project activities, coordinating activities, tracking progress, and reporting to the

Town. Project management and technical services shall include, but are not limited to the following:

- i. Arrange and oversee installation of network control software.
- ii. Coordinate with the Town and representatives from the Town's existing billing system and information system to execute required interfaces.
- iii. Analyze AMI system performance during implementation to ensure testing and acceptance criteria are met.
- iv. Participate in meetings with the Town and its designated representatives during project implementation by the Town's Independent Installation Contractor.
- v. Coordinate FCC licensing, if required.

The Proposer shall submit a draft Project Implementation Plan with their technical proposal. The Project Implementation Plan should detail the following items, at a minimum:

- i. Project team
- ii. Project approach
- iii. AMI software installation and configuration
- iv. Plan and approach for interface with billing system
- v. System testing
- vi. Training, and
- viii. Equipment manufacturing/product lead times.

C. AMI System and Customer Portal Acceptance Testing (Proposal Item 3)

- A. Method of Measurement: AMI System and Customer Portal Acceptance Testing shall be measured on a lump sum basis.
- B. Basis of Payment: The Proposer shall demonstrate the functionality of the AMI system and customer portal supplied, working closely with the Town during installation and implementation. The testing will be conducted on the installed system by reading the meters with the AMI system, downloading the reading data into the Town's workstations, and manipulating the data as would be used during normal operations by the Town. During testing, if a meter fails to be read, errors are communicated, or other questionable actions occur, the Proposer shall work with the Town, Town's representatives, and meter installation contractor to determine the cause. If the equipment furnished by the Proposer is found to be faulty, the Proposer shall replace and install the equipment at no cost to the Town.

The following criteria will be **demonstrated** by the Proposer to assure the equipment functions as specified:

- i. Activation and functionality of radio collectors or cellular equipment.
- ii. That accounts are recognized in ready state.
- iii. Account data reading between the AMI network, customer portal, and customers CUSI.
- iv. Average of 99% success rate for delivery of daily reads for network.
- v. System can recover missed interval profile data.

- vi. Time accuracy is synchronized to within 5 seconds across the entire network.
- vii. Town personnel training in retro-fitting nodes and/or installation of hardware.
- viii. Verify accurate bills.
- ix. Leak, high-use and tamper alarms and functionality.
- x. Submit and receive acceptance of operating manuals.

The customer portal shall be available through a web browser at a minimum. The addition of IOS Android device application is preferred. Daily water usage records shall be provided to customers within 24 hours of reads.

D. Support Services (Proposal Item 4)

- A. Method of Measurement: Support Services shall be measured on a lump sum basis.
- B. Basis of Payment: The Proposer shall provide both telephone and onsite support services for one year from the final delivery of water meter and MIUs. For telephone support, the Proposer shall provide trained persons to answer technical questions and guide Town employees through the use or diagnosis of the system through a toll-free number. Telephone support shall be available at a minimum from 8:00 a.m. through 6:00 p.m. Eastern time. Indicate telephone support hours proposed and response time expected. For On-site support and additional training, The Town requires that a manufacturer representative visit the appropriate utility personnel on no less than a quarterly basis to provide service and support for the life of the system.

The successful Proposer shall provide to the Town on-call assistance services for a period of ten (10) years following the delivery of the equipment. The Proposer shall have a factory trained system specialist on staff and located with-in two hours travel time of the Town or have a network operations center which continuously monitors system performance staffed by network specialists. The proposer shall provide a toll-free telephone help desk with availability between the hours of 8:00 a.m. and 6:00 p.m., Eastern Time, with afterhours telephone numbers available as needed for Town staff and customer support. The help desk services shall include: mobile software operations problems/questions; equipment returns and repairs; loaner equipment processing; evaluation of information for updates or revisions; evaluation of personnel training needs.

The help desk must maintain a minimum four (4) hour acknowledgement of issue, with a twenty-four (24) hour maximum resolution time on all issues. Latitude for programming issues will be given on an issue-by-issue basis and shall be resolved within a reasonable time not to exceed (1) week. However, the successful Proposer must present a reasonable alternative to utilize within the twenty-four (24) hour time, during the extended resolution period. This requirement is for the initial contract period and future maintenance agreements.

For warranty-related problems, loaner equipment shall be provided to the Town while the failed equipment is repaired or replaced by the Successful Proposer. Loaner equipment must be delivered overnight, at no cost to the Town.

All hardware or software upgrades shall be provided free of charge during the one-year-long period after system acceptance.

Additional on-site training shall also be available for an additional daily fee if necessary.

E. Training Services (Proposal Item 5)

- A. Method of Measurement: Training Services shall be measured on a lump sum basis.
- B. Basis of Payment: Proposal shall provide separate training at Town's offices. Training shall be completed in a minimum of four (2) sessions of 4 hours (maximum) and accommodate up to 12 total attendees. The Town reserves the right to videotape all training sessions. Training must cover (at a minimum) the following items:
 - i. installation,
 - ii. trouble shooting,
 - iii. configuration,
 - iv. billing system integration,
 - v. software functionality and reporting, Mobile error coding, and
 - vi. uploading / downloading data from the data collection units from the AMI system software.

F. Documentation (Proposal Item 6)

- A. Method of Measurement: Documentation shall be measured on a lump sum basis.
- B. Basis of Payment: Proposer must provide Town with all documentation needed to install, operate, and maintain the AMI system and all components. Documentation must serve both for training and reference and must be kept up to date with any system or software upgrades or corrections. Complete customized documentation shall be provided in paper and electronic versions.

G. Water Meter and MIU Various Sizes (Proposal Items 7a through 7f)

- A. Method of Measurement: Documentation shall be measured as the actual number of water meters delivered and installed.
- B. Basis of Payment: Proposer shall delivery the Town water meters and MIUs of the corresponding sizes and quantities as noted in the bid form. Meter shall meet the quality standards as identified throughout the IFP.

H. Recommended Equipment or Services (Proposal Item 8)

- A. Method of Measurement: Recommended Equipment and Services shall be measured on a lump sum basis.
- B. Basis of Payment: Any additional equipment or products that the Proposer suggests is beneficial to the Town may be recommended for implementation. This includes any additional equipment, meter modifications, services, or AMI devices that are not being proposal as part of the base proposal form.

APPENDIX I
PREVAILING WAGE RATES



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: Manchester-by-the-Sea Department of Public Works
Contract Number: **City/Town:** MANCHESTER
Description of Work: supply and implementation of Advanced Metering Infrastructure (AMI) system equipment, purchase of water meters, and meter MIU's.
Job Location: 10 Central St, Manchester-by-the-Sea, MA 01944

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.

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
Construction						
(2 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	01/01/2025	\$39.95	\$15.57	\$20.17	\$0.00	\$75.69
	06/01/2025	\$40.95	\$15.57	\$20.17	\$0.00	\$76.69
	12/01/2025	\$40.95	\$15.57	\$21.78	\$0.00	\$78.30
	01/01/2026	\$40.95	\$16.17	\$21.78	\$0.00	\$78.90
	06/01/2026	\$41.95	\$16.17	\$21.78	\$0.00	\$79.90
	12/01/2026	\$41.95	\$16.17	\$23.52	\$0.00	\$81.64
	01/01/2027	\$41.95	\$16.77	\$23.52	\$0.00	\$82.24
(3 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	01/01/2025	\$40.02	\$15.57	\$20.17	\$0.00	\$75.76
	06/01/2025	\$41.02	\$15.57	\$20.17	\$0.00	\$76.76
	12/01/2025	\$41.02	\$15.57	\$21.78	\$0.00	\$78.37
	01/01/2026	\$41.02	\$16.17	\$21.78	\$0.00	\$78.97
	06/01/2026	\$42.02	\$16.17	\$21.78	\$0.00	\$79.97
	12/01/2026	\$42.02	\$16.17	\$23.52	\$0.00	\$81.71
	01/01/2027	\$42.02	\$16.77	\$23.52	\$0.00	\$82.31
(4 & 5 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	01/01/2025	\$40.14	\$15.57	\$20.17	\$0.00	\$75.88
	06/01/2025	\$41.14	\$15.57	\$20.17	\$0.00	\$76.88
	12/01/2025	\$41.14	\$15.57	\$21.78	\$0.00	\$78.49
	01/01/2026	\$41.14	\$16.17	\$21.78	\$0.00	\$79.09
	06/01/2026	\$42.14	\$16.17	\$21.78	\$0.00	\$80.09
	12/01/2026	\$42.14	\$16.17	\$23.52	\$0.00	\$81.83
	01/01/2027	\$42.14	\$16.77	\$23.52	\$0.00	\$82.43
ADS/SUBMERSIBLE PILOT <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	01/01/2024	\$117.16	\$10.08	\$24.29	\$0.00	\$151.53
For apprentice rates see "Apprentice- PILE DRIVER"						
AIR TRACK OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2024	\$40.61	\$9.65	\$17.70	\$0.00	\$67.96
	06/01/2025	\$42.00	\$9.65	\$17.70	\$0.00	\$69.35
	12/01/2025	\$43.38	\$9.65	\$17.70	\$0.00	\$70.73
	06/01/2026	\$44.82	\$9.65	\$17.70	\$0.00	\$72.17
	12/01/2026	\$46.26	\$9.65	\$17.70	\$0.00	\$73.61
	06/01/2027	\$47.71	\$9.65	\$17.70	\$0.00	\$75.06
	12/01/2027	\$49.16	\$9.65	\$17.70	\$0.00	\$76.51
	06/01/2028	\$50.66	\$9.65	\$17.70	\$0.00	\$78.01
	12/01/2028	\$52.16	\$9.65	\$17.70	\$0.00	\$79.51
For apprentice rates see "Apprentice- LABORER"						
AIR TRACK OPERATOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2024	\$40.61	\$9.65	\$17.80	\$0.00	\$68.06
	06/01/2025	\$42.00	\$9.65	\$17.80	\$0.00	\$69.45
	12/01/2025	\$43.38	\$9.65	\$17.80	\$0.00	\$70.83
	06/01/2026	\$44.82	\$9.65	\$17.80	\$0.00	\$72.27
	12/01/2026	\$46.26	\$9.65	\$17.80	\$0.00	\$73.71
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
ASBESTOS REMOVER - PIPE / MECH. EQUIPT. <i>HEAT & FROST INSULATORS LOCAL 6 (BOSTON)</i>	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

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
ASPHALT RAKER <i>LABORERS - ZONE 2</i>	12/01/2024	\$40.11	\$9.65	\$17.70	\$0.00	\$67.46
	06/01/2025	\$41.50	\$9.65	\$17.70	\$0.00	\$68.85
	12/01/2025	\$42.88	\$9.65	\$17.70	\$0.00	\$70.23
	06/01/2026	\$44.32	\$9.65	\$17.70	\$0.00	\$71.67
	12/01/2026	\$45.76	\$9.65	\$17.70	\$0.00	\$73.11
	06/01/2027	\$47.21	\$9.65	\$17.70	\$0.00	\$74.56
	12/01/2027	\$48.66	\$9.65	\$17.70	\$0.00	\$76.01
	06/01/2028	\$50.16	\$9.65	\$17.70	\$0.00	\$77.51
	12/01/2028	\$51.66	\$9.65	\$17.70	\$0.00	\$79.01
For apprentice rates see "Apprentice- LABORER"						
ASPHALT RAKER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2024	\$40.11	\$9.65	\$17.80	\$0.00	\$67.56
	06/01/2025	\$41.50	\$9.65	\$17.80	\$0.00	\$68.95
	12/01/2025	\$42.88	\$9.65	\$17.80	\$0.00	\$70.33
	06/01/2026	\$44.32	\$9.65	\$17.80	\$0.00	\$71.77
	12/01/2026	\$45.76	\$9.65	\$17.80	\$0.00	\$73.21
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2024	\$57.03	\$15.55	\$16.50	\$0.00	\$89.08
	06/01/2025	\$58.33	\$15.55	\$16.50	\$0.00	\$90.38
	12/01/2025	\$59.78	\$15.55	\$16.50	\$0.00	\$91.83
	06/01/2026	\$61.08	\$15.55	\$16.50	\$0.00	\$93.13
	12/01/2026	\$62.53	\$15.55	\$16.50	\$0.00	\$94.58
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BACKHOE/FRONT-END LOADER <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2024	\$57.03	\$15.55	\$16.50	\$0.00	\$89.08
	06/01/2025	\$58.33	\$15.55	\$16.50	\$0.00	\$90.38
	12/01/2025	\$59.78	\$15.55	\$16.50	\$0.00	\$91.83
	06/01/2026	\$61.08	\$15.55	\$16.50	\$0.00	\$93.13
	12/01/2026	\$62.53	\$15.55	\$16.50	\$0.00	\$94.58
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BARCO-TYPE JUMPING TAMPER <i>LABORERS - ZONE 2</i>	12/01/2024	\$40.11	\$9.65	\$17.70	\$0.00	\$67.46
	06/01/2025	\$41.50	\$9.65	\$17.70	\$0.00	\$68.85
	12/01/2025	\$42.88	\$9.65	\$17.70	\$0.00	\$70.23
	06/01/2026	\$44.32	\$9.65	\$17.70	\$0.00	\$71.67
	12/01/2026	\$45.76	\$9.65	\$17.70	\$0.00	\$73.11
	06/01/2027	\$47.21	\$9.65	\$17.70	\$0.00	\$74.56
	12/01/2027	\$48.66	\$9.65	\$17.70	\$0.00	\$76.01
	06/01/2028	\$50.16	\$9.65	\$17.70	\$0.00	\$77.51
	12/01/2028	\$51.66	\$9.65	\$17.70	\$0.00	\$79.01
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
BLOCK PAVER, RAMMER / CURB SETTER <i>LABORERS - ZONE 2</i>	12/01/2024	\$40.61	\$9.65	\$17.70	\$0.00	\$67.96
	06/01/2025	\$42.00	\$9.65	\$17.70	\$0.00	\$69.35
	12/01/2025	\$43.38	\$9.65	\$17.70	\$0.00	\$70.73
	06/01/2026	\$44.82	\$9.65	\$17.70	\$0.00	\$72.17
	12/01/2026	\$46.26	\$9.65	\$17.70	\$0.00	\$73.61
	06/01/2027	\$47.71	\$9.65	\$17.70	\$0.00	\$75.06
	12/01/2027	\$49.16	\$9.65	\$17.70	\$0.00	\$76.51
	06/01/2028	\$50.66	\$9.65	\$17.70	\$0.00	\$78.01
	12/01/2028	\$52.16	\$9.65	\$17.70	\$0.00	\$79.51
For apprentice rates see "Apprentice- LABORER"						
BLOCK PAVER, RAMMER / CURB SETTER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2024	\$40.61	\$9.65	\$17.80	\$0.00	\$68.06
	06/01/2025	\$42.00	\$9.65	\$17.80	\$0.00	\$69.45
	12/01/2025	\$43.38	\$9.65	\$17.80	\$0.00	\$70.83
	06/01/2026	\$44.82	\$9.65	\$17.80	\$0.00	\$72.27
	12/01/2026	\$46.26	\$9.65	\$17.80	\$0.00	\$73.71
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 (LYNN)</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

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

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	12/01/2024	\$56.40	\$15.55	\$16.50	\$0.00	\$88.45
OPERATING ENGINEERS LOCAL 4	06/01/2025	\$57.68	\$15.55	\$16.50	\$0.00	\$89.73
	12/01/2025	\$59.12	\$15.55	\$16.50	\$0.00	\$91.17
	06/01/2026	\$60.40	\$15.55	\$16.50	\$0.00	\$92.45
	12/01/2026	\$61.84	\$15.55	\$16.50	\$0.00	\$93.89

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

CAISSON & UNDERPINNING BOTTOM MAN	12/01/2024	\$48.10	\$9.65	\$18.22	\$0.00	\$75.97
LABORERS - FOUNDATION AND MARINE	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	12/01/2024	\$46.95	\$9.65	\$18.22	\$0.00	\$74.82
LABORERS - FOUNDATION AND MARINE	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"

CAISSON & UNDERPINNING TOP MAN	12/01/2024	\$47.28	\$9.65	\$18.22	\$0.00	\$75.15
LABORERS - FOUNDATION AND MARINE	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"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
CARBIDE CORE DRILL OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2024	\$40.11	\$9.65	\$17.70	\$0.00	\$67.46
	06/01/2025	\$41.50	\$9.65	\$17.70	\$0.00	\$68.85
	12/01/2025	\$42.88	\$9.65	\$17.70	\$0.00	\$70.23
	06/01/2026	\$44.32	\$9.65	\$17.70	\$0.00	\$71.67
	12/01/2026	\$45.76	\$9.65	\$17.70	\$0.00	\$73.11
	06/01/2027	\$47.21	\$9.65	\$17.70	\$0.00	\$74.56
	12/01/2027	\$48.66	\$9.65	\$17.70	\$0.00	\$76.01
	06/01/2028	\$50.16	\$9.65	\$17.70	\$0.00	\$77.51
	12/01/2028	\$51.66	\$9.65	\$17.70	\$0.00	\$79.01

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

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

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
CARPENTER WOOD FRAME	10/01/2024	\$26.65	\$7.02	\$4.80	\$0.00	\$38.47
CARPENTERS-ZONE 3 (Wood Frame)	10/01/2025	\$27.75	\$7.02	\$4.80	\$0.00	\$39.57
	10/01/2026	\$28.85	\$7.02	\$4.80	\$0.00	\$40.67
All Aspects of New Wood Frame Work						

Apprentice - CARPENTER (Wood Frame) - Zone 3

Effective Date - 10/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$15.99	\$7.02	\$0.00	\$0.00	\$23.01
2	60	\$15.99	\$7.02	\$0.00	\$0.00	\$23.01
3	65	\$17.32	\$7.02	\$1.00	\$0.00	\$25.34
4	70	\$18.66	\$7.02	\$1.00	\$0.00	\$26.68
5	75	\$19.99	\$7.02	\$4.80	\$0.00	\$31.81
6	80	\$21.32	\$7.02	\$4.80	\$0.00	\$33.14
7	85	\$22.65	\$7.02	\$4.80	\$0.00	\$34.47
8	90	\$23.99	\$7.02	\$4.80	\$0.00	\$35.81

Effective Date - 10/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$16.65	\$7.02	\$0.00	\$0.00	\$23.67
2	60	\$16.65	\$7.02	\$0.00	\$0.00	\$23.67
3	65	\$18.04	\$7.02	\$1.00	\$0.00	\$26.06
4	70	\$19.43	\$7.02	\$1.00	\$0.00	\$27.45
5	75	\$20.81	\$7.02	\$4.80	\$0.00	\$32.63
6	80	\$22.20	\$7.02	\$4.80	\$0.00	\$34.02
7	85	\$23.59	\$7.02	\$4.80	\$0.00	\$35.41
8	90	\$24.98	\$7.02	\$4.80	\$0.00	\$36.80

Notes:

Apprentice to Journeyworker Ratio:1:5

CEMENT MASONRY/PLASTERING	07/01/2024	\$49.19	\$13.35	\$24.21	\$1.80	\$88.55
BRICKLAYERS LOCAL 3 (LYNN)						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
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Apprentice - CEMENT MASONRY/PLASTERING - Eastern Mass (Lynn)

Effective Date - 07/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.60	\$13.35	\$16.43	\$0.00	\$54.38
2	60	\$29.51	\$13.35	\$19.21	\$1.80	\$63.87
3	65	\$31.97	\$13.35	\$20.21	\$1.80	\$67.33
4	70	\$34.43	\$13.35	\$21.21	\$1.80	\$70.79
5	75	\$36.89	\$13.35	\$22.21	\$1.80	\$74.25
6	80	\$39.35	\$13.35	\$23.21	\$1.80	\$77.71
7	90	\$44.27	\$13.35	\$24.21	\$1.80	\$83.63

Notes:

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

Apprentice to Journeyworker Ratio:1:3

CHAIN SAW OPERATOR LABORERS - ZONE 2	12/01/2024	\$40.11	\$9.65	\$17.70	\$0.00	\$67.46
	06/01/2025	\$41.50	\$9.65	\$17.70	\$0.00	\$68.85
	12/01/2025	\$42.88	\$9.65	\$17.70	\$0.00	\$70.23
	06/01/2026	\$44.32	\$9.65	\$17.70	\$0.00	\$71.67
	12/01/2026	\$45.76	\$9.65	\$17.70	\$0.00	\$73.11
	06/01/2027	\$47.21	\$9.65	\$17.70	\$0.00	\$74.56
	12/01/2027	\$48.66	\$9.65	\$17.70	\$0.00	\$76.01
	06/01/2028	\$50.16	\$9.65	\$17.70	\$0.00	\$77.51
	12/01/2028	\$51.66	\$9.65	\$17.70	\$0.00	\$79.01
For apprentice rates see "Apprentice- LABORER"						
CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES OPERATING ENGINEERS LOCAL 4	12/01/2024	\$58.18	\$15.55	\$16.50	\$0.00	\$90.23
	06/01/2025	\$59.51	\$15.55	\$16.50	\$0.00	\$91.56
	12/01/2025	\$60.98	\$15.55	\$16.50	\$0.00	\$93.03
	06/01/2026	\$62.31	\$15.55	\$16.50	\$0.00	\$94.36
	12/01/2026	\$63.79	\$15.55	\$16.50	\$0.00	\$95.84
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
COMPRESSOR OPERATOR OPERATING ENGINEERS LOCAL 4	12/01/2024	\$36.67	\$15.55	\$16.50	\$0.00	\$68.72
	06/01/2025	\$37.52	\$15.55	\$16.50	\$0.00	\$69.57
	12/01/2025	\$38.47	\$15.55	\$16.50	\$0.00	\$70.52
	06/01/2026	\$39.33	\$15.55	\$16.50	\$0.00	\$71.38
	12/01/2026	\$40.28	\$15.55	\$16.50	\$0.00	\$72.33
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
DELEADER (BRIDGE) PAINTERS LOCAL 35 - ZONE 2	01/01/2025	\$58.46	\$9.95	\$23.95	\$0.00	\$92.36

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- LABORER"						
DEMO: CONCRETE CUTTER/SAWYER	12/02/2024	\$48.00	\$9.65	\$18.40	\$0.00	\$76.05
LABORERS - ZONE 2	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	12/02/2024	\$47.75	\$9.65	\$18.40	\$0.00	\$75.80
LABORERS - ZONE 2	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: WRECKING LABORER	12/02/2024	\$47.00	\$9.65	\$18.40	\$0.00	\$75.05
LABORERS - ZONE 2	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	12/01/2024	\$56.40	\$15.55	\$16.50	\$0.00	\$88.45
OPERATING ENGINEERS LOCAL 4	06/01/2025	\$57.68	\$15.55	\$16.50	\$0.00	\$89.73
	12/01/2025	\$59.12	\$15.55	\$16.50	\$0.00	\$91.17
	06/01/2026	\$60.40	\$15.55	\$16.50	\$0.00	\$92.45
	12/01/2026	\$61.84	\$15.55	\$16.50	\$0.00	\$93.89
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
DIVER	08/01/2024	\$78.11	\$10.08	\$21.66	\$0.00	\$109.85
PILE DRIVER LOCAL 56 (ZONE 1)						
as of 8-1-24, Apprentices with diving licenses begin at second year. % of Diver wage 70/80/90 2A \$69.83, 3A \$91.79,4A \$102.14 Total Rate						
DIVER TENDER	08/01/2024	\$55.79	\$10.08	\$24.29	\$0.00	\$90.16
PILE DRIVER LOCAL 56 (ZONE 1)						
as of 8-1-24, Apprentices with diving licenses begin at second year. % of Piledriver wage 70/80/90 2A \$54.20, 3A \$73.93,4A \$82.05 Total Rate						
DIVER TENDER (EFFLUENT)	08/01/2024	\$83.69	\$10.08	\$24.29	\$0.00	\$118.06
PILE DRIVER LOCAL 56 (ZONE 1)						
For apprentice rates see "Apprentice- PILE DRIVER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
DIVER/SLURRY (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2024	\$117.16	\$10.08	\$24.29	\$0.00	\$151.53
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

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 :

Apprentice to Journeyworker Ratio:2:3***

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
ELEVATOR CONSTRUCTOR <i>ELEVATOR CONSTRUCTORS LOCAL 4</i>	01/01/2022	\$65.62	\$16.03	\$20.21	\$0.00	\$101.86
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
For apprentice rates see "Apprentice - ELEVATOR CONSTRUCTOR"						
FENCE & GUARD RAIL ERECTOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2024	\$40.11	\$9.65	\$17.80	\$0.00	\$67.56
	06/01/2025	\$41.50	\$9.65	\$17.80	\$0.00	\$68.95
	12/01/2025	\$42.88	\$9.65	\$17.80	\$0.00	\$70.33
	06/01/2026	\$44.32	\$9.65	\$17.80	\$0.00	\$71.77
	12/01/2026	\$45.76	\$9.65	\$17.80	\$0.00	\$73.21
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
FIELD ENG.INST.PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	11/01/2024	\$51.78	\$15.30	\$16.40	\$0.00	\$83.48
	05/01/2025	\$53.22	\$15.30	\$16.40	\$0.00	\$84.92
	11/01/2025	\$54.51	\$15.30	\$16.40	\$0.00	\$86.21
	05/01/2026	\$55.95	\$15.30	\$16.40	\$0.00	\$87.65
	11/01/2026	\$57.24	\$15.30	\$16.40	\$0.00	\$88.94
	05/01/2027	\$58.67	\$15.30	\$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>	11/01/2024	\$53.37	\$15.30	\$16.40	\$0.00	\$85.07
	05/01/2025	\$54.82	\$15.30	\$16.40	\$0.00	\$86.52
	11/01/2025	\$56.12	\$15.30	\$16.40	\$0.00	\$87.82
	05/01/2026	\$57.57	\$15.30	\$16.40	\$0.00	\$89.27
	11/01/2026	\$58.87	\$15.30	\$16.40	\$0.00	\$90.57
	05/01/2027	\$60.32	\$15.30	\$16.40	\$0.00	\$92.02
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FIELD ENG.ROD PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	11/01/2024	\$25.37	\$15.30	\$16.40	\$0.00	\$57.07
	05/01/2025	\$26.22	\$15.30	\$16.40	\$0.00	\$57.92
	11/01/2025	\$26.98	\$15.30	\$16.40	\$0.00	\$58.68
	05/01/2026	\$27.83	\$15.30	\$16.40	\$0.00	\$59.53
	11/01/2026	\$28.59	\$15.30	\$16.40	\$0.00	\$60.29
	05/01/2027	\$29.44	\$15.30	\$16.40	\$0.00	\$61.14
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
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 / COMMISSIONING <i>ELECTRICIANS</i> <i>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
For apprentice rates see "Apprentice- TELECOMMUNICATIONS TECHNICIAN"						
FIREMAN (ASST. ENGINEER) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2024	\$45.96	\$15.55	\$16.50	\$0.00	\$78.01
	06/01/2025	\$47.02	\$15.55	\$16.50	\$0.00	\$79.07
	12/01/2025	\$48.19	\$15.55	\$16.50	\$0.00	\$80.24
	06/01/2026	\$49.25	\$15.55	\$16.50	\$0.00	\$81.30
	12/01/2026	\$50.43	\$15.55	\$16.50	\$0.00	\$82.48
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FLAGGER & SIGNALER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2024	\$27.01	\$9.65	\$17.80	\$0.00	\$54.46
	06/01/2025	\$28.09	\$9.65	\$17.80	\$0.00	\$55.54
	12/01/2025	\$28.09	\$9.65	\$17.80	\$0.00	\$55.54
	06/01/2026	\$29.21	\$9.65	\$17.80	\$0.00	\$56.66
	12/01/2026	\$29.21	\$9.65	\$17.80	\$0.00	\$56.66
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

Apprentice - FLOORCOVERER - Local 2168 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 OPERATING ENGINEERS LOCAL 4	12/01/2024	\$57.03	\$15.55	\$16.50	\$0.00	\$89.08
	06/01/2025	\$58.33	\$15.55	\$16.50	\$0.00	\$90.38
	12/01/2025	\$59.78	\$15.55	\$16.50	\$0.00	\$91.83
	06/01/2026	\$61.08	\$15.55	\$16.50	\$0.00	\$93.13
	12/01/2026	\$62.53	\$15.55	\$16.50	\$0.00	\$94.58
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
GENERATOR/LIGHTING PLANT/HEATERS OPERATING ENGINEERS LOCAL 4	12/01/2024	\$36.67	\$15.55	\$16.50	\$0.00	\$68.72
	06/01/2025	\$37.52	\$15.55	\$16.50	\$0.00	\$69.57
	12/01/2025	\$38.47	\$15.55	\$16.50	\$0.00	\$70.52
	06/01/2026	\$39.33	\$15.55	\$16.50	\$0.00	\$71.38
	12/01/2026	\$40.28	\$15.55	\$16.50	\$0.00	\$72.33
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS) GLAZIERS LOCAL 35 (ZONE 2)	01/01/2025	\$47.96	\$9.95	\$23.95	\$0.00	\$81.86

Apprentice - GLAZIER - Local 35 Zone 2
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	12/01/2024	\$57.03	\$15.55	\$16.50	\$0.00	\$89.08
OPERATING ENGINEERS LOCAL 4	06/01/2025	\$58.33	\$15.55	\$16.50	\$0.00	\$90.38
	12/01/2025	\$59.78	\$15.55	\$16.50	\$0.00	\$91.83
	06/01/2026	\$61.08	\$15.55	\$16.50	\$0.00	\$93.13
	12/01/2026	\$62.53	\$15.55	\$16.50	\$0.00	\$94.58

Apprentice - OPERATING ENGINEERS - Local 4

Effective Date - 12/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$31.37	\$0.00	\$0.00	\$0.00	\$31.37
2	60	\$34.22	\$15.55	\$16.50	\$0.00	\$66.27
3	65	\$37.07	\$15.55	\$16.50	\$0.00	\$69.12
4	70	\$39.92	\$15.55	\$16.50	\$0.00	\$71.97
5	75	\$42.77	\$15.55	\$16.50	\$0.00	\$74.82
6	80	\$45.62	\$15.55	\$16.50	\$0.00	\$77.67
7	85	\$48.48	\$15.55	\$16.50	\$0.00	\$80.53
8	90	\$51.33	\$15.55	\$16.50	\$0.00	\$83.38

Effective Date - 06/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$32.08	\$0.00	\$0.00	\$0.00	\$32.08
2	60	\$35.00	\$15.55	\$16.50	\$0.00	\$67.05
3	65	\$37.91	\$15.55	\$16.50	\$0.00	\$69.96
4	70	\$40.83	\$15.55	\$16.50	\$0.00	\$72.88
5	75	\$43.75	\$15.55	\$16.50	\$0.00	\$75.80
6	80	\$46.66	\$15.55	\$16.50	\$0.00	\$78.71
7	85	\$49.58	\$15.55	\$16.50	\$0.00	\$81.63
8	90	\$52.50	\$15.55	\$16.50	\$0.00	\$84.55

Notes:

Apprentice to Journeyworker Ratio:1:6

HVAC (DUCTWORK)	08/01/2024	\$57.94	\$14.75	\$28.12	\$2.98	\$103.79
SHEETMETAL WORKERS LOCAL 17 - A	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)	09/01/2024	\$63.78	\$13.00	\$22.26	\$0.00	\$99.04
ELECTRICIANS LOCAL 103	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)	08/01/2024	\$57.94	\$14.75	\$28.12	\$2.98	\$103.79
SHEETMETAL WORKERS LOCAL 17 - A	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
For apprentice rates see "Apprentice- SHEET METAL WORKER"						
HVAC (TESTING AND BALANCING -WATER)	09/01/2024	\$67.08	\$12.70	\$21.80	\$0.00	\$101.58
PIPEFITTERS LOCAL 537 (Local 138)	03/01/2025	\$68.88	\$12.70	\$21.80	\$0.00	\$103.38
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HVAC MECHANIC	09/01/2024	\$67.08	\$12.70	\$21.80	\$0.00	\$101.58
PIPEFITTERS LOCAL 537 (Local 138)	03/01/2025	\$68.88	\$12.70	\$21.80	\$0.00	\$103.38
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HYDRAULIC DRILLS	12/01/2024	\$40.61	\$9.65	\$17.70	\$0.00	\$67.96
LABORERS - ZONE 2	06/01/2025	\$42.00	\$9.65	\$17.70	\$0.00	\$69.35
	12/01/2025	\$43.38	\$9.65	\$17.70	\$0.00	\$70.73
	06/01/2026	\$44.82	\$9.65	\$17.70	\$0.00	\$72.17
	12/01/2026	\$46.26	\$9.65	\$17.70	\$0.00	\$73.61
	06/01/2027	\$47.71	\$9.65	\$17.70	\$0.00	\$75.06
	12/01/2027	\$49.16	\$9.65	\$17.70	\$0.00	\$76.51
	06/01/2028	\$50.66	\$9.65	\$17.70	\$0.00	\$78.01
	12/01/2028	\$52.16	\$9.65	\$17.70	\$0.00	\$79.51
For apprentice rates see "Apprentice- LABORER"						
HYDRAULIC DRILLS (HEAVY & HIGHWAY)	12/01/2024	\$40.61	\$9.65	\$17.80	\$0.00	\$68.06
LABORERS - ZONE 2 (HEAVY & HIGHWAY)	06/01/2025	\$42.00	\$9.65	\$17.80	\$0.00	\$69.45
	12/01/2025	\$43.38	\$9.65	\$17.80	\$0.00	\$70.83
	06/01/2026	\$44.82	\$9.65	\$17.80	\$0.00	\$72.27
	12/01/2026	\$46.26	\$9.65	\$17.80	\$0.00	\$73.71
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
INSULATOR (PIPES & TANKS)	09/01/2024	\$56.92	\$14.75	\$19.61	\$0.00	\$91.28
HEAT & FROST INSULATORS LOCAL 6 (BOSTON)	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

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

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
IRONWORKER/WELDER <i>IRONWORKERS LOCAL 7 (BOSTON AREA)</i>	03/16/2024	\$53.97	\$8.35	\$26.70	\$0.00	\$89.02

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

JACKHAMMER & PAVING BREAKER OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2024	\$40.11	\$9.65	\$17.70	\$0.00	\$67.46
	06/01/2025	\$41.50	\$9.65	\$17.70	\$0.00	\$68.85
	12/01/2025	\$42.88	\$9.65	\$17.70	\$0.00	\$70.23
	06/01/2026	\$44.32	\$9.65	\$17.70	\$0.00	\$71.67
	12/01/2026	\$45.76	\$9.65	\$17.70	\$0.00	\$73.11
	06/01/2027	\$47.21	\$9.65	\$17.70	\$0.00	\$74.56
	12/01/2027	\$48.66	\$9.65	\$17.70	\$0.00	\$76.01
	06/01/2028	\$50.16	\$9.65	\$17.70	\$0.00	\$77.51
	12/01/2028	\$51.66	\$9.65	\$17.70	\$0.00	\$79.01

For apprentice rates see "Apprentice- LABORER"

LABORER <i>LABORERS - ZONE 2</i>	12/01/2024	\$39.86	\$9.65	\$17.70	\$0.00	\$67.21
	06/01/2025	\$41.25	\$9.65	\$17.70	\$0.00	\$68.60
	12/01/2025	\$42.63	\$9.65	\$17.70	\$0.00	\$69.98
	06/01/2026	\$44.07	\$9.65	\$17.70	\$0.00	\$71.42
	12/01/2026	\$45.51	\$9.65	\$17.70	\$0.00	\$72.86
	06/01/2027	\$46.96	\$9.65	\$17.70	\$0.00	\$74.31
	12/01/2027	\$48.41	\$9.65	\$17.70	\$0.00	\$75.76
	06/01/2028	\$49.91	\$9.65	\$17.70	\$0.00	\$77.26
	12/01/2028	\$51.41	\$9.65	\$17.70	\$0.00	\$78.76

Apprentice - LABORER - Zone 2

Effective Date - 12/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$23.92	\$9.65	\$17.70	\$0.00	\$51.27
2	70	\$27.90	\$9.65	\$17.70	\$0.00	\$55.25
3	80	\$31.89	\$9.65	\$17.70	\$0.00	\$59.24
4	90	\$35.87	\$9.65	\$17.70	\$0.00	\$63.22

Effective Date - 06/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$24.75	\$9.65	\$17.70	\$0.00	\$52.10
2	70	\$28.88	\$9.65	\$17.70	\$0.00	\$56.23
3	80	\$33.00	\$9.65	\$17.70	\$0.00	\$60.35
4	90	\$37.13	\$9.65	\$17.70	\$0.00	\$64.48

Notes:

Apprentice to Journeyworker Ratio:1:5

LABORER (HEAVY & HIGHWAY)	12/01/2024	\$39.86	\$9.65	\$17.80	\$0.00	\$67.31
LABORERS - ZONE 2 (HEAVY & HIGHWAY)	06/01/2025	\$41.25	\$9.65	\$17.80	\$0.00	\$68.70
	12/01/2025	\$42.63	\$9.65	\$17.80	\$0.00	\$70.08
	06/01/2026	\$44.07	\$9.65	\$17.80	\$0.00	\$71.52
	12/01/2026	\$45.51	\$9.65	\$17.80	\$0.00	\$72.96

Apprentice - LABORER (Heavy & Highway) - Zone 2

Effective Date - 12/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$23.92	\$9.65	\$17.80	\$0.00	\$51.37
2	70	\$27.90	\$9.65	\$17.80	\$0.00	\$55.35
3	80	\$31.89	\$9.65	\$17.80	\$0.00	\$59.34
4	90	\$35.87	\$9.65	\$17.80	\$0.00	\$63.32

Effective Date - 06/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$24.75	\$9.65	\$17.80	\$0.00	\$52.20
2	70	\$28.88	\$9.65	\$17.80	\$0.00	\$56.33
3	80	\$33.00	\$9.65	\$17.80	\$0.00	\$60.45
4	90	\$37.13	\$9.65	\$17.80	\$0.00	\$64.58

Notes:

Apprentice to Journeyworker Ratio:1:5

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
LABORER: CARPENTER TENDER <i>LABORERS - ZONE 2</i>	12/01/2024	\$39.86	\$9.65	\$17.70	\$0.00	\$67.21
	06/01/2025	\$41.25	\$9.65	\$17.70	\$0.00	\$68.60
	12/01/2025	\$42.63	\$9.65	\$17.70	\$0.00	\$69.98
	06/01/2026	\$44.07	\$9.65	\$17.70	\$0.00	\$71.42
	12/01/2026	\$45.51	\$9.65	\$17.70	\$0.00	\$72.86
	06/01/2027	\$46.96	\$9.65	\$17.70	\$0.00	\$74.31
	12/01/2027	\$48.41	\$9.65	\$17.70	\$0.00	\$75.76
	06/01/2028	\$49.91	\$9.65	\$17.70	\$0.00	\$77.26
	12/01/2028	\$51.41	\$9.65	\$17.70	\$0.00	\$78.76
For apprentice rates see "Apprentice- LABORER"						
LABORER: CEMENT FINISHER TENDER <i>LABORERS - ZONE 2</i>	12/01/2024	\$39.86	\$9.65	\$17.70	\$0.00	\$67.21
	06/01/2025	\$41.25	\$9.65	\$17.70	\$0.00	\$68.60
	12/01/2025	\$42.63	\$9.65	\$17.70	\$0.00	\$69.98
	06/01/2026	\$44.07	\$9.65	\$17.70	\$0.00	\$71.42
	12/01/2026	\$45.51	\$9.65	\$17.70	\$0.00	\$72.86
	06/01/2027	\$46.96	\$9.65	\$17.70	\$0.00	\$74.31
	12/01/2027	\$48.41	\$9.65	\$17.70	\$0.00	\$75.76
	06/01/2028	\$49.91	\$9.65	\$17.70	\$0.00	\$77.26
	12/01/2028	\$51.41	\$9.65	\$17.70	\$0.00	\$78.76
For apprentice rates see "Apprentice- LABORER"						
LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER <i>LABORERS - ZONE 2</i>	12/02/2024	\$39.95	\$9.65	\$17.76	\$0.00	\$67.36
	06/02/2025	\$41.34	\$9.65	\$17.76	\$0.00	\$68.75
	12/01/2025	\$42.72	\$9.65	\$17.76	\$0.00	\$70.13
	06/01/2026	\$44.16	\$9.65	\$17.76	\$0.00	\$71.57
	12/07/2026	\$45.60	\$9.65	\$17.76	\$0.00	\$73.01
	06/07/2027	\$47.05	\$9.65	\$17.76	\$0.00	\$74.46
	12/06/2027	\$48.50	\$9.65	\$17.76	\$0.00	\$75.91
	06/05/2028	\$50.00	\$9.65	\$17.76	\$0.00	\$77.41
	12/04/2028	\$51.50	\$9.65	\$17.76	\$0.00	\$78.91
For apprentice rates see "Apprentice- LABORER"						
LABORER: MASON TENDER <i>LABORERS - ZONE 2</i>	12/01/2024	\$40.11	\$9.65	\$17.70	\$0.00	\$67.46
	06/01/2025	\$41.50	\$9.65	\$17.70	\$0.00	\$68.85
	12/01/2025	\$42.88	\$9.65	\$17.70	\$0.00	\$70.23
	06/01/2026	\$44.32	\$9.65	\$17.70	\$0.00	\$71.67
	12/01/2026	\$45.76	\$9.65	\$17.70	\$0.00	\$73.11
	06/01/2027	\$47.21	\$9.65	\$17.70	\$0.00	\$74.56
	12/01/2027	\$48.66	\$9.65	\$17.70	\$0.00	\$76.01
	06/01/2028	\$50.16	\$9.65	\$17.70	\$0.00	\$77.51
	12/01/2028	\$51.66	\$9.65	\$17.70	\$0.00	\$79.01
For apprentice rates see "Apprentice- LABORER"						
LABORER: MASON TENDER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2024	\$40.11	\$9.65	\$17.80	\$0.00	\$67.56
	06/01/2025	\$41.50	\$9.65	\$17.80	\$0.00	\$68.95
	12/01/2025	\$42.88	\$9.65	\$17.80	\$0.00	\$70.33
	06/01/2026	\$44.32	\$9.65	\$17.80	\$0.00	\$71.77
	12/01/2026	\$45.76	\$9.65	\$17.80	\$0.00	\$73.21
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 2</i>	12/01/2024	\$39.86	\$9.65	\$17.70	\$0.00	\$67.21
	06/01/2025	\$41.25	\$9.65	\$17.70	\$0.00	\$68.60
	12/01/2025	\$42.63	\$9.65	\$17.70	\$0.00	\$69.98
	06/01/2026	\$44.07	\$9.65	\$17.70	\$0.00	\$71.42
	12/01/2026	\$45.51	\$9.65	\$17.70	\$0.00	\$72.86
	06/01/2027	\$46.96	\$9.65	\$17.70	\$0.00	\$74.31
	12/01/2027	\$48.41	\$9.65	\$17.70	\$0.00	\$75.76
	06/01/2028	\$49.91	\$9.65	\$17.70	\$0.00	\$77.26
	12/01/2028	\$51.41	\$9.65	\$17.70	\$0.00	\$78.76
For apprentice rates see "Apprentice- LABORER"						
LABORER: TREE REMOVER <i>LABORERS - ZONE 2</i>	12/01/2024	\$39.86	\$9.65	\$17.70	\$0.00	\$67.21
	06/01/2025	\$41.25	\$9.65	\$17.70	\$0.00	\$68.60
	12/01/2025	\$42.63	\$9.65	\$17.70	\$0.00	\$69.98
	06/01/2026	\$44.07	\$9.65	\$17.70	\$0.00	\$71.42
	12/01/2026	\$45.51	\$9.65	\$17.70	\$0.00	\$72.86
	06/01/2027	\$46.96	\$9.65	\$17.70	\$0.00	\$74.31
	12/01/2027	\$48.41	\$9.65	\$17.70	\$0.00	\$75.76
	06/01/2028	\$49.91	\$9.65	\$17.70	\$0.00	\$77.26
	12/01/2028	\$51.41	\$9.65	\$17.70	\$0.00	\$78.76
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 2</i>	12/01/2024	\$40.11	\$9.65	\$17.70	\$0.00	\$67.46
	06/01/2025	\$41.50	\$9.65	\$17.70	\$0.00	\$68.85
	12/01/2025	\$42.88	\$9.65	\$17.70	\$0.00	\$70.23
	06/01/2026	\$44.32	\$9.65	\$17.70	\$0.00	\$71.67
	12/01/2026	\$45.76	\$9.65	\$17.70	\$0.00	\$73.11
	06/01/2027	\$47.21	\$9.65	\$17.70	\$0.00	\$74.56
	12/01/2027	\$48.66	\$9.65	\$17.70	\$0.00	\$76.01
	06/01/2028	\$50.16	\$9.65	\$17.70	\$0.00	\$77.51
	12/01/2028	\$51.66	\$9.65	\$17.70	\$0.00	\$79.01
For apprentice rates see "Apprentice- LABORER"						
LASER BEAM OPERATOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2024	\$40.11	\$9.65	\$17.80	\$0.00	\$67.56
	06/01/2025	\$41.50	\$9.65	\$17.80	\$0.00	\$68.95
	12/01/2025	\$42.88	\$9.65	\$17.80	\$0.00	\$70.33
	06/01/2026	\$44.32	\$9.65	\$17.80	\$0.00	\$71.77
	12/01/2026	\$45.76	\$9.65	\$17.80	\$0.00	\$73.21
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

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

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

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)	12/01/2024	\$56.40	\$15.55	\$16.50	\$0.00	\$88.45
OPERATING ENGINEERS LOCAL 4	06/01/2025	\$57.68	\$15.55	\$16.50	\$0.00	\$89.73
	12/01/2025	\$59.12	\$15.55	\$16.50	\$0.00	\$91.17
	06/01/2026	\$60.40	\$15.55	\$16.50	\$0.00	\$92.45
	12/01/2026	\$61.84	\$15.55	\$16.50	\$0.00	\$93.89

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

MECHANICS MAINTENANCE	12/01/2024	\$56.40	\$15.55	\$16.50	\$0.00	\$88.45
OPERATING ENGINEERS LOCAL 4	06/01/2025	\$57.68	\$15.55	\$16.50	\$0.00	\$89.73
	12/01/2025	\$59.12	\$15.55	\$16.50	\$0.00	\$91.17
	06/01/2026	\$60.40	\$15.55	\$16.50	\$0.00	\$92.45
	12/01/2026	\$61.84	\$15.55	\$16.50	\$0.00	\$93.89

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

MILLWRIGHT (Zone 2)	01/06/2025	\$45.09	\$10.08	\$21.47	\$0.00	\$76.64
MILLWRIGHTS LOCAL 1121 - Zone 2	01/05/2026	\$47.42	\$10.08	\$21.47	\$0.00	\$78.97

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
Apprentice - MILLWRIGHT - Local 1121 Zone 2						
Effective Date - 01/06/2025						
Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$24.80	\$10.08	\$5.50	\$0.00	\$40.38
2	65	\$29.31	\$10.08	\$6.50	\$0.00	\$45.89
3	75	\$33.82	\$10.08	\$18.97	\$0.00	\$62.87
4	85	\$38.33	\$10.08	\$19.97	\$0.00	\$68.38
Effective Date - 01/05/2026						
Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$26.08	\$10.08	\$5.50	\$0.00	\$41.66
2	65	\$30.82	\$10.08	\$6.50	\$0.00	\$47.40
3	75	\$35.57	\$10.08	\$18.97	\$0.00	\$64.62
4	85	\$40.31	\$10.08	\$19.97	\$0.00	\$70.36
<div>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</div>						
Apprentice to Journeyworker Ratio:1:4						
MORTAR MIXER	12/01/2024	\$40.11	\$9.65	\$17.70	\$0.00	\$67.46
LABORERS - ZONE 2	06/01/2025	\$41.50	\$9.65	\$17.70	\$0.00	\$68.85
	12/01/2025	\$42.88	\$9.65	\$17.70	\$0.00	\$70.23
	06/01/2026	\$44.32	\$9.65	\$17.70	\$0.00	\$71.67
	12/01/2026	\$45.76	\$9.65	\$17.70	\$0.00	\$73.11
	06/01/2027	\$47.21	\$9.65	\$17.70	\$0.00	\$74.56
	12/01/2027	\$48.66	\$9.65	\$17.70	\$0.00	\$76.01
	06/01/2028	\$50.16	\$9.65	\$17.70	\$0.00	\$77.51
	12/01/2028	\$51.66	\$9.65	\$17.70	\$0.00	\$79.01
For apprentice rates see "Apprentice- LABORER"						
OILER (OTHER THAN TRUCK CRANES,GRADALLS)	12/01/2024	\$25.37	\$15.30	\$16.40	\$0.00	\$57.07
OPERATING ENGINEERS LOCAL 4	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)	12/01/2024	\$31.08	\$15.30	\$16.40	\$0.00	\$62.78
OPERATING ENGINEERS LOCAL 4	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"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
OTHER POWER DRIVEN EQUIPMENT - CLASS II <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2024	\$56.40	\$15.55	\$16.50	\$0.00	\$88.45
	06/01/2025	\$57.68	\$15.55	\$16.50	\$0.00	\$89.73
	12/01/2025	\$59.12	\$15.55	\$16.50	\$0.00	\$91.17
	06/01/2026	\$60.40	\$15.55	\$16.50	\$0.00	\$92.45
	12/01/2026	\$61.84	\$15.55	\$16.50	\$0.00	\$93.89
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PAINTER (BRIDGES/TANKS) <i>PAINTERS LOCAL 35 - ZONE 2</i>	01/01/2025	\$58.46	\$9.95	\$23.95	\$0.00	\$92.36

Apprentice - PAINTER Local 35 - BRIDGES/TANKS

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) *	01/01/2025	\$49.36	\$9.95	\$23.95	\$0.00	\$83.26
* 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>						

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

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

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
PAINTER (SPRAY OR SANDBLAST, REPAINT) <i>PAINTERS LOCAL 35 - ZONE 2</i>	01/01/2025	\$47.42	\$9.95	\$23.95	\$0.00	\$81.32

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

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

Apprentice - PAINTER - Local 35 Zone 2 - BRUSH NEW

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)	01/01/2025	\$46.02	\$9.95	\$23.95	\$0.00	\$79.92
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PAINTERS LOCAL 35 - ZONE 2

Apprentice - PAINTER Local 35 Zone 2 - BRUSH REPAINT

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)	12/01/2024	\$39.86	\$9.65	\$17.80	\$0.00	\$67.31
LABORERS - ZONE 2 (HEAVY & HIGHWAY)	06/01/2025	\$41.25	\$9.65	\$17.80	\$0.00	\$68.70
	12/01/2025	\$42.63	\$9.65	\$17.80	\$0.00	\$70.08
	06/01/2026	\$44.07	\$9.65	\$17.80	\$0.00	\$71.52
	12/01/2026	\$45.51	\$9.65	\$17.80	\$0.00	\$72.96

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

PANEL & PICKUP TRUCKS DRIVER	01/01/2025	\$39.78	\$15.57	\$20.17	\$0.00	\$75.52
TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	06/01/2025	\$40.78	\$15.57	\$20.17	\$0.00	\$76.52
	12/01/2025	\$40.78	\$15.57	\$21.78	\$0.00	\$78.13
	01/01/2026	\$40.78	\$16.17	\$21.78	\$0.00	\$78.73
	06/01/2026	\$41.78	\$16.17	\$21.78	\$0.00	\$79.73
	12/01/2026	\$41.78	\$16.17	\$23.52	\$0.00	\$81.47
	01/01/2027	\$41.78	\$16.77	\$23.52	\$0.00	\$82.07

PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK)	08/01/2024	\$55.79	\$10.08	\$24.29	\$0.00	\$90.16
PILE DRIVER LOCAL 56 (ZONE 1)						
For apprentice rates see "Apprentice- PILE DRIVER"						

PILE DRIVER	08/01/2024	\$55.79	\$10.08	\$24.29	\$0.00	\$90.16
PILE DRIVER LOCAL 56 (ZONE 1)						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
Apprentice - PILE DRIVER - Local 56 Zone 1						
Effective Date - 08/01/2024						
Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	45	\$25.11	\$10.08	\$2.53	\$0.00	\$37.72
2	55	\$30.68	\$10.08	\$5.07	\$0.00	\$45.83
3	70	\$39.05	\$10.08	\$19.22	\$0.00	\$68.35
4	80	\$44.63	\$10.08	\$21.76	\$0.00	\$76.47
Notes: % Indentured BEFORE 8/1/20; 50/60/70/75/80/80/90/90 Apprentice to Journeyworker Ratio: 1:5						
Step 1 \$62.37/ 2 \$67.84/ 3 \$73.42/ 4 \$76.21/ 5 & 6 \$79.00/ 7 & 8 \$84.58						
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PIPEFITTER & STEAMFITTER	09/01/2024	\$67.08	\$12.70	\$21.80	\$0.00	\$101.58
PIPEFITTERS LOCAL 537 (Local 138)	03/01/2025	\$68.88	\$12.70	\$21.80	\$0.00	\$103.38

Apprentice - PIPEFITTER Local 537 (Local 138)

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:**						

PIPELAYER LABORERS - ZONE 2	12/01/2024	\$40.11	\$9.65	\$17.70	\$0.00	\$67.46
	06/01/2025	\$41.50	\$9.65	\$17.70	\$0.00	\$68.85
	12/01/2025	\$42.88	\$9.65	\$17.70	\$0.00	\$70.23
	06/01/2026	\$44.32	\$9.65	\$17.70	\$0.00	\$71.67
	12/01/2026	\$45.76	\$9.65	\$17.70	\$0.00	\$73.11
	06/01/2027	\$47.21	\$9.65	\$17.70	\$0.00	\$74.56
	12/01/2027	\$48.66	\$9.65	\$17.70	\$0.00	\$76.01
	06/01/2028	\$50.16	\$9.65	\$17.70	\$0.00	\$77.51
	12/01/2028	\$51.66	\$9.65	\$17.70	\$0.00	\$79.01

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- LABORER"						
PIPELAYER (HEAVY & HIGHWAY)	12/01/2024	\$40.11	\$9.65	\$17.80	\$0.00	\$67.56
LABORERS - ZONE 2 (HEAVY & HIGHWAY)	06/01/2025	\$41.50	\$9.65	\$17.80	\$0.00	\$68.95
	12/01/2025	\$42.88	\$9.65	\$17.80	\$0.00	\$70.33
	06/01/2026	\$44.32	\$9.65	\$17.80	\$0.00	\$71.77
	12/01/2026	\$45.76	\$9.65	\$17.80	\$0.00	\$73.21
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)						
PLUMBER	09/01/2024	\$69.04	\$14.32	\$19.61	\$0.00	\$102.97
PLUMBERS & GASFITTERS LOCAL 12 (Local 138)	03/02/2025	\$70.84	\$14.32	\$19.61	\$0.00	\$104.77

Apprentice - PLUMBER/GASFITTER - Local 12 (Local 138)

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
Steps are 1 yr
Step 4 with lic\$69.00, Step5 with lic\$76.87

Apprentice to Journeyworker Ratio:**

PNEUMATIC CONTROLS (TEMP.)	09/01/2024	\$67.08	\$12.70	\$21.80	\$0.00	\$101.58
PIPEFITTERS LOCAL 537 (Local 138)	03/01/2025	\$68.88	\$12.70	\$21.80	\$0.00	\$103.38
	For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"					
PNEUMATIC DRILL/TOOL OPERATOR	12/01/2024	\$40.61	\$9.65	\$17.70	\$0.00	\$67.96
LABORERS - ZONE 2	06/01/2025	\$42.00	\$9.65	\$17.70	\$0.00	\$69.35
	12/01/2025	\$43.38	\$9.65	\$17.70	\$0.00	\$70.73
	06/01/2026	\$44.82	\$9.65	\$17.70	\$0.00	\$72.17
	12/01/2026	\$46.26	\$9.65	\$17.70	\$0.00	\$73.61
	06/01/2027	\$47.71	\$9.65	\$17.70	\$0.00	\$75.06
	12/01/2027	\$49.16	\$9.65	\$17.70	\$0.00	\$76.51
	06/01/2028	\$50.66	\$9.65	\$17.70	\$0.00	\$78.01
	12/01/2028	\$52.16	\$9.65	\$17.70	\$0.00	\$79.51
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
PNEUMATIC DRILL/TOOL OPERATOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2024	\$40.11	\$9.65	\$17.80	\$0.00	\$67.56
	06/01/2025	\$41.50	\$9.65	\$17.80	\$0.00	\$68.95
	12/01/2025	\$42.88	\$9.65	\$17.80	\$0.00	\$70.33
	06/01/2026	\$44.32	\$9.65	\$17.80	\$0.00	\$71.77
	12/01/2026	\$45.76	\$9.65	\$17.80	\$0.00	\$73.21
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)						
POWDERMAN & BLASTER <i>LABORERS - ZONE 2</i>	12/01/2024	\$40.86	\$9.65	\$17.70	\$0.00	\$68.21
	06/01/2025	\$42.25	\$9.65	\$17.70	\$0.00	\$69.60
	12/01/2025	\$43.63	\$9.65	\$17.70	\$0.00	\$70.98
	06/01/2026	\$45.07	\$9.65	\$17.70	\$0.00	\$72.42
	12/01/2026	\$46.51	\$9.65	\$17.70	\$0.00	\$73.86
	06/01/2027	\$47.96	\$9.65	\$17.70	\$0.00	\$75.31
	12/01/2027	\$49.41	\$9.65	\$17.70	\$0.00	\$76.76
	06/01/2028	\$50.91	\$9.65	\$17.70	\$0.00	\$78.26
For apprentice rates see "Apprentice- LABORER"						
POWDERMAN & BLASTER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2024	\$40.86	\$9.40	\$17.55	\$0.00	\$67.81
	06/01/2025	\$42.25	\$9.40	\$17.55	\$0.00	\$69.20
	12/01/2025	\$43.63	\$9.40	\$17.55	\$0.00	\$70.58
	06/01/2026	\$45.07	\$9.40	\$17.55	\$0.00	\$72.02
	12/01/2026	\$46.51	\$9.40	\$17.55	\$0.00	\$73.46
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)						
POWER SHOVEL/DERRICK/TRENCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2024	\$57.03	\$15.55	\$16.50	\$0.00	\$89.08
	06/01/2025	\$58.33	\$15.55	\$16.50	\$0.00	\$90.38
	12/01/2025	\$59.78	\$15.55	\$16.50	\$0.00	\$91.83
	06/01/2026	\$61.08	\$15.55	\$16.50	\$0.00	\$93.13
	12/01/2026	\$62.53	\$15.55	\$16.50	\$0.00	\$94.58
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (CONCRETE) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2024	\$56.40	\$15.55	\$16.50	\$0.00	\$88.45
	06/01/2025	\$57.68	\$15.55	\$16.50	\$0.00	\$89.73
	12/01/2025	\$59.12	\$15.55	\$16.50	\$0.00	\$91.17
	06/01/2026	\$60.40	\$15.55	\$16.50	\$0.00	\$92.45
	12/01/2026	\$61.84	\$15.55	\$16.50	\$0.00	\$93.89
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (DEWATERING, OTHER) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2024	\$36.67	\$15.55	\$16.50	\$0.00	\$68.72
	06/01/2025	\$37.52	\$15.55	\$16.50	\$0.00	\$69.57
	12/01/2025	\$38.47	\$15.55	\$16.50	\$0.00	\$70.52
	06/01/2026	\$39.33	\$15.55	\$16.50	\$0.00	\$71.38
	12/01/2026	\$40.28	\$15.55	\$16.50	\$0.00	\$72.33
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
READY-MIX CONCRETE DRIVER <i>TEAMSTERS 42 - J.G. MacLeallan (Wakefield)</i>	05/01/2024	\$29.50	\$12.00	\$7.00	\$0.00	\$48.50
	05/01/2025	\$30.00	\$12.00	\$7.00	\$0.00	\$49.00
	05/01/2026	\$30.50	\$12.00	\$7.00	\$0.00	\$49.50

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
RECLAIMERS	12/01/2024	\$56.40	\$15.55	\$16.50	\$0.00	\$88.45
OPERATING ENGINEERS LOCAL 4	06/01/2025	\$57.68	\$15.55	\$16.50	\$0.00	\$89.73
	12/01/2025	\$59.12	\$15.55	\$16.50	\$0.00	\$91.17
	06/01/2026	\$60.40	\$15.55	\$16.50	\$0.00	\$92.45
	12/01/2026	\$61.84	\$15.55	\$16.50	\$0.00	\$93.89
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
RIDE-ON MOTORIZED BUGGY OPERATOR	12/01/2024	\$40.11	\$9.65	\$17.70	\$0.00	\$67.46
LABORERS - ZONE 2	06/01/2025	\$41.50	\$9.65	\$17.70	\$0.00	\$68.85
	12/01/2025	\$42.88	\$9.65	\$17.70	\$0.00	\$70.23
	06/01/2026	\$44.32	\$9.65	\$17.70	\$0.00	\$71.67
	12/01/2026	\$45.76	\$9.65	\$17.70	\$0.00	\$73.11
	06/01/2027	\$47.21	\$9.65	\$17.70	\$0.00	\$74.56
	12/01/2027	\$48.66	\$9.65	\$17.70	\$0.00	\$76.01
	06/01/2028	\$50.16	\$9.65	\$17.70	\$0.00	\$77.51
	12/01/2028	\$51.66	\$9.65	\$17.70	\$0.00	\$79.01
For apprentice rates see "Apprentice- LABORER"						
ROLLER/SPREADER/MULCHING MACHINE	12/01/2024	\$56.40	\$15.55	\$16.50	\$0.00	\$88.45
OPERATING ENGINEERS LOCAL 4	06/01/2025	\$57.68	\$15.55	\$16.50	\$0.00	\$89.73
	12/01/2025	\$59.12	\$15.55	\$16.50	\$0.00	\$91.17
	06/01/2026	\$60.40	\$15.55	\$16.50	\$0.00	\$92.45
	12/01/2026	\$61.84	\$15.55	\$16.50	\$0.00	\$93.89
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
ROOFER (Inc.Roofers Waterproofing &Roofers Damproofing)	08/01/2024	\$51.03	\$13.03	\$21.70	\$0.00	\$85.76
ROOFERS LOCAL 33	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

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
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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	08/01/2024	\$51.28	\$13.03	\$21.70	\$0.00	\$86.01
ROOFERS LOCAL 33	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	08/01/2024	\$57.94	\$14.75	\$28.12	\$2.98	\$103.79
SHEETMETAL WORKERS LOCAL 17 - A	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

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	01/01/2025	\$40.24	\$15.57	\$20.17	\$0.00	\$75.98
TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	06/01/2025	\$41.24	\$15.57	\$20.17	\$0.00	\$76.98
	12/01/2025	\$41.24	\$15.57	\$21.78	\$0.00	\$78.59
	01/01/2026	\$41.24	\$16.17	\$21.78	\$0.00	\$79.19
	06/01/2026	\$42.24	\$16.17	\$21.78	\$0.00	\$80.19
	12/01/2026	\$42.24	\$16.17	\$23.52	\$0.00	\$81.93
	01/01/2027	\$42.24	\$16.77	\$23.52	\$0.00	\$82.53

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
SPECIALIZED EARTH MOVING EQUIP > 35 TONS <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	01/01/2025	\$40.53	\$15.57	\$20.17	\$0.00	\$76.27
	06/01/2025	\$41.53	\$15.57	\$20.17	\$0.00	\$77.27
	12/01/2025	\$41.53	\$15.57	\$21.78	\$0.00	\$78.88
	01/01/2026	\$41.53	\$16.17	\$21.78	\$0.00	\$79.48
	06/01/2026	\$42.53	\$16.17	\$21.78	\$0.00	\$80.48
	12/01/2026	\$42.53	\$16.17	\$23.52	\$0.00	\$82.22
	01/01/2027	\$42.53	\$16.77	\$23.52	\$0.00	\$82.82
SPRINKLER FITTER <i>SPRINKLER FITTERS LOCAL 550 - (Section B) Zone 2</i>	10/01/2024	\$63.31	\$11.51	\$23.80	\$0.00	\$98.62
	03/01/2025	\$64.93	\$11.51	\$23.80	\$0.00	\$100.24

Apprentice - SPRINKLER FITTER - Local 550 (Section B) Zone 2

Effective Date - 10/01/2024

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$22.16	\$11.51	\$13.07	\$0.00	\$46.74
2	40	\$25.32	\$11.51	\$13.90	\$0.00	\$50.73
3	45	\$28.49	\$11.51	\$14.72	\$0.00	\$54.72
4	50	\$31.66	\$11.51	\$15.55	\$0.00	\$58.72
5	55	\$34.82	\$11.51	\$16.38	\$0.00	\$62.71
6	60	\$37.99	\$11.51	\$17.20	\$0.00	\$66.70
7	65	\$41.15	\$11.51	\$18.03	\$0.00	\$70.69
8	70	\$44.32	\$11.51	\$18.85	\$0.00	\$74.68
9	75	\$47.48	\$11.51	\$19.68	\$0.00	\$78.67
10	80	\$50.65	\$11.51	\$20.50	\$0.00	\$82.66

Effective Date - 03/01/2025

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$22.73	\$11.51	\$13.07	\$0.00	\$47.31
2	40	\$25.97	\$11.51	\$13.90	\$0.00	\$51.38
3	45	\$29.22	\$11.51	\$14.72	\$0.00	\$55.45
4	50	\$32.47	\$11.51	\$15.55	\$0.00	\$59.53
5	55	\$35.71	\$11.51	\$16.38	\$0.00	\$63.60
6	60	\$38.96	\$11.51	\$17.20	\$0.00	\$67.67
7	65	\$42.20	\$11.51	\$18.03	\$0.00	\$71.74
8	70	\$45.45	\$11.51	\$18.85	\$0.00	\$75.81
9	75	\$48.70	\$11.51	\$19.68	\$0.00	\$79.89
10	80	\$51.94	\$11.51	\$20.50	\$0.00	\$83.95

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>	12/01/2024	\$56.40	\$15.55	\$16.50	\$0.00	\$88.45
	06/01/2025	\$57.68	\$15.55	\$16.50	\$0.00	\$89.73
	12/01/2025	\$59.12	\$15.55	\$16.50	\$0.00	\$91.17
	06/01/2026	\$60.40	\$15.55	\$16.50	\$0.00	\$92.45
	12/01/2026	\$61.84	\$15.55	\$16.50	\$0.00	\$93.89
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
TAMPERS, SELF-PROPELLED OR TRACTOR DRAWN <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2024	\$56.40	\$15.55	\$16.50	\$0.00	\$88.45
	06/01/2025	\$57.68	\$15.55	\$16.50	\$0.00	\$89.73
	12/01/2025	\$59.12	\$15.55	\$16.50	\$0.00	\$91.17
	06/01/2026	\$60.40	\$15.55	\$16.50	\$0.00	\$92.45
	12/01/2026	\$61.84	\$15.55	\$16.50	\$0.00	\$93.89
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

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

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	12/01/2024	\$51.28	\$9.65	\$18.22	\$0.00	\$79.15
LABORERS - FOUNDATION AND MARINE	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	12/01/2024	\$47.07	\$9.65	\$18.22	\$0.00	\$74.94
LABORERS - FOUNDATION AND MARINE	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	12/01/2024	\$46.95	\$9.65	\$18.22	\$0.00	\$74.82
LABORERS - FOUNDATION AND MARINE	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"						
TRACTORS/PORTABLE STEAM GENERATORS	12/01/2024	\$56.40	\$15.55	\$16.50	\$0.00	\$88.45
OPERATING ENGINEERS LOCAL 4	06/01/2025	\$57.68	\$15.55	\$16.50	\$0.00	\$89.73
	12/01/2025	\$59.12	\$15.55	\$16.50	\$0.00	\$91.17
	06/01/2026	\$60.40	\$15.55	\$16.50	\$0.00	\$92.45
	12/01/2026	\$61.84	\$15.55	\$16.50	\$0.00	\$93.89
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TRAILERS FOR EARTH MOVING EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	01/01/2025	\$40.82	\$15.57	\$20.17	\$0.00	\$76.56
	06/01/2025	\$41.82	\$15.57	\$20.17	\$0.00	\$77.56
	12/01/2025	\$41.82	\$15.57	\$21.78	\$0.00	\$79.17
	01/01/2026	\$41.82	\$16.17	\$21.78	\$0.00	\$79.77
	06/01/2026	\$42.82	\$16.17	\$21.78	\$0.00	\$80.77
	12/01/2026	\$42.82	\$16.17	\$23.52	\$0.00	\$82.51
	01/01/2027	\$42.82	\$16.77	\$23.52	\$0.00	\$83.11
TUNNEL WORK - COMPRESSED AIR <i>LABORERS (COMPRESSED AIR)</i>	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>	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>	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>	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"						
VAC-HAUL <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	01/01/2025	\$40.24	\$15.57	\$20.17	\$0.00	\$75.98
	06/01/2025	\$41.24	\$15.57	\$20.17	\$0.00	\$76.98
	12/01/2025	\$41.24	\$15.57	\$21.78	\$0.00	\$78.59
	01/01/2026	\$41.24	\$16.17	\$21.78	\$0.00	\$79.19
	06/01/2026	\$42.24	\$16.17	\$21.78	\$0.00	\$80.19
	12/01/2026	\$42.24	\$16.17	\$23.52	\$0.00	\$81.93
	01/01/2027	\$42.24	\$16.77	\$23.52	\$0.00	\$82.53

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
WAGON DRILL OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2024	\$40.61	\$9.65	\$17.70	\$0.00	\$67.96
	06/01/2025	\$42.00	\$9.65	\$17.70	\$0.00	\$69.35
	12/01/2025	\$43.38	\$9.65	\$17.70	\$0.00	\$70.73
	06/01/2026	\$44.82	\$9.65	\$17.70	\$0.00	\$72.17
	12/01/2026	\$46.26	\$9.65	\$17.70	\$0.00	\$73.61
	06/01/2027	\$47.71	\$9.65	\$17.70	\$0.00	\$75.06
	12/01/2027	\$49.16	\$9.65	\$17.70	\$0.00	\$76.51
	06/01/2028	\$50.66	\$9.65	\$17.70	\$0.00	\$78.01
	12/01/2028	\$52.16	\$9.65	\$17.70	\$0.00	\$79.51
For apprentice rates see "Apprentice- LABORER"						
WAGON DRILL OPERATOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2024	\$40.11	\$9.65	\$17.80	\$0.00	\$67.56
	06/01/2025	\$41.50	\$9.65	\$17.80	\$0.00	\$68.95
	12/01/2025	\$42.88	\$9.65	\$17.80	\$0.00	\$70.33
	06/01/2026	\$44.32	\$9.65	\$17.80	\$0.00	\$71.77
	12/01/2026	\$45.76	\$9.65	\$17.80	\$0.00	\$73.21
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
WASTE WATER PUMP OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2024	\$57.03	\$15.55	\$16.50	\$0.00	\$89.08
	06/01/2025	\$58.33	\$15.55	\$16.50	\$0.00	\$90.38
	12/01/2025	\$59.78	\$15.55	\$16.50	\$0.00	\$91.83
	06/01/2026	\$61.08	\$15.55	\$16.50	\$0.00	\$93.13
	12/01/2026	\$62.53	\$15.55	\$16.50	\$0.00	\$94.58
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
WATER METER INSTALLER <i>PLUMBERS & GASFITTERS LOCAL 12 (Local 138)</i>	09/01/2024	\$69.04	\$14.07	\$18.36	\$0.00	\$101.47
	03/02/2025	\$70.84	\$14.32	\$18.61	\$0.00	\$103.77
For apprentice rates see "Apprentice- PLUMBER/PIPEFITTER" or "PLUMBER/GASFITTER"						

Additional Apprentice Information:

All apprentices must be registered with the Division of Apprenticeship Training (DAS) in accordance with M.G.L. c. 23, §§ 11E-11L. Minimum wage rates for apprentices employed on public works projects are listed above as a percentage of the hourly prevailing wage rate established by the Commissioner under the provisions of M.G.L. c. 149, §§ 26-27D. Apprentice ratios are established by DAS pursuant to M.G.L. c. 23, §§ 11E-11L. Ratios are expressed as the allowable number of apprentices to journeymen or fraction thereof, unless otherwise specified. The ratios listed herein have been taken from relevant private collective bargaining agreements (CBAs) and are provided for illustrative purposes only. They have not been independently verified as being accurate or continuing to be accurate. Parties having questions regarding what ratio to use should contact DAS.