

Addendum No. 1 to IFB #25-73



CITY OF SOMERVILLE, MASSACHUSETTS
Department of Procurement and Contracting Services
KATJANA BALLANTYNE
MAYOR

To: All Parties on Record with the City of Somerville as Holding IFB #25-73
East Somerville Water Main Upgrades

From: Jordan T. Remy

Date: 6/16/2025

Re: Questions & Answers, Modifications, Pre-bid Meeting Notes, and Prevailing Wage Rates

Addendum No. 1 to IFB #25-73

Please acknowledge receipt of this Addendum by signing below and including this form in your proposal package. Failure to do so may subject the proposer to disqualification.

NAME OF COMPANY / INDIVIDUAL: _____

ADDRESS: _____

CITY/STATE/ZIP: _____

TELEPHONE/FAX/EMAIL: _____

SIGNATURE OF AUTHORIZED INDIVIDUAL: _____

ACKNOWLEDGEMENT OF ADDENDA:

Addendum #1 _____ **#2** _____ **#3** _____ **#4** _____

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Question 1: Regarding Item 33 1422.1 Cured in Place Pipe – 16-

1. Within the project specifications, paragraph 4, Compensation there is no mention of temporary water service. Can you please clarify if we will need to install temporary water main and services to shut down the 16-inch main for CIPP installation?

Answer: Temporary bypass systems are required for all pipelines which are disturbed or taken out of service as specified in Section 33 1421. Payment shall be made under Item 33 1421.1.

2. In addition, 95% payment is to be made after installation of the CIPP liner and 5% upon completion of testing. Would the owner consider breaking out insertion/extraction pits and pipeline cleaning as separate items so we can invoice for work as progress is made?

Answer: Payment for the CIPP liner shall be made under the single item as specified.

Question 2: VeriCure is a requirement for a cure system that relies on a heat exchange system that is less uniform compared to a convection method (hot water cure) or resins that are not ambient cure. Therefore, can temperature monitoring and logging be followed in accordance with the manufacturer's recommended practice with similar equivalent desirable results?

Answer: The CIPP lining shall be subject to the requirement for continuous temperature monitoring of steam and hot water cured liners stated in Section 33 1422 Paragraph 3.06 O.

Question 3: The Brief Project Description is section 2.2 notes "rehabilitating the water main along McGrath Highway from Broadway to Mystic Ave. including 1,800LF of 16" cured-in-place pipe." However, the Itemized Bid List (item# 33 1422.1) notes 1,210LF of 16" cured in place pipe. Can you please clarify the length of 16" cured in place pipe for this project?

Answer: Approximately 1,210 LF of 16" CIPP is included in the project as indicated on the Itemized Bid List. Refer to Sheets C-1 through C-3 for specific CIPP limits.

Question 4: To ensure services can be added to the water main after lining is completed without having to shut the main down, will you require the CIPP liner can be hot-tapped post installation using standard saddle tap and require a tapping procedure manual be included in the bid submission?

Answer: The intent is for the Contractor to provide a temporary bypass system as specified in

Addendum No. 1 to IFB #25-73

Section 33 1421.1 to shut down the 16" water main during CIPP lining. There are no requirements for future tapping after existing services are reinstated in this project.

Question 5: If a cured-in-place pipe liner requires an end seal to ensure watertight termination points, how can you validate a watertight seal at existing services as well as future services added by hot tapping the liner? Who is responsible for the cost of repairing a leak at the service?

Answer: The Contractor shall be responsible for addressing leaks of the CIPP liner system and existing services from the liner to the curb stop.

Question 6: With the idea of being as trenchless as possible, is there a qualification required for a minimum successful internal water service reinstatement achieved in previous years by the Contractor? (i.e. a minimum of 1000 services attempted in the last year with a minimum 95% success rate in reinstatement).

Inexperience or inability to reinstate water services internally would not meet the scope of the trenchless project. As a follow up to that, will the city include a charge per service requiring external reinstatement beyond the 95%?

Answer: There are no such requirements in the Contract.

Question 7: As some commercially available liners have been able to show positive results in the ASTM D790 tests, yet not withstand the deflection of the liner resulting in CIPP Failure, would the City consider testing requirements to include data that substantiates the watermain liner's capability to undergo the required potential post lining deflections at existing host pipe joints or at potential host pipe failure locations without failure or leaking in the liner?

Industry standard is that the manufacturer provides a report from a third-party accredited lab or research facility that would attest to the fully adhered/bonded CIPP lined watermain being able to withstand deflection up to 5-degrees?

Answer: There are no such requirements in the Contract.

Question 8: As achieving a tight fit is essential and the interior diameter of the watermain is known to fluctuate throughout its length, will the city be requiring that the Contractor perform a thorough measurement of the entire length of the watermain using a suitable device prior to lining?

This will ensure a watertight liner throughout the entire length of watermain.

Answer: Section 33 1422 Paragraph 1.2.C.2 requires measuring the interior of the water main pipe, and Paragraph 1.03.B.7 requires the CIPP submittal to include a description of procedures

Addendum No. 1 to IFB #25-73

and equipment to be used for these field measurements. It is the responsibility of the Contractor to provide a watertight liner adhering to the specifications.

Question 9: AWWA C600 pressure testing is for installation of new ductile iron watermain which is not the scope of this project. Therefore, will the city enlist pressure testing as per ASTM F1216, which is for CIPP rehab project?

Answer: The CIPP system shall be pressure tested in accordance with ASTM F1216, except that the system shall be pressure tested at 150 psi or 1.5 times the operating pressure, whichever is greater.

Question 10: Will CIPP lining manufacturer's recommended pipe connection procedure be adhered to ensure compliance to watertightness?

Answer: Contractor shall be responsible for making watertight connections as part of this scope. Future connections are anticipated to be made in accordance with liner manufacturer's guidance. Note that the contractor is not responsible for leaks arising from connections made by others after the completion of this project.

Question 11: The specification for the 16" water main lining - soil modulus states 100psi. We request that the soil modulus should be 1,000psi.

Answer: The soil modulus should be 1,000 psi, not 100 psi.

Question 12: Can the owner please provide exact depths of the 16" water main that is being lined?

Answer: The exact depths of the 16" water main to be lined are unknown but are presumed to be 4.5 feet. The Contractor shall verify the depths in the field.

Attachments:

1. IFB Section 2.2 revisions
2. Section 01 1000 Summary of Work revisions
3. Section 33 1422 Cured-in-Place Pipelining – Potable Water Mains revisions
4. Attendees and Agenda for Pre-Bid Meeting
5. Prevailing Wage Documents

IFB # 25-73
SECTION 2.0
RULE FOR AWARD /
PROJECT INFORMATION

2.1 Rule For Award

The contract shall be awarded to the responsible and eligible Bidder submitting the lowest total price. The contract will be awarded within ninety (90) days after the bid opening. The time for award may be extended for up to 45 additional days by mutual agreement between the City and the apparent lowest responsive and responsible bidder.

2.2 Background

Project Information	
Managing City Department:	IAM - Engineering
Project Manager:	Scott Bard
Project Manager Email:	sbard@somervillema.gov
Designer:	Kleinfelder Northeast, Inc.
Designer Contact:	Jen Nechamen
Project Address:	Various locations in East Somerville, MA
Estimated Project Cost:	Base Bid: \$8,850,000 Alternate 1: \$750,000 Alternate 2: \$615,000
Brief Project Description:	<p>The Base Bid includes 7,400 linear feet of replacement of 6" water main with 8" water main. 5,600 linear feet will be replaced within a new pipe alignment along Kensington Ave, Blakeley Ave, Minnesota Ave, Connecticut Ave, Wisconsin Ave, Rhode Island Ave, Vermont Ave, New Hampshire Ave, Indiana Ave, Maine Ave, Austin St, McArthur St, and Everett Ave. 2,400 linear feet will be replaced within the existing alignment and will require temporary bypass on Illinois Ave, Maine Terrace, Cutter St, and Brook St. The work will also include the abandonment of 12" water main along Mystic Ave from Connecticut Ave to Maine Ave. The work includes rehabilitating the water main along McGrath Highway from Broadway to Mystic Ave, including 1,800 1,210 linear feet of 16" cured-in-place pipe</p> <p>Alternate A includes 1,200 linear feet of replacement of 6" water main with 8" water main within a new pipe alignment along Hathorn St and Arlington St.</p> <p>Alternate B includes 700 linear feet of replacement of 4" and 6" water main with 8" water main within a new pipe alignment along Ellsworth St, Pearl St Pl, and Flint Ave.</p>

SECTION 01 1000 - SUMMARY OF WORK

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 specification sections, apply to this section.

1.02 LOCATION OF WORK

- A. The work in this Contract is located in the City of Somerville on streets immediately east of and including McGrath Highway near Broadway. The Base Bid includes 7,400 linear feet of replacement of 6" water main with 8" water main. 5,600 linear feet will be replaced within a new pipe alignment along Kensington Ave, Blakeley Ave, Minnesota Ave, Connecticut Ave, Wisconsin Ave, Rhode Island Ave, Vermont Ave, New Hampshire Ave, Indiana Ave, Maine Ave, Austin St, McArthur St, and Everett Ave. 2,400 linear feet will be replaced within the existing alignment and will require temporary bypass on Illinois Ave, Maine Terrace, Cutter St, and Brook St. The work will also include the abandonment of 12" water main along Mystic Ave from Connecticut Ave to Maine Ave. The work includes rehabilitating the water main along McGrath Highway from Broadway to Mystic Ave, including ~~1,800~~ 1,210 linear feet of 16" cured-in-place pipe.
- B. Alternate A includes 1,200 linear feet of replacement of 6" water main with 8" water main within a new pipe alignment along Hathorn St and Arlington St.
- C. Alternate B includes 700 linear feet of replacement of 4" and 6" water main within a new pipe alignment along Ellsworth St, Pearl St Pl, and Flint Ave.
- D. All work within this project also includes water service replacements with extents depending on service material and size, and the installation of new hydrants, valves, fittings, and the installation of associated appurtenances as shown in the Contract Drawings.

1.03 SCOPE OF WORK

- A. Furnish all labor, materials, equipment, and incidentals to clean and line or remove and replace the existing water main and appurtenances complete and ready for operation as indicated on the Drawings and specified herein.
- B. A general description of the Work to be performed under this Contract shall include, but will not be limited to the following construction operations:
 - 1. Furnish and install project signs, traffic cones, road closure barriers and other miscellaneous traffic control devices as required.
 - 2. Prepare notifications in cooperation with the City of Somerville Communication Department.
 - 3. Prepare a Health and Safety Plan.
 - 4. Furnish, install, and maintain all required sedimentation barriers and other items required to comply with the requirements specified hereinafter by the engineer.
 - 5. Furnish, install, and maintain tree protection.
 - 6. Furnish, install, and maintain installation of structure, ground, and utility monitoring points.
 - 7. Furnish and install by-pass piping. Coordinate with local water department and fire department for use of by-pass system with hydrants and installation of approved pressure reducing valves. The Contractor can operate City-owned valves for bypass and cleaning and lining work, under the supervision/direction of the City of Somerville's Water Department.
 - 8. Grading, excavating, filling, backfilling, and compacting for pipe laying and for resurfacing.
 - 9. Clean pipes to be lined as shown in the Contract Drawings.
 - 10. Furnish and install all water pipes, fittings, hydrants, valves, services, and connections to existing mains, including necessary appurtenances and service fittings. Replace or remove existing valves and associated appurtenances as shown in the Contract Drawings.

11. Furnish and install 8" water main along Kensington Ave, Blakeley Ave, Minnesota Ave, Connecticut Ave, Wisconsin Ave, Rhode Island Ave, Vermont Ave, New Hampshire Ave, Indiana Ave, Maine Ave, Austin St, Hathorn St, Arlington St, Ellsworth St, Everett Ave, McArthur St, Pearl St Pl, and Flint Ave within a new pipe corridor as shown in the Contract Drawings. Maintain existing water service on these streets except for temporary coordinated shutdowns required to make connections to existing water mains.
 12. Furnish and install 8" water main along the existing pipe corridor with temporary bypass at Illinois Ave, Maine Terrace, Cutter St, and Brook St.
 13. Abandon 12" water main along Mystic Ave from Connecticut Ave to Maine Ave.
 14. Furnish and install 16" cured-in-place pipe liner along McGrath Highway from Broadway to Mystic Ave.
 15. Provide temporary trench restoration and permanent pavement consisting of mill and overlay within the lane of travel for all streets included in the scope of work, as shown in the Contract Drawings.
 16. Demolition of existing structures and pipes as required.
 17. Disposal of excess geotechnically unsuitable excavated material.
 18. Reuse of geotechnically suitable excavated material on site as backfill and dispose of excess material from excavation not required for fill or backfill as specified, and to the satisfaction of the Owner.
 19. Perform testing and disinfection of water main and correct all failures, leaks and/or breaks.
 20. Reconnection of existing services which connect the Work of this Contract as required, and replacement of select services to either the curb stop or meter, depending on size and material, as indicated in the Contract Documents.
 21. Perform required roadway paving operations and repaint pavement markers as necessary.
 22. Restore all signs, pavement markings, fences, walls, drives, curb lines, concrete sidewalks, berms, lawns, shrubbery, roadway medians and landscaping disturbed during water main improvement/installation work.
- C. The work shall conform to such additional drawings, specifications and addenda to these Specifications and Drawings as may be published or exhibited prior to the opening of Bid Proposals or as may be furnished by the Engineer from time to time during the construction.
- D. Work and materials which are necessary for construction, but which are not specifically referred to in the Specification, or shown on the Drawings, but implied by the Contract shall be furnished by the Contractor and included in the Contractor's Unit and Lump Sum Prices Bid. The work and materials shall be such as will correspond with the general character of the work as may be determined by the Engineer, whose decisions as to the necessity for and character of such work and materials shall be final and conclusive. It is the intent of these specifications to produce a complete, finished job whether shown in every detail or not.
- E. For the purposes of this Contract, anywhere the term "Temporary" is used in the Specifications, in the Plans, in Contract Addenda, in any revisions made to the Contract Documents at any time prior to or during construction, verbally, in writing, in change orders or work change directives or at any other time whether listed here or not, it shall be taken to mean "Temporary" only as it relates to the duration of the Contract. All repairs, restoration, and construction shall be considered permanent.

1.04 CONSTRUCTION SEQUENCE

- A. Inclusion of the following sequencing restrictions does not relieve the Contractor from its responsibility to complete the Work with the specified contract duration, nor does it relieve the Contractor from its responsibility to sequence and carry out the work so as not to cause harm to the existing systems, environment, or community.
- B. The Contractor shall complete the work as shown in the Contract Drawings.
- C. Establish baseline Sedimentation and Erosion Control
- D. Install Tree Protection

- E. Mobilization
- F. Establish advance warning Traffic Management
- G. Layout of site work and survey control
- H. Prior to start of work the Contractor shall verify the relocation of any existing utilities that are scheduled for relocation, coordinate with the responsible utility, and relocate those utilities which are the Contractor's responsibility as per these Contract Documents.
- I. Remove and replace water main, as shown in the Contract Drawings.
 - 1. Work occurring on Brook Street, Ellsworth Street, and Everett Avenue shall be completed during the summer months (outside of the school's calendar year: typically late August through mid-June) to avoid disruption of school activities and school traffic for the East Somerville Community School.
 - 2. Work occurring on Cutter Street and Illinois Avenue shall be coordinated with the Engineer and City of Somerville to avoid conflict with sewer rehabilitation work within these limits.
 - 3. Where temporary bypass is required to install the proposed water main, temporary bypass systems shall be installed and approved prior to the deactivation of the existing water main.
 - 4. Perform temporary pavement restoration as shown in the Contract Documents.
- J. Clean and line 16 inch water main on McGrath Highway, as shown in the Contract Drawings. This work can be performed before or concurrently with water main replacement work.
 - 1. Restore water main through access pits and reconnect to side street water mains as shown.
- K. Perform testing and disinfection as specified for the rehabilitated segments of water main.
- L. Activate rehabilitated water main after getting necessary approvals from the Engineer and City of Somerville.
- M. Remove temporary bypass.
- N. Complete permanent pavement restoration within project limits.

1.05 UNDERGROUND UTILITIES

- A. The underground utilities shown on the plans have been located primarily from information furnished by others and are considered approximate both as to size and location. There may be additional utilities to be encountered that are not shown on the plans, and it shall be the Contractor's responsibility to locate all existing utilities and to protect same from damage or harm. All utilities interfered with or damaged shall be properly restored, at the expense of the Contractor, as required by Owner. Unapproved service interruptions will not be allowed. Refer to Specification Section 01 8000 for additional utility coordination information and requirements.

1.06 SURFACE RESTORATION

- 1. Any damage to the pavement, curbing, or sidewalks outside of the limits of excavation and excavation support as defined in the Contract Documents shall be the responsibility of the Contractor and all costs associated with the repair of the excavation, sub-base, pavement, curbing, and sidewalks shall be fully borne by the Contractor. Repairs shall be immediately made by the Contractor as per the Contract Documents and as required by the Engineer.

1.07 HOURS OF WORK

- A. The hours of work shall be Monday through Friday, 7:00 a.m. – 4:00 p.m. excluding City of Somerville Holidays. For additional hours restrictions, refer to Specification Section 01 1001 - MISCELLANEOUS REQUIREMENTS.
- B. Any work performed outside of Monday through Friday, 7:00 a.m. – 4:00 p.m must be approved by the Owner ahead of the commencement of work.
- C. During non-work hours (4:00 p.m. – 7:00 a.m. weekdays; weekends and holidays), the Contractor shall make the following provisions:

- a. Access to all properties shall be maintained. Work zones shall be clean, protected, and safe. The Contractor shall minimize the amount of parking restrictions.
 - b. At the end of each workday, the Contractor shall backfill and pave and/or place steel road plates over all excavations so as to maintain emergency vehicle and pedestrian traffic access and flow. Under no circumstances will open excavations be allowed during non-work hours. Contractor shall lay temporary pavement prior to each weekend. All parking will be given back to the community and businesses during non-work hours. Work zones shall be cleaned, protected and made safe.
- D. Contractor shall refer to Section 01 3003 - CONSTRUCTION PROGRESS SCHEDULES for snow clearing requirements for work performed during the winter moratorium period of November 15 - April 1.

1.08 CONTRACTOR USE OF PROJECT SITE

- A. The Contractor's use of the project site shall be limited to its construction operations, including on-site storage of materials, and on-site fabrication facilities.
- B. The Contractor shall limit on-street storage to the greatest extent practical.
- C. Any on-street storage being used for more than one week's time must be approved by the Owner in advance.
- D. The Contractor shall determine the location(s) of the staging area(s) to be used for this project and shall obtain approval of the location(s) from the City of Somerville prior to any mobilization activities. The Contractor shall not store equipment or materials on private properties, without prior negotiations with the property owner.
- E. The Contractor shall maintain access to street parking and driveway parking and access to all properties and businesses outside the work zone during off work hours.

1.09 LIST OF DRAWINGS

- A. The location, general characteristics, and principal details of the work are indicated on a set of drawings entitled "East Somerville Water Main Upgrades Project".
- B. The drawings stated above are the Contract Drawings, sometimes referred to herein as the "Drawings." Additional drawings showing details in accordance with which the work is to be done may be furnished from time to time by the Engineer, if found necessary, and shall then become a part of the Drawings.

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION (NOT USED)

PART 4 – COMPENSATION (NOT USED)

END OF SECTION 01 1000

SECTION 33 1422 - CURED-IN-PLACE PIPELINING-POTABLE WATER MAINS

33 1422.1

CURED IN PLACE PIPE - 16-INCH

LINEAR FOOT

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section. Cured in place pipelining shall be provided at locations indicated on the drawings.
- B. Contractor shall be responsible for verifying field conditions, existing utilities, elevations, and valve and service locations as required to perform the specified cured-in-place pipeline renewal work.
- C. All ductile iron pipe, couplings and fittings as required under this contract and shown within the limits of CIPP lining will be provided and installed as indicated in 33 1416 - DUCTILE-IRON PIPE AND FITTINGS.
- D. All valves required under this contract and shown within the limits of CIPP lining will be prepared and installed as indicated in 33 1419 - VALVES AND APPURTENANCES.
- E. Review the requirements for the approved Massachusetts Department of Transportation (MassDOT) Access Permit for all work within the state highway layout of McGrath Highway.

1.02 SUMMARY OF WORK

- A. It is the intent of this specification to provide for the reconstruction of the designated pressure pipe by installation of a new cured-in-place-pipe (CIPP) within the existing (host) pipe. The CIPP shall be designed as a fully structural Class IV pipe, not relying on the remaining strength or water tightness of the host pipe to withstand long-term external loading.
- B. The proposed product shall be certified as complying with the requirements of NSF/ANSI Standard 61.
- C. The work includes, but is not limited to, the following:
 - 1. Installing a Cured-in-Place (CIPP) lining system for potable water main.
 - 2. Inspecting, cleaning and measuring the interior of the water main pipe to be lined.
 - 3. Excavating, backfilling and paving access pits upon completion of work.
 - 4. Excavation, backfilling and restoring concrete sidewalks upon completion of work.
 - 5. Removing existing valves, piping and fittings to allow CIPP installation. Furnishing and installing new valves with boxes, fittings, pipe segments and couplings as shown on the drawings.
 - 6. Preparing and distributing written notification to abutters of impending CIPP work.
 - 7. Furnishing all plant, labor, equipment and materials as well as performing all operations associated with the installation of CIPP inside the existing water main pipeline where indicated on the Drawings.
 - 8. Performing the work in a sequence that is the least disruptive to vehicular and pedestrian traffic and in a manner that shall protect the public from damage to persons and property within the limits and for the duration of the work.
 - 9. Coordination with local water authority and fire department for use of a by-pass system with hydrants and installation of approved backflow devices.
 - 10. Handling and disposal of discharge water and materials from the CIPP curing operation.
 - 11. Conducting pre-and post-lining television inspections.
 - 12. Liner material testing, pressure testing and disinfecting all water mains and appurtenances.
 - 13. All work shall be in accordance with applicable Federal, State and Local requirements, and these specifications.

- D. Related Sections include but are not limited to the following:
1. 31 2316 - SUPPORT OF EXCAVATION
 2. 33 0110.58 - DISINFECTION OF WATER MAINS
 3. 33 0505.31 - PIPELINE PRESSURE AND LEAKAGE TESTING
 4. 33 1416 - DUCTILE-IRON PIPE AND FITTINGS
 5. 33 1417 - WATER SERVICES
 6. 33 1419 - VALVES AND APPURTENANCES
 7. 33 1420 - HYDRANTS

1.03 SUBMITTALS

- A. General: Submit each item in this article according to the conditions of the Contract and Division 1, Section 01 3000 - SUBMITTALS.
- B. A general CIPP Installation submittal shall be provided and include shop drawings and/or manufacturer's descriptive literature indicating materials, equipment and methods to complete CIPP operations.
1. Details and description of construction methods, materials, equipment, and process description, including on-site and off-site tube wet out, insertion procedure, curing and cool down procedure, access structures, method of cutting hydrant and tee connections, method for sealing ends of liner and lateral cut-outs, methods for connecting to existing water mains, water sources and method of cure-water/steam discharge.
 2. Material Safety Data Sheets (MSDS's) and ANSI/NSF 61 certifications for all materials used during preparation and installation. All materials shall be NSF approved for submerged use in potable water.
 3. Certification stating that the Contractor is fully licensed by the CIPP manufacturer (if different).
 4. Method(s) and equipment for repairs of any uncured areas, defects, test sample section repairs or other deformities in the completed product.
 5. Certified copies of all test reports on the properties of the selected resin by the material manufacturer indicating that the supplied materials conform to the design criteria.
 6. Description of odors anticipated as a result of the curing process and methods to mitigate odors to prevent migration outside of the pipeline.
 7. Written description of procedures and equipment for field measurement of pipe interior diameters.
 8. Copy of proposed 7-day and 24-hours written notifications to abutters of the planned CIPP work.
 9. The plan shall identify the number and location of all access pits.
- C. Contractor shall submit design calculations for liner. The submittal shall provide documentation supporting the basis of the values used in the design calculations. Contractor shall submit design calculations for the CIPP materials and thicknesses. If the in-place pipe interior dimensions vary from those used in the pipe liner thickness calculations, the calculations are to be redone to reflect actual field conditions.
- D. Contractor shall submit to the Engineer, prior to use of lining materials, satisfactory written guarantee of compliance with Paragraph 2.1 of these specifications and the liner manufacturer's standards for all materials (woven and seamless polyester jackets, watertight polymeric membrane bonded to the interior and the thermosetting resin). Also provide detailed design calculations for both the internal and external loading parameters specified in Section 2.02. shall be submitted for review and approval. The CIPP shall be designed as per Class IV "Fully Structural" conditions as defined in the AWWA Manual M28 and for "Fully Deteriorated Host Pipe" conditions as defined in ASTM F1216.
- E. Prior to start of work, Contractor shall submit to the Engineer the types of resins and resultant cure schedules for each length and size of water main to be lined.

- F. The liner calculations shall be prepared and stamped by a Professional Engineer registered in the Commonwealth of Massachusetts who has minimum experience of three (3) projects having similar diameter in cured-in-place pipelining systems and installations for water systems.
 - 1. For pulled-in systems, Contractor shall submit design calculations for the maximum allowable pulling force on tube as well as the type of equipment and monitoring provisions to measure such forces during installation. If the in-place pipe interior dimensions vary from those used in the pipe liner thickness calculations, the calculations are to be redone to reflect actual conditions.
- G. Contractor shall submit curing logs within 24-hours of cool-down completion for each inversion indicating temperature readings at sensors in intervals of at least ½- hour.
- H. Contractor shall submit name of testing laboratories to be utilized for the work. Information shall include laboratory name, address, e-mail and contact information. Data sheets showing lab experience in the proposed testing procedures shall also be submitted for Engineer's review.
- I. Contractor shall submit final CIPP testing reports as specified herein.
- J. Contractor shall submit a work plan to include the following items:
 - 1. Name, business address and telephone number of the CIPP installer and/or manufacturer (if different from the Contractor) and certification from the CIPP manufacturer that the Contractor is licensed/certified for installation of the product.
 - 2. List of names and phone numbers of all supervisory personnel involved with the CIPP installation.
 - 3. Description of the method and any intended variances from the specified methods.
 - 4. Description of surface activities including access pits, staging and inversion locations.
 - 5. Construction method(s) and equipment used to penetrate blockages of the existing pipeline.
 - 6. Description of techniques used to determine location and size of by-pass water main and hydrant branches, valves and services.
 - 7. Detailed action plan and description of techniques and equipment used in the event of odor migration into public and/or private property (indoors as well as outdoors).
 - 8. Traffic and pedestrian management plan as applicable.
 - 9. Supervisory personnel resume. Résumé information shall include, at a minimum, educational background, the number of years in a supervisory capacity and a list of completed projects within the past five (5) years, including project description, responsibilities, complexity and contract value amounts. Refer to Paragraph 1.4C for requirements.
- K. Contractor shall provide a certification stating that all existing service connections have been located and will be plugged per Paragraph 3.02.
- L. Contractor shall submit complete documentation of qualifications as specified herein, see section 1.4 below.
- M. The Contractor shall submit a written description of curing water disposal method.
- N. Manufacturer's data sheets and catalog cuts for host pipe edge guards, and end seals.
- O. If required by the Engineer on the basis of deficiencies observed in post-liner videos, the Contractor shall submit a written plan for conducting Hazen-William C-factor flow tests. Plan shall include location of valves to be closed during the tests, hydrant locations, pressure gauge information and other equipment and personnel to be utilized during the tests. C-factor flow tests shall be performed during evening hours when flow conditions are low.
- P. Operations for CIPP lining shall not occur until a temporary bypass plan has been submitted and approved by the Engineer and the City. Please review specification section 33 1421 for further details.

1.04 QUALITY ASSURANCE

- A. Provide in accordance with Section 01 4000 and as specified herein.

- B. The liner materials shall be a commercially proven product with a 5-year potable water installation history in North America and a minimum footage installed of 750,000 linear feet.
- C. Liner materials and installation shall be NSF-approved as suitable for use in potable water supply mains. Liner materials shall not impart tastes, odors or chemical by-product into the water.
- D. The Contractor installing the CIPP system shall have completed at least five (5) potable water projects, in North America, within the past three (3) years and projects that included CIPP installation lengths of at least 800 continuous linear feet, on-site wet-out or resin impregnation of the liner tube, and design and installation of a minimum 12-inch diameter CIPP, and water service reinstatements.

A combination of projects satisfying the above provisions may be acceptable as long as three (3) projects have been successfully completed for each provision.

- E. Supervisory personnel shall have a minimum of five (5) years' experience and shall have completed at least three (3) projects with the installation of potable water main CIPP-installations of similar size and complexity as this project in the United States within the past five (5) years. Attach resumes of each person named. Resume information shall include, at a minimum, educational background, the number of years in a supervisory capacity and a list of similar completed projects within the past five (5) years, including project description, complexity and contract total amounts.
- F. Rejection of any subcontractor and/or manufacturer by the Engineer due to insufficient qualifications or experience shall not be grounds for modifications to the Contract Documents such as change in scope, time of completion or contract amount.
- G. Designated supervisory personnel shall be directly involved with and used on this project. Substitutions of personnel will not be allowed without written authorization of the Engineer.
- H. All Contractor's personnel entering access pits shall be Confined Space Entry trained per OSHA, Title 29 CFR 1910.46 and shall have a copy of their certification available on-site at all times.
- I. **PRODUCT, MANUFACTURER APPROVALS**
 - 1. To ensure that the finished product meets the quality control standards set forth by the Owner, all CIPP liners shall be impregnated by a facility that is approved by the product's Manufacturer (both dry liner and resin).
 - 2. Proof of the above criteria must be submitted with the bid to be deemed responsive.

1.05 ASTM AND AWWA STANDARDS

- A. CIPP work and materials shall comply with all applicable sections of the following standards.
 - 1. ASTM D638 – Standard Test Method for Tensile Properties of Plastics
 - 2. ASTM D790 – Standard Test Method for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
 - 3. NFS/ANSI 61 – Drinking Water System Components – Health Effects
 - 4. NSF/ANSI 372 – Drinking Water System Components – Lead Content
 - 5. ASTM F1216 – Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Inversion and Curing of a Resin-Impregnated Tube
 - a. ASTM F1743 – Standard Practice for Rehabilitation of Existing Pipelines and Conduits by Pulled-in-Place Installation of Cured-in-Place Thermosetting Resin Pipe (CIPP)
 - b. ASTM F2019 – Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Pulled in Place Installation of Glass Reinforced Plastic Cured-in-Place (GRP-CIPP) Using the UV-Light Curing Method
 - 6. AWWA M28 – Rehabilitation of Water Mains
 - ~~7. AWWA C600 – Installation of Ductile Iron Water Mains and Their Appurtenances, Section 5.2 Hydrostatic Testing~~
 - 8. AWWA C651 – Disinfecting Water Mains.

Add: ASTM F1216 - Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Inversion and Curing of a Resin-Impregnated Tube

- a. AWWA C623-22 - Cured-In-Place Pipe (CIPP) Rehabilitation of Pressurized Potable Water Pipelines, 4 In. (100 mm) and Larger
- B. If conflicts exist between the specifications and the above-referenced standards, the more stringent requirements, as determined by the Engineer, shall apply.

1.06 PRODUCTS, MATERIALS AND EQUIPMENT

- A. Provide in accordance with SECTION 01610 - DELIVERY, STORAGE AND HANDLING

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Cured-In-Place Liner and Sectional Liners.
 - 1. Liner and resins shall be NSF approved for use in potable water applications and shall be designed and constructed in accordance with ASTM F1216 for "Rehabilitation of Existing Pipelines and Conduits by the Inversion and Curing of a Resin-Impregnated Tube", and these Specifications.
 - 2. Liner shall be fabricated to a size that, when installed, shall neatly fit the internal circumference of the existing pipeline. Allowances shall be made for circumferential and longitudinal stretching during installation. Accurate measurement, in at least four clock angles (E.g. 3 o'clock to 9 o'clock; 12 o'clock to 6 o'clock; 10 o'clock to 4 o'clock; 2 o'clock to 8 o'clock), of the host pipe internal diameter shall be undertaken prior to ordering/fabricating the tube
 - 3. The liner shall be designed to adequately resist the full internal pressure and all external pressures and conditions (deflection, ring bending, buckling and minimum stiffness), the liner shall contain glass reinforcement (or approved equal) to support internal pressures. The length of the liner shall be as required to span the distance of the segment being lined and also to seal the liner at the end points. The tube shall contain no intermediate or encapsulated elastomeric layers.
 - a. The CIPP tube product shall consist of one or more layers of absorbent woven and/or non-woven synthetic fiber, with glass or woven fiber reinforcement, which is fabricated in the USA. The CIPP tube is then impregnated with a thermoset resin system that is compatible with the installation process being used. For potable water applications, the completed liner shall meet NSF/ANSI 61 certification requirements.
 - 4. Liner shall incorporate thermosetting materials that will withstand the corrosive effects of normal existing chemical additives, including chlorine agents, to the water supply.
 - 5. The cured-in-place pipe shall be designated as a Class IV fully structural liner according to AWWA M28. Pipe shall be a standalone structural pipe that can withstand all dead and live loads and internal pressures and vacuum conditions without help of the residual strength of the existing pipe. If the host pipe is depressurized, the CIP liner pipe will resist external dead and live loads.
 - 6. In the installed state, the inside layer of the tube shall be coated with a translucent, flexible plastic material that acts to separate the curing heat medium from the thermoset resin system undergoing cure.
 - 7. The wall color of the interior pipe surface of the CIPP after installation shall be a light reflective color so that a clear detail examination may be made of the final product.
 - 8. Materials that are defective, damaged, or otherwise deemed unacceptable for use prior to installation shall be rejected and replaced at Contractor's expense. Liner materials damaged during installation shall be repaired or replaced as recommended by the Contractor and approved by the Owner.

2.02 DESIGN CRITERIA

- A. General
 - 1. The CIPP shall be designed to have sufficient structural strength to support all dead loads, live loads, and groundwater load imposed, with the assumption that the existing pipeline is fully deteriorated and cannot share any loading or contribute to structural integrity of the CIPP.

2. The CIPP shall be designed as per AWWA Manual M28 Class IV "Fully Structural" conditions and shall be provided as a prequalification submittal (see Section 1.03-A.2.c). These detailed calculations shall provide the input data as well as the actual calculation for Eqs X1.1, X1.3, X1.4 and X1.7 of Appendix X1. of ASTM F1216. The design submittal shall also clearly identify the physical properties used for design. Design shall also verify axial strength to meet specifications. The liner design shall not require or infer full length adhesion or bond to the host pipe, providing a liner totally independent of the host pipe.
3. Other than what is allowed in ASTM F1216, the CIPP design shall assume no contribution from the original host pipe.
4. The properties of the CIPP, when cured, shall have the following minimum values and shall be verified by ASTM testing as indicated in table below:

Property	ASTM Test Method	Initial psi*
Initial Flexural Strength	D790	4,500 psi minimum
Initial Flexural Modulus of Elasticity	D790	250,000 psi minimum
Tensile Strength @ Yield	D638**	3,000 psi minimum

*Values are for design conditions @ 75°F (25°C)

** For materials that do not allow sufficiently accurate hoop/weft testing per ASTM D638, initial tensile strength may also be substantiated by short-term burst testing results or ASTM D2290 hoop test results.

B. Design Performance Limits and Design Parameters

1. The CIPP shall be designed such that the lining shall not fail, collapse, buckle, crack or delaminate under load. The maximum long-term fifty (50) year calculated deflection under all loads shall not exceed five (5) percent. For glass fiber reinforced liner pipe, the bending strain fifty (50) years developed shall not exceed the higher of the minimum long-term value in ASTM D3262 for the pipe stiffness supplied or that substantiated by long-term strain tests done in accordance with ASTM D3681 using 1.0 N sulfuric acid.

C. The following design parameters shall be used in the design of all liners in addition to the manufacturer's standards and ASTM F1216.

1.	Depth of Cover Above Crown of Pipe ¹	4.5 feet (minimum)
2.	Depth of Groundwater Above Crown of Pipe	Assume ground surface
3.	Existing Pipe Condition	Unknown
4.	Specific Weight of Soil	125 lb. per cu. ft.
5.	Modulus of Soil Reaction	100 psi for common fill 1,000 psi
6.	Wheel Load ²	AASHTO HS20-44 loading under roadways
7.	Deflection Lag Factor, DL	1.0 (Initial) 1.2 (50 years)
8.	Ovality Correction Factor	2%
9.	Long Term Modulus of Elasticity	50 years under constant stress, when submerged in water, to be used for constrained buckling resistance design for combined external loads from groundwater and earth cover.
10.	Minimum Factor of Safety against buckling	2.0 minimum, unless otherwise specified (not applicable for maximum bending strain)
11.	Working Pressure	85 psi minimum
12.	Creep Reduction Factor	50% Maximum

13.	Diameter	16 inches nominal
14.	Surge Pressure	Assume 2.0 x the operating pressure

Notes: ¹Design of the CIPP shall be based on prism load on the liner pipe, using the outside diameter of the liner in the calculations.

²Impact factors to be included when depth of cover is less than three (3) feet per values recommended by AASHTO.

- D. The minimum thickness of the CIPP shall be as determined for the design parameters imposed. Calculations for the determination of the required liner pipe stiffness shall be the largest pipe stiffness for each CIPP installation reach (inversion/installation access point to termination point), as determined by calculations provided for the following parameters: (1) Maximum Deflection; (2) Minimum Pipe Stiffness; (3) Ring Bending Strain; and (4) Constrained Buckling Resistance Using Long Term Modulus of Elasticity. The design calculations shall consider all cases of loading to the CIPP and the liner thickness required shall withstand these loads without collapsing.
- E. If the Contractor is to use hydrants for CIPP work, flow must be metered and an approved reduced pressure backflow device placed on the hydrant connection. Contractor shall coordinate hydrant usage with the City of Somerville Water and Sewer Department and the City of Somerville's Fire Department. Contractor shall be responsible for all related connection and usage charges.

2.03 RESIN

- A. Resins shall be suitable for use in potable water mains and NSF approved. They shall be epoxy material made of 100% solids. Resins shall contain no VOCs or styrene.

2.04 WRITTEN NOTICE

- A. Contractor shall prepare and deliver to each abutter along the pipeline where CIPP work will take place notices of the proposed work.
- B. The notices shall be delivered seventy-two (72) hrs prior the work being performed. Each notice shall contain the following minimum information:
 - a. Name, address and telephone number of Contractor and on-site foreman.
 - b. Description of work to be done including start and finish dates.
 - c. Special instructions to residents regarding water service.
 - d. Emergency contact information.
 - e. Other information as applicable.

PART 3 - EXECUTION

3.01 GENERAL

- A. Contractor shall perform all work in accordance with municipal, state and federal requirements.
- B. Contractor shall obtain all permits required to perform work prior to the commencement of construction.
- C. The length of the CIPP shall equal the length indicated on the Drawings unless otherwise directed by the Engineer. The Contractor shall verify the internal pipe diameter/dimension(s) and lengths in the field prior to liner impregnation.
- D. Individual inversions/installations shall be performed via access pits. No structures exist along the project corridor as to allow inversions/installations.
- E. The CIPP shall be performed with as minimal excavations as possible, surface impacts, or removal of existing structures. Excavation for repairs or emergencies shall be permitted, but only as approved by the Owner.
- F. Contractor shall review all existing conditions data prior to the commencement of construction.

- G. Insulation with jacket shall be installed on newly installed water main and fittings having less than 4.5-feet of cover. Installation shall be in accordance with manufacturer's instructions.
- H. Water necessary for cleaning, flushing, and pressure testing will be coordinated with the Contractor and Subcontractor as needed for the installation of CIPP liner.

3.02 PREPARATION

- A. Contractor shall notify all abutters via written notice of the upcoming work 72 hours prior to lining work beginning and again 24-hour prior to work taking place.
- B. Contractor shall excavate insertion/extraction pits as shown on the drawings or as required in the field. Pit dimensions shall be kept to a minimum, only the length and width as recommended by the pipe liner manufacturer shall be excavated.
- C. Contractor shall excavate and remove the minimum length of existing main necessary for the CIPP work. Mains shall be cut square by means of approved cutting machine. All cut ends shall not have split or fractured ends.
- D. After cutting, the interior of the pipe ends shall be chamfered to prevent damage to the pipe liner during installation. Any damaged liner shall be removed and replaced at no additional costs to the City.
- E. Edge guards shall be utilized to protect the liner from host pipe edges during installation.
- F. Contractor shall examine the pipe route after cutting the main. Contractor shall utilize pipeline location devices to verify the pipe route and detect changes in direction, valves, bends, intrusions and other fittings that may impede the insertion and/or the proper inflation of the CIPP liner.
- G. Prior to installation of the liner that require the CIPP to be adhesively bonded at the service connections, appurtenances or the host pipe barrel section, the Contractor shall clean and prepare the pipeline surface to a condition that provides suitable surface finish for bonding in the vicinity of the service connection.
- H. Prior to installation of the liner, the Contractor shall locate all existing service connections up to 2" in diameter and internally plug by video camera directed internal robotics there corporation valve connections as recommended by the manufacturer. All plugs shall be sized for the respective water taps and shall be designed to prevent resin migration into the service. The service plugs used in this process shall be able to withstand the temperatures and pressures expected during the installation and cure of the CIPP.
- I. Upon completion of liner work, access pits shall be backfilled and compacted, please review specification section 31 0000 for backfill requirements and 32 1216 for pavement restoration.

3.03 CLEANING

- A. Cleaning of the existing main shall be conducted by the Contractor. The Contractor shall remove all internal debris out of the pipeline that will interfere with the installation. Pipes shall be cleaned by the Contractor, as needed, with high-velocity jet cleaners, mechanically powered equipment, cable-attached devices or fluid-propelled devices (e.g., pipe pigs). Any hazardous waste material encountered during this project shall be considered as a changed condition.
- B. Contractor shall anticipate the main will have a large quantity of rust and scale deposits. Cleaning shall remove all rust, scale, tuberculation, deposits, loose or deteriorated remains of any original coatings or other foreign materials inside of the pipe. Contractor shall not remove any existing liners in their entirety, only deteriorated portions. Cleaning shall provide for a smooth metal surface finish to allow for adherence of the composite liner to the existing host pipe. Contractor shall be required and be responsible for transporting and disposing of all material/debris resulting from cleaning operations. Disposal and transportation shall be done in accordance with all City, State, and Federal Regulations.
- C. Verification of readiness to install liner shall be performed by a qualified individual trained in proper CIPP liner installation. This may include pipe mandrels or other devices up to and including closed-circuit television or man entry. The interior of the pipeline shall be carefully

inspected to determine the location of any conditions that may prevent proper installation of the impregnated tube. A video tape or suitable log shall be kept for reference.

- D. Any external water leaking back into the existing pipeline shall be kept to a minimum to the installer's requirements so as not to interfere with the proper installation and cure of the CIPP liner.
- E. The Contractor shall field verify the length of water main sections to be cleaned and lined.
- F. The Contractor shall isolate or remove any air release valves, other valves or other appurtenances that require replacement or that could impede the lining operation from the pressure pipe section prior to liner installation.
- G. Wherever practical, remove standing water from the inside surfaces of the cleaned pipeline by passing oversized foam swabs or squeegees through the main or use a progressive expansion method to remove standing water.
- H. After cleaning, and immediately before inserting the liner into the main, Contractor shall plunge the main with a tight-fitting rubber plunger and foam swab to clear the pipe bore of debris and water.

3.04 TELEVISION INSPECTIONS

- A. A minimum of three (3) liner television inspections and recordings shall be performed during the work. Inspections and recordings shall be performed at the following times:
 - 1. After cleaning the existing main, prior to installing the liner
 - 2. Post-liner installation prior to restoring services and laterals
 - 3. Final inspection after services and laterals restored
- B. Television inspections shall be performed as described below. Video media shall be furnished to the Engineer for review prior to commencing with the next phase of work.
- C. After cleaning the main, Contractor shall perform a robotic television inspection and video recording of the existing water main. The inspection shall be performed utilizing a radial eye camera to determine that the rust and scale deposits have been adequately removed, that the condition of the water main makes the lining feasible, to check for leaking service connections and to accurately identify the location of all service connections. Each service connection location shall be logged for use when reopening of the connections is required.
- D. Copies of the initial video and logs showing service locations and sizes shall be provided to the Engineer for review. If video is unclear or incomplete, the Contractor shall repeat the inspection work at no additional cost to the City.
- E. Upon completion of the liner work, and prior to disinfection, the Contractor shall perform a robotic television inspection and video recording to verify condition of the newly-rehabilitated main and quality of liner surfaces.
 - 1. Post liner installation inspection shall occur after the liner has cooled to less than 100° Fahrenheit and before opening service laterals and connections. The installed liner television inspection will be the basis of determining if the liner was properly installed.
- F. A final television inspection and video recording of the lined main including restored service connections and laterals shall be performed upon completion of the work. If defects, as determined by the Engineer, are noted they are to be repaired by the Contractor at no additional costs to the Owner.
- G. Copies of the post-liner condition video and logs showing service locations and sizes shall be provided to the Engineer for review.
- H. If any video is unclear or incomplete, the Contractor shall repeat the inspection work at no additional cost to the Owner.

3.05 ODORS

- 1. If Contractor elects to drain cure-water, the water shall be pumped to a discharge location approved by the Owner at no additional cost to the Owner. Care shall be taken in the

release of the static head so that a vacuum shall not develop that could damage the newly installed CIP pipeline.

- B. Contractor shall mitigate all odors onto public or private property due to renewal operations immediately after notification from the Owner or the Engineer including, but not limited to, forced-air ventilation and/or chemical cleaning of buildings at no additional cost to the Owner.

3.06 INSTALLATION OF LINER

- A. Prior to installing the liner, Contractor shall provide the Engineer with a letter from the CIPP liner manufacturer approving the Contractor's equipment.
- B. Contractor shall excavate access pits to install the liner. Existing main shall be cut and edges of cut main shall be beveled to prevent tearing of the liner during installation. After completion of cutting and beveling, the ends of the adjacent existing main not to be lined shall be capped or plugged to prevent debris from entering the pipe.
- C. Contractor shall allow Engineer full access to inspect the materials and chemical impregnation process. Only resin and catalyst materials approved by the liner manufacturer shall be used. The quantity of liquid thermosetting materials inserted into the lining tube shall be in accordance with the liner manufacturer's standards. Resin shall fully saturate the liner material and provide the specified lining thickness.
- D. Liner shall be installed into the existing main by direct inversion (ASTM F1216) using a head of water, or by pulling the tube into place by winching and then inflating it (ASTM F1743). Shaping of the liner may be achieved by pushing a pig through the hose using water pressure. Head shall be sufficient to extend the liner tube enough to fully extend the tube both circumferentially and longitudinally. The head used shall be within the manufacturer's guidelines to insure that a proper finished thickness is achieved and that the liner will fit snug to the existing pipe wall producing dimples at service connections and flares at entrance and exit points.
- E. Before the installation begins, the Contractor shall determine the minimum pressure required to hold the tube tight against the existing pipeline, and the maximum allowable pressure to prevent tube damage. In order to ensure a proper fit of the CIPP tube to the host pipe, the pressure shall be maintained between the minimum and maximum pressures until the installation has been completed. The Manufacturer shall provide installation pressure envelope for each liner.
- F. The use of a lubricant during the installation process may be needed to reduce friction. The lubricant used shall be nontoxic and certified for use by the tube manufacturer.
- G. After tube installation into the host pipe is completed, the curing process shall be initiated. Appropriate curing procedures are to be followed depending on the curing method selected. For photoinitiated curing, a UV-light system is to be utilized. For heat cured liners, equipment to deliver hot water or steam is to be utilized. The curing process as developed by the Manufacturer shall be followed. The process equipment that is utilized must be certified by the Manufacturer for curing their liner product. Follow applicable curing process steps laid out, as part of the Manufacturer's NSF/ANSI Standard 61 Potable Water Certificate.
- H. Contractor shall provide suitable temperature and pressure gauges in full compliance with the manufacturer's standards and specifications. Puller unit/winch cable shall be equipped with manufacturer recommended tension gauge and shall be smooth, running and have variable speed capability.
- I. Contractor shall prepare and inspect all necessary tools and any spare parts that are required for equipment that suffers frequent breakdowns. Contractor shall ensure that said tools and spare parts are available at the site. Contractor shall also prepare and make operable all necessary communication equipment for his field crew.
- J. Upon completion of all specified preparation requirements, Contractor shall notify the Engineer, in writing, that the work is in compliance with the specifications and the liner manufacturer's requirements.

- K. The Contractor shall designate the locations where the liner will be impregnated prior to installation. The Contractor shall allow the Engineer and the Owner to review the materials and "wet-out" procedure. A catalyst system compatible with the resin and tube shall be used in accordance with the manufacturer's written recommendations.
- L. The wet-out reconstruction tube shall be inserted through an existing access structure or other access point by approved techniques/processes of the Contractor. Tubes that are pulled in place shall be done in a manner that shall not damage the tube. The winch shall be equipped with a dynamometer to record the pulling forces required during installation. Pull forces shall not exceed manufacturer's recommendations that shall be based on a maximum longitudinal stretch of five (5) percent of the total tube length. Inversion heads for tubes that are inverted in place shall not exceed manufacturer's recommendations so as not to overstress the tube material or exceed 5% longitudinal stretch. Progressive rounding of the liner shall be performed, prior to curing, to eliminate all trapped water between the liner and the existing pipeline. The Contractor shall describe the process or technique(s) to be used to progressively round the liner tube to remove all trapped water between the liner pipe and the existing pipe.
- M. Once pulled into place, the liner shall rest flat inside the host pipe. The liner is then inflated by means of a pig swab and/or water pressure to push it against the inside walls of the pipe. Air trapped between the liner and the pipe shall be evacuated and all voids and cracks shall be filled with epoxy. When the liner has cured; it shall fit tightly against the interior walls of the existing pipe and provide a watertight environment.
- N. After inversion/installation is completed, the Contractor shall supply a suitable heat source and fluid recirculation equipment or other approved methods. The equipment shall be capable of delivering hot water/steam throughout the section by means of a pre-strung hose to uniformly raise the water/steam temperature above the temperature required to effect a cure for the resin. This temperature shall be determined by the CIPP manufacturer and based on the resin/catalyst system employed.
- O. For steam and hot water cured liners, the heat source shall be fitted with continuous monitors to gauge the temperature along the full-length of the CIPP liner between the incoming and outgoing water/steam supply. Continuous temperature monitoring shall be VeriCure by Vortex or approved equal. Water/steam temperature in the line during the cure period shall be recommended by the resin manufacturer.
- P. Initial cure shall be deemed to be completed when inspection of the exposed portions of cured liner appear to be hard and sound and the remote temperature sensor indicates that the temperature is of a magnitude to realize an exotherm. The cure period shall be of a duration recommended by the resin manufacturer, as modified for the CIPP process, during which time the recalculation of the water/steam and cycling of the heat exchangers to maintain the temperature continues. Curing temperatures and duration shall comply with previously submitted data and information.
- Q. Once the cure is complete, the Contractor shall cool the hardened liner to a temperature below 100° Fahrenheit before relieving the internal pressure. Cool down shall be performed per liner manufacturer's directions. Care shall be taken in the release of the internal pressure so that a vacuum does not develop inside the main which could result in damage to the newly installed liner. Follow applicable curing process steps laid out, as part of the Manufacturer's NSF/ANSI Standard 61 Potable Water Certificate.
- R. If Contractor elects to drain cure-water, the water shall be pumped to a discharge location approved by the Owner at no additional cost to the Owner. Care shall be taken in the release of the static head so that a vacuum shall not develop that could damage the newly installed CIP pipeline.
- S. Contractor shall repair all uncured areas, defects, test sample section repairs or other deformities in the liner during inversion operations in accordance with the manufacturer's recommendations. The finished CIPP shall be continuous over the entire length of an inversion/installation run and be as free as commercially practicable from visual defects such as foreign inclusions, dry spots, pinholes, wrinkles, delamination or other deformities. Liner shall

be impervious and free of any leakage from the pipe to the surrounding ground or from the ground to the inside of the lined pipe. Any such conditions deemed unacceptable by the Owner shall be repaired and/or replaced at no additional cost to the Owner. Other defects, such as lifts, folds, fins or wrinkles will only be acceptable if it can be proven that the reinforcing fabric is not present in this defect..

3.07 LINER TESTING

- A. For each separate length of CIPP, 18-inch diameter or less, installed, the Contractor shall prepare at least one (1) sample in accordance with ASTM F1216, Section 8.1.1 and one (1) "restrained" sample in accordance with Section 8.1.2 for testing at a laboratory approved by the Engineer. If a sample is used per section 8.1.1, the Contractor shall hold the pipe in place by a suitable heat sink; otherwise this method will not be acceptable.
- B. If a flat plate sample is used for testing, the sample shall be taken from a section of the length of CIPP to be installed. Flat plate samples cured by a suitable heat sink and tested in accordance with ASTM 1216, section 8.1 shall be considered as passing if they exceed the design value criteria. Flat plate samples cured in the downtube or in the silencer in accordance with ASTM F1216, Section 8.1.2 shall be considered as passing the design value criteria if the arithmetic mean of the tested samples, as defined in ASTM D790, is greater than or equal to parameters set forth in this Section after the arithmetic means is reduced to 80% of its original calculated value.
- C. Samples secured as specified shall be tested to verify that the pipe flexural modulus and flexural strength of the CIPP is at least equal to that required by the approved design submittal, and the wall thickness is at least equal to that required in the approved design submittal. Wall thickness shall be verified at each inversion and termination access at four equidistant points around the perimeter.
- D. If any sample fails the verification tests specified, the Contractor shall take five (5) additional samples throughout the length of the inversion/installation and retested to ensure the specified criteria has been met. If any sample fails these retests, the entire inversion/installation length shall be rejected.
- E. Any rejected inversion/installation shall be relined or replaced by the Contractor at no additional cost to the Owner. The Contractor shall submit method of repair of the rejected inversion/installation length for review and approval by the Owner prior to constructing any repair work. Any samples taken from within the final completed liner pipe shall be repaired by the Contractor, in accordance with the shop drawings, at no expense to the Owner.
- F. Contractor shall submit curing water test reports as required by any discharge permit requirements.
- G. Contractor shall submit the names, address, and EPA identification number of the transporter and disposal facility in the event a treatment or disposal facility is used for cure water discharge. Test results and disposal documentation from the facility shall also be submitted.
- H. Perform disinfection testing per specification section 33 0110.58 Disinfection of Water Mains.

3.08 PRESSURE TESTING FOR WATER-TIGHTNESS

- A. Perform pressure and leak testing for CIPP liners
- ~~0505.31 PIPELINE PRESSURE AND LEAKAGE~~

in accordance with ASTM F 1216, except that pressure testing shall be performed at 1.5 times the operating pressure or 150 psi, whichever is greater. The Contractor shall be responsible for addressing leaks in the CIPP liner system and existing services from the liner to the curb stop.

3.09 SYSTEM REINSTATEMENT

- A. After the cured lining system has been cooled down, a pressure test of the newly installed liner may be performed to determine that the liner is properly installed. If the CIPP is to be pressure tested, the post video will be delayed until after the successful testing.
- B. Once a section of liner has been cured completely and satisfactory television and video test results and satisfactory disinfection results have been obtained, the Contractor shall reinstate all services, hydrant and main branches located along its alignment.

- C. Services that are 2 inches or smaller shall be reestablished with a robotic cutting device specifically designed for cutting CIPP. The exact location and number of lateral connections shall be determined during the initial internal inspection(s) and/or in the field. The Contractor shall reconnect all lateral connections to the liner pipe, including those unoccupied, abandoned, or from vacant lots, unless otherwise directed by the Engineer.
- D. Equipment to reinstate services and branches shall be combined with video viewing and recording equipment of the final inspection of the lined main.
- E. Shape of pipeline cut-out shall match shape of connection. The annular space between the liner pipe and the services, main or hydrant branch connection shall be sealed with a resin mixture and/or NSF-approved epoxy compatible with the CIPP.
 - 1. Services, hydrant and main branch connections shall be reinstated by experienced operators so that no blind attempts are made in the liner. Location shall be re-verified carefully with pre-construction videotapes for accuracy, especially where dimples are not defined or clearly ascertained. The cut shall be smooth and circular with no jagged edges. The hole shall be a maximum of 100 percent and a minimum of 95 percent of the lateral pipe inside diameter. It shall be properly aligned and be concentric to the existing connection.
- F. The Contractor shall minimize the time that an inversion/installation access pits remain open. Consideration shall be provided to complete and coordinate all work including pipeline cleaning, pre installation internal inspection, pipeline renewal and post installation internal inspection to minimize disturbance to adjacent property owners.
- G. Upon satisfactory reinstatement of services and branches and flushing and disinfection of the lined main, the cut main sections shall be repaired with ductile iron pipe and couplings. New valves and boxes shall be installed where shown on the drawings. Please review related specifications 1.2B.
- H. Reconnections shall be free of burrs, frayed edges, and other restrictions preventing free water flow, and shall be opened to the size of their original diameter and to a depth required to completely open the water service connection to the residence served. If required, back flush the reinstated service line from the house or meter.
- I. Any services that cannot be reinstated internally by robotics because of technical limitations, shall be reinstated externally thru local excavations. These shall be reconnected by use of agency approved mechanical fittings. This may exclude saddled style services which may be specified for external reconnection.
- J. CIPP End Termination Fittings
 - 1. Utilize mechanical end fittings recommended by the Manufacturer and rated by the Manufacturer for the operating pressure specified. End fittings shall be independently tested in conjunction with the proposed liner to ensure a long-term watertight connection, independent of the host pipe.

3.10 ACCEPTANCE

- A. Prior to final acceptance, any defects that may, in the opinion of the Engineer, affect the integrity or strength of the pipeline shall be repaired by the Contractor at no additional cost to the Owner.
- B. Pipeline shall be true to line and grade, with no bulges, sags, protrusions, deflections, offset joints, leaking joints, or other visible infiltration, or other defects that would impair the intended use of the completed pipeline.
- C. In addition to the requirements specified herein, wrinkles or fins in the lined pipe shall not, at any point, have an adverse effect on the flow. At the discretion of the Engineer, flow tests shall be performed to calculate Hazen-Williams C-flow factor. If a C-factor lower than 155 is determined, the liner shall be removed and repaired. Flow test to determine C-factor shall be conducted by the Contractor at no additional costs to the Owner.

- D. Final acceptance of work shall not be granted until all defective areas are repaired in accordance with the CIPP manufacturer's recommendations and to the Owner's satisfaction.
- E. Any repairs required by the Engineer as a result of the post construction internal inspection shall be performed by the Contractor.
- F. Contractor shall perform a post construction internal inspection in accordance with Paragraph 3.4. Final acceptance of the work shall not be granted until post installation television inspection has been reviewed and approved by the Engineer.
- G. Contractor shall perform material sample, bacteriological and pressure testing as specified in relation specification, see 1.02C for related specifications and associated testing requirements. Final acceptance of the work shall not be granted until the appropriately formatted testing results have been reviewed and approved by the Engineer.

3.11 PROJECT CLOSEOUT

- A. Provide in accordance with SECTION 01 7000 - PROJECT CLOSEOUT.

PART 4 – COMPENSATION

ITEM 33 1422.1 – CURED IN PLACE PIPE – 16-INCH

BASIS OF PAYMENT / INCLUSIONS:

Under the Unit Price bid for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required for the complete procurement, resin impregnation, installation, and inspection of Cured-in-Place Pipeliner in existing pipes complete as indicated on the Drawings and Specifications, or as directed by the Owner or Engineer. This work shall include furnishing, installing, and/or performing the following: all homeowner notification and coordination; submittal preparation as described in the contract specifications; sawcutting pavement and concrete; concrete sidewalk excavation and removal; excavate bituminous concrete; excavation; dewatering; transporting material to and from soil staging area; excavation of insertion/extraction pits, interim pits as necessary to the size and depth necessary, support of excavation for insertion/extraction/interim pits; cutting/removal of existing water pipe for liner insertion; furnishing and installation of the liner and materials necessary per the Contract Specifications; cleaning of the existing pipe and removal and disposal of all materials from the cleaning process; reinstating water service connections; flushing, disinfection and pressure testing of the lined existing water main; inspection by closed circuit television as described in the Contract Specifications (pre and post inspection as required); procuring and installing end termination seals at each end of perspective CIPP lining limits or side street lateral connections as shown in the Contract Drawings and described in the Contract Specifications; providing inspection photos and logs; repair of water main sections cut for liner insertion/extraction; liner repairs; collecting, analyzing and providing to the engineer the test specimens, as described in the Contract Specifications; placing and compacting suitable backfill material; grade and compact gravel pavement sub-base; compaction testing; and all incidental work.

METHOD OF MEASUREMENT:

Payment for Cured-In-Place Pipeliner shall be based on the Unit Price bid in the proposal. Measurement for payment shall be based on the actual linear feet of complete and functional cured-in-place pipeliner as shown on the Contract Drawings or as directed by the Owner or Engineer. Measurement shall be taken along the centerline of the pipe from insertion point to extraction point.

Cured-In-Place Pipeliner installed but not successfully tested and accepted shall be paid for at a maximum of 95 percent of the unit prices bid under this item. The remaining 5 percent shall be paid upon receipt of successful test results by the Engineer. All reductions in payment due to unsuccessful testing shall be made prior to normal retainage.

SPECIAL NOTES ON EXCLUSIONS:

The following item(s) are not included for payment under this item and are included for payment elsewhere: disposal of bituminous concrete and construction debris; procurement, installation, and compaction of CDF; adjusting castings for paving; new ductile iron pipe of all diameters; new gate valves of all sizes; fittings and other appurtenances.

END OF SECTION 33 1422

Pre-Bid Meeting Attendees

Nelson Leite, Insituform

Spencer Brock, FER-PAL Construction USA.

Dave Mutt, Albanese D&S, Inc:

Jeff Petruzzi, Insituform

Michael Valenti, GVC Construction, Inc

Paul Umbro, Umbro & Sons:

CITY OF SOMERVILLE
East Somerville Water Main Upgrades

PRE-BID CONFERENCE

DAY/TIME: June 4, 2025, 12:00 p.m.

LOCATION: Virtual

AGENDA

1. Introductions
 - a. Owner – City of Somerville
 1. Department Infrastructure & Asset Management – Engineering
 2. Procurement
 - b. Engineer – Kleinfelder
2. Bidder questions in writing to City of Somerville Procurement & Contracting Services Attn: Jordan Remy - procurement@somervillema.gov by June 6, 2025, by 2:00 p.m.
3. Bid Due Date/Opening – June 18, 2025, by 2:00 p.m.
4. Anticipated NTP Date – June 25, 2025
5. Scope of Work

Project Description: The project involves water main rehabilitation and replacement along various streets throughout East Somerville and includes a base bid and two bid alternatives.

The Base Bid includes 7,400 linear feet of replacement of 6" water main with 8" water main. 5,600 linear feet will be replaced within a new pipe alignment along Kensington Ave, Blakeley Ave, Minnesota Ave, Connecticut Ave, Wisconsin Ave, Rhode Island Ave, Vermont Ave, New Hampshire Ave, Indiana Ave, Maine Ave, Austin St, McArthur St, and Everett Ave. 2,400 linear feet will be replaced within the existing alignment and will require temporary bypass on Illinois Ave, Maine Terrace, Cutter St, and Brook St. The work will also include the abandonment of 12" water main along Mystic Ave from Connecticut Ave to Maine Ave. The work includes rehabilitating the water main along McGrath Highway from Broadway to Mystic Ave, including ~~1,800~~ 1,210 linear feet of 16" cured-in-place pipe.

Alternate A includes 1,200 linear feet of replacement of 6" water main with 8" water main within a new pipe alignment along Hathorn St and Arlington St.

Alternate B includes 700 linear feet of replacement of 4" and 6" water main with 8" water main within a new pipe alignment along Ellsworth St, Pearl St Pl, and Flint Ave.

All work within this project also includes water service replacements with extents depending on service material and size, and the installation of new hydrants, valves, fittings, and the installation of associated appurtenances as shown in the Contract Drawings.

6. Schedule Considerations

- a. Date of Substantial Completion: 5/31/2027
- b. Date of Final Completion: 6/30/2027
- c. All temporary paving shall sit through a winter season before final paving (completed before Winter 2026/2027)

7. Discussion Items

- a. Edgerly School and East Somerville School
- b. Winter work
- c. McGrath water main rehabilitation
- d. Somerville Site Occupancy Permit requirements/ Traffic Management Plans
- e. Vulnerable Road Users Ordinance

8. Contractor Question



**THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DEPARTMENT OF LABOR STANDARDS
Prevailing Wage Rates**

MAURA HEALY
Governor

KIM DRISCOLL
Lt. Governor

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

LAUREN JONES
Secretary
MICHAEL FLANAGAN
Director

Awarding Authority:	City of Somerville	City/Town:	SOMERVILLE
Contract Number:	IFB # 25-73		
Description of Work:	East Somerville Water Main Upgrades		
Job Location:	Various locations in East Somerville, MA		

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.

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
(2 AXLE) DRIVER - EQUIPMENT TEAMSTERS JOINT COUNCIL NO. 10	12/1/2024	\$41.05	\$14.91	\$20.17	\$0.00	\$0.00	\$76.13
	6/1/2025	\$42.05	\$14.91	\$20.17	\$0.00	\$0.00	\$77.13
	8/1/2025	\$42.05	\$15.41	\$20.17	\$0.00	\$0.00	\$77.63
	12/1/2025	\$42.05	\$15.41	\$21.78	\$0.00	\$0.00	\$79.24
	6/1/2026	\$43.05	\$15.41	\$21.78	\$0.00	\$0.00	\$80.24
	8/1/2026	\$43.05	\$15.91	\$21.78	\$0.00	\$0.00	\$80.74
	12/1/2026	\$43.05	\$15.91	\$23.52	\$0.00	\$0.00	\$82.48
(3 AXLE) DRIVER - EQUIPMENT TEAMSTERS JOINT COUNCIL NO. 10	12/1/2024	\$40.88	\$14.91	\$20.17	\$0.00	\$0.00	\$75.96
	6/1/2025	\$41.12	\$14.91	\$20.17	\$0.00	\$0.00	\$76.20
	8/1/2025	\$41.12	\$15.41	\$20.17	\$0.00	\$0.00	\$76.70
	12/1/2025	\$41.12	\$15.41	\$21.78	\$0.00	\$0.00	\$78.31
	6/1/2026	\$43.12	\$15.41	\$21.78	\$0.00	\$0.00	\$80.31
	8/1/2026	\$43.12	\$15.91	\$21.78	\$0.00	\$0.00	\$80.81
	12/1/2026	\$43.12	\$15.91	\$23.52	\$0.00	\$0.00	\$82.55
(4 & 5 AXLE) DRIVER - EQUIPMENT TEAMSTERS JOINT COUNCIL NO. 10	12/1/2024	\$41.24	\$14.91	\$20.17	\$0.00	\$0.00	\$76.32
	6/1/2025	\$42.24	\$14.91	\$20.17	\$0.00	\$0.00	\$77.32
	8/1/2025	\$42.24	\$15.41	\$20.17	\$0.00	\$0.00	\$77.82
	12/1/2025	\$42.24	\$15.41	\$21.78	\$0.00	\$0.00	\$79.43
	6/1/2026	\$43.24	\$15.41	\$21.78	\$0.00	\$0.00	\$80.43
	8/1/2026	\$43.24	\$15.91	\$21.78	\$0.00	\$0.00	\$80.93
	12/1/2026	\$43.24	\$15.91	\$23.52	\$0.00	\$0.00	\$82.67
ADS/SUBMERSIBLE PILOT PILE DRIVER LOCAL 56	1/1/2024	\$117.16	\$10.08	\$11.62	\$12.67	\$0.00	\$151.53
For apprentice rates see "Apprentice- PILE DRIVER"							
AIR TRACK OPERATOR LABORERS	12/1/2024	\$46.85	\$9.90	\$9.25	\$9.65	\$0.00	\$75.65
	6/1/2025	\$48.35	\$9.90	\$9.25	\$9.65	\$0.00	\$77.15
	12/1/2025	\$49.85	\$9.90	\$9.25	\$9.65	\$0.00	\$78.65
	6/1/2026	\$50.65	\$9.90	\$9.25	\$9.65	\$0.00	\$79.45
	12/1/2026	\$52.90	\$9.90	\$9.25	\$9.65	\$0.00	\$81.70
	6/1/2027	\$54.50	\$9.90	\$9.25	\$9.65	\$0.00	\$83.30
	12/1/2027	\$56.10	\$9.90	\$9.25	\$9.65	\$0.00	\$84.90
	6/1/2028	\$57.78	\$9.90	\$9.25	\$9.65	\$0.00	\$86.58
	12/1/2028	\$59.45	\$9.90	\$9.25	\$9.65	\$0.00	\$88.25
For apprentice rates see "Apprentice- LABORER"							
AIR TRACK OPERATOR (HEAVY & HIGHWAY) LABORERS	12/1/2024	\$46.95	\$9.90	\$9.25	\$9.65	\$0.00	\$75.75
	6/1/2025	\$48.45	\$9.90	\$9.25	\$9.65	\$0.00	\$77.25
	12/1/2025	\$49.95	\$9.90	\$9.25	\$9.65	\$0.00	\$78.75
	6/1/2026	\$51.50	\$9.90	\$9.25	\$9.65	\$0.00	\$80.30
	12/1/2026	\$53.00	\$9.90	\$9.25	\$9.65	\$0.00	\$81.80
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"							
ASBESTOS REMOVER - PIPE / MECH. EQUIPT. HEAT & FROST INSULATORS LOCAL 6	12/1/2024	\$42.80	\$14.50	\$4.30	\$6.75	\$0.00	\$68.35
	6/1/2025	\$43.80	\$14.50	\$4.30	\$6.75	\$0.00	\$69.35
	12/1/2025	\$44.80	\$14.50	\$4.30	\$6.75	\$0.00	\$70.35

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
ASPHALT RAKER LABORERS	12/1/2024	\$46.35	\$9.90	\$9.25	\$9.65	\$0.00	\$75.15
	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75
For apprentice rates see "Apprentice- LABORER"							
ASPHALT RAKER (HEAVY & HIGHWAY) LABORERS	12/1/2024	\$46.45	\$9.90	\$9.25	\$9.65	\$0.00	\$75.25
	6/1/2025	\$47.95	\$9.90	\$9.25	\$9.65	\$0.00	\$76.75
	12/1/2025	\$49.45	\$9.90	\$9.25	\$9.65	\$0.00	\$78.25
	6/1/2026	\$51.00	\$9.90	\$9.25	\$9.65	\$0.00	\$79.80
	12/1/2026	\$52.50	\$9.90	\$9.25	\$9.65	\$0.00	\$81.30
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"							
ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE OPERATING ENGINEERS LOCAL 4	12/1/2024	\$57.03	\$15.55	\$13.25	\$3.25	\$0.00	\$89.08
	6/1/2025	\$58.33	\$15.55	\$13.25	\$3.25	\$0.00	\$90.38
	12/1/2025	\$59.78	\$15.55	\$13.25	\$3.25	\$0.00	\$91.83
	6/1/2026	\$61.08	\$15.55	\$13.25	\$3.25	\$0.00	\$93.13
	12/1/2026	\$62.53	\$15.55	\$13.25	\$3.25	\$0.00	\$94.58
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
BACKHOE/FRONT-END LOADER OPERATING ENGINEERS LOCAL 4	12/1/2024	\$57.03	\$15.55	\$13.25	\$3.25	\$0.00	\$89.08
	6/1/2025	\$58.33	\$15.55	\$13.25	\$3.25	\$0.00	\$90.38
	12/1/2025	\$59.78	\$15.55	\$13.25	\$3.25	\$0.00	\$91.83
	6/1/2026	\$61.08	\$15.55	\$13.25	\$3.25	\$0.00	\$93.13
	12/1/2026	\$62.53	\$15.55	\$13.25	\$3.25	\$0.00	\$94.58
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
BARCO-TYPE JUMPING TAMPER LABORERS	12/1/2024	\$46.35	\$9.90	\$9.25	\$9.65	\$0.00	\$75.15
	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75
For apprentice rates see "Apprentice- LABORER"							
BLOCK PAVER, RAMMER / CURB SETTER LABORERS	12/1/2024	\$46.85	\$9.90	\$9.25	\$9.65	\$0.00	\$75.65
	6/1/2025	\$48.35	\$9.90	\$9.25	\$9.65	\$0.00	\$77.15
	12/1/2025	\$49.85	\$9.90	\$9.25	\$9.65	\$0.00	\$78.65
	6/1/2026	\$50.65	\$9.90	\$9.25	\$9.65	\$0.00	\$79.45
	12/1/2026	\$52.90	\$9.90	\$9.25	\$9.65	\$0.00	\$81.70
	6/1/2027	\$54.50	\$9.90	\$9.25	\$9.65	\$0.00	\$83.30
	12/1/2027	\$56.10	\$9.90	\$9.25	\$9.65	\$0.00	\$84.90

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
	6/1/2028	\$57.78	\$9.90	\$9.25	\$9.65	\$0.00	\$86.58
	12/1/2028	\$59.45	\$9.90	\$9.25	\$9.65	\$0.00	\$88.25

For apprentice rates see "Apprentice- LABORER"

BLOCK PAVER, RAMMER / CURB SETTER (HEAVY & HIGHWAY)	12/1/2024	\$46.95	\$9.90	\$9.25	\$9.65	\$0.00	\$75.75
LABORERS	6/1/2025	\$48.45	\$9.90	\$9.25	\$9.65	\$0.00	\$77.25
	12/1/2025	\$49.95	\$9.90	\$9.25	\$9.65	\$0.00	\$78.75
	6/1/2026	\$51.50	\$9.90	\$9.25	\$9.65	\$0.00	\$80.30
	12/1/2026	\$53.00	\$9.90	\$9.25	\$9.65	\$0.00	\$81.80

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

BOILER MAKER	1/1/2024	\$48.12	\$7.07	\$14.60	\$6.00	\$0.00	\$75.79
BOILERMAKERS LOCAL 29							

Apprentice: BOILER MAKER**Effective Date: 1/1/2024**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	65.00	\$31.28	\$7.07	\$9.32	\$3.90	\$0.00	\$51.57
2	65.00	\$31.28	\$7.07	\$9.32	\$3.90	\$0.00	\$51.57
3	70.00	\$33.68	\$7.07	\$10.03	\$4.20	\$0.00	\$54.98
4	75.00	\$36.09	\$7.07	\$10.74	\$4.50	\$0.00	\$58.40
5	80.00	\$38.50	\$7.07	\$11.45	\$4.80	\$0.00	\$61.82
6	85.00	\$40.90	\$7.07	\$12.18	\$5.10	\$0.00	\$65.25
7	90.00	\$43.31	\$7.07	\$12.88	\$5.40	\$0.00	\$68.66
8	95.00	\$45.71	\$7.07	\$13.62	\$5.70	\$0.00	\$72.10

BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING)	2/1/2025	\$65.80	\$11.49	\$15.57	\$8.02	\$0.00	\$100.88
BRICKLAYERS LOCAL 3	8/1/2025	\$67.95	\$11.49	\$15.57	\$8.02	\$0.00	\$103.03
	2/1/2026	\$69.30	\$11.49	\$15.57	\$8.02	\$0.00	\$104.38
	8/1/2026	\$71.50	\$11.49	\$15.57	\$8.02	\$0.00	\$106.58
	2/1/2027	\$72.90	\$11.49	\$15.57	\$8.02	\$0.00	\$107.98

Apprentice: BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING)**Effective Date: 2/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$32.90	\$11.49	\$15.57	\$8.02	\$0.00	\$67.98
2	60.00	\$39.48	\$11.49	\$15.57	\$8.02	\$0.00	\$74.56
3	70.00	\$46.06	\$11.49	\$15.57	\$8.02	\$0.00	\$81.14
4	80.00	\$52.64	\$11.49	\$15.57	\$8.02	\$0.00	\$87.72
5	90.00	\$59.22	\$11.49	\$15.57	\$8.02	\$0.00	\$94.30

Apprentice: BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING)**Effective Date: 8/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate																																																
<div>Apprentice: BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING)</div> <div>Effective Date: 8/1/2025</div> <table><thead><tr><th>Step</th><th>Percent</th><th>Apprentice Base Wage</th><th>Health</th><th>Pension</th><th>Annuity</th><th>Supplemental Unemployment</th><th>Total Rate</th></tr></thead><tbody><tr><td>1</td><td>50.00</td><td>\$33.98</td><td>\$11.49</td><td>\$15.57</td><td>\$8.02</td><td>\$0.00</td><td>\$69.06</td></tr><tr><td>2</td><td>60.00</td><td>\$40.77</td><td>\$11.49</td><td>\$15.57</td><td>\$8.02</td><td>\$0.00</td><td>\$75.85</td></tr><tr><td>3</td><td>70.00</td><td>\$47.57</td><td>\$11.49</td><td>\$15.57</td><td>\$8.02</td><td>\$0.00</td><td>\$82.65</td></tr><tr><td>4</td><td>80.00</td><td>\$54.36</td><td>\$11.49</td><td>\$15.57</td><td>\$8.02</td><td>\$0.00</td><td>\$89.44</td></tr><tr><td>5</td><td>90.00</td><td>\$61.16</td><td>\$11.49</td><td>\$15.57</td><td>\$8.02</td><td>\$0.00</td><td>\$96.24</td></tr></tbody></table>								Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate	1	50.00	\$33.98	\$11.49	\$15.57	\$8.02	\$0.00	\$69.06	2	60.00	\$40.77	\$11.49	\$15.57	\$8.02	\$0.00	\$75.85	3	70.00	\$47.57	\$11.49	\$15.57	\$8.02	\$0.00	\$82.65	4	80.00	\$54.36	\$11.49	\$15.57	\$8.02	\$0.00	\$89.44	5	90.00	\$61.16	\$11.49	\$15.57	\$8.02	\$0.00	\$96.24
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate																																																
1	50.00	\$33.98	\$11.49	\$15.57	\$8.02	\$0.00	\$69.06																																																
2	60.00	\$40.77	\$11.49	\$15.57	\$8.02	\$0.00	\$75.85																																																
3	70.00	\$47.57	\$11.49	\$15.57	\$8.02	\$0.00	\$82.65																																																
4	80.00	\$54.36	\$11.49	\$15.57	\$8.02	\$0.00	\$89.44																																																
5	90.00	\$61.16	\$11.49	\$15.57	\$8.02	\$0.00	\$96.24																																																
BULLDOZER/GRADER/SCRAPER OPERATING ENGINEERS LOCAL 4	12/1/2024	\$56.40	\$15.55	\$13.25	\$3.25	\$0.00	\$88.45																																																
	6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$0.00	\$89.73																																																
	12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$0.00	\$91.17																																																
	6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$0.00	\$92.45																																																
	12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$0.00	\$93.89																																																
For apprentice rates see "Apprentice- OPERATING ENGINEERS"																																																							
CAISSON & UNDERPINNING BOTTOM MAN LABORERS	12/1/2024	\$47.35	\$9.90	\$9.25	\$9.80	\$0.00	\$76.30																																																
	6/1/2025	\$48.85	\$9.90	\$9.25	\$9.80	\$0.00	\$77.80																																																
	12/1/2025	\$50.35	\$9.90	\$9.25	\$9.80	\$0.00	\$79.30																																																
	6/1/2026	\$51.90	\$9.90	\$9.25	\$9.80	\$0.00	\$80.85																																																
	12/1/2026	\$53.40	\$9.90	\$9.25	\$9.80	\$0.00	\$82.35																																																
For apprentice rates see "Apprentice- LABORER"																																																							
CAISSON & UNDERPINNING LABORER LABORERS	12/1/2024	\$46.20	\$9.90	\$9.25	\$9.80	\$0.00	\$75.15																																																
	6/1/2025	\$47.70	\$9.90	\$9.25	\$9.80	\$0.00	\$76.65																																																
	12/1/2025	\$49.20	\$9.90	\$9.25	\$9.80	\$0.00	\$78.15																																																
	6/1/2026	\$50.75	\$9.90	\$9.25	\$9.80	\$0.00	\$79.70																																																
	12/1/2026	\$52.25	\$9.90	\$9.25	\$9.80	\$0.00	\$81.20																																																
For apprentice rates see "Apprentice- LABORER"																																																							
CAISSON & UNDERPINNING TOP MAN LABORERS	12/1/2024	\$46.53	\$9.90	\$9.25	\$9.80	\$0.00	\$75.48																																																
	6/1/2025	\$48.03	\$9.90	\$9.25	\$9.80	\$0.00	\$76.98																																																
	12/1/2025	\$49.53	\$9.90	\$9.25	\$9.80	\$0.00	\$78.48																																																
	6/1/2026	\$51.08	\$9.90	\$9.25	\$9.80	\$0.00	\$80.03																																																
	12/1/2026	\$52.58	\$9.90	\$9.25	\$9.80	\$0.00	\$81.53																																																
For apprentice rates see "Apprentice- LABORER"																																																							
CARBIDE CORE DRILL OPERATOR LABORERS	12/1/2024	\$46.35	\$9.90	\$9.25	\$9.65	\$0.00	\$75.15																																																
	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65																																																
	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15																																																
	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70																																																
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20																																																
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80																																																
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40																																																
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08																																																
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75																																																
For apprentice rates see "Apprentice- LABORER"																																																							

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
CARPENTER	3/1/2025	\$60.46	\$9.83	\$11.47	\$8.50	\$0.00	\$90.26
CARPENTERS	9/1/2025	\$61.96	\$9.83	\$11.47	\$8.50	\$0.00	\$91.76
	3/1/2026	\$63.46	\$9.83	\$11.47	\$8.50	\$0.00	\$93.26
	9/1/2026	\$64.96	\$9.83	\$11.47	\$8.50	\$0.00	\$94.76
	3/1/2027	\$66.46	\$9.83	\$11.47	\$8.50	\$0.00	\$96.26

Apprentice: CARPENTER							
Effective Date: 3/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	45.00	\$27.21	\$9.83	\$0.00	\$1.73	\$0.00	\$38.77
2	45.00	\$27.21	\$9.83	\$0.00	\$1.73	\$0.00	\$38.77
3	55.00	\$33.25	\$9.83	\$0.00	\$3.40	\$0.00	\$46.48
4	55.00	\$33.25	\$9.83	\$0.00	\$3.40	\$0.00	\$46.48
5	70.00	\$42.32	\$9.83	\$11.41	\$5.10	\$0.00	\$68.66
6	70.00	\$42.32	\$9.83	\$11.41	\$5.10	\$0.00	\$68.66
7	80.00	\$48.37	\$9.83	\$11.44	\$6.80	\$0.00	\$76.44
8	80.00	\$48.37	\$9.83	\$11.44	\$6.80	\$0.00	\$76.44

Apprentice: CARPENTER							
Effective Date: 9/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	45.00	\$27.88	\$9.83	\$0.00	\$1.73	\$0.00	\$39.44
2	45.00	\$27.88	\$9.83	\$0.00	\$1.73	\$0.00	\$39.44
3	55.00	\$34.08	\$9.83	\$0.00	\$3.40	\$0.00	\$47.31
4	55.00	\$34.08	\$9.83	\$0.00	\$3.40	\$0.00	\$47.31
5	70.00	\$43.37	\$9.83	\$11.41	\$5.10	\$0.00	\$69.71
6	70.00	\$43.37	\$9.83	\$11.41	\$5.10	\$0.00	\$69.71
7	80.00	\$49.57	\$9.83	\$11.44	\$6.80	\$0.00	\$77.64
8	80.00	\$49.57	\$9.83	\$11.44	\$6.80	\$0.00	\$77.64

CARPENTER WOOD FRAME	4/1/2025	\$38.54	\$7.56	\$4.47	\$5.00	\$0.00	\$55.57
CARPENTERS	10/1/2025	\$39.34	\$7.56	\$4.47	\$5.00	\$0.00	\$56.37
	4/1/2026	\$40.14	\$7.56	\$4.47	\$5.00	\$0.00	\$57.17
	10/1/2026	\$40.94	\$7.56	\$4.47	\$5.00	\$0.00	\$57.97
	4/1/2027	\$41.74	\$7.56	\$4.47	\$5.00	\$0.00	\$58.77

All Aspects of New Wood Frame Work

Apprentice: CARPENTER WOOD FRAME							
Effective Date: 4/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$19.27	\$7.56	\$0.00	\$0.00	\$0.00	\$26.83
2	50.00	\$19.27	\$7.56	\$0.00	\$0.00	\$0.00	\$26.83
3	55.00	\$21.20	\$7.56	\$0.00	\$2.00	\$0.00	\$30.76

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: CARPENTER WOOD FRAME Effective Date: 4/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
4	55.00	\$21.20	\$7.56	\$0.00	\$2.00	\$0.00	\$30.76
5	70.00	\$26.98	\$7.56	\$4.47	\$3.00	\$0.00	\$42.01
6	70.00	\$26.98	\$7.56	\$4.47	\$3.00	\$0.00	\$42.01
7	80.00	\$30.83	\$7.56	\$4.47	\$4.00	\$0.00	\$46.86
8	80.00	\$30.83	\$7.56	\$4.47	\$4.00	\$0.00	\$46.86
Apprentice: CARPENTER WOOD FRAME Effective Date: 10/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$19.67	\$7.56	\$0.00	\$0.00	\$0.00	\$27.23
2	50.00	\$19.67	\$7.56	\$0.00	\$0.00	\$0.00	\$27.23
3	55.00	\$21.64	\$7.56	\$0.00	\$2.00	\$0.00	\$31.20
4	55.00	\$21.64	\$7.56	\$0.00	\$2.00	\$0.00	\$31.20
5	70.00	\$27.54	\$7.56	\$4.47	\$3.00	\$0.00	\$42.57
6	70.00	\$27.54	\$7.56	\$4.47	\$3.00	\$0.00	\$42.57
7	80.00	\$31.47	\$7.56	\$4.47	\$4.00	\$0.00	\$47.50
8	80.00	\$31.47	\$7.56	\$4.47	\$4.00	\$0.00	\$47.50
CEMENT MASONRY/PLASTERING BRICKLAYERS LOCAL 3	7/1/2024	\$49.19	\$13.35	\$16.43	\$7.78	\$1.80	\$88.55
Apprentice: CEMENT MASONRY/PLASTERING Effective Date: 7/1/2024							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$24.60	\$13.35	\$16.43	\$0.00	\$0.00	\$54.38
2	60.00	\$29.51	\$13.35	\$16.43	\$2.78	\$1.80	\$63.87
3	65.00	\$31.97	\$13.35	\$16.43	\$3.78	\$1.80	\$67.33
4	70.00	\$34.43	\$13.35	\$16.43	\$4.78	\$1.80	\$70.79
5	75.00	\$36.89	\$13.35	\$16.43	\$5.78	\$1.80	\$74.25
6	80.00	\$39.35	\$13.35	\$16.43	\$6.78	\$1.80	\$77.71
7	90.00	\$44.27	\$13.35	\$16.43	\$7.78	\$1.80	\$83.63
CHAIN SAW OPERATOR LABORERS	12/1/2024	\$46.35	\$9.90	\$9.25	\$9.65	\$0.00	\$75.15
	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75

For apprentice rates see "Apprentice- LABORER"

CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES OPERATING ENGINEERS LOCAL 4	12/1/2024	\$58.18	\$15.55	\$13.25	\$3.25	\$0.00	\$90.23
	6/1/2025	\$59.51	\$15.55	\$13.25	\$3.25	\$0.00	\$91.56
	12/1/2025	\$60.98	\$15.55	\$13.25	\$3.25	\$0.00	\$93.03
	6/1/2026	\$62.31	\$15.55	\$13.25	\$3.25	\$0.00	\$94.36
	12/1/2026	\$63.79	\$15.55	\$13.25	\$3.25	\$0.00	\$95.84

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

COMPRESSOR OPERATOR OPERATING ENGINEERS LOCAL 4	12/1/2024	\$36.67	\$15.55	\$13.25	\$3.25	\$0.00	\$68.72
	6/1/2025	\$37.52	\$15.55	\$13.25	\$3.25	\$0.00	\$69.57
	12/1/2025	\$38.47	\$15.55	\$13.25	\$3.25	\$0.00	\$70.52
	6/1/2026	\$39.33	\$15.55	\$13.25	\$3.25	\$0.00	\$71.38
	12/1/2026	\$40.28	\$15.55	\$13.25	\$3.25	\$0.00	\$72.33

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

DELEADER (BRIDGE) PAINTERS LOCAL 35	1/1/2025	\$58.46	\$9.95	\$11.85	\$12.10	\$0.00	\$92.36
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Apprentice: DELEADER (BRIDGE)

Effective Date: 1/1/2025

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$29.23	\$9.95	\$0.00	\$0.00	\$0.00	\$39.18
2	55.00	\$32.15	\$9.95	\$0.00	\$6.66	\$0.00	\$48.76
3	60.00	\$35.08	\$9.95	\$0.00	\$7.26	\$0.00	\$52.29
4	65.00	\$38.00	\$9.95	\$0.00	\$7.87	\$0.00	\$55.82
5	70.00	\$40.92	\$9.95	\$11.85	\$8.47	\$0.00	\$71.19
6	75.00	\$43.85	\$9.95	\$11.85	\$9.08	\$0.00	\$74.73
7	80.00	\$46.77	\$9.95	\$11.85	\$9.68	\$0.00	\$78.25
8	90.00	\$52.61	\$9.95	\$11.85	\$10.89	\$0.00	\$85.30

DEMO: ADZEMAN LABORERS	12/2/2024	\$46.25	\$9.90	\$9.25	\$9.65	\$0.00	\$75.05
	6/2/2025	\$47.75	\$9.90	\$9.25	\$9.65	\$0.00	\$76.55
	12/1/2025	\$49.25	\$9.90	\$9.25	\$9.65	\$0.00	\$78.05
	6/1/2026	\$50.80	\$9.90	\$9.25	\$9.65	\$0.00	\$79.60
	12/7/2026	\$52.30	\$9.90	\$9.25	\$9.65	\$0.00	\$81.10
	6/7/2027	\$53.90	\$9.90	\$9.25	\$9.65	\$0.00	\$82.70
	12/6/2027	\$55.50	\$9.90	\$9.25	\$9.65	\$0.00	\$84.30
	6/5/2028	\$57.18	\$9.90	\$9.25	\$9.65	\$0.00	\$85.98
	12/4/2028	\$58.85	\$9.90	\$9.25	\$9.65	\$0.00	\$87.65

For apprentice rates see "Apprentice- LABORER"

DEMO: BACKHOE/LOADER/HAMMER OPERATOR LABORERS	12/2/2024	\$47.25	\$9.90	\$9.25	\$9.65	\$0.00	\$76.05
	6/2/2025	\$48.75	\$9.90	\$9.25	\$9.65	\$0.00	\$77.55
	12/1/2025	\$50.25	\$9.90	\$9.25	\$9.65	\$0.00	\$79.05
	6/1/2026	\$51.80	\$9.90	\$9.25	\$9.65	\$0.00	\$80.60
	12/7/2026	\$53.30	\$9.90	\$9.25	\$9.65	\$0.00	\$82.10

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
	6/7/2027	\$54.90	\$9.90	\$9.25	\$9.65	\$0.00	\$83.70
	12/6/2027	\$56.50	\$9.90	\$9.25	\$9.65	\$0.00	\$85.30
	6/5/2028	\$58.18	\$9.90	\$9.25	\$9.65	\$0.00	\$86.98
	12/4/2028	\$59.85	\$9.90	\$9.25	\$9.65	\$0.00	\$88.65
For apprentice rates see "Apprentice- LABORER"							
DEMO: BURNERS LABORERS	12/2/2024	\$47.00	\$9.90	\$9.25	\$9.65	\$0.00	\$75.80
	6/2/2025	\$48.50	\$9.90	\$9.25	\$9.65	\$0.00	\$77.30
	12/1/2025	\$50.00	\$9.90	\$9.25	\$9.65	\$0.00	\$78.80
	6/1/2026	\$51.55	\$9.90	\$9.25	\$9.65	\$0.00	\$80.35
	12/7/2026	\$53.05	\$9.90	\$9.25	\$9.65	\$0.00	\$81.85
	6/7/2027	\$54.65	\$9.90	\$9.25	\$9.65	\$0.00	\$83.45
	12/6/2027	\$56.25	\$9.90	\$9.25	\$9.65	\$0.00	\$85.05
	6/5/2028	\$57.93	\$9.90	\$9.25	\$9.65	\$0.00	\$86.73
For apprentice rates see "Apprentice- LABORER"							
DEMO: CONCRETE CUTTER/SAWYER LABORERS	12/2/2024	\$47.25	\$9.90	\$9.25	\$9.65	\$0.00	\$76.05
	6/2/2025	\$48.75	\$9.90	\$9.25	\$9.65	\$0.00	\$77.55
	12/1/2025	\$50.25	\$9.90	\$9.25	\$9.65	\$0.00	\$79.05
	6/1/2026	\$51.80	\$9.90	\$9.25	\$9.65	\$0.00	\$80.60
	12/7/2026	\$53.30	\$9.90	\$9.25	\$9.65	\$0.00	\$82.10
	6/7/2027	\$54.90	\$9.90	\$9.25	\$9.65	\$0.00	\$83.70
	12/6/2027	\$56.50	\$9.90	\$9.25	\$9.65	\$0.00	\$85.30
	6/5/2028	\$58.18	\$9.90	\$9.25	\$9.65	\$0.00	\$86.98
For apprentice rates see "Apprentice- LABORER"							
DEMO: JACKHAMMER OPERATOR LABORERS	12/2/2024	\$47.00	\$9.90	\$9.25	\$9.65	\$0.00	\$75.80
	6/2/2025	\$48.50	\$9.90	\$9.25	\$9.65	\$0.00	\$77.30
	12/1/2025	\$50.00	\$9.90	\$9.25	\$9.65	\$0.00	\$78.80
	6/1/2026	\$51.55	\$9.90	\$9.25	\$9.65	\$0.00	\$80.35
	12/7/2026	\$53.05	\$9.90	\$9.25	\$9.65	\$0.00	\$81.85
	6/7/2027	\$54.65	\$9.90	\$9.25	\$9.65	\$0.00	\$83.45
	12/6/2027	\$56.25	\$9.90	\$9.25	\$9.65	\$0.00	\$85.05
	6/5/2028	\$57.93	\$9.90	\$9.25	\$9.65	\$0.00	\$86.73
For apprentice rates see "Apprentice- LABORER"							
DEMO: WRECKING LABORER LABORERS	12/2/2024	\$46.25	\$9.90	\$9.25	\$9.65	\$0.00	\$75.05
	6/2/2025	\$47.75	\$9.90	\$9.25	\$9.65	\$0.00	\$76.55
	12/1/2025	\$49.25	\$9.90	\$9.25	\$9.65	\$0.00	\$78.05
	6/1/2026	\$50.80	\$9.90	\$9.25	\$9.65	\$0.00	\$79.60
	12/7/2026	\$52.30	\$9.90	\$9.25	\$9.65	\$0.00	\$81.10
	6/7/2027	\$53.90	\$9.90	\$9.25	\$9.65	\$0.00	\$82.70
	12/6/2027	\$55.50	\$9.90	\$9.25	\$9.65	\$0.00	\$84.30
	6/5/2028	\$57.18	\$9.90	\$9.25	\$9.65	\$0.00	\$85.98
For apprentice rates see "Apprentice- LABORER"							
DIRECTIONAL DRILL MACHINE OPERATOR	12/1/2024	\$56.40	\$15.55	\$13.25	\$3.25	\$0.00	\$88.45

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
OPERATING ENGINEERS LOCAL 4	6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$0.00	\$89.73
	12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$0.00	\$91.17
	6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$0.00	\$92.45
	12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$0.00	\$93.89

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

DIVER PILE DRIVER LOCAL 56	8/1/2024	\$78.11	\$10.08	\$11.62	\$10.04	\$0.00	\$109.85
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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 PILE DRIVER LOCAL 56	8/1/2024	\$55.79	\$10.08	\$11.62	\$12.67	\$0.00	\$90.16
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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) PILE DRIVER LOCAL 56	8/1/2024	\$83.69	\$10.08	\$11.62	\$12.67	\$0.00	\$118.06
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For apprentice rates see "Apprentice- PILE DRIVER"

DIVER/SLURRY (EFFLUENT) PILE DRIVER LOCAL 56	8/1/2024	\$117.16	\$10.08	\$11.62	\$12.67	\$0.00	\$151.53
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For apprentice rates see "Apprentice- PILE DRIVER"

DRAWBRIDGE OPERATOR (Construction) DRAWBRIDGE - SEIU LOCAL 888	7/1/2020	\$26.77	\$6.67	\$3.93	\$0.00	\$0.16	\$37.53
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ELECTRICIAN ELECTRICIANS LOCAL 103	3/1/2025	\$64.26	\$13.00	\$14.31	\$8.72	\$0.00	\$100.29
	9/1/2025	\$66.17	\$13.00	\$14.37	\$8.72	\$0.00	\$102.26
	3/1/2026	\$67.37	\$13.00	\$14.40	\$8.72	\$0.00	\$103.49
	9/1/2026	\$69.28	\$13.00	\$14.46	\$8.72	\$0.00	\$105.46
	3/1/2027	\$70.47	\$13.00	\$14.49	\$8.72	\$0.00	\$106.68
	9/1/2027	\$72.39	\$13.00	\$14.55	\$8.72	\$0.00	\$108.66
	3/1/2028	\$73.59	\$13.00	\$14.59	\$8.72	\$0.00	\$109.90

Apprentice: ELECTRICIAN**Effective Date: 3/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	40.00	\$25.70	\$13.00	\$0.77	\$0.00	\$0.00	\$39.47
2	40.00	\$25.70	\$13.00	\$0.77	\$0.00	\$0.00	\$39.47
3	45.00	\$28.92	\$13.00	\$13.25	\$3.92	\$0.00	\$59.09
4	45.00	\$28.92	\$13.00	\$13.25	\$3.92	\$0.00	\$59.09
5	50.00	\$32.13	\$13.00	\$13.34	\$4.36	\$0.00	\$62.83
6	55.00	\$35.34	\$13.00	\$13.44	\$4.80	\$0.00	\$66.58
7	60.00	\$38.56	\$13.00	\$13.54	\$5.23	\$0.00	\$70.33
8	65.00	\$41.77	\$13.00	\$13.63	\$5.67	\$0.00	\$74.07
9	70.00	\$44.98	\$13.00	\$13.73	\$6.10	\$0.00	\$77.81
10	75.00	\$48.20	\$13.00	\$13.83	\$6.54	\$0.00	\$81.57

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: ELECTRICIAN Effective Date: 9/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	40.00	\$26.47	\$13.00	\$0.79	\$0.00	\$0.00	\$40.26
2	40.00	\$26.47	\$13.00	\$0.79	\$0.00	\$0.00	\$40.26
3	45.00	\$29.78	\$13.00	\$13.27	\$3.92	\$0.00	\$59.97
4	45.00	\$29.78	\$13.00	\$13.27	\$3.92	\$0.00	\$59.97
5	50.00	\$33.09	\$13.00	\$13.37	\$4.36	\$0.00	\$63.82
6	55.00	\$36.39	\$13.00	\$13.47	\$4.80	\$0.00	\$67.66
7	60.00	\$39.70	\$13.00	\$13.57	\$5.23	\$0.00	\$71.50
8	65.00	\$43.01	\$13.00	\$13.67	\$5.67	\$0.00	\$75.35
9	70.00	\$46.32	\$13.00	\$13.77	\$6.10	\$0.00	\$79.19
10	75.00	\$49.63	\$13.00	\$13.87	\$6.54	\$0.00	\$83.04
ELEVATOR CONSTRUCTOR ELEVATOR CONSTRUCTORS LOCAL 4	1/1/2022	\$65.62	\$16.03	\$10.71	\$9.50	\$0.00	\$101.86
Apprentice: ELEVATOR CONSTRUCTOR Effective Date: 1/1/2022							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$32.81	\$16.03	\$0.00	\$0.00	\$0.00	\$48.84
2	55.00	\$36.09	\$16.03	\$10.71	\$9.50	\$0.00	\$72.33
3	65.00	\$42.65	\$16.03	\$10.71	\$9.50	\$0.00	\$78.89
4	70.00	\$45.93	\$16.03	\$10.71	\$9.50	\$0.00	\$82.17
5	80.00	\$52.50	\$16.03	\$10.71	\$9.50	\$0.00	\$88.74
ELEVATOR CONSTRUCTOR HELPER ELEVATOR CONSTRUCTORS LOCAL 4	1/1/2022	\$45.93	\$16.03	\$10.71	\$9.50	\$0.00	\$82.17
For apprentice rates see "Apprentice - ELEVATOR CONSTRUCTOR"							
FENCE & GUARD RAIL ERECTOR (HEAVY & HIGHWAY) LABORERS	12/1/2024	\$46.45	\$9.90	\$9.25	\$9.65	\$0.00	\$75.25
	6/1/2025	\$47.95	\$9.90	\$9.25	\$9.65	\$0.00	\$76.75
	12/1/2025	\$49.45	\$9.90	\$9.25	\$9.65	\$0.00	\$78.25
	6/1/2026	\$51.00	\$9.90	\$9.25	\$9.65	\$0.00	\$79.80
	12/1/2026	\$52.50	\$9.90	\$9.25	\$9.65	\$0.00	\$81.30
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"							
FIELD ENG.INST.PERSON-BLDG,SITE,HVY/HWY OPERATING ENGINEERS LOCAL 4	5/1/2025	\$53.22	\$15.30	\$13.15	\$3.25	\$0.00	\$84.92
	11/1/2025	\$54.51	\$15.30	\$13.15	\$3.25	\$0.00	\$86.21
	5/1/2026	\$55.95	\$15.30	\$13.15	\$3.25	\$0.00	\$87.65
	11/1/2026	\$57.24	\$15.30	\$13.15	\$3.25	\$0.00	\$88.94
	5/1/2027	\$58.67	\$15.30	\$13.15	\$3.25	\$0.00	\$90.37
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
FIELD ENG.PARTY CHIEF-BLDG,SITE,HVY/HWY	5/1/2025	\$54.82	\$15.30	\$13.15	\$3.25	\$0.00	\$86.52

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
OPERATING ENGINEERS LOCAL 4	11/1/2025	\$56.12	\$15.30	\$13.15	\$3.25	\$0.00	\$87.82
	5/1/2026	\$57.57	\$15.30	\$13.15	\$3.25	\$0.00	\$89.27
	11/1/2026	\$58.87	\$15.30	\$13.15	\$3.25	\$0.00	\$90.57
	5/1/2027	\$60.32	\$15.30	\$13.15	\$3.25	\$0.00	\$92.02
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
FIELD ENG.ROD PERSON-BLDG,SITE,HVY/HWY OPERATING ENGINEERS LOCAL 4	5/1/2025	\$26.22	\$15.30	\$13.15	\$3.25	\$0.00	\$57.92
	11/1/2025	\$26.98	\$15.30	\$13.15	\$3.25	\$0.00	\$58.68
	5/1/2026	\$27.83	\$15.30	\$13.15	\$3.25	\$0.00	\$59.53
	11/1/2026	\$28.59	\$15.30	\$13.15	\$3.25	\$0.00	\$60.29
	5/1/2027	\$29.44	\$15.30	\$13.15	\$3.25	\$0.00	\$61.14
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
FIRE ALARM INSTALLER ELECTRICIANS LOCAL 103	3/1/2025	\$64.26	\$13.00	\$14.31	\$8.72	\$0.00	\$100.29
	9/1/2025	\$66.17	\$13.00	\$14.37	\$8.72	\$0.00	\$102.26
	3/1/2026	\$67.37	\$13.00	\$14.40	\$8.72	\$0.00	\$103.49
	9/1/2026	\$69.28	\$13.00	\$14.46	\$8.72	\$0.00	\$105.46
	3/1/2027	\$70.47	\$13.00	\$14.49	\$8.72	\$0.00	\$106.68
	9/1/2027	\$72.39	\$13.00	\$14.55	\$8.72	\$0.00	\$108.66
	3/1/2028	\$73.59	\$13.00	\$14.59	\$8.72	\$0.00	\$109.90
For apprentice rates see "Apprentice- ELECTRICIAN"							
FIRE ALARM REPAIR / MAINTENANCE / COMMISSIONING ELECTRICIANS LOCAL 103	3/1/2025	\$51.41	\$13.00	\$13.92	\$6.98	\$0.00	\$85.31
	9/1/2025	\$52.94	\$13.00	\$13.97	\$6.98	\$0.00	\$86.89
	3/1/2026	\$53.90	\$13.00	\$14.00	\$6.98	\$0.00	\$87.88
	9/1/2026	\$55.42	\$13.00	\$14.04	\$6.98	\$0.00	\$89.44
	3/1/2027	\$56.38	\$13.00	\$14.07	\$6.98	\$0.00	\$90.43
	9/1/2027	\$57.91	\$13.00	\$14.12	\$6.98	\$0.00	\$92.01
	3/1/2028	\$58.87	\$13.00	\$14.15	\$6.98	\$0.00	\$93.00
For apprentice rates see "Apprentice- TELECOMMUNICATIONS TECHNICIAN"							
FIREMAN (ASST. ENGINEER) OPERATING ENGINEERS LOCAL 4	12/1/2024	\$45.96	\$15.55	\$13.25	\$3.25	\$0.00	\$78.01
	6/1/2025	\$47.02	\$15.55	\$13.25	\$3.25	\$0.00	\$79.07
	12/1/2025	\$48.19	\$15.55	\$13.25	\$3.25	\$0.00	\$80.24
	6/1/2026	\$49.25	\$15.55	\$13.25	\$3.25	\$0.00	\$81.30
	12/1/2026	\$50.43	\$15.55	\$13.25	\$3.25	\$0.00	\$82.48
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
FLAGGER & SIGNALER (HEAVY & HIGHWAY) LABORERS	12/1/2024	\$27.01	\$9.90	\$9.25	\$9.65	\$0.00	\$55.81
	6/1/2025	\$28.09	\$9.90	\$9.25	\$9.65	\$0.00	\$56.89
	12/1/2025	\$28.09	\$9.90	\$9.25	\$9.65	\$0.00	\$56.89
	6/1/2026	\$29.21	\$9.90	\$9.25	\$9.65	\$0.00	\$58.01
	12/1/2026	\$29.21	\$9.90	\$9.25	\$9.65	\$0.00	\$58.01
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"							
FLOORCOVERER FLOORCOVERERS LOCAL 2168	3/1/2025	\$57.73	\$8.83	\$11.47	\$8.80	\$0.00	\$86.83
	9/1/2025	\$59.23	\$8.83	\$11.47	\$8.80	\$0.00	\$88.33
	3/1/2026	\$60.73	\$8.83	\$11.47	\$8.80	\$0.00	\$89.83
	9/1/2026	\$62.23	\$8.83	\$11.47	\$8.80	\$0.00	\$91.33
	3/1/2027	\$63.73	\$8.83	\$11.47	\$8.80	\$0.00	\$92.83

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: FLOORCOVERER Effective Date: 3/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	45.00	\$25.98	\$8.83	\$0.00	\$1.76	\$0.00	\$36.57
2	45.00	\$25.98	\$8.83	\$0.00	\$1.76	\$0.00	\$36.57
3	55.00	\$31.75	\$8.83	\$0.00	\$3.52	\$0.00	\$44.10
4	55.00	\$31.75	\$8.83	\$0.00	\$3.52	\$0.00	\$44.10
5	70.00	\$40.41	\$8.83	\$11.47	\$5.28	\$0.00	\$65.99
6	70.00	\$40.41	\$8.83	\$11.47	\$5.28	\$0.00	\$65.99
7	80.00	\$46.18	\$8.83	\$11.47	\$7.04	\$0.00	\$73.52
8	80.00	\$46.18	\$8.83	\$11.47	\$7.04	\$0.00	\$73.52
Apprentice: FLOORCOVERER Effective Date: 9/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	45.00	\$26.65	\$8.83	\$0.00	\$1.76	\$0.00	\$37.24
2	45.00	\$26.65	\$8.83	\$0.00	\$1.76	\$0.00	\$37.24
3	55.00	\$32.58	\$8.83	\$0.00	\$3.52	\$0.00	\$44.93
4	55.00	\$32.58	\$8.83	\$0.00	\$3.52	\$0.00	\$44.93
5	70.00	\$41.46	\$8.83	\$11.47	\$5.28	\$0.00	\$67.04
6	70.00	\$41.46	\$8.83	\$11.47	\$5.28	\$0.00	\$67.04
7	80.00	\$47.38	\$8.83	\$11.47	\$7.04	\$0.00	\$74.72
8	80.00	\$47.38	\$8.83	\$11.47	\$7.04	\$0.00	\$74.72
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
FORK LIFT/CHERRY PICKER OPERATING ENGINEERS LOCAL 4	12/1/2024	\$57.03	\$15.55	\$13.25	\$3.25	\$0.00	\$89.08
	6/1/2025	\$58.33	\$15.55	\$13.25	\$3.25	\$0.00	\$90.38
	12/1/2025	\$59.78	\$15.55	\$13.25	\$3.25	\$0.00	\$91.83
	6/1/2026	\$61.08	\$15.55	\$13.25	\$3.25	\$0.00	\$93.13
	12/1/2026	\$62.53	\$15.55	\$13.25	\$3.25	\$0.00	\$94.58
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
GENERATOR/LIGHTING PLANT/HEATERS OPERATING ENGINEERS LOCAL 4	12/1/2024	\$36.67	\$15.55	\$13.25	\$3.25	\$0.00	\$68.72
	6/1/2025	\$37.52	\$15.55	\$13.25	\$3.25	\$0.00	\$69.57
	12/1/2025	\$38.47	\$15.55	\$13.25	\$3.25	\$0.00	\$70.52
	6/1/2026	\$39.33	\$15.55	\$13.25	\$3.25	\$0.00	\$71.38
	12/1/2026	\$40.28	\$15.55	\$13.25	\$3.25	\$0.00	\$72.33
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS) GLAZIERS LOCAL 35	1/1/2025	\$53.75	\$9.95	\$11.85	\$12.10	\$0.00	\$87.65

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS)							
Effective Date: 1/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$26.88	\$9.95	\$0.00	\$0.00	\$0.00	\$36.83
2	55.00	\$29.56	\$9.95	\$0.00	\$6.66	\$0.00	\$46.17
3	60.00	\$32.25	\$9.95	\$0.00	\$7.26	\$0.00	\$49.46
4	65.00	\$34.94	\$9.95	\$0.00	\$7.87	\$0.00	\$52.76
5	70.00	\$37.63	\$9.95	\$11.85	\$8.47	\$0.00	\$67.90
6	75.00	\$40.31	\$9.95	\$11.85	\$9.08	\$0.00	\$71.19
7	80.00	\$43.00	\$9.95	\$11.85	\$9.68	\$0.00	\$74.48
8	90.00	\$48.38	\$9.95	\$11.85	\$10.89	\$0.00	\$81.07

HOISTING ENGINEER/CRANES/GRADALLS OPERATING ENGINEERS LOCAL 4	12/1/2024	\$57.03	\$15.55	\$13.25	\$3.25	\$0.00	\$89.08
	6/1/2025	\$58.33	\$15.55	\$13.25	\$3.25	\$0.00	\$90.38
	12/1/2025	\$59.78	\$15.55	\$13.25	\$3.25	\$0.00	\$91.83
	6/1/2026	\$61.08	\$15.55	\$13.25	\$3.25	\$0.00	\$93.13
	12/1/2026	\$62.53	\$15.55	\$13.25	\$3.25	\$0.00	\$94.58

Apprentice: HOISTING ENGINEER/CRANES/GRADALLS							
Effective Date: 12/1/2024							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	55.00	\$31.37	\$0.00	\$0.00	\$0.00	\$0.00	\$31.37
2	60.00	\$34.22	\$15.55	\$13.25	\$3.25	\$0.00	\$66.27
3	65.00	\$37.07	\$15.55	\$13.25	\$3.25	\$0.00	\$69.12
4	70.00	\$39.92	\$15.55	\$13.25	\$3.25	\$0.00	\$71.97
5	75.00	\$42.77	\$15.55	\$13.25	\$3.25	\$0.00	\$74.82
6	80.00	\$45.62	\$15.55	\$13.25	\$3.25	\$0.00	\$77.67
7	85.00	\$48.48	\$15.55	\$13.25	\$3.25	\$0.00	\$80.53
8	90.00	\$51.33	\$15.55	\$13.25	\$3.25	\$0.00	\$83.38

Apprentice: HOISTING ENGINEER/CRANES/GRADALLS							
Effective Date: 6/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	55.00	\$32.08	\$0.00	\$0.00	\$0.00	\$0.00	\$32.08
2	60.00	\$35.00	\$15.55	\$13.25	\$3.25	\$0.00	\$67.05
3	65.00	\$37.91	\$15.55	\$13.25	\$3.25	\$0.00	\$69.96
4	70.00	\$40.83	\$15.55	\$13.25	\$3.25	\$0.00	\$72.88
5	75.00	\$43.75	\$15.55	\$13.25	\$3.25	\$0.00	\$75.80
6	80.00	\$46.66	\$15.55	\$13.25	\$3.25	\$0.00	\$78.71
7	85.00	\$49.58	\$15.55	\$13.25	\$3.25	\$0.00	\$81.63
8	90.00	\$52.50	\$15.55	\$13.25	\$3.25	\$0.00	\$84.55

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
HVAC (DUCTWORK) SHEETMETAL WORKERS LOCAL 17	2/1/2025	\$59.13	\$14.91	\$18.74	\$9.53	\$2.98	\$105.29
	8/1/2025	\$60.98	\$14.91	\$18.74	\$9.53	\$2.98	\$107.14
	2/1/2026	\$62.93	\$14.91	\$18.74	\$9.53	\$2.98	\$109.09
For apprentice rates see "Apprentice- SHEET METAL WORKER"							
HVAC (ELECTRICAL CONTROLS) ELECTRICIANS LOCAL 103	3/1/2025	\$64.26	\$13.00	\$14.31	\$8.72	\$0.00	\$100.29
	9/1/2025	\$66.17	\$13.00	\$14.37	\$8.72	\$0.00	\$102.26
	3/1/2026	\$67.37	\$13.00	\$14.40	\$8.72	\$0.00	\$103.49
	9/1/2026	\$69.28	\$13.00	\$14.46	\$8.72	\$0.00	\$105.46
	3/1/2027	\$70.47	\$13.00	\$14.49	\$8.72	\$0.00	\$106.68
	9/1/2027	\$72.39	\$13.00	\$14.55	\$8.72	\$0.00	\$108.66
	3/1/2028	\$73.59	\$13.00	\$14.59	\$8.72	\$0.00	\$109.90
For apprentice rates see "Apprentice- ELECTRICIAN"							
HVAC (TESTING AND BALANCING - AIR) SHEETMETAL WORKERS LOCAL 17	2/1/2025	\$59.13	\$14.91	\$18.74	\$9.53	\$2.98	\$105.29
	8/1/2025	\$60.98	\$14.91	\$18.74	\$9.53	\$2.98	\$107.14
	2/1/2026	\$62.93	\$14.91	\$18.74	\$9.53	\$2.98	\$109.09
For apprentice rates see "Apprentice- SHEET METAL WORKER"							
HVAC (TESTING AND BALANCING - WATER) PIPEFITTERS LOCAL 537	3/1/2025	\$68.88	\$12.70	\$13.05	\$8.75	\$0.00	\$103.38
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"							
HVAC MECHANIC PIPEFITTERS LOCAL 537	3/1/2025	\$68.88	\$12.70	\$13.05	\$8.75	\$0.00	\$103.38
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"							
HYDRAULIC DRILLS LABORERS	12/1/2024	\$46.85	\$9.90	\$9.25	\$9.65	\$0.00	\$75.65
	6/1/2025	\$48.35	\$9.90	\$9.25	\$9.65	\$0.00	\$77.15
	12/1/2025	\$49.85	\$9.90	\$9.25	\$9.65	\$0.00	\$78.65
	6/1/2026	\$50.65	\$9.90	\$9.25	\$9.65	\$0.00	\$79.45
	12/1/2026	\$52.90	\$9.90	\$9.25	\$9.65	\$0.00	\$81.70
	6/1/2027	\$54.50	\$9.90	\$9.25	\$9.65	\$0.00	\$83.30
	12/1/2027	\$56.10	\$9.90	\$9.25	\$9.65	\$0.00	\$84.90
	6/1/2028	\$57.78	\$9.90	\$9.25	\$9.65	\$0.00	\$86.58
	12/1/2028	\$59.45	\$9.90	\$9.25	\$9.65	\$0.00	\$88.25
For apprentice rates see "Apprentice- LABORER"							
HYDRAULIC DRILLS (HEAVY & HIGHWAY) LABORERS	12/1/2024	\$46.95	\$9.90	\$9.25	\$9.65	\$0.00	\$75.75
	6/1/2025	\$48.45	\$9.90	\$9.25	\$9.65	\$0.00	\$77.25
	12/1/2025	\$49.95	\$9.90	\$9.25	\$9.65	\$0.00	\$78.75
	6/1/2026	\$51.50	\$9.90	\$9.25	\$9.65	\$0.00	\$80.30
	12/1/2026	\$53.00	\$9.90	\$9.25	\$9.65	\$0.00	\$81.80
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"							
INSULATOR (PIPES & TANKS) HEAT & FROST INSULATORS LOCAL 6	9/1/2024	\$56.92	\$14.75	\$9.52	\$10.09	\$0.00	\$91.28
	9/1/2025	\$60.34	\$14.75	\$9.52	\$10.09	\$0.00	\$94.70
	9/1/2026	\$63.76	\$14.75	\$9.52	\$10.09	\$0.00	\$98.12

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: INSULATOR (PIPES & TANKS) Effective Date: 9/1/2024							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$28.46	\$14.75	\$9.27	\$5.05	\$0.00	\$57.53
2	60.00	\$34.15	\$14.75	\$9.32	\$6.05	\$0.00	\$64.27
3	70.00	\$39.84	\$14.75	\$9.37	\$7.06	\$0.00	\$71.02
4	80.00	\$45.54	\$14.75	\$9.42	\$8.07	\$0.00	\$77.78
Apprentice: INSULATOR (PIPES & TANKS) Effective Date: 9/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$30.17	\$14.75	\$9.27	\$5.05	\$0.00	\$59.24
2	60.00	\$36.20	\$14.75	\$9.32	\$6.05	\$0.00	\$66.32
3	70.00	\$42.24	\$14.75	\$9.37	\$7.06	\$0.00	\$73.42
4	80.00	\$48.27	\$14.75	\$9.42	\$8.07	\$0.00	\$80.51
IRONWORKER/WELDER IRONWORKERS LOCAL 7	3/16/2024	\$53.97	\$8.35	\$12.70	\$14.00	\$0.00	\$89.02
Apprentice: IRONWORKER/WELDER Effective Date: 3/16/2024							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	60.00	\$32.38	\$8.35	\$12.70	\$14.00	\$0.00	\$67.43
2	70.00	\$37.78	\$8.35	\$12.70	\$14.00	\$0.00	\$72.83
3	75.00	\$40.48	\$8.35	\$12.70	\$14.00	\$0.00	\$75.53
4	80.00	\$43.18	\$8.35	\$12.70	\$14.00	\$0.00	\$78.23
5	85.00	\$45.87	\$8.35	\$12.70	\$14.00	\$0.00	\$80.92
6	90.00	\$48.57	\$8.35	\$12.70	\$14.00	\$0.00	\$83.62
JACKHAMMER & PAVING BREAKER OPERATOR LABORERS	12/1/2024	\$46.35	\$9.90	\$9.25	\$9.65	\$0.00	\$75.15
	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75
For apprentice rates see "Apprentice- LABORER"							
LABORER LABORERS	12/1/2024	\$46.10	\$9.90	\$9.25	\$9.65	\$0.00	\$74.90
	6/1/2025	\$47.60	\$9.90	\$9.25	\$9.65	\$0.00	\$76.40

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
	12/1/2025	\$49.10	\$9.90	\$9.25	\$9.65	\$0.00	\$77.90
	6/1/2026	\$50.65	\$9.90	\$9.25	\$9.65	\$0.00	\$79.45
	12/1/2026	\$52.15	\$9.90	\$9.25	\$9.65	\$0.00	\$80.95
	6/1/2027	\$53.75	\$9.90	\$9.25	\$9.65	\$0.00	\$82.55
	12/1/2027	\$55.35	\$9.90	\$9.25	\$9.65	\$0.00	\$84.15
	6/1/2028	\$57.03	\$9.90	\$9.25	\$9.65	\$0.00	\$85.83
	12/1/2028	\$58.70	\$9.90	\$9.25	\$9.65	\$0.00	\$87.50

Apprentice: LABORER							
Effective Date: 12/1/2024							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	60.00	\$27.66	\$9.90	\$9.25	\$9.65	\$0.00	\$56.46
2	70.00	\$32.27	\$9.90	\$9.25	\$9.65	\$0.00	\$61.07
3	80.00	\$36.88	\$9.90	\$9.25	\$9.65	\$0.00	\$65.68
4	90.00	\$41.49	\$9.90	\$9.25	\$9.65	\$0.00	\$70.29

Apprentice: LABORER							
Effective Date: 6/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	60.00	\$28.56	\$9.90	\$9.25	\$9.65	\$0.00	\$57.36
2	70.00	\$33.32	\$9.90	\$9.25	\$9.65	\$0.00	\$62.12
3	80.00	\$38.08	\$9.90	\$9.25	\$9.65	\$0.00	\$66.88
4	90.00	\$42.84	\$9.90	\$9.25	\$9.65	\$0.00	\$71.64

LABORER (HEAVY & HIGHWAY) LABORERS	12/1/2024	\$46.20	\$9.90	\$9.25	\$9.65	\$0.00	\$75.00
	6/1/2025	\$47.70	\$9.90	\$9.25	\$9.65	\$0.00	\$76.50
	12/1/2025	\$49.20	\$9.90	\$9.25	\$9.65	\$0.00	\$78.00
	6/1/2026	\$50.75	\$9.90	\$9.25	\$9.65	\$0.00	\$79.55
	12/1/2026	\$52.25	\$9.90	\$9.25	\$9.65	\$0.00	\$81.05

Apprentice: LABORER (HEAVY & HIGHWAY)							
Effective Date: 12/1/2024							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	60.00	\$27.72	\$9.90	\$9.25	\$9.65	\$0.00	\$56.52
2	70.00	\$32.34	\$9.90	\$9.25	\$9.65	\$0.00	\$61.14
3	80.00	\$36.96	\$9.90	\$9.25	\$9.65	\$0.00	\$65.76
4	90.00	\$41.58	\$9.90	\$9.25	\$9.65	\$0.00	\$70.38

Apprentice: LABORER (HEAVY & HIGHWAY)							
Effective Date: 6/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate																																								
<div>Apprentice: LABORER (HEAVY & HIGHWAY)</div> <div>Effective Date: 6/1/2025</div> <table><thead><tr><th>Step</th><th>Percent</th><th>Apprentice Base Wage</th><th>Health</th><th>Pension</th><th>Annuity</th><th>Supplemental Unemployment</th><th>Total Rate</th></tr></thead><tbody><tr><td>1</td><td>60.00</td><td>\$28.62</td><td>\$9.65</td><td>\$9.25</td><td>\$9.65</td><td>\$0.00</td><td>\$57.17</td></tr><tr><td>2</td><td>70.00</td><td>\$33.39</td><td>\$9.65</td><td>\$9.25</td><td>\$9.65</td><td>\$0.00</td><td>\$61.94</td></tr><tr><td>3</td><td>80.00</td><td>\$38.16</td><td>\$9.65</td><td>\$9.25</td><td>\$9.65</td><td>\$0.00</td><td>\$66.71</td></tr><tr><td>4</td><td>90.00</td><td>\$42.93</td><td>\$9.65</td><td>\$9.25</td><td>\$9.65</td><td>\$0.00</td><td>\$71.48</td></tr></tbody></table>								Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate	1	60.00	\$28.62	\$9.65	\$9.25	\$9.65	\$0.00	\$57.17	2	70.00	\$33.39	\$9.65	\$9.25	\$9.65	\$0.00	\$61.94	3	80.00	\$38.16	\$9.65	\$9.25	\$9.65	\$0.00	\$66.71	4	90.00	\$42.93	\$9.65	\$9.25	\$9.65	\$0.00	\$71.48
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate																																								
1	60.00	\$28.62	\$9.65	\$9.25	\$9.65	\$0.00	\$57.17																																								
2	70.00	\$33.39	\$9.65	\$9.25	\$9.65	\$0.00	\$61.94																																								
3	80.00	\$38.16	\$9.65	\$9.25	\$9.65	\$0.00	\$66.71																																								
4	90.00	\$42.93	\$9.65	\$9.25	\$9.65	\$0.00	\$71.48																																								
LABORER: CARPENTER TENDER LABORERS	12/1/2024	\$46.10	\$9.90	\$9.25	\$9.65	\$0.00	\$74.90																																								
	6/1/2025	\$47.60	\$9.90	\$9.25	\$9.65	\$0.00	\$76.40																																								
	12/1/2025	\$49.10	\$9.90	\$9.25	\$9.65	\$0.00	\$77.90																																								
	6/1/2026	\$50.65	\$9.90	\$9.25	\$9.65	\$0.00	\$79.45																																								
	12/1/2026	\$52.15	\$9.90	\$9.25	\$9.65	\$0.00	\$80.95																																								
	6/1/2027	\$53.75	\$9.90	\$9.25	\$9.65	\$0.00	\$82.55																																								
	12/1/2027	\$55.35	\$9.90	\$9.25	\$9.65	\$0.00	\$84.15																																								
	6/1/2028	\$57.03	\$9.90	\$9.25	\$9.65	\$0.00	\$85.83																																								
	12/1/2028	\$58.70	\$9.90	\$9.25	\$9.65	\$0.00	\$87.50																																								
For apprentice rates see "Apprentice- LABORER"																																															
LABORER: CEMENT FINISHER TENDER LABORERS	12/1/2024	\$46.10	\$9.90	\$9.25	\$9.65	\$0.00	\$74.90																																								
	6/1/2025	\$47.60	\$9.90	\$9.25	\$9.65	\$0.00	\$76.40																																								
	12/1/2025	\$49.10	\$9.90	\$9.25	\$9.65	\$0.00	\$77.90																																								
	6/1/2026	\$50.65	\$9.90	\$9.25	\$9.65	\$0.00	\$79.45																																								
	12/1/2026	\$52.15	\$9.90	\$9.25	\$9.65	\$0.00	\$80.95																																								
	6/1/2027	\$53.75	\$9.90	\$9.25	\$9.65	\$0.00	\$82.55																																								
	12/1/2027	\$55.35	\$9.90	\$9.25	\$9.65	\$0.00	\$84.15																																								
	6/1/2028	\$57.03	\$9.90	\$9.25	\$9.65	\$0.00	\$85.83																																								
	12/1/2028	\$58.70	\$9.90	\$9.25	\$9.65	\$0.00	\$87.50																																								
For apprentice rates see "Apprentice- LABORER"																																															
LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER LABORERS	12/2/2024	\$46.25	\$9.90	\$9.25	\$9.65	\$0.00	\$75.05																																								
	6/2/2025	\$47.75	\$9.90	\$9.25	\$9.65	\$0.00	\$76.55																																								
	12/1/2025	\$49.25	\$9.90	\$9.25	\$9.65	\$0.00	\$78.05																																								
	6/1/2026	\$50.80	\$9.90	\$9.25	\$9.65	\$0.00	\$79.60																																								
	12/7/2026	\$52.30	\$9.90	\$9.25	\$9.65	\$0.00	\$81.10																																								
	6/7/2027	\$53.90	\$9.90	\$9.25	\$9.65	\$0.00	\$82.70																																								
	12/6/2027	\$55.50	\$9.90	\$9.25	\$9.65	\$0.00	\$84.30																																								
	6/5/2028	\$57.18	\$9.90	\$9.25	\$9.65	\$0.00	\$85.98																																								
	12/4/2028	\$58.85	\$9.90	\$9.25	\$9.65	\$0.00	\$87.65																																								
For apprentice rates see "Apprentice- LABORER"																																															
LABORER: MASON TENDER LABORERS	12/1/2024	\$46.35	\$9.90	\$9.25	\$9.65	\$0.00	\$75.15																																								
	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65																																								
	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15																																								
	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70																																								
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20																																								
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80																																								
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40																																								

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75
For apprentice rates see "Apprentice- LABORER"							
LABORER: MASON TENDER (HEAVY & HIGHWAY) LABORERS	12/1/2024	\$46.45	\$9.90	\$9.25	\$9.65	\$0.00	\$75.25
	6/1/2025	\$47.95	\$9.90	\$9.25	\$9.65	\$0.00	\$76.75
	12/1/2025	\$49.45	\$9.90	\$9.25	\$9.65	\$0.00	\$78.25
	6/1/2026	\$51.00	\$9.90	\$9.25	\$9.65	\$0.00	\$79.80
	12/1/2026	\$52.50	\$9.90	\$9.25	\$9.65	\$0.00	\$81.30
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"							
LABORER: MULTI-TRADE TENDER LABORERS	12/1/2024	\$46.10	\$9.90	\$9.25	\$9.65	\$0.00	\$74.90
	6/1/2025	\$47.60	\$9.90	\$9.25	\$9.65	\$0.00	\$76.40
	12/1/2025	\$49.10	\$9.90	\$9.25	\$9.65	\$0.00	\$77.90
	6/1/2026	\$50.65	\$9.90	\$9.25	\$9.65	\$0.00	\$79.45
	12/1/2026	\$52.15	\$9.90	\$9.25	\$9.65	\$0.00	\$80.95
	6/1/2027	\$53.75	\$9.90	\$9.25	\$9.65	\$0.00	\$82.55
	12/1/2027	\$55.35	\$9.90	\$9.25	\$9.65	\$0.00	\$84.15
	6/1/2028	\$57.03	\$9.90	\$9.25	\$9.65	\$0.00	\$85.83
	12/1/2028	\$58.70	\$9.90	\$9.25	\$9.65	\$0.00	\$87.50
For apprentice rates see "Apprentice- LABORER"							
LABORER: TREE REMOVER LABORERS	12/1/2024	\$46.10	\$9.90	\$9.25	\$9.65	\$0.00	\$74.90
	6/1/2025	\$47.60	\$9.90	\$9.25	\$9.65	\$0.00	\$76.40
	12/1/2025	\$49.10	\$9.90	\$9.25	\$9.65	\$0.00	\$77.90
	6/1/2026	\$50.65	\$9.90	\$9.25	\$9.65	\$0.00	\$79.45
	12/1/2026	\$52.15	\$9.90	\$9.25	\$9.65	\$0.00	\$80.95
	6/1/2027	\$53.75	\$9.90	\$9.25	\$9.65	\$0.00	\$82.55
	12/1/2027	\$55.35	\$9.90	\$9.25	\$9.65	\$0.00	\$84.15
	6/1/2028	\$57.03	\$9.90	\$9.25	\$9.65	\$0.00	\$85.83
	12/1/2028	\$58.70	\$9.90	\$9.25	\$9.65	\$0.00	\$87.50
This classification applies to the removal of standing trees, and the trimming and removal of branches and limbs when related to public works construction or site clearance incidental to construction . For apprentice rates see "Apprentice- LABORER"							
LASER BEAM OPERATOR LABORERS	12/1/2024	\$46.35	\$9.90	\$9.25	\$9.65	\$0.00	\$75.15
	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75
For apprentice rates see "Apprentice- LABORER"							
LASER BEAM OPERATOR (HEAVY & HIGHWAY) LABORERS	12/1/2024	\$46.45	\$9.90	\$9.25	\$9.65	\$0.00	\$75.25
	6/1/2025	\$47.95	\$9.90	\$9.25	\$9.65	\$0.00	\$76.75
	12/1/2025	\$49.45	\$9.90	\$9.25	\$9.65	\$0.00	\$78.25
	6/1/2026	\$51.00	\$9.90	\$9.25	\$9.65	\$0.00	\$79.80
	12/1/2026	\$52.50	\$9.90	\$9.25	\$9.65	\$0.00	\$81.30
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"							

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
MARBLE & TILE FINISHERS BRICKLAYERS LOCAL 3	2/1/2025	\$50.36	\$11.49	\$15.57	\$6.05	\$0.00	\$83.47
	8/1/2025	\$52.08	\$11.49	\$15.57	\$6.05	\$0.00	\$85.19
	2/1/2026	\$53.16	\$11.49	\$15.57	\$6.05	\$0.00	\$86.27
	8/1/2026	\$54.92	\$11.49	\$15.57	\$6.05	\$0.00	\$88.03
	2/1/2027	\$56.04	\$11.49	\$15.57	\$6.05	\$0.00	\$89.15

Apprentice: MARBLE & TILE FINISHERS							
Effective Date: 2/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$25.18	\$11.49	\$15.57	\$6.05	\$0.00	\$58.29
2	60.00	\$30.22	\$11.49	\$15.57	\$6.05	\$0.00	\$63.33
3	70.00	\$35.25	\$11.49	\$15.57	\$6.05	\$0.00	\$68.36
4	80.00	\$40.29	\$11.49	\$15.57	\$6.05	\$0.00	\$73.40
5	90.00	\$45.32	\$11.49	\$15.57	\$6.05	\$0.00	\$78.43

Apprentice: MARBLE & TILE FINISHERS							
Effective Date: 8/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$26.04	\$11.49	\$15.57	\$6.05	\$0.00	\$59.15
2	60.00	\$31.25	\$11.49	\$15.57	\$6.05	\$0.00	\$64.36
3	70.00	\$36.46	\$11.49	\$15.57	\$6.05	\$0.00	\$69.57
4	80.00	\$41.66	\$11.49	\$15.57	\$6.05	\$0.00	\$74.77
5	90.00	\$46.87	\$11.49	\$15.57	\$6.05	\$0.00	\$79.98

MARBLE MASONS,TILELAYERS & TERRAZZO MECH BRICKLAYERS LOCAL 3	2/1/2025	\$65.82	\$11.49	\$15.57	\$7.99	\$0.00	\$100.87
	8/1/2025	\$67.97	\$11.49	\$15.57	\$7.99	\$0.00	\$103.02
	2/1/2026	\$69.32	\$11.49	\$15.57	\$7.99	\$0.00	\$104.37
	8/1/2026	\$71.52	\$11.49	\$15.57	\$7.99	\$0.00	\$106.57
	2/1/2027	\$72.92	\$11.49	\$15.57	\$7.99	\$0.00	\$107.97

Apprentice: MARBLE MASONS,TILELAYERS & TERRAZZO MECH							
Effective Date: 2/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$32.91	\$11.49	\$15.57	\$7.99	\$0.00	\$67.96
2	60.00	\$39.49	\$11.49	\$15.57	\$7.99	\$0.00	\$74.54
3	70.00	\$46.07	\$11.49	\$15.57	\$7.99	\$0.00	\$81.12
4	80.00	\$52.66	\$11.49	\$15.57	\$7.99	\$0.00	\$87.71
5	90.00	\$59.24	\$11.49	\$15.57	\$7.99	\$0.00	\$94.29

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: MARBLE MASONS,TILELAYERS & TERRAZZO MECH Effective Date: 8/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$33.99	\$11.49	\$15.57	\$7.99	\$0.00	\$69.04
2	60.00	\$40.78	\$11.49	\$15.57	\$7.99	\$0.00	\$75.83
3	70.00	\$47.58	\$11.49	\$15.57	\$7.99	\$0.00	\$82.63
4	80.00	\$54.38	\$11.49	\$15.57	\$7.99	\$0.00	\$89.43
5	90.00	\$61.17	\$11.49	\$15.57	\$7.99	\$0.00	\$96.22
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MECH. SWEEPER OPERATOR (ON CONST. SITES)	12/1/2024	\$56.40	\$15.55	\$13.25	\$3.25	\$0.00	\$88.45
OPERATING ENGINEERS LOCAL 4	6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$0.00	\$89.73
	12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$0.00	\$91.17
	6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$0.00	\$92.45
	12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$0.00	\$93.89
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
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MECHANICS MAINTENANCE	12/1/2024	\$56.40	\$15.55	\$13.25	\$3.25	\$0.00	\$88.45
OPERATING ENGINEERS LOCAL 4	6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$0.00	\$89.73
	12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$0.00	\$91.17
	6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$0.00	\$92.45
	12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$0.00	\$93.89
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
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MILLWRIGHT (Zone 1)	1/6/2025	\$50.53	\$10.08	\$11.47	\$10.25	\$0.00	\$82.33
MILLWRIGHTS LOCAL 1121	1/5/2026	\$53.03	\$10.08	\$11.47	\$10.25	\$0.00	\$84.83

Apprentice: MILLWRIGHT (Zone 1) Effective Date: 1/6/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	55.00	\$27.79	\$10.08	\$0.00	\$5.64	\$0.00	\$43.51
2	65.00	\$32.84	\$10.08	\$0.00	\$6.66	\$0.00	\$49.58
3	75.00	\$37.90	\$10.08	\$11.47	\$7.69	\$0.00	\$67.14
4	85.00	\$42.95	\$10.08	\$11.47	\$8.71	\$0.00	\$73.21

Apprentice: MILLWRIGHT (Zone 1) Effective Date: 1/5/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	55.00	\$29.17	\$10.08	\$0.00	\$5.64	\$0.00	\$44.89
2	65.00	\$34.47	\$10.08	\$0.00	\$6.66	\$0.00	\$51.21
3	75.00	\$39.77	\$10.08	\$11.47	\$7.69	\$0.00	\$69.01
4	85.00	\$45.08	\$10.08	\$11.47	\$8.71	\$0.00	\$75.34

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
MORTAR MIXER LABORERS	12/1/2024	\$46.35	\$9.90	\$9.25	\$9.65	\$0.00	\$75.15
	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75

For apprentice rates see "Apprentice- LABORER"

OILER (OTHER THAN TRUCK CRANES,GRADALLS) OPERATING ENGINEERS LOCAL 4	12/1/2024	\$25.37	\$15.30	\$13.15	\$3.25	\$0.00	\$57.07
	6/1/2025	\$25.97	\$15.30	\$13.15	\$3.25	\$0.00	\$57.67
	12/1/2025	\$26.63	\$15.30	\$13.15	\$3.25	\$0.00	\$58.33
	6/1/2026	\$27.22	\$15.30	\$13.15	\$3.25	\$0.00	\$58.92
	12/1/2026	\$27.89	\$15.30	\$13.15	\$3.25	\$0.00	\$59.59

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

OILER (TRUCK CRANES, GRADALLS) OPERATING ENGINEERS LOCAL 4	12/1/2024	\$31.08	\$15.30	\$13.15	\$3.25	\$0.00	\$62.78
	6/1/2025	\$31.80	\$15.30	\$13.15	\$3.25	\$0.00	\$63.50
	12/1/2025	\$32.60	\$15.30	\$13.15	\$3.25	\$0.00	\$64.30
	6/1/2026	\$33.32	\$15.30	\$13.15	\$3.25	\$0.00	\$65.02
	12/1/2026	\$34.12	\$15.30	\$13.15	\$3.25	\$0.00	\$65.82

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

OTHER POWER DRIVEN EQUIPMENT - CLASS II OPERATING ENGINEERS LOCAL 4	12/1/2024	\$56.40	\$15.55	\$13.25	\$3.25	\$0.00	\$88.45
	6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$0.00	\$89.73
	12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$0.00	\$91.17
	6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$0.00	\$92.45
	12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$0.00	\$93.89

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

PAINTER (BRIDGES/TANKS) PAINTERS LOCAL 35	1/1/2025	\$58.46	\$9.95	\$11.85	\$12.10	\$0.00	\$92.36
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Apprentice: PAINTER (BRIDGES/TANKS)**Effective Date: 1/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$29.23	\$9.95	\$0.00	\$0.00	\$0.00	\$39.18
2	55.00	\$32.15	\$9.95	\$0.00	\$6.66	\$0.00	\$48.76
3	60.00	\$35.08	\$9.95	\$0.00	\$7.26	\$0.00	\$52.29
4	65.00	\$38.00	\$9.95	\$0.00	\$7.87	\$0.00	\$55.82
5	70.00	\$40.92	\$9.95	\$11.85	\$8.47	\$0.00	\$71.19
6	75.00	\$43.85	\$9.95	\$11.85	\$9.08	\$0.00	\$74.73
7	80.00	\$46.77	\$9.95	\$11.85	\$9.68	\$0.00	\$78.25
8	90.00	\$52.61	\$9.95	\$11.85	\$10.89	\$0.00	\$85.30

PAINTER (SPRAY OR SANDBLAST, NEW) *	1/1/2025	\$55.15	\$9.95	\$11.85	\$12.10	\$0.00	\$89.05
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Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. PAINTERS LOCAL 35							

Apprentice: PAINTER (SPRAY OR SANDBLAST, NEW) *							
Effective Date: 1/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$27.58	\$9.95	\$0.00	\$0.00	\$0.00	\$37.53
2	55.00	\$30.33	\$9.95	\$0.00	\$6.66	\$0.00	\$46.94
3	60.00	\$33.09	\$9.95	\$0.00	\$7.26	\$0.00	\$50.30
4	65.00	\$35.85	\$9.95	\$0.00	\$7.87	\$0.00	\$53.67
5	70.00	\$38.61	\$9.95	\$11.85	\$8.47	\$0.00	\$68.88
6	75.00	\$41.36	\$9.95	\$11.85	\$9.08	\$0.00	\$72.24
7	80.00	\$44.12	\$9.95	\$11.85	\$9.68	\$0.00	\$75.60
8	90.00	\$49.64	\$9.95	\$11.85	\$10.89	\$0.00	\$82.33

PAINTER (SPRAY OR SANDBLAST, REPAINT)	1/1/2025	\$53.21	\$9.95	\$11.85	\$12.10	\$0.00	\$87.11
PAINTERS LOCAL 35							

Apprentice: PAINTER (SPRAY OR SANDBLAST, REPAINT)							
Effective Date: 1/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$26.61	\$9.95	\$0.00	\$0.00	\$0.00	\$36.56
2	55.00	\$29.27	\$9.95	\$0.00	\$6.66	\$0.00	\$45.88
3	60.00	\$31.93	\$9.95	\$0.00	\$7.26	\$0.00	\$49.14
4	65.00	\$34.59	\$9.95	\$0.00	\$7.87	\$0.00	\$52.41
5	70.00	\$37.25	\$9.95	\$11.85	\$8.47	\$0.00	\$67.52
6	75.00	\$39.91	\$9.95	\$11.85	\$9.08	\$0.00	\$70.79
7	80.00	\$42.57	\$9.95	\$11.85	\$9.68	\$0.00	\$74.05
8	90.00	\$47.89	\$9.95	\$11.85	\$10.89	\$0.00	\$80.58

PAINTER / TAPER (BRUSH, NEW) *	1/1/2025	\$53.75	\$9.95	\$11.85	\$12.10	\$0.00	\$87.65
* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. PAINTERS LOCAL 35							

Apprentice: PAINTER / TAPER (BRUSH, NEW) *							
Effective Date: 1/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$26.88	\$9.95	\$0.00	\$0.00	\$0.00	\$36.83
2	55.00	\$29.56	\$9.95	\$0.00	\$6.66	\$0.00	\$46.17
3	60.00	\$32.25	\$9.95	\$0.00	\$7.26	\$0.00	\$49.46
4	65.00	\$34.94	\$9.95	\$0.00	\$7.87	\$0.00	\$52.76
5	70.00	\$37.63	\$9.95	\$11.85	\$8.47	\$0.00	\$67.90

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: PAINTER / TAPER (BRUSH, NEW) * Effective Date: 1/1/2025							
		Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
6	75.00	\$40.31	\$9.95	\$11.85	\$9.08	\$0.00	\$71.19
7	80.00	\$43.00	\$9.95	\$11.85	\$9.68	\$0.00	\$74.48
8	90.00	\$48.38	\$9.95	\$11.85	\$10.89	\$0.00	\$81.07
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PAINTER / TAPER (BRUSH, REPAINT) PAINTERS LOCAL 35	1/1/2025	\$51.81	\$9.95	\$11.85	\$12.10	\$0.00	\$85.71
Apprentice: PAINTER / TAPER (BRUSH, REPAINT) Effective Date: 1/1/2025							
		Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$25.91	\$9.95	\$0.00	\$0.00	\$0.00	\$35.86
2	55.00	\$28.50	\$9.95	\$0.00	\$6.66	\$0.00	\$45.11
3	60.00	\$31.09	\$9.95	\$0.00	\$7.26	\$0.00	\$48.30
4	65.00	\$33.68	\$9.95	\$0.00	\$7.87	\$0.00	\$51.50
5	70.00	\$36.27	\$9.95	\$11.85	\$8.47	\$0.00	\$66.54
6	75.00	\$38.86	\$9.95	\$11.85	\$9.08	\$0.00	\$69.74
7	80.00	\$41.45	\$9.95	\$11.85	\$9.68	\$0.00	\$72.93
8	90.00	\$46.63	\$9.95	\$11.85	\$10.89	\$0.00	\$79.32
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PAINTER TRAFFIC MARKINGS (HEAVY/HIGHWAY) LABORERS	12/1/2024	\$46.20	\$9.90	\$9.25	\$9.65	\$0.00	\$75.00
	6/1/2025	\$47.70	\$9.90	\$9.25	\$9.65	\$0.00	\$76.50
	12/1/2025	\$49.20	\$9.90	\$9.25	\$9.65	\$0.00	\$78.00
	6/1/2026	\$50.75	\$9.90	\$9.25	\$9.65	\$0.00	\$79.55
	12/1/2026	\$52.25	\$9.90	\$9.25	\$9.65	\$0.00	\$81.05
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)							
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PANEL & PICKUP TRUCKS DRIVER TEAMSTERS JOINT COUNCIL NO. 10	12/1/2024	\$40.88	\$14.91	\$20.17	\$0.00	\$0.00	\$75.96
	6/1/2025	\$41.88	\$14.91	\$20.17	\$0.00	\$0.00	\$76.96
	8/1/2025	\$41.88	\$15.41	\$20.17	\$0.00	\$0.00	\$77.46
	12/1/2025	\$41.88	\$15.41	\$21.78	\$0.00	\$0.00	\$79.07
	6/1/2026	\$42.88	\$15.41	\$21.78	\$0.00	\$0.00	\$80.07
	8/1/2026	\$42.88	\$15.91	\$21.78	\$0.00	\$0.00	\$80.57
	12/1/2026	\$42.88	\$15.91	\$23.52	\$0.00	\$0.00	\$82.31
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PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK) PILE DRIVER LOCAL 56	8/1/2024	\$55.79	\$10.08	\$11.62	\$12.67	\$0.00	\$90.16
For apprentice rates see "Apprentice- PILE DRIVER"							
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PILE DRIVER PILE DRIVER LOCAL 56	8/1/2024	\$55.79	\$10.08	\$11.62	\$12.67	\$0.00	\$90.16

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: PILE DRIVER Effective Date: 8/1/2024							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	45.00	\$25.11	\$10.08	\$0.00	\$2.53	\$0.00	\$37.72
2	55.00	\$30.68	\$10.08	\$0.00	\$5.07	\$0.00	\$45.83
3	70.00	\$39.05	\$10.08	\$11.62	\$7.60	\$0.00	\$68.35
4	80.00	\$44.63	\$10.08	\$11.62	\$10.14	\$0.00	\$76.47
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PIPEFITTER & STEAMFITTER PIPEFITTERS LOCAL 537	3/1/2025	\$68.88	\$12.70	\$13.05	\$8.75	\$0.00	\$103.38
Apprentice: PIPEFITTER & STEAMFITTER Effective Date: 3/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	40.00	\$27.55	\$12.70	\$0.30	\$8.75	\$0.00	\$49.30
2	45.00	\$31.00	\$12.70	\$13.05	\$8.75	\$0.00	\$65.50
3	60.00	\$41.33	\$12.70	\$13.05	\$8.75	\$0.00	\$75.83
4	70.00	\$48.22	\$12.70	\$13.05	\$8.75	\$0.00	\$82.72
5	80.00	\$55.10	\$12.70	\$13.05	\$8.75	\$0.00	\$89.60
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PIPELAYER LABORERS	12/1/2024	\$46.35	\$9.90	\$9.25	\$9.65	\$0.00	\$75.15
	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75
For apprentice rates see "Apprentice- LABORER"							
PIPELAYER (HEAVY & HIGHWAY) LABORERS	12/1/2024	\$46.45	\$9.90	\$9.25	\$9.65	\$0.00	\$75.25
	6/1/2025	\$47.95	\$9.90	\$9.25	\$9.65	\$0.00	\$76.75
	12/1/2025	\$49.45	\$9.90	\$9.25	\$9.65	\$0.00	\$78.25
	6/1/2026	\$51.00	\$9.90	\$9.25	\$9.65	\$0.00	\$79.80
	12/1/2026	\$52.50	\$9.90	\$9.25	\$9.65	\$0.00	\$81.30
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"							
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PLUMBERS & GASFITTERS PLUMBERS & GASFITTERS LOCAL 12	3/2/2025	\$69.84	\$14.32	\$12.31	\$8.00	\$0.00	\$104.47

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: PLUMBERS & GASFITTERS Effective Date: 3/2/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	35.00	\$24.44	\$14.32	\$4.61	\$2.80	\$0.00	\$46.17
2	40.00	\$27.94	\$14.32	\$5.22	\$3.20	\$0.00	\$50.68
3	55.00	\$38.41	\$14.32	\$7.07	\$4.40	\$0.00	\$64.20
4	65.00	\$45.40	\$14.32	\$8.30	\$5.20	\$0.00	\$73.22
5	75.00	\$52.38	\$14.32	\$9.53	\$6.00	\$0.00	\$82.23
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PNEUMATIC CONTROLS (TEMP.) PIPEFITTERS LOCAL 537	3/1/2025	\$68.88	\$12.70	\$13.05	\$8.75	\$0.00	\$103.38
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"							
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PNEUMATIC DRILL/TOOL OPERATOR LABORERS	12/1/2024	\$46.35	\$9.90	\$9.25	\$9.65	\$0.00	\$75.15
	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75
For apprentice rates see "Apprentice- LABORER"							
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PNEUMATIC DRILL/TOOL OPERATOR (HEAVY & HIGHWAY) LABORERS	12/1/2024	\$46.45	\$9.90	\$9.25	\$9.65	\$0.00	\$75.25
	6/1/2025	\$47.95	\$9.90	\$9.25	\$9.65	\$0.00	\$76.75
	12/1/2025	\$49.45	\$9.90	\$9.25	\$9.65	\$0.00	\$78.25
	6/1/2026	\$51.00	\$9.90	\$9.25	\$9.65	\$0.00	\$79.80
	12/1/2026	\$52.50	\$9.90	\$9.25	\$9.65	\$0.00	\$81.30
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"							
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POWDERMAN & BLASTER LABORERS	12/1/2024	\$47.10	\$9.90	\$9.25	\$9.65	\$0.00	\$75.90
	6/1/2025	\$48.60	\$9.90	\$9.25	\$9.65	\$0.00	\$77.40
	12/1/2025	\$50.10	\$9.90	\$9.25	\$9.65	\$0.00	\$78.90
	6/1/2026	\$51.65	\$9.90	\$9.25	\$9.65	\$0.00	\$80.45
	12/1/2026	\$53.15	\$9.90	\$9.25	\$9.65	\$0.00	\$81.95
	6/1/2027	\$54.75	\$9.90	\$9.25	\$9.65	\$0.00	\$83.55
	12/1/2027	\$56.35	\$9.90	\$9.25	\$9.65	\$0.00	\$85.15
	6/1/2028	\$58.03	\$9.90	\$9.25	\$9.65	\$0.00	\$86.83
	12/1/2028	\$59.70	\$9.90	\$9.25	\$9.65	\$0.00	\$88.50
For apprentice rates see "Apprentice- LABORER"							
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POWDERMAN & BLASTER (HEAVY & HIGHWAY) LABORERS	12/1/2024	\$47.20	\$9.90	\$9.25	\$9.65	\$0.00	\$76.00
	6/1/2025	\$48.70	\$9.90	\$9.25	\$9.65	\$0.00	\$77.50
	12/1/2025	\$50.20	\$9.90	\$9.25	\$9.65	\$0.00	\$79.00
	6/1/2026	\$51.75	\$9.90	\$9.25	\$9.65	\$0.00	\$80.55
	12/1/2026	\$53.25	\$9.90	\$9.25	\$9.65	\$0.00	\$82.05

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"							
POWER SHOVEL/DERRICK/TRENCHING MACHINE OPERATING ENGINEERS LOCAL 4	12/1/2024	\$57.03	\$15.55	\$13.25	\$3.25	\$0.00	\$89.08
	6/1/2025	\$58.33	\$15.55	\$13.25	\$3.25	\$0.00	\$90.38
	12/1/2025	\$59.78	\$15.55	\$13.25	\$3.25	\$0.00	\$91.83
	6/1/2026	\$61.08	\$15.55	\$13.25	\$3.25	\$0.00	\$93.13
	12/1/2026	\$62.53	\$15.55	\$13.25	\$3.25	\$0.00	\$94.58
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
PUMP OPERATOR (CONCRETE) OPERATING ENGINEERS LOCAL 4	12/1/2024	\$56.40	\$15.55	\$13.25	\$3.25	\$0.00	\$88.45
	6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$0.00	\$89.73
	12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$0.00	\$91.17
	6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$0.00	\$92.45
	12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$0.00	\$93.89
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
PUMP OPERATOR (DEWATERING, OTHER) OPERATING ENGINEERS LOCAL 4	12/1/2024	\$36.67	\$15.55	\$13.25	\$3.25	\$0.00	\$68.72
	6/1/2025	\$37.52	\$15.55	\$13.25	\$3.25	\$0.00	\$69.57
	12/1/2025	\$38.47	\$15.55	\$13.25	\$3.25	\$0.00	\$70.52
	6/1/2026	\$39.33	\$15.55	\$13.25	\$3.25	\$0.00	\$71.38
	12/1/2026	\$40.28	\$15.55	\$13.25	\$3.25	\$0.00	\$72.33
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
READY MIX CONCRETE DRIVERS after 4/30/12 (Drivers Hired After 4/30/2012) TEAMSTERS 25 (Metro) - Aggregate	8/1/2022	\$30.40	\$11.91	\$15.25	\$0.00	\$0.00	\$57.56
READY-MIX CONCRETE DRIVER TEAMSTERS 25 (Metro) - Aggregate	8/1/2022	\$34.41	\$11.91	\$15.25	\$0.00	\$0.00	\$61.57
RECLAIMERS OPERATING ENGINEERS LOCAL 4	12/1/2024	\$56.40	\$15.55	\$13.25	\$3.25	\$0.00	\$88.45
	6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$0.00	\$89.73
	12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$0.00	\$91.17
	6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$0.00	\$92.45
	12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$0.00	\$93.89
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
RIDE-ON MOTORIZED BUGGY OPERATOR LABORERS	12/1/2024	\$46.35	\$9.90	\$9.25	\$9.65	\$0.00	\$75.15
	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75
For apprentice rates see "Apprentice- LABORER"							
ROLLER/SPREADER/MULCHING MACHINE OPERATING ENGINEERS LOCAL 4	12/1/2024	\$56.40	\$15.55	\$13.25	\$3.25	\$0.00	\$88.45
	6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$0.00	\$89.73
	12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$0.00	\$91.17

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
	6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$0.00	\$92.45
	12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$0.00	\$93.89

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

ROOFER (Inc.Roofers Waterproofing &Roofers Damproofg)	2/1/2025	\$52.03	\$13.28	\$12.67	\$9.03	\$0.00	\$87.01
ROOFERS LOCAL 33	8/1/2025	\$53.53	\$13.28	\$12.67	\$9.03	\$0.00	\$88.51
	2/1/2026	\$54.78	\$13.28	\$12.67	\$9.03	\$0.00	\$89.76

Apprentice: ROOFER (Inc.Roofers Waterproofing &Roofers Damproofg)**Effective Date: 2/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$26.02	\$13.28	\$6.52	\$9.03	\$0.00	\$54.85
2	60.00	\$31.22	\$13.28	\$12.67	\$9.03	\$0.00	\$66.20
3	65.00	\$33.82	\$13.28	\$12.67	\$9.03	\$0.00	\$68.80
4	75.00	\$39.02	\$13.28	\$12.67	\$9.03	\$0.00	\$74.00
5	85.00	\$44.23	\$13.28	\$12.67	\$9.03	\$0.00	\$79.21

Apprentice: ROOFER (Inc.Roofers Waterproofing &Roofers Damproofg)**Effective Date: 8/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$26.77	\$13.28	\$6.52	\$9.03	\$0.00	\$55.60
2	60.00	\$32.12	\$13.28	\$12.67	\$9.03	\$0.00	\$67.10
3	65.00	\$34.79	\$13.28	\$12.67	\$9.03	\$0.00	\$69.77
4	75.00	\$40.15	\$13.28	\$12.67	\$9.03	\$0.00	\$75.13
5	85.00	\$45.50	\$13.28	\$12.67	\$9.03	\$0.00	\$80.48

ROOFER SLATE / TILE / PRECAST CONCRETE	2/1/2025	\$52.28	\$13.28	\$12.67	\$9.03	\$0.00	\$87.26
ROOFERS LOCAL 33	8/1/2025	\$53.78	\$13.28	\$12.67	\$9.03	\$0.00	\$88.76
	2/1/2026	\$55.03	\$13.28	\$12.67	\$9.03	\$0.00	\$90.01

For apprentice rates see "Apprentice- ROOFER"

SHEETMETAL WORKER	2/1/2025	\$59.13	\$14.91	\$18.74	\$9.53	\$2.98	\$105.29
SHEETMETAL WORKERS LOCAL 17	8/1/2025	\$60.98	\$14.91	\$18.74	\$9.53	\$2.98	\$107.14
	2/1/2026	\$62.93	\$14.91	\$18.74	\$9.53	\$2.98	\$109.09

Apprentice: SHEETMETAL WORKER**Effective Date: 2/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	42.00	\$24.83	\$14.91	\$6.13	\$0.00	\$0.00	\$45.87
2	42.00	\$24.83	\$14.91	\$6.13	\$0.00	\$0.00	\$45.87
3	47.00	\$27.79	\$14.91	\$11.01	\$1.25	\$1.62	\$56.58
4	47.00	\$27.79	\$14.91	\$11.01	\$1.25	\$1.62	\$56.58
5	52.00	\$30.75	\$14.91	\$11.74	\$1.50	\$1.74	\$60.64

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: SHEETMETAL WORKER Effective Date: 2/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
6	52.00	\$30.75	\$14.91	\$11.74	\$1.75	\$1.75	\$60.90
7	60.00	\$35.48	\$14.91	\$12.90	\$2.00	\$1.93	\$67.22
8	65.00	\$38.43	\$14.91	\$13.63	\$2.25	\$2.04	\$71.26
9	75.00	\$44.35	\$14.91	\$15.09	\$2.75	\$2.28	\$79.38
10	85.00	\$50.26	\$14.91	\$16.55	\$2.75	\$2.49	\$86.96
Apprentice: SHEETMETAL WORKER Effective Date: 8/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	42.00	\$25.61	\$14.91	\$6.13	\$0.00	\$0.00	\$46.65
2	42.00	\$25.61	\$14.91	\$6.13	\$0.00	\$0.00	\$46.65
3	47.00	\$28.66	\$14.91	\$11.01	\$1.25	\$1.62	\$57.45
4	47.00	\$28.66	\$14.91	\$11.01	\$1.25	\$1.62	\$57.45
5	52.00	\$31.71	\$14.91	\$11.74	\$1.50	\$1.74	\$61.60
6	52.00	\$31.71	\$14.91	\$11.74	\$1.75	\$1.75	\$61.86
7	60.00	\$36.59	\$14.91	\$12.90	\$2.00	\$1.93	\$68.33
8	65.00	\$39.64	\$14.91	\$13.63	\$2.25	\$2.04	\$72.47
9	75.00	\$45.74	\$14.91	\$15.09	\$2.75	\$2.28	\$80.77
10	85.00	\$51.83	\$14.91	\$16.55	\$2.75	\$2.49	\$88.53
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SPECIALIZED EARTH MOVING EQUIP < 35 TONS TEAMSTERS JOINT COUNCIL NO. 10	12/1/2024	\$41.34	\$14.91	\$20.17	\$0.00	\$0.00	\$76.42
	6/1/2025	\$42.34	\$14.91	\$20.17	\$0.00	\$0.00	\$77.42
	8/1/2025	\$42.34	\$15.41	\$20.17	\$0.00	\$0.00	\$77.92
	12/1/2025	\$42.34	\$15.41	\$21.78	\$0.00	\$0.00	\$79.53
	6/1/2026	\$43.34	\$15.41	\$21.78	\$0.00	\$0.00	\$80.53
	8/1/2026	\$43.34	\$15.91	\$21.78	\$0.00	\$0.00	\$81.03
	12/1/2026	\$43.34	\$15.91	\$23.52	\$0.00	\$0.00	\$82.77
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SPECIALIZED EARTH MOVING EQUIP > 35 TONS TEAMSTERS JOINT COUNCIL NO. 10	12/1/2024	\$41.63	\$14.91	\$20.17	\$0.00	\$0.00	\$76.71
	6/1/2025	\$42.63	\$14.91	\$20.17	\$0.00	\$0.00	\$77.71
	8/1/2025	\$42.63	\$15.41	\$20.17	\$0.00	\$0.00	\$78.21
	12/1/2025	\$42.63	\$15.41	\$21.78	\$0.00	\$0.00	\$79.82
	6/1/2026	\$43.63	\$15.41	\$21.78	\$0.00	\$0.00	\$80.82
	8/1/2026	\$43.63	\$15.91	\$21.78	\$0.00	\$0.00	\$81.32
	12/1/2026	\$43.63	\$15.91	\$23.52	\$0.00	\$0.00	\$83.06
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SPRINKLER FITTER SPRINKLER FITTERS LOCAL 550	3/1/2025	\$72.14	\$11.51	\$7.30	\$16.50	\$0.00	\$107.45

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: SPRINKLER FITTER Effective Date: 3/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	35.00	\$25.25	\$11.51	\$13.07	\$0.00	\$0.00	\$49.83
2	40.00	\$28.86	\$11.51	\$13.90	\$0.00	\$0.00	\$54.27
3	45.00	\$32.46	\$11.51	\$14.73	\$0.00	\$0.00	\$58.70
4	50.00	\$36.07	\$11.51	\$15.55	\$0.00	\$0.00	\$63.13
5	55.00	\$39.68	\$11.51	\$16.37	\$0.00	\$0.00	\$67.56
6	60.00	\$43.28	\$11.51	\$17.20	\$0.00	\$0.00	\$71.99
7	65.00	\$46.89	\$11.51	\$18.03	\$0.00	\$0.00	\$76.43
8	70.00	\$50.50	\$11.51	\$18.85	\$0.00	\$0.00	\$80.86
9	75.00	\$54.11	\$11.51	\$19.67	\$0.00	\$0.00	\$85.29
10	80.00	\$57.71	\$11.51	\$20.50	\$0.00	\$0.00	\$89.72
STEAM BOILER OPERATOR OPERATING ENGINEERS LOCAL 4		12/1/2024	\$56.40	\$15.55	\$13.25	\$3.25	\$88.45
		6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$89.73
		12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$91.17
		6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$92.45
		12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$93.89
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
TAMPERS, SELF-PROPELLED OR TRACTOR DRAWN OPERATING ENGINEERS LOCAL 4		12/1/2024	\$56.40	\$15.55	\$13.25	\$3.25	\$88.45
		6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$89.73
		12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$91.17
		6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$92.45
		12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$93.89
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
TELECOMMUNICATION TECHNICIAN ELECTRICIANS LOCAL 103		3/1/2025	\$51.41	\$13.00	\$13.92	\$6.98	\$85.31
		9/1/2025	\$52.94	\$13.00	\$13.97	\$6.98	\$86.89
		3/1/2026	\$53.90	\$13.00	\$14.00	\$6.98	\$87.88
		9/1/2026	\$55.42	\$13.00	\$14.04	\$6.98	\$89.44
		3/1/2027	\$56.38	\$13.00	\$14.07	\$6.98	\$90.43
		9/1/2027	\$57.91	\$13.00	\$14.12	\$6.98	\$92.01
		3/1/2028	\$58.87	\$13.00	\$14.15	\$6.98	\$93.00
Apprentice: TELECOMMUNICATION TECHNICIAN Effective Date: 3/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	45.00	\$23.13	\$13.00	\$0.69	\$0.00	\$0.00	\$36.82
2	45.00	\$23.13	\$13.00	\$0.69	\$0.00	\$0.00	\$36.82
3	50.00	\$25.71	\$13.00	\$13.15	\$3.49	\$0.00	\$55.35
4	50.00	\$25.71	\$13.00	\$13.15	\$3.49	\$0.00	\$55.35
5	55.00	\$28.28	\$13.00	\$13.23	\$3.84	\$0.00	\$58.35

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: TELECOMMUNICATION TECHNICIAN							
Effective Date: 3/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
6	60.00	\$30.85	\$13.00	\$13.31	\$4.19	\$0.00	\$61.35
7	65.00	\$33.42	\$13.00	\$13.38	\$4.54	\$0.00	\$64.34
8	70.00	\$35.99	\$13.00	\$13.46	\$4.89	\$0.00	\$67.34
9	75.00	\$38.56	\$13.00	\$13.54	\$5.24	\$0.00	\$70.34
10	80.00	\$41.13	\$13.00	\$13.61	\$5.58	\$0.00	\$73.32
Apprentice: TELECOMMUNICATION TECHNICIAN							
Effective Date: 9/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	45.00	\$23.82	\$13.00	\$0.71	\$0.00	\$0.00	\$37.53
2	45.00	\$23.82	\$13.00	\$0.71	\$0.00	\$0.00	\$37.53
3	50.00	\$26.47	\$13.00	\$13.17	\$3.49	\$0.00	\$56.13
4	50.00	\$26.47	\$13.00	\$13.17	\$3.49	\$0.00	\$56.13
5	55.00	\$29.12	\$13.00	\$13.25	\$3.84	\$0.00	\$59.21
6	60.00	\$31.76	\$13.00	\$13.33	\$4.19	\$0.00	\$62.28
7	65.00	\$34.41	\$13.00	\$13.41	\$4.54	\$0.00	\$65.36
8	70.00	\$37.06	\$13.00	\$13.49	\$4.89	\$0.00	\$68.44
9	75.00	\$39.71	\$13.00	\$13.57	\$5.24	\$0.00	\$71.52
10	80.00	\$42.35	\$13.00	\$13.65	\$5.58	\$0.00	\$74.58
TERRAZZO FINISHERS	2/1/2025	\$64.74	\$11.49	\$15.57	\$8.02	\$0.00	\$99.82
BRICKLAYERS LOCAL 3	8/1/2025	\$66.89	\$11.49	\$15.57	\$8.02	\$0.00	\$101.97
	2/1/2026	\$68.24	\$11.49	\$15.57	\$8.02	\$0.00	\$103.32
	8/1/2026	\$70.44	\$11.49	\$15.57	\$8.02	\$0.00	\$105.52
	2/1/2027	\$71.84	\$11.49	\$15.57	\$8.02	\$0.00	\$106.92
Apprentice: TERRAZZO FINISHERS							
Effective Date: 2/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$32.37	\$11.49	\$15.57	\$8.02	\$0.00	\$67.45
2	60.00	\$38.84	\$11.49	\$15.57	\$8.02	\$0.00	\$73.92
3	70.00	\$45.32	\$11.49	\$15.57	\$8.02	\$0.00	\$80.40
4	80.00	\$51.79	\$11.49	\$15.57	\$8.02	\$0.00	\$86.87
5	90.00	\$58.27	\$11.49	\$15.57	\$8.02	\$0.00	\$93.35
Apprentice: TERRAZZO FINISHERS							
Effective Date: 8/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate																																																
<div>Apprentice: TERRAZZO FINISHERS</div> <div>Effective Date: 8/1/2025</div> <table><thead><tr><th>Step</th><th>Percent</th><th>Apprentice Base Wage</th><th>Health</th><th>Pension</th><th>Annuity</th><th>Supplemental Unemployment</th><th>Total Rate</th></tr></thead><tbody><tr><td>1</td><td>50.00</td><td>\$33.45</td><td>\$11.49</td><td>\$15.57</td><td>\$8.02</td><td>\$0.00</td><td>\$68.53</td></tr><tr><td>2</td><td>60.00</td><td>\$40.13</td><td>\$11.49</td><td>\$15.57</td><td>\$8.02</td><td>\$0.00</td><td>\$75.21</td></tr><tr><td>3</td><td>70.00</td><td>\$46.82</td><td>\$11.49</td><td>\$15.57</td><td>\$8.02</td><td>\$0.00</td><td>\$81.90</td></tr><tr><td>4</td><td>80.00</td><td>\$53.51</td><td>\$11.49</td><td>\$15.57</td><td>\$8.02</td><td>\$0.00</td><td>\$88.59</td></tr><tr><td>5</td><td>90.00</td><td>\$60.20</td><td>\$11.49</td><td>\$15.57</td><td>\$8.02</td><td>\$0.00</td><td>\$95.28</td></tr></tbody></table>								Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate	1	50.00	\$33.45	\$11.49	\$15.57	\$8.02	\$0.00	\$68.53	2	60.00	\$40.13	\$11.49	\$15.57	\$8.02	\$0.00	\$75.21	3	70.00	\$46.82	\$11.49	\$15.57	\$8.02	\$0.00	\$81.90	4	80.00	\$53.51	\$11.49	\$15.57	\$8.02	\$0.00	\$88.59	5	90.00	\$60.20	\$11.49	\$15.57	\$8.02	\$0.00	\$95.28
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate																																																
1	50.00	\$33.45	\$11.49	\$15.57	\$8.02	\$0.00	\$68.53																																																
2	60.00	\$40.13	\$11.49	\$15.57	\$8.02	\$0.00	\$75.21																																																
3	70.00	\$46.82	\$11.49	\$15.57	\$8.02	\$0.00	\$81.90																																																
4	80.00	\$53.51	\$11.49	\$15.57	\$8.02	\$0.00	\$88.59																																																
5	90.00	\$60.20	\$11.49	\$15.57	\$8.02	\$0.00	\$95.28																																																
TEST BORING DRILLER LABORERS	12/1/2024	\$50.20	\$9.90	\$9.25	\$9.80	\$0.00	\$79.15																																																
	6/1/2025	\$51.70	\$9.90	\$9.25	\$9.80	\$0.00	\$80.65																																																
	12/1/2025	\$53.20	\$9.90	\$9.25	\$9.80	\$0.00	\$82.15																																																
	6/1/2026	\$54.75	\$9.90	\$9.25	\$9.80	\$0.00	\$83.70																																																
	12/1/2026	\$56.25	\$9.90	\$9.25	\$9.80	\$0.00	\$85.20																																																
For apprentice rates see "Apprentice- LABORER"																																																							
TEST BORING DRILLER HELPER LABORERS	12/1/2024	\$46.32	\$9.90	\$9.25	\$9.80	\$0.00	\$75.27																																																
	6/1/2025	\$47.82	\$9.90	\$9.25	\$9.80	\$0.00	\$76.77																																																
	12/1/2025	\$49.32	\$9.90	\$9.25	\$9.80	\$0.00	\$78.27																																																
	6/1/2026	\$50.87	\$9.90	\$9.25	\$9.80	\$0.00	\$79.82																																																
	12/1/2026	\$52.37	\$9.90	\$9.25	\$9.80	\$0.00	\$81.32																																																
For apprentice rates see "Apprentice- LABORER"																																																							
TEST BORING LABORER LABORERS	12/1/2024	\$46.20	\$9.90	\$9.25	\$9.80	\$0.00	\$75.15																																																
	6/1/2025	\$47.70	\$9.90	\$9.25	\$9.80	\$0.00	\$76.65																																																
	12/1/2025	\$49.20	\$9.90	\$9.25	\$9.80	\$0.00	\$78.15																																																
	6/1/2026	\$50.75	\$9.90	\$9.25	\$9.80	\$0.00	\$79.70																																																
	12/1/2026	\$52.25	\$9.90	\$9.25	\$9.80	\$0.00	\$81.20																																																
For apprentice rates see "Apprentice- LABORER"																																																							
TRACTORS/PORTABLE STEAM GENERATORS OPERATING ENGINEERS LOCAL 4	12/1/2024	\$56.40	\$15.55	\$13.25	\$3.25	\$0.00	\$88.45																																																
	6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$0.00	\$89.73																																																
	12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$0.00	\$91.17																																																
	6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$0.00	\$92.45																																																
	12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$0.00	\$93.89																																																
For apprentice rates see "Apprentice- OPERATING ENGINEERS"																																																							
TRAILERS FOR EARTH MOVING EQUIPMENT TEAMSTERS JOINT COUNCIL NO. 10	12/1/2024	\$41.92	\$14.91	\$20.17	\$0.00	\$0.00	\$77.00																																																
	6/1/2025	\$42.92	\$14.91	\$20.17	\$0.00	\$0.00	\$78.00																																																
	8/1/2025	\$42.92	\$15.41	\$20.17	\$0.00	\$0.00	\$78.50																																																
	12/1/2025	\$42.92	\$15.41	\$21.78	\$0.00	\$0.00	\$80.11																																																
	6/1/2026	\$43.92	\$15.41	\$21.78	\$0.00	\$0.00	\$81.11																																																
	8/1/2026	\$43.92	\$15.91	\$21.78	\$0.00	\$0.00	\$81.61																																																
	12/1/2026	\$43.92	\$15.91	\$23.52	\$0.00	\$0.00	\$83.35																																																
TUNNEL WORK - COMPRESSED AIR LABORERS	12/1/2024	\$58.43	\$9.90	\$9.25	\$10.25	\$0.00	\$87.83																																																
	6/1/2025	\$59.93	\$9.90	\$9.25	\$10.25	\$0.00	\$89.33																																																
	12/1/2025	\$61.43	\$9.90	\$9.25	\$10.25	\$0.00	\$90.83																																																

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
	6/1/2026	\$62.98	\$9.90	\$9.25	\$10.25	\$0.00	\$92.38
	12/1/2026	\$64.48	\$9.90	\$9.25	\$10.25	\$0.00	\$93.88
For apprentice rates see "Apprentice- LABORER"							
TUNNEL WORK - COMPRESSED AIR (HAZ. WASTE) LABORERS	12/1/2024	\$60.43	\$9.90	\$9.25	\$10.25	\$0.00	\$89.83
	6/1/2025	\$61.93	\$9.90	\$9.25	\$10.25	\$0.00	\$91.33
	12/1/2025	\$63.43	\$9.90	\$9.25	\$10.25	\$0.00	\$92.83
	6/1/2026	\$64.98	\$9.90	\$9.25	\$10.25	\$0.00	\$94.38
	12/1/2026	\$66.48	\$9.90	\$9.25	\$10.25	\$0.00	\$95.88
For apprentice rates see "Apprentice- LABORER"							
TUNNEL WORK - FREE AIR LABORERS	12/1/2024	\$50.50	\$9.90	\$9.25	\$10.25	\$0.00	\$79.90
	6/1/2025	\$52.00	\$9.90	\$9.25	\$10.25	\$0.00	\$81.40
	12/1/2025	\$53.50	\$9.90	\$9.25	\$10.25	\$0.00	\$82.90
	6/1/2026	\$55.05	\$9.90	\$9.25	\$10.25	\$0.00	\$84.45
	12/1/2026	\$56.55	\$9.90	\$9.25	\$10.25	\$0.00	\$85.95
For apprentice rates see "Apprentice- LABORER"							
TUNNEL WORK - FREE AIR (HAZ. WASTE) LABORERS	12/1/2024	\$52.50	\$9.90	\$9.25	\$10.25	\$0.00	\$81.90
	6/1/2025	\$54.00	\$9.90	\$9.25	\$10.25	\$0.00	\$83.40
	12/1/2025	\$55.50	\$9.90	\$9.25	\$10.25	\$0.00	\$84.90
	6/1/2026	\$57.05	\$9.90	\$9.25	\$10.25	\$0.00	\$86.45
	12/1/2026	\$58.55	\$9.90	\$9.25	\$10.25	\$0.00	\$87.95
For apprentice rates see "Apprentice- LABORER"							
VAC-HAUL TEAMSTERS JOINT COUNCIL NO. 10	12/1/2024	\$41.34	\$14.91	\$20.17	\$0.00	\$0.00	\$76.42
	6/1/2025	\$42.34	\$14.91	\$20.17	\$0.00	\$0.00	\$77.42
	8/1/2025	\$42.34	\$15.41	\$20.17	\$0.00	\$0.00	\$77.92
	12/1/2025	\$42.34	\$15.41	\$21.78	\$0.00	\$0.00	\$79.53
	6/1/2026	\$43.34	\$15.41	\$21.78	\$0.00	\$0.00	\$80.53
	8/1/2026	\$43.34	\$15.91	\$21.78	\$0.00	\$0.00	\$81.03
	12/1/2026	\$43.34	\$15.91	\$23.52	\$0.00	\$0.00	\$82.77
WAGON DRILL OPERATOR LABORERS	12/1/2024	\$46.35	\$9.90	\$9.25	\$9.65	\$0.00	\$75.15
	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75
For apprentice rates see "Apprentice- LABORER"							
WAGON DRILL OPERATOR (HEAVY & HIGHWAY) LABORERS	12/1/2024	\$46.45	\$9.90	\$9.25	\$9.65	\$0.00	\$75.25
	6/1/2025	\$47.95	\$9.90	\$9.25	\$9.65	\$0.00	\$76.75
	12/1/2025	\$49.45	\$9.90	\$9.25	\$9.65	\$0.00	\$78.25
	6/1/2026	\$51.00	\$9.90	\$9.25	\$9.65	\$0.00	\$79.80
	12/1/2026	\$52.50	\$9.90	\$9.25	\$9.65	\$0.00	\$81.30
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"							

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
WASTE WATER PUMP OPERATOR OPERATING ENGINEERS LOCAL 4	12/1/2024	\$57.03	\$15.55	\$13.25	\$3.25	\$0.00	\$89.08
	6/1/2025	\$58.33	\$15.55	\$13.25	\$3.25	\$0.00	\$90.38
	12/1/2025	\$59.78	\$15.55	\$13.25	\$3.25	\$0.00	\$91.83
	6/1/2026	\$61.08	\$15.55	\$13.25	\$3.25	\$0.00	\$93.13
	12/1/2026	\$62.53	\$15.55	\$13.25	\$3.25	\$0.00	\$94.58

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

WATER METER INSTALLER PLUMBERS & GASFITTERS LOCAL 12	3/2/2025	\$69.84	\$14.32	\$12.31	\$8.00	\$0.00	\$104.47
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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.