

Invitation for Bids (IFB)  
Specifications & Bid Price Forms  
For  
#18-05 Infrared Patching/Various Locations



TOWN OF ARLINGTON

730 Massachusetts Avenue

Arlington, MA 02476

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**TOWN OF ARLINGTON  
MASSACHUSETTS**

**INVITATION FOR BID**

**BID #18-05 INFRARED PATCHING/VARIOUS LOCATIONS**

Sealed bids pursuant to the Uniform Procurement Act., Ch. 30B are invited and will be received by the Town Manager, Town of Arlington, Massachusetts, until **10:00 A.M. Thursday, July 19, 2018**, at the Town Manager's Office/Purchasing Dept., Town Hall Annex, 730 Massachusetts Avenue, Arlington, Massachusetts, 02476 at which time and place they will be publicly opened and read. Bids to receive consideration must be in the hands of the Purchasing Agent or his authorized representative not later than the day and hour above mentioned.

Bids received after this time will not be accepted. Specifications and Proposal Forms may be obtained at the Office of the Purchasing Agent, 730 Massachusetts Avenue, Arlington, MA.

All bids must be in sealed envelopes plainly marked: **BID #18-05: INFRARED PATCHING/VARIOUS LOCATIONS, THURSDAY, JULY 19, 2018 @ 10:00 A.M.**

Attention is called to the fact that minimum wage rates and health and welfare and pension fund contributions are established for this contract and are a part of the specifications.

Pursuant to MGL Chapter 30B, §10, a Certificate of Non-Collusion must be submitted with all bids. In addition, bidders must certify compliance with MGL Chapter 62C, §49A.

For further information please contact Domenic R. Lanzillotti, Purchasing Officer at (781) 316-3010.

The Town Manager reserves the right to cancel any Invitation for Bid, to reject in whole or in part any and all bids, when it is deemed in the best interest of the Town to do so.

TOWN OF ARLINGTON

Adam W. Chapdelaine  
Town Manager

June 27, 2018

# SPECIFICATIONS

## Special Provisions

### **Pricing**

Bid Item numbers reference MHD Standard Specifications Numerical Index of Payment Items. Mobilization and safety signage for construction operations shall be considered part of, and should be included as, part of every item.

Bituminous concrete prices shall include all costs associated with producing, delivering, applying and finishing the work, unless otherwise specified.

Tonnages shall be based upon weight slips specific to each load presented to and signed by the "DPW Agent"<sup>1</sup> at the time and site of application. Only automated printed tonnage slips will be accepted.

Quantities measured other than by weight are subject to signed verification of the DPW Agent.

### **Renting Equipment**

Prices for hourly rental of work-related machinery, operator and fuel are called for in anticipation of unforeseen circumstances that may arise necessitating the use of special equipment to work in conjunction with Town forces. Such rentals are not to be included with Unit Bid Prices that total into the Award amount.

### **Direction and Oversight of the Work**

All supervision and direction of the Work, all authorizations of variance from specifications, and all field decisions of the Town shall be communicated to the Contractor by the DPW Agent, also referred to as the "Town".

### **Miscellaneous Provisions**

The Town of Arlington will pay for police traffic safety and fire details that may be required.

The Contractor will make every effort to avoid damaging abutting property. The Contractor will restore such property damaged by his equipment or personnel to its pre-damage condition, or if so determined by the Town, restoration will be done by others at the Contractor's expense.

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<sup>1</sup> The "DPW Agent" is the person authorized to act on behalf of the Town in relation to the performance of work subject to this specification. Such person(s) may vary in name and title from day to day, but shall always be whoever is designated by the Public Works department head and made known to the Contractor.

# General Work Specifications

## **Scope of Work**

The work under this contract consists of furnishing all necessary labor, materials, equipment and services to perform Bituminous Road Repair by the Infrared Heater Method at Various Locations in the Town of Arlington, as well as all incidental items necessary to complete work described herein.

All materials and work under this contract shall be in conformance with the latest editions of:

- Massachusetts Highway Department's (MHD) Standard Specifications for Highways and Bridges, Supplemental Specifications, and Standard Special Provisions
- Construction and Traffic Standard Details
- The Manual on Uniform Traffic Control Devices
- Massachusetts Highway Department's (MHD) Wheel Chair Ramp Standard
- The American Water Works Association's Standard for the Installation of Ductile-Iron Water Mains and Their Appurtenances
- The Standard Drawings for Signs and Support.

## **Location of Project**

The work to be performed will be located on various streets in the Town of Arlington at the direction of the Engineering Division.

## **Work Schedule**

Work on this project is restricted to a normal 8-hour day, 5-day week, with the Prime Contractor and all Subcontractors working on the same shift.

No work shall be performed or scheduled on Holidays. Work will not be allowed the day before or the day after a long weekend, which included a Holiday, without prior approval by the Engineer.

It is recognized that weather and temperature constraints for this type of work are restricted; therefore the Contractor shall schedule the work to reflect these conditions.

## **Accessibility**

During construction, the Contractor shall maintain at least one 12-foot travel lane during the day and shall open the road up to two-way traffic at the end of the work day. Any traffic police details that may be required of this work are to be ordered by the Contractor, but will be paid for by the Town of Arlington.

The Contractor shall maintain access to all driveways at all times. If access to any driveways cannot be maintained, the Contractor shall notify the Engineer and persons affected, in writing, at least one (1) week in advance of the planned discontinuance.

Reflectorized barrels, construction signing and other devices deemed necessary by the Engineer and/or Traffic Detail Officers shall be utilized to direct traffic safely through the construction zone.

### **Community Notification, Coordination, and Parking Restrictions**

Contractor shall be responsible for posting Notices to residents affected by proposed construction throughout the course of the project. At minimum, Notices will be required for the following: project introduction (type of work, anticipated start of work and duration, etc.); emergency contact information; road closures; utility shutdowns; emergency conditions; and progress updates, as applicable. Additional Notices may be required by the Engineering Division at no additional cost to the Town. Unless otherwise noted or agreed upon in writing, Notices shall be prepared by the Contractor, submitted to the Engineering Division for review and approval, and distributed by the Contractor upon approval by the Engineering Division. In instances where standard notices have already been developed by the Engineering Division, these notices may be provided by the Engineering Division and distributed by the Contractor.

The contractor shall coordinate work plans with all necessary Town Departments (e.g. Water/Sewer Division, Police Department, Fire Department, etc.) and other organizations (e.g. MBTA for road closures with bus routes, MWRA, DigSafe, utility companies, etc.) affected by construction and as directed by the Engineering Division.

The Contractor shall provide emergency contact information for residents, Town departments, and other applicable organizations prior to the start of construction.

The Contractor shall post "No Parking" signs in areas of proposed work a minimum of 48 hours prior to construction as directed by the Engineering Division. The Contractor may obtain standard no parking signs from the Engineering Division upon which they shall clearly note the date and time of restrictions. Should the Contractor decide to use their own signs, they shall first be provided for review and approval by the Engineering Division. The Contractor is responsible for maintaining and replacing signs in place and/or modifying date and time restrictions as necessary.

### **Sanitary Provisions**

The Contractor shall provide adequate sanitary facilities and maintain in a neat and sanitary condition such accommodations for the use of their employees as may be necessary to comply with the requirements of the State Department of Public Health, local health officials, and other authorities having jurisdiction. Every precaution shall be taken to prevent contamination or pollution of the ground at the site, or of any material or equipment which is to be incorporated in or used in the construction of any work under this contract.

Sanitary facilities shall be available when the first employees arrive on the site of the work, shall be properly secluded from public observation, and shall be provided and maintained during the progress of the work in suitable numbers and at such points and in such manner as may be required. Sanitary facilities shall be removed, and the surrounding areas properly cleaned and disinfected, upon completion of the work.

The Contractor shall maintain the sanitary facilities in a satisfactory and sanitary condition at all times and shall enforce their use. The Contractor shall rigorously prohibit the committing of nuisances by employees on the site of the work, on the lands of the Owner, or on adjacent property.

### **Management of Debris, Refuse, and Garbage**

Debris, refuse, and other garbage of any kind shall not be permitted to accumulate at any of the proposed work locations or storage areas. Debris, refuse, scrap, garbage, etc. shall be removed from the project location sites on a daily basis by the Contractor and disposed of in accordance with all Local, State, and Federal regulations. Removal and disposal of all debris, refuse, garbage, etc. shall be completed at the full cost & responsibility of the Contractor. Should the improper handling of debris, refuse, or other garbage result in pest and/or vermin infestations, the Contractor shall provide pest/vermin control services as directed by the Town. Pest/vermin control services shall be provided at no additional cost to the Town.

### **Clean up**

The work site and adjacent areas affected thereby shall at all times present a neat and orderly appearance.

The Contractor must employ at all times during the progress of their work, adequate cleanup measures and safety precautions to prevent injuries to persons or damage to property. The Contractor shall clean up, at least daily, all refuse, rubbish, scrap and surplus material, debris and unneeded construction equipment resulting from the construction operations and sweep the area if necessary or directed by the Engineer.

Suitable materials, equipment, and methods shall be used for such restoration. The restoration of existing property or structures shall be done as promptly as practicable as work progresses and shall not be left until the end of the Contract period.

Where material or debris has washed or flowed into or been placed in existing watercourses, ditches, gutters, drains, pipes structures, or elsewhere during the course of the Contractor's operations, such material or debris shall be entirely removed by the contractor and satisfactorily disposed of during the progress of the work, and the ditches, channels, drains, pipes, structures, etc., shall, upon completion of the work, be left in a clean and neat condition.

Upon written notification by the Engineer, the Contractor shall within 24 hours clean up those areas, which in the Engineer's opinion are in violation of this section and the above referenced sections of the specifications. If in the opinion of the Engineer, the referenced areas are not satisfactorily cleaned up, all other work on the project shall stop until the cleanup is satisfactory.

The Contractor shall restore or replace, when and as directed by the Town, any public or private property damaged by their work, equipment, or employees, to a condition at least equal to that existing immediately prior to the beginning of operations. To this end, the Contractor shall repair as required all necessary highway, driveway, walk, and landscaping work damaged or disrupted during the course of the Contractor's work.

Before acceptance of work by the Owner, the Contractor shall perform a final cleanup to bring the construction site to its original or specified condition. Unless otherwise explicitly directed or permitted in writing, the Contractor shall, as part of this final cleanup, tear down and remove all temporary buildings and structures built by them; shall remove all temporary works, tools, and

machinery or other construction equipment furnished by them; shall remove, acceptably disinfect, and cover all organic matter and material containing organic matter in, under, and around sanitary facilities and other buildings used by them; shall remove all rubbish from any grounds which they have occupied; and shall leave the roads and all parts of the premises and adjacent property affected by their operations in a neat and satisfactory condition. Before acceptance, the Engineer shall approve the condition of the site.

### **Worksite Dust Control**

The worksite shall be kept free of dust and other sediments to the greatest extent practical. In an effort to accomplish this, on a weekly basis at minimum, the entire site shall be swept by a vehicle-mounted, mechanical sweeper. Further, on days in which work is completed within any designated resource area, the work area within this buffer zone shall be swept on a daily basis. All sweepings and material collected from these required cleanings shall be properly disposed of at the full cost and responsibility of the Contractor.

Between sweepings, the Contractor shall use calcium chloride as needed to control dust on-site. Calcium chloride shall be applied when ordered by the Engineer and only in areas which will not be adversely affected by the application. Calcium chloride shall be uniformly applied at the rate of 1 ½ pounds per square yard or at any other rate as directed by the Engineer. Application shall be by means of a mechanical spreader or other approved methods. The number and frequency of applications shall be determined by the Engineer. The application of calcium chloride shall not be permitted in designated environmental resource areas or buffer zones without the prior consent of the Town of Arlington Conservation Commission.

Calcium chloride used on-site shall conform to the requirements of AASHTO-M144, Type I or Type II and Specification for Calcium Chloride, ASTM D98. The calcium chloride shall be packaged in moisture proof bags or in airtight drums with the manufacturer, name of product, net weight, and percentage of calcium chloride guaranteed by the manufacturer legibly marked on each container. Calcium chloride failing to meet the requirements of the aforementioned specifications or that which has become caked or sticky in shipment, may be rejected by the Engineer.



# Construction Methods And Materials Specifications

## 1. WORK PROCEDURE

- A. The area to be repaired shall be swept clean to remove all loose and foreign material.
- B. An approved infrared heater shall be placed over the area to be repaired for a sufficient time until a depth of two (2) or more inches of existing pavement has been softened. The heater must be capable of producing a true infrared ray with a minimum of convection heat.
- C. Care must be taken to avoid oxidation of the pavement by improper heating techniques. If this condition occurs, the unsuitable material must be discarded.
- D. The softened area shall be scarified and raked to a workable condition.
- E. Surplus material must be removed, or bituminous concrete top added as required to bring the heated area to the desired grade.
- F. Any additional bituminous concrete top needed for the above work shall be obtained from a suitable infrared heated storage unit to keep the asphalt mix at a proper working temperature of 270 to 300 degrees Fahrenheit. The asphalt to be used will be 3/8" top mix or as directed by the Town of Arlington.
- G. After the paving mixture has been properly blended, spread and raked to grade, compaction shall be obtained by use of a power roller of sufficient weight to establish a uniform density comparable to that of adjacent surfaces within the work area. The finished patch shall be level with no depression holding water on any of its surface.
- H. The edges of the rolled area shall be sealed with a specified petroleum emulsion and a diluted specified petroleum emulsion shall be uniformly hand sprayed on the patched area. Mineral filler will then be spread over the entire newly patched area.
- I. The work area shall then be swept of all old and excess material, and left in a neat condition. Traffic shall be kept off the patch area to allow for proper cooling time to prevent damage or distortion of patch.
- J. The petroleum emulsion shall conform to the following specifications:

PROPERTY	TEST METHOD	REQUIREMENTS
Viscosity @ 25 degrees C	ASTM D-244-76	25-150
Sieve Test %w (MOD) (1)	ASTM D-244-77	0.1 max
Particle Charge Test	ASTM D-244-77	Positive
Cement Mixing Test, %w	ASTM D-244-77	2.0 max
Pumping Stability	(2)	Pass
5-day Settlement Test, %w	ASTM D-244-77	5.0 max
Residue, %w (MOD) (3)	ASTM D-244-77	62 min
<b>TEST ON RESIDUE FROM DISTILLATION</b>		
Viscosity @ 25 degrees C	ASTM D-2170-76	1,500 – 4,000
Maltene Distribution Ratio $\frac{PC + A1}{S + A2}$ (4)	ASTM D-2006-70	0.7 – 1.1
PC/S Ratio	ASTM D-2006-70	0.5 min
Asphaltenes, %w	ASTM D-2006-70	11.0

- (1) Test procedure identical with ASTM D-244 except that distilled water shall be used in place of two percent sodium oleate solution.
- (2) Pumping Stability is determined by charging 450 ml of emulsion into a one-liter beaker and circulating the emulsion through a gear pump having a ¼” inlet and outlet. The emulsion passes if there is not significant oil separation after circulating ten minutes.
- (3) ASTM D-244 Evaporation Test for percent of residue is modified by heating a 50 gram sample to 149 degrees C until foaming ceases, then cooling immediately and calculating results.
- (4) In the Maltenes Distribution Ratio Test by ASTM Method D-2006-70:

PC=Polar Compounds  
A1=First Acidaffins  
A2=Second Acidaffins  
S=Saturated Hydrocarbons

## 2. SECTION 850      TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE OPERATIONS

### SUBSECTION 850.21 SAFETY CONTROLS FOR CONSTRUCTION OPERATIONS

*Add the following at the end of this subsection:*

Payment for safety controls for construction operations shall be considered incidental to the contract and the costs included in the unit bid price for those items requiring such controls. Item 851 is not included in this contract.

**SUBSECTION 850.22 SAFETY SIGNING FOR CONSTRUCTION OPERATIONS**

*Add the following at the end of this subsection:*

Safety Signage for Construction Operations shall be considered incidental to the work and may also include, but is not limited to, the following signs, mounted temporarily on their own posts or stands, as directed by the Engineer, as required for detour work:

DESIGNATION	SIZE	SIGN WORDING
M4-9L	30" x 24"	← DETOUR
M4-9R	30" x 24"	DETOUR→
M4-9U	30" x 24"	DETOUR ↑
M4-8A	24" x 18"	END DETOUR
R11-2	48" x 30"	ROAD CLOSED
R11-4	48" x 30"	ROAD CLOSED TO THRU TRAFFIC
N/A	48" x 36"	ROAD CONSTRUCTION BEGINS "Insert timeframe here" SEEK ALTERNATE ROUTES
W20-1	48" x 48"	ROAD WORK AHEAD
W8-8	30" x 30"	ROUGH ROAD
W8-3	30" x 30"	PAVEMENT ENDS
W8-1	30" x 30"	BUMP
G20-2A	36" x 18"	END ROAD WORK

The Contractor shall furnish, erect, remove, cover, relocate, and replace if necessary, all signs as directed by the Engineer. All signs shall be removed when no longer required.

*Add this new subsection:*

**SUBSECTION 850.38 TRAFFIC POLICE DETAILS AND FIRE DETAILS**

This work consists of scheduling Traffic Police Details when construction operations involve work which is of a nature where the use of a Traffic Police Detail would be required to increase safety of the general public and construction personnel.

This work also consists of scheduling Fire Details when construction operations involve blasting work. A Fire Detail will be required at all times explosives are present on site.

Scheduling of Details is the responsibility of the Contractor.

The Contractor is responsible for canceling Details directly in the event of schedule changes where work no longer requires the use of Details, or cancellations of work for any reason,

including weather. A minimum of one hour prior to scheduled time must be required to cancel Detail.

Contractors that cancel scheduled work to which police, flag people or public works personnel are assigned on an additional pay basis are subject to contract back charges.

Police and fire details as required will be paid for directly by the Town of Arlington.

## Miscellaneous Conditions

### **Prosecution of Work and Provisions for Travel**

The Contractor shall give notice in writing to the Engineer at least seven days in advance of beginning any work affecting the maintenance of traffic where work affects the street in use by the public.

Before starting any work under this Contract, the Contractor shall submit their schedule of operations as provided herein.

The Contractor must prosecute the work efficiently and with the least possible delay.

The Contractor shall provide safe and convenient means of access to all buildings of property along the line of work at all times, coordinate the scheduling of safety and traffic details with the Arlington Police Department, and provide notification to the Arlington Department of Public Works and direct abutters at least one (1) business day prior to commencement of work adjacent to said abutter property.

### **Provisions for Access at All Locations**

The Contractor shall cooperate with the various utility companies and provide access through a worksite if required for their work in connection with this project.

All permanent and temporary surfaces open for traffic during construction shall be maintained by the Contractor, as directed, in accordance with the provisions of herein.

THE TOWN WILL NOT ACCEPT ANY MATERIALS DELIVERED TO ANY PROJECT IN MOTOR VEHICLES OR SEMI-TRAILER UNITS THAT EXCEED THE LEGAL MAXIMUM GROSS WEIGHT ALLOWED FOR THE PARTICULAR CLASS, AS SPECIFIED IN SECTION 19 A OF CHAPTER 90 OF THE GENERAL LAWS OF MASSACHUSETTS.

### **Maintenance of Traffic**

During construction, the Contractor shall maintain two way traffic at all times. The Contractor shall make every effort to maintain access to all drives at all times. If access to any drives cannot be maintained, the Contractor shall notify the Engineer and persons affected, in writing, at least one (1) week in advance of the planned discontinuance. In any case, the access shall not be discontinued for more than two (2) consecutive days without obtaining the written authorization of the Engineer.

A minimum of 24-hours prior to commencing work, the permit applicant shall contact the Town of Arlington Police Department to determine if a Police Safety Detail will be required for the proposed work.

The use of a Police Safety Detail does not eliminate the need for proper warning signs and traffic control devices during the course of construction.

It shall be the sole responsibility of the contractor to provide & employ appropriate construction signage and barriers/cones/etc as needed. All signs and devices shall be in accordance with the Manual on Uniform Traffic Control Devices for Streets and Highways and all applicable MassDOT Standards/Requirements.

Additional signage and devices shall be provided and installed as deemed necessary by the Department of Public Works and/or Police Department for the safe and efficient performance of the work and the safety of the traveling public.

During the entire course of work, the applicant and/or owner shall be responsible to properly delineate & protect the job site in accordance with current MUTCD Standards to the full satisfaction of the Arlington Police Department. Failure or inability to provide appropriate devices & signage may result in work being suspended at the discretion of the Town of Arlington.

Reflective barrels, construction signage and other devices deemed necessary by the Engineer shall be utilized to direct vehicular and pedestrian traffic safely through the construction zone. All work left unattended shall be plated or ramped and suitable work safety devices and methods shall be utilized as necessary. All sidewalks and ramps shall be barricaded with reflective barrels and warning flagging where surfaces are impaired. If determined, signs may be needed on sidewalks to direct pedestrians around construction zone. Temporary stop and one-way signs may be needed until permanent signs are installed.

All signs, barricades, and barrels shall be in accordance with materials Specification M9.30.2 of the Department's "Standard Specifications for Highways and Bridges, 1988 Edition.

#### **Protection of Utilities and Property**

The Contractor shall be responsible for maintenance and protection of all utilities and shall repair at their own expense any damage to such structures caused by their act or neglect, and shall leave them in as good condition as they were previous to the commencement of the work. In cases of damage to utilities caused by them resulting in an emergency, the Contractor shall promptly warn the Owner and shall, if requested, furnish laborers to work temporarily under the Owner's direction in getting access to the utility. Pipes or other structures damaged by the operation of the Contractor may be repaired by the Town, Department or Company, which suffers the loss. The cost of such repairs shall be at the expense of the Contractor.

# PROPOSAL

To the Town of Arlington, Massachusetts, herein called the TOWN, acting through its Town Manager; the undersigned, as bidder, declares as follows:

- a. The only persons or parties interested in this proposal as Principals are named in this proposal;
- b. This proposal is made without collusion with any other person, firm or corporation;
- c. He has carefully examined the requirements of the proposed work;
- d. This proposal is based solely on his own investigation and research and not in reliance upon any survey, report or representations of any employee, officer or agent of the TOWN; and the undersigned proposes and agrees that if this proposal is accepted, he will contract with the TOWN, this Contract Bid Form being part of and included in said CONTRACT, to provide all necessary supervision, labor, equipment, machinery, tools, apparatus, and other means of service necessary to complete the requirements in the CONTRACT; and that he will take in full payment thereof the following sums to wit:

Bidders must bid on each item. All entries in the Contract Bid Form must be made clearly and in ink, and prices must be written in both words and figures in the space provided. Bidders should insert computed totals in the spaces provided therein:

## **Time of Completion**

The work specified under this contract shall begin July 1, 2018 and end June 30, 2019 with a second (July 1, 2019 - June 30, 2020) and third (July 1, 2020 - June 30, 2021) year renewal option in one (1) year increments at the sole discretion of the Town of Arlington. Renewal years are subject to appropriation of Funds.

## **Bid Submission**

Each bid must be submitted in a sealed envelope bearing on the outside the name of the bidder, their address, and the name of the project for which the bid is submitted, and the name and number of the Contract for which the bid is submitted. If forwarded by mail, the sealed envelope containing the bid must be enclosed in another envelope addressed as follows:

Bid Documents  
Purchasing Director  
BID # 18 - 05 INFRARED PATCHING/VARIOUS LOCATIONS  
Town of Arlington  
Town Hall, 730 Massachusetts Avenue  
Arlington, Massachusetts 02476

The Owner will receive sealed bids until the time, and at the location designated in the Notice to Contractors. Bids received after this time will not be accepted. All interested parties are invited to attend; bids shall be opened publicly and read aloud.

#### **Interpretation of Basic Estimate of Quantities**

Attention is directed to the fact that the quantities of work to be done are based on observations and available data. The estimated quantities are approximate and should be used only as a guide. No quantities are guaranteed under this contract.

#### **Insurance Requirements**

The limits of the several kinds of liability insurance required for this Contract, in addition to insurance for Workmen's Compensation are as listed as follows:

- a. Bodily Injury Liability insurance, in an amount not less than Five Hundred Thousand Dollars (\$500,000) for injuries, including wrongful death to any one person, and subject to the same limit for each person to an amount of not less than One Million Dollars (\$1,000,000) as account of one accident.
- b. Broad Form Property Damage Liability Insurance in an amount not less than Five Hundred Thousand Dollars (\$500,000) for damages on account of any one accident, and in an amount not less than One Million Dollars (\$1,000,000) for damages on account of all accidents.
- c. Automobile Bodily Injury Liability Insurance, in an amount not less than Five Hundred Thousand Dollars (\$500,000) for injuries, including wrongful death to any one person and subject to the same limit for each person in an amount not less than One Million Dollars (\$1,000,000) on account of one accident.
- d. Automobile Property Damage Insurance in an amount not less than Five Hundred Thousand Dollars (\$500,000) for damages on account of any one accident and in an amount not less than One Million Dollars (\$1,000,000) for damages on account of all accidents.
- e. Contractors Public Liability Insurance in an amount not less than Five Hundred Thousand Dollars (\$500,000) for each occurrence and in an amount not less than One Million Dollars (\$1,000,000) annual aggregate.



# INSTRUCTIONS TO BIDDERS

## **1. Receipt of Bids**

The Town may consider informal any bid not prepared and submitted in accordance with the provisions hereof and may waive any informality in or reject any bids. Any bid may be withdrawn before the time for the opening of bids. Any bid received after the time and date specified shall not be considered. No bidder may withdraw his/her bid for a period of 30 days, excluding Saturdays, Sundays, and legal holidays after actual date of the opening thereof.

## **2. Preparation of Bid**

Each bid shall be submitted on the forms attached to these documents. The bid forms may be removed and submitted separately from the other documents. All blank spaces for bid prices must be filled in with the unit price for the item or the lump sum for which the proposal is made. Bidders must bid on each item. All entries in the entire proposal must be made clearly, and prices written in both words and figures in the spaces provided.

Each bid must be in a sealed envelope addressed to the Office of the Purchasing Agent, 730 Massachusetts Avenue, Arlington, Massachusetts, 02476; and bearing on the outside the name of the bidder, his/her address, the name of the project for which the bid is submitted, and the notation ' BID ON: BID # 18 - 05 INFRARED PATCHING/VARIOUS LOCATIONS.

## **3. Bid Security**

Every bid submitted by contractors shall be accompanied by a bid deposit in the form of cash, certified check, treasurer's or cashier's check, or a bid bond issued by a responsible bank or trust company and made payable to the Town of Arlington. The amount of the bid deposit shall be 5% of the amount of the bid. All security except those of the three lowest responsible and eligible bidders will be returned within ten days, Saturdays, Sundays, and legal holidays excluded, after opening of the bid. All bid securities will be returned on the execution of the contract or if no award is made within 30 days, excluding Saturdays, Sundays, and legal holidays, after the actual date of the opening thereof, unless forfeited under the conditions herein stipulated.

In case a party to whom a contract is awarded shall fail or neglect to execute the contract and furnish the satisfactory bond in the time specified, the Town may determine the bidder has abandoned the contract and thereupon the proposal and acceptance shall be null and void, and the bid security accompanying the proposal shall be forfeited to the Town as liquidation damages for such failure or neglect and indemnify the Town for any loss which may be sustained by failure of the bidder to execute the contract and furnish the bonds as aforesaid, provided that, in case of death, disability, or other unforeseen circumstances affecting the bidder, such bid security may be returned to him/her.

After execution of the contract and acceptance of the bonds by the Town, the bid security accompanying the proposal of the successful bidder will be returned.

#### **4. Time of Completion**

The bidder must agree to commence work within ten (10) business days from the date of signing the contract and to fully complete the project within the time specified within the Special Provisions section of this document.

#### **5. Performance and Labor Material Bonds**

A bond in the sum of 50% of the total amount of the Contract by the successful bidder and an additional bond in equal amount covering the payment for all labor and materials used in the work will be required. A surety company authorized to do business in Massachusetts and satisfactory to the Town of Arlington must provide these bonds. These bonds will be required at the execution of the contract. Attorneys-in-fact who sign contract bonds must file with each bond a certified and effectively dated copy of their power of attorney.

#### **6. Laws and Regulations**

The bidder's attention is directed to the fact that all applicable State laws, Town of Arlington Bylaws, municipal ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the contract throughout, and they shall be deemed to be included in the contract the same as though herein written out in full.

#### **7. Withdrawal of Bids**

Upon proper written request and identification, Bids may be withdrawn only as follows:

- a. At any time before the designated time for the opening of Bids.
- b. Death or serious injury of a principal.
- c. With the written approval of the Town of Arlington Office of the Purchasing Director.
- d. At any time after the expiration of the period during which withdrawal is prohibited provided the bid has not been accepted by the Town.

#### **8. Execution of Contract**

The party to whom the contract is awarded shall be required to execute the contract and furnish the bonds duly executed with a satisfactory surety company within five days, excluding Saturdays, Sundays, and legal holidays, of the date of the mailing of the notice to the bidder according to the address given by him/her, that the contract is ready for execution.

#### **9. Obligation of Bidder**

At the time of the opening of bids, each bidder shall be presumed to have read and to be thoroughly familiar with the contract documents. The failure or omission of any bidder to receive or examine any form, instrument, or documents shall in no way relieve any bidder from the obligation in respect to their bid.

**10. Omissions, Discrepancies, Interpretations and Addenda**

Should a bidder find discrepancies in, or omissions from, the drawings or contract documents, or should he/she have questions as to the interpretation of the plans or contract documents he/she shall submit such in writing to the Director of Purchasing at least five (5) days before the date herein set for the opening of bids. An interpretation will be mailed by certified mail to prospective bidders at the addresses given by them on or about two (2) days before the opening of bids. Signed copies of all addenda shall be included with the bid; omission of the signed addendum shall be cause for rejection of the bid.

**11. Record of Address**

Prospective bidders shall at the time plans and specifications are secured place on file with the Director of Purchasing their address, and are required to make any changes necessary to insure that the record is accurate, complete, and up to date.

**12. Massachusetts Sales and Use Tax**

Materials purchased for permanent installation in the work will be exempt from the Massachusetts Sales and Use tax. Each bidder shall consider this exemption in calculating his/her bid for the work.

**13. State Tax Affidavit**

Prospective bidders are required to certify that all state tax returns have been filed and all state taxes have been paid in order to be eligible to enter into a contract with the Town on this project. The included form is to be used for this purpose and is to be completed and returned as part of the bid and proposal.

**14. Minimum Wage Rates**

Prevailing rates for wages for work performed under this Contract will be as predetermined by the Commissioner of Labor and Industries of the Commonwealth of Massachusetts in accordance with the provisions of Sections 26 to 27D, inclusive, of c.149 of M.G.L. A schedule of the prevailing wages is included in the Minimum Wage Rates Section.

**15. Sub-bids**

No sub bids shall be sought in connection with this Contract.

**16. All bidders shall submit the following supplemental information with a fee proposal:**

- a. Name, address and phone number of a minimum of three (3) references that can vouch for the performance of the bidder
  
- b. Proof of Liability and Worker's Compensation Insurance Coverage
  
- c. Completed tax attestation form
  
- d. Bid deposit



Engineering Division

TOWN OF ARLINGTON  
Department of Public Works  
51 Grove Street  
Arlington, Massachusetts 02476  
Office (781) 316-3320 Fax (781) 316-3281

## #18-05 Infrared Patching/Various Locations BID SUBMITTAL SHEET

Year #1 - July 1, 2018 to June 30, 2019

Description	Unit Price
Furnishing all necessary labor, materials, and services for Infrared Patching of Bituminous Roadways at Various Locations in Arlington, MA. <b>Contract Value not to Exceed \$25,000</b>	\$ _____ / Square Yard

Year #2 - July 1, 2019 to June 30, 2020 (Renewed at Town's Option)

Description	Unit Price
Furnishing all necessary labor, materials, and services for Infrared Patching of Bituminous Roadways at Various Locations in Arlington, MA. <b>Contract Value not to Exceed \$25,000</b>	\$ _____ / Square Yard

Year #3 - July 1, 2020 to June 30, 2021 (Renewed at Town's Option)

Description	Unit Price
Furnishing all necessary labor, materials, and services for Infrared Patching of Bituminous Roadways at Various Locations in Arlington, MA. <b>Contract Value not to Exceed \$25,000</b>	\$ _____ / Square Yard

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Name (print): \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**CERTIFICATE OF NON-COLLUSION**

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

\_\_\_\_\_  
(Signature of individual submitting bid or proposal)

\_\_\_\_\_  
(Name of individual submitting bid or proposal)

\_\_\_\_\_  
Name of Business

\_\_\_\_\_  
Date

\_\_\_\_\_  
Pursuant to M.G.L. Chapter 62C, Section 49A, I certify under the penalties of perjury that I have complied with all laws of the commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

\_\_\_\_\_  
Social Security Number or  
Federal Identification Number

\_\_\_\_\_  
Signature of Individual or Responsible  
Corporate Officer and Title

**NON-COLLUSION FORMS  
MUST BE SIGNED AND  
SUBMITTED WITH BID**

**OSHA TRAINING**

The undersigned hereby certifies that it is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the work; that all employees to be employed at the worksite will have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee; and that it will comply fully with all laws and regulations applicable to awards made subject to section forty-four A of Chapter 149 of the General Laws.

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Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

To view and print Weekly Payroll & Statement of Compliance Forms, click on [www.mass.gov/dols/pw](http://www.mass.gov/dols/pw).

PLEASE NOTE: The attached Prevailing Wage Schedule is valid for 90 days. An Awarding Authority should re-request an up to date Prevailing Wage Schedule if it has NOT opened bids or selected a contractor within 90 days of the issuance date of the attached prevailing wage schedule.

\*For MULTI-YEAR projects bid on or after 8/8/08, Awarding Authorities must request an Annual Update to this Prevailing Wage Schedule each year for the duration of the project, no later than two weeks before the anniversary date of the execution of the general contract. Annual updates are not required for projects that last LESS THAN ONE YEAR.

\*For CM AT RISK projects (bid pursuant to GL c.149A), Awarding Authorities must request a Prevailing Wage Schedule NOT sooner than 90-days before the earlier of: (a) the execution date of the GMP Amendment, or (b) the bid for the first construction scope of work.

\*For MULTI-YEAR CM AT RISK projects, Awarding Authorities must request an Annual Update to this Prevailing Wage Schedule each year for the duration of the project, no later than two weeks before the anniversary date, which is the earlier of: (a) the execution date of the GMP Amendment, or (b) the execution date of the first amendment to procure construction scopes of work.

Apprentice wages (expressed as dollar figures) and the required benefits are listed on the Prevailing Wage Schedule. For further details, please see opinion letter PW-2010-03-03.16.10 (dated March 18, 2010) at [www.mass.gov/dols/pw](http://www.mass.gov/dols/pw).

Request Prevailing Wage Rates online at: [www.mass.gov/dols/pw](http://www.mass.gov/dols/pw).

THIS IS A SYSTEM-GENERATED EMAIL. PLEASE DO NOT REPLY TO THIS EMAIL. TO CONTACT DLS REGARDING PREVAILING WAGE MATTERS, CALL 617-626-6953.

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APPROVAL/DENIAL COMMENTS



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

**Prevailing Wage Rates**

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

CHARLES D. BAKER  
Governor

ROSALIN ACOSTA  
Secretary

KARYN E. POLITO  
Lt. Governor

WILLIAM D MCKINNEY  
Director

**Awarding Authority:** Town of Arlington  
**Contract Number:** 18-05 **City/Town:** ARLINGTON  
**Description of Work:** 1 year contract for Infrared Patching/Various Locations as required  
**Job Location:** Various

Information about Prevailing Wage Schedules for Awarding Authorities and Contractors

- 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 from the Department of Labor Standards (“DLS”) 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 any sub-contractor.
- All apprentices working on the project are required to be registered with the Massachusetts Department of Labor Standards, Division of Apprentice Standards (DLS/DAS). Apprentice must keep his/her apprentice identification card on his/her person 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 DLS/DAS regardless of whether or not they are registered with any other federal, state, local, or private agency must be paid the journeyworker's rate for the trade.**
- 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. Awarding authorities are required to request these updates 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, 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. Contractors are required to obtain the wage schedules from awarding authorities, and to pay no less than these rates to covered workers. The annual update requirement is not applicable to 27F “rental of equipment” contracts.
- Every contractor or subcontractor which performs construction work on the project is required to 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. A sample of a payroll reporting form may be obtained at <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.
- Employees not receiving the prevailing wage rate set forth on the wage schedule may report the violation to the Fair Labor Division of the office of the Attorney General at (617) 727-3465.
- 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



<b>Classification</b>	<b>Effective Date</b>	<b>Base Wage</b>	<b>Health</b>	<b>Pension</b>	<b>Supplemental Unemployment</b>	<b>Total Rate</b>
<b>Construction</b>						
(2 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i>	12/01/2016	\$33.25	\$10.91	\$10.89	\$0.00	\$55.05
(3 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i>	12/01/2016	\$33.32	\$10.91	\$10.89	\$0.00	\$55.12
(4 & 5 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i>	12/01/2016	\$33.44	\$10.91	\$10.89	\$0.00	\$55.24
ADS/SUBMERSIBLE PILOT <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2017	\$92.97	\$9.90	\$21.15	\$0.00	\$124.02
	08/01/2018	\$97.80	\$9.90	\$21.15	\$0.00	\$128.85
	08/01/2019	\$102.78	\$9.90	\$21.15	\$0.00	\$133.83
For apprentice rates see "Apprentice- PILE DRIVER"						
AIR TRACK OPERATOR <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.75	\$7.70	\$15.20	\$0.00	\$61.65
	12/01/2018	\$39.70	\$7.70	\$15.20	\$0.00	\$62.60
	06/01/2019	\$40.70	\$7.70	\$15.20	\$0.00	\$63.60
	12/01/2019	\$41.70	\$7.70	\$15.20	\$0.00	\$64.60
	06/01/2020	\$42.69	\$7.70	\$15.20	\$0.00	\$65.59
	12/01/2020	\$43.67	\$7.70	\$15.20	\$0.00	\$66.57
	06/01/2021	\$44.69	\$7.70	\$15.20	\$0.00	\$67.59
	12/01/2021	\$45.70	\$7.70	\$15.20	\$0.00	\$68.60
For apprentice rates see "Apprentice- LABORER"						
ASBESTOS REMOVER - PIPE / MECH. EQUIPT. <i>HEAT &amp; FROST INSULATORS LOCAL 6 (BOSTON)</i>	06/01/2018	\$36.90	\$11.50	\$7.10	\$0.00	\$55.50
	12/01/2018	\$37.90	\$11.50	\$7.10	\$0.00	\$56.50
	06/01/2019	\$38.90	\$11.50	\$7.10	\$0.00	\$57.50
	12/01/2019	\$39.90	\$11.50	\$7.10	\$0.00	\$58.50
	06/01/2020	\$40.90	\$11.50	\$7.10	\$0.00	\$59.50
	12/01/2020	\$41.90	\$11.50	\$7.10	\$0.00	\$60.50
ASPHALT RAKER <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.25	\$7.70	\$15.20	\$0.00	\$61.15
	12/01/2018	\$39.20	\$7.70	\$15.20	\$0.00	\$62.10
	06/01/2019	\$40.20	\$7.70	\$15.20	\$0.00	\$63.10
	12/01/2019	\$41.20	\$7.70	\$15.20	\$0.00	\$64.10
	06/01/2020	\$42.19	\$7.70	\$15.20	\$0.00	\$65.09
	12/01/2020	\$43.17	\$7.70	\$15.20	\$0.00	\$66.07
	06/01/2021	\$44.19	\$7.70	\$15.20	\$0.00	\$67.09
	12/01/2021	\$45.20	\$7.70	\$15.20	\$0.00	\$68.10
For apprentice rates see "Apprentice- LABORER"						
ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$46.63	\$10.50	\$15.50	\$0.00	\$72.63
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BACKHOE/FRONT-END LOADER <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$46.63	\$10.50	\$15.50	\$0.00	\$72.63
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
BARCO-TYPE JUMPING TAMPER <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.25	\$7.70	\$15.20	\$0.00	\$61.15
	12/01/2018	\$39.20	\$7.70	\$15.20	\$0.00	\$62.10
	06/01/2019	\$40.20	\$7.70	\$15.20	\$0.00	\$63.10
	12/01/2019	\$41.20	\$7.70	\$15.20	\$0.00	\$64.10
	06/01/2020	\$42.19	\$7.70	\$15.20	\$0.00	\$65.09
	12/01/2020	\$43.17	\$7.70	\$15.20	\$0.00	\$66.07
	06/01/2021	\$44.19	\$7.70	\$15.20	\$0.00	\$67.09
	12/01/2021	\$45.20	\$7.70	\$15.20	\$0.00	\$68.10

For apprentice rates see "Apprentice- LABORER"

BLOCK PAVER, RAMMER / CURB SETTER <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.75	\$7.70	\$15.20	\$0.00	\$61.65
	12/01/2018	\$39.70	\$7.70	\$15.20	\$0.00	\$62.60
	06/01/2019	\$40.70	\$7.70	\$15.20	\$0.00	\$63.60
	12/01/2019	\$41.70	\$7.70	\$15.20	\$0.00	\$64.60
	06/01/2020	\$42.69	\$7.70	\$15.20	\$0.00	\$65.59
	12/01/2020	\$43.67	\$7.70	\$15.20	\$0.00	\$66.57
	06/01/2021	\$44.69	\$7.70	\$15.20	\$0.00	\$67.59
	12/01/2021	\$45.70	\$7.70	\$15.20	\$0.00	\$68.60

For apprentice rates see "Apprentice- LABORER"

BOILER MAKER <i>BOILERMAKERS LOCAL 29</i>	01/01/2017	\$42.92	\$6.97	\$16.21	\$0.00	\$66.10
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**Apprentice - BOILERMAKER - Local 29**

**Effective Date - 01/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	65	\$27.90	\$6.97	\$10.54	\$0.00	\$45.41
2	65	\$27.90	\$6.97	\$10.54	\$0.00	\$45.41
3	70	\$30.04	\$6.97	\$11.35	\$0.00	\$48.36
4	75	\$32.19	\$6.97	\$12.16	\$0.00	\$51.32
5	80	\$34.34	\$6.97	\$12.97	\$0.00	\$54.28
6	85	\$36.48	\$6.97	\$13.78	\$0.00	\$57.23
7	90	\$38.63	\$6.97	\$14.59	\$0.00	\$60.19
8	95	\$40.77	\$6.97	\$15.40	\$0.00	\$63.14

**Notes:**

**Apprentice to Journeyworker Ratio:1:5**

BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING) <i>BRICKLAYERS LOCAL 3 (BOSTON)</i>	02/01/2018	\$52.06	\$10.75	\$20.03	\$0.00	\$82.84
	08/01/2018	\$53.41	\$10.75	\$20.16	\$0.00	\$84.32
	02/01/2019	\$54.05	\$10.75	\$20.16	\$0.00	\$84.96
	08/01/2019	\$55.40	\$10.75	\$20.30	\$0.00	\$86.45
	02/01/2020	\$56.04	\$10.75	\$20.30	\$0.00	\$87.09
	08/01/2020	\$57.39	\$10.75	\$20.45	\$0.00	\$88.59
	02/01/2021	\$58.03	\$10.75	\$20.45	\$0.00	\$89.23
	08/01/2021	\$59.43	\$10.75	\$20.61	\$0.00	\$90.79
	02/01/2022	\$60.02	\$10.75	\$20.61	\$0.00	\$91.38

**Classification**

**Effective Date    Base Wage    Health    Pension    Supplemental Unemployment    Total Rate**

**Apprentice - BRICK/PLASTER/CEMENT MASON - Local 3 Boston**

**Effective Date - 02/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$26.03	\$10.75	\$20.03	\$0.00	\$56.81
2	60	\$31.24	\$10.75	\$20.03	\$0.00	\$62.02
3	70	\$36.44	\$10.75	\$20.03	\$0.00	\$67.22
4	80	\$41.65	\$10.75	\$20.03	\$0.00	\$72.43
5	90	\$46.85	\$10.75	\$20.03	\$0.00	\$77.63

**Effective Date - 08/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$26.71	\$10.75	\$20.16	\$0.00	\$57.62
2	60	\$32.05	\$10.75	\$20.16	\$0.00	\$62.96
3	70	\$37.39	\$10.75	\$20.16	\$0.00	\$68.30
4	80	\$42.73	\$10.75	\$20.16	\$0.00	\$73.64
5	90	\$48.07	\$10.75	\$20.16	\$0.00	\$78.98

**Notes:**

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**Apprentice to Journeyworker Ratio:1:5**

BULLDOZER/GRADER/SCRAPER OPERATING ENGINEERS LOCAL 4	12/01/2017	\$46.17	\$10.50	\$15.50	\$0.00	\$72.17
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For apprentice rates see "Apprentice- OPERATING ENGINEERS"

CAISSON & UNDERPINNING BOTTOM MAN LABORERS - FOUNDATION AND MARINE	06/01/2018	\$39.10	\$7.70	\$15.40	\$0.00	\$62.20
	12/01/2018	\$40.05	\$7.70	\$15.40	\$0.00	\$63.15
	06/01/2019	\$41.05	\$7.70	\$15.40	\$0.00	\$64.15
	12/01/2019	\$42.05	\$7.70	\$15.40	\$0.00	\$65.15
	06/01/2020	\$43.04	\$7.70	\$15.40	\$0.00	\$66.14
	12/01/2020	\$44.02	\$7.70	\$15.40	\$0.00	\$67.12
	06/01/2021	\$45.04	\$7.70	\$15.40	\$0.00	\$68.14
	12/01/2021	\$46.05	\$7.70	\$15.40	\$0.00	\$69.15

For apprentice rates see "Apprentice- LABORER"

CAISSON & UNDERPINNING LABORER LABORERS - FOUNDATION AND MARINE	06/01/2018	\$37.95	\$7.70	\$15.40	\$0.00	\$61.05
	12/01/2018	\$38.90	\$7.70	\$15.40	\$0.00	\$62.00
	06/01/2019	\$39.90	\$7.70	\$15.40	\$0.00	\$63.00
	12/01/2019	\$40.90	\$7.70	\$15.40	\$0.00	\$64.00
	06/01/2020	\$41.89	\$7.70	\$15.40	\$0.00	\$64.99
	12/01/2020	\$42.87	\$7.70	\$15.40	\$0.00	\$65.97
	06/01/2021	\$43.89	\$7.70	\$15.40	\$0.00	\$66.99
	12/01/2021	\$44.90	\$7.70	\$15.40	\$0.00	\$68.00

For apprentice rates see "Apprentice- LABORER"

<b>Classification</b>	<b>Effective Date</b>	<b>Base Wage</b>	<b>Health</b>	<b>Pension</b>	<b>Supplemental Unemployment</b>	<b>Total Rate</b>
CAISSON & UNDERPINNING TOP MAN <i>LABORERS - FOUNDATION AND MARINE</i>	06/01/2018	\$37.95	\$7.70	\$15.40	\$0.00	\$61.05
	12/01/2018	\$38.90	\$7.70	\$15.40	\$0.00	\$62.00
	06/01/2019	\$39.90	\$7.70	\$15.40	\$0.00	\$63.00
	12/01/2019	\$40.90	\$7.70	\$15.40	\$0.00	\$64.00
	06/01/2020	\$41.89	\$7.70	\$15.40	\$0.00	\$64.99
	12/01/2020	\$42.87	\$7.70	\$15.40	\$0.00	\$65.97
	06/01/2021	\$43.89	\$7.70	\$15.40	\$0.00	\$66.99
	12/01/2021	\$44.90	\$7.70	\$15.40	\$0.00	\$68.00
For apprentice rates see "Apprentice- LABORER"						
CARBIDE CORE DRILL OPERATOR <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.25	\$7.70	\$15.20	\$0.00	\$61.15
	12/01/2018	\$39.20	\$7.70	\$15.20	\$0.00	\$62.10
	06/01/2019	\$40.20	\$7.70	\$15.20	\$0.00	\$63.10
	12/01/2019	\$41.20	\$7.70	\$15.20	\$0.00	\$64.10
	06/01/2020	\$42.19	\$7.70	\$15.20	\$0.00	\$65.09
	12/01/2020	\$43.17	\$7.70	\$15.20	\$0.00	\$66.07
	06/01/2021	\$44.19	\$7.70	\$15.20	\$0.00	\$67.09
	12/01/2021	\$45.20	\$7.70	\$15.20	\$0.00	\$68.10
For apprentice rates see "Apprentice- LABORER"						
CARPENTER <i>CARPENTERS -ZONE 2 (Eastern Massachusetts)</i>	03/01/2018	\$40.28	\$9.90	\$17.50	\$0.00	\$67.68
	09/01/2018	\$41.32	\$9.90	\$17.50	\$0.00	\$68.72
	03/01/2019	\$42.35	\$9.90	\$17.50	\$0.00	\$69.75

**Classification**

**Effective Date    Base Wage    Health    Pension    Supplemental Unemployment    Total Rate**

**Apprentice - CARPENTER - Zone 2 Eastern MA**

**Effective Date - 03/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.14	\$9.90	\$1.73	\$0.00	\$31.77
2	60	\$24.17	\$9.90	\$1.73	\$0.00	\$35.80
3	70	\$28.20	\$9.90	\$12.31	\$0.00	\$50.41
4	75	\$30.21	\$9.90	\$12.31	\$0.00	\$52.42
5	80	\$32.22	\$9.90	\$14.04	\$0.00	\$56.16
6	80	\$32.22	\$9.90	\$14.04	\$0.00	\$56.16
7	90	\$36.25	\$9.90	\$15.77	\$0.00	\$61.92
8	90	\$36.25	\$9.90	\$15.77	\$0.00	\$61.92

**Effective Date - 09/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.66	\$9.90	\$1.73	\$0.00	\$32.29
2	60	\$24.79	\$9.90	\$1.73	\$0.00	\$36.42
3	70	\$28.92	\$9.90	\$12.31	\$0.00	\$51.13
4	75	\$30.99	\$9.90	\$12.31	\$0.00	\$53.20
5	80	\$33.06	\$9.90	\$14.04	\$0.00	\$57.00
6	80	\$33.06	\$9.90	\$14.04	\$0.00	\$57.00
7	90	\$37.19	\$9.90	\$15.77	\$0.00	\$62.86
8	90	\$37.19	\$9.90	\$15.77	\$0.00	\$62.86

**Notes:**

% Indentured After 10/1/17; 45/45/55/55/70/70/80/80  
 Step 1&2 \$29.76/ 3&4 \$35.45/ 5&6 \$52.14/ 7&8 \$57.89

**Apprentice to Journeyworker Ratio:1:5**

CARPENTER WOOD FRAME	04/01/2018	\$26.67	\$7.07	\$7.86	\$0.00	\$41.60
CARPENTERS -ZONE 2 (Wood Frame)	10/01/2018	\$27.09	\$7.07	\$7.86	\$0.00	\$42.02
	04/01/2019	\$27.52	\$7.07	\$7.86	\$0.00	\$42.45
	10/01/2019	\$27.95	\$7.07	\$7.86	\$0.00	\$42.88

As of 9/1/09 Carpentry work on wood-frame WEATHERIZATION projects shall be paid the WOOD FRAME CARPENTER rate.

**Classification**

**Effective Date   Base Wage   Health   Pension   Supplemental Unemployment   Total Rate**

**Apprentice - CARPENTER (Wood Frame) - Zone 2**

**Effective Date - 04/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$16.00	\$7.07	\$0.00	\$0.00	\$23.07
2	60	\$16.00	\$7.07	\$0.00	\$0.00	\$23.07
3	65	\$17.34	\$7.07	\$7.86	\$0.00	\$32.27
4	70	\$18.67	\$7.07	\$7.86	\$0.00	\$33.60
5	75	\$20.00	\$7.07	\$7.86	\$0.00	\$34.93
6	80	\$21.34	\$7.07	\$7.86	\$0.00	\$36.27
7	85	\$22.67	\$7.07	\$7.86	\$0.00	\$37.60
8	90	\$24.00	\$7.07	\$7.86	\$0.00	\$38.93

**Effective Date - 10/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$16.25	\$7.07	\$0.00	\$0.00	\$23.32
2	60	\$16.25	\$7.07	\$0.00	\$0.00	\$23.32
3	65	\$17.61	\$7.07	\$7.86	\$0.00	\$32.54
4	70	\$18.96	\$7.07	\$7.86	\$0.00	\$33.89
5	75	\$20.32	\$7.07	\$7.86	\$0.00	\$35.25
6	80	\$21.67	\$7.07	\$7.86	\$0.00	\$36.60
7	85	\$23.03	\$7.07	\$7.86	\$0.00	\$37.96
8	90	\$24.38	\$7.07	\$7.86	\$0.00	\$39.31

**Notes:**

% Indentured After 10/1/17; 45/45/55/55/70/70/80/80  
 Step 1&2 \$19.07/ 3&4 \$26.49/ 5&6 \$33.60/ 7&8 \$36.27

**Apprentice to Journeyworker Ratio:1:5**

CARPENTER WOOD FRAME (All Other Work) CARPENTERS -ZONE 2 (Wood Frame)	06/01/2016	\$25.32	\$9.80	\$16.82	\$0.00	\$51.94
CEMENT MASONRY/PLASTERING BRICKLAYERS LOCAL 3 (BOSTON)	01/01/2018	\$46.02	\$12.35	\$22.41	\$0.30	\$81.08
	07/01/2018	\$46.20	\$12.42	\$22.41	\$0.30	\$81.33
	01/01/2019	\$47.58	\$12.42	\$22.41	\$0.30	\$82.71
	07/01/2019	\$48.32	\$12.42	\$22.41	\$0.30	\$83.45
	01/01/2020	\$49.72	\$12.42	\$22.41	\$0.30	\$84.85

**Classification**

**Effective Date   Base Wage   Health   Pension   Supplemental Unemployment   Total Rate**

**Apprentice - CEMENT MASONRY/PLASTERING - Eastern Mass (Boston)**

**Effective Date - 01/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.01	\$12.35	\$15.41	\$0.00	\$50.77
2	60	\$27.61	\$12.35	\$17.41	\$0.30	\$57.67
3	65	\$29.91	\$12.35	\$18.41	\$0.30	\$60.97
4	70	\$32.21	\$12.35	\$19.41	\$0.30	\$64.27
5	75	\$34.52	\$12.35	\$20.41	\$0.30	\$67.58
6	80	\$36.82	\$12.35	\$21.41	\$0.30	\$70.88
7	90	\$41.42	\$12.35	\$22.41	\$0.30	\$76.48

**Effective Date - 07/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.10	\$12.42	\$15.41	\$0.00	\$50.93
2	60	\$27.72	\$12.42	\$17.41	\$0.30	\$57.85
3	65	\$30.03	\$12.42	\$18.41	\$0.30	\$61.16
4	70	\$32.34	\$12.42	\$19.41	\$0.30	\$64.47
5	75	\$34.65	\$12.42	\$20.41	\$0.30	\$67.78
6	80	\$36.96	\$12.42	\$21.41	\$0.30	\$71.09
7	90	\$41.58	\$12.42	\$22.41	\$0.30	\$76.71

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

**Apprentice to Journeyworker Ratio:1:3**

CHAIN SAW OPERATOR	06/01/2018	\$38.25	\$7.70	\$15.20	\$0.00	\$61.15
LABORERS - ZONE 1	12/01/2018	\$39.20	\$7.70	\$15.20	\$0.00	\$62.10
	06/01/2019	\$40.20	\$7.70	\$15.20	\$0.00	\$63.10
	12/01/2019	\$41.20	\$7.70	\$15.20	\$0.00	\$64.10
	06/01/2020	\$42.19	\$7.70	\$15.20	\$0.00	\$65.09
	12/01/2020	\$43.17	\$7.70	\$15.20	\$0.00	\$66.07
	06/01/2021	\$44.19	\$7.70	\$15.20	\$0.00	\$67.09
	12/01/2021	\$45.20	\$7.70	\$15.20	\$0.00	\$68.10

For apprentice rates see "Apprentice- LABORER"

CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES	12/01/2017	\$47.63	\$10.50	\$15.50	\$0.00	\$73.63
OPERATING ENGINEERS LOCAL 4						

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

COMPRESSOR OPERATOR	12/01/2017	\$31.80	\$10.50	\$15.50	\$0.00	\$57.80
OPERATING ENGINEERS LOCAL 4						

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
DELEADER (BRIDGE) PAINTERS LOCAL 35 - ZONE 2	01/01/2018	\$49.66	\$8.10	\$19.55	\$0.00	\$77.31
	07/01/2018	\$50.01	\$8.15	\$20.15	\$0.00	\$78.31
	01/01/2019	\$50.36	\$8.15	\$20.85	\$0.00	\$79.36
	07/01/2019	\$51.46	\$8.15	\$20.85	\$0.00	\$80.46
	01/01/2020	\$52.56	\$8.15	\$20.85	\$0.00	\$81.56
	07/01/2020	\$53.66	\$8.15	\$20.85	\$0.00	\$82.66
	01/01/2021	\$54.76	\$8.15	\$20.85	\$0.00	\$83.76

**Apprentice - PAINTER Local 35 - BRIDGES/TANKS**

**Effective Date - 01/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.83	\$8.10	\$0.00	\$0.00	\$32.93
2	55	\$27.31	\$8.10	\$5.06	\$0.00	\$40.47
3	60	\$29.80	\$8.10	\$5.52	\$0.00	\$43.42
4	65	\$32.28	\$8.10	\$5.98	\$0.00	\$46.36
5	70	\$34.76	\$8.10	\$16.79	\$0.00	\$59.65
6	75	\$37.25	\$8.10	\$17.25	\$0.00	\$62.60
7	80	\$39.73	\$8.10	\$17.71	\$0.00	\$65.54
8	90	\$44.69	\$8.10	\$18.63	\$0.00	\$71.42

**Effective Date - 07/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$25.01	\$8.15	\$0.00	\$0.00	\$33.16
2	55	\$27.51	\$8.15	\$5.34	\$0.00	\$41.00
3	60	\$30.01	\$8.15	\$5.82	\$0.00	\$43.98
4	65	\$32.51	\$8.15	\$6.31	\$0.00	\$46.97
5	70	\$35.01	\$8.15	\$17.24	\$0.00	\$60.40
6	75	\$37.51	\$8.15	\$17.73	\$0.00	\$63.39
7	80	\$40.01	\$8.15	\$18.21	\$0.00	\$66.37
8	90	\$45.01	\$8.15	\$19.18	\$0.00	\$72.34

**Notes:**

Steps are 750 hrs.

**Apprentice to Journeyworker Ratio:1:1**

DEMO: ADZEMAN LABORERS - ZONE 1	06/01/2018	\$38.15	\$7.70	\$15.20	\$0.00	\$61.05
	12/01/2018	\$39.10	\$7.70	\$15.20	\$0.00	\$62.00
	06/01/2019	\$40.10	\$7.70	\$15.20	\$0.00	\$63.00
	12/01/2019	\$41.10	\$7.70	\$15.20	\$0.00	\$64.00

For apprentice rates see "Apprentice- LABORER"

DEMO: BACKHOE/LOADER/HAMMER OPERATOR LABORERS - ZONE 1	06/01/2018	\$39.15	\$7.70	\$15.20	\$0.00	\$62.05
	12/01/2018	\$40.10	\$7.70	\$15.20	\$0.00	\$63.00
	06/01/2019	\$41.10	\$7.70	\$15.20	\$0.00	\$64.00
	12/01/2019	\$42.10	\$7.70	\$15.20	\$0.00	\$65.00

For apprentice rates see "Apprentice- LABORER"



Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
DEMO: BURNERS <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.90	\$7.70	\$15.20	\$0.00	\$61.80
	12/01/2018	\$39.85	\$7.70	\$15.20	\$0.00	\$62.75
	06/01/2019	\$40.85	\$7.70	\$15.20	\$0.00	\$63.75
	12/01/2019	\$41.85	\$7.70	\$15.20	\$0.00	\$64.75
For apprentice rates see "Apprentice- LABORER"						
DEMO: CONCRETE CUTTER/SAWYER <i>LABORERS - ZONE 1</i>	06/01/2018	\$39.15	\$7.70	\$15.20	\$0.00	\$62.05
	12/01/2018	\$40.10	\$7.70	\$15.20	\$0.00	\$63.00
	06/01/2019	\$41.10	\$7.70	\$15.20	\$0.00	\$64.00
	12/01/2019	\$42.10	\$7.70	\$15.20	\$0.00	\$65.00
For apprentice rates see "Apprentice- LABORER"						
DEMO: JACKHAMMER OPERATOR <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.90	\$7.70	\$15.20	\$0.00	\$61.80
	12/01/2018	\$39.85	\$7.70	\$15.20	\$0.00	\$62.75
	06/01/2019	\$40.85	\$7.70	\$15.20	\$0.00	\$63.75
	12/01/2019	\$41.85	\$7.70	\$15.20	\$0.00	\$64.75
For apprentice rates see "Apprentice- LABORER"						
DEMO: WRECKING LABORER <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.15	\$7.70	\$15.20	\$0.00	\$61.05
	12/01/2018	\$39.10	\$7.70	\$15.20	\$0.00	\$62.00
	06/01/2019	\$40.10	\$7.70	\$15.20	\$0.00	\$63.00
	12/01/2019	\$41.10	\$7.70	\$15.20	\$0.00	\$64.00
For apprentice rates see "Apprentice- LABORER"						
DIRECTIONAL DRILL MACHINE OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$46.17	\$10.50	\$15.50	\$0.00	\$72.17
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
DIVER <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2017	\$61.98	\$9.90	\$21.15	\$0.00	\$93.03
	08/01/2018	\$65.20	\$9.90	\$21.15	\$0.00	\$96.25
	08/01/2019	\$68.52	\$9.90	\$21.15	\$0.00	\$99.57
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER TENDER <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2017	\$44.27	\$9.90	\$21.15	\$0.00	\$75.32
	08/01/2018	\$46.57	\$9.90	\$21.15	\$0.00	\$77.62
	08/01/2019	\$48.94	\$9.90	\$21.15	\$0.00	\$79.99
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER TENDER (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2017	\$66.41	\$9.90	\$21.15	\$0.00	\$97.46
	08/01/2018	\$69.86	\$9.90	\$21.15	\$0.00	\$100.91
	08/01/2019	\$73.41	\$9.90	\$21.15	\$0.00	\$104.46
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER/SLURRY (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2017	\$92.97	\$9.90	\$21.15	\$0.00	\$124.02
	08/01/2018	\$97.80	\$9.90	\$21.15	\$0.00	\$128.85
	08/01/2019	\$102.78	\$9.90	\$21.15	\$0.00	\$133.83
For apprentice rates see "Apprentice- PILE DRIVER"						
DRAWBRIDGE OPERATOR (Construction) <i>ELECTRICIANS LOCAL 103</i>	03/01/2018	\$50.15	\$13.00	\$17.85	\$0.00	\$81.00
	09/01/2018	\$51.34	\$13.00	\$17.89	\$0.00	\$82.23
	03/01/2019	\$52.53	\$13.00	\$17.93	\$0.00	\$83.46
For apprentice rates see "Apprentice- ELECTRICIAN"						
ELECTRICIAN <i>ELECTRICIANS LOCAL 103</i>	03/01/2018	\$50.15	\$13.00	\$17.85	\$0.00	\$81.00
	09/01/2018	\$51.34	\$13.00	\$17.89	\$0.00	\$82.23
	03/01/2019	\$52.53	\$13.00	\$17.93	\$0.00	\$83.46

**Apprentice - ELECTRICIAN - Local 103**

**Effective Date - 03/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$20.06	\$13.00	\$0.60	\$0.00	\$33.66
2	40	\$20.06	\$13.00	\$0.60	\$0.00	\$33.66
3	45	\$22.57	\$13.00	\$13.61	\$0.00	\$49.18
4	45	\$22.57	\$13.00	\$13.61	\$0.00	\$49.18
5	50	\$25.08	\$13.00	\$13.99	\$0.00	\$52.07
6	55	\$27.58	\$13.00	\$14.38	\$0.00	\$54.96
7	60	\$30.09	\$13.00	\$14.76	\$0.00	\$57.85
8	65	\$32.60	\$13.00	\$15.15	\$0.00	\$60.75
9	70	\$35.11	\$13.00	\$15.53	\$0.00	\$63.64
10	75	\$37.61	\$13.00	\$15.93	\$0.00	\$66.54

**Effective Date - 09/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$20.54	\$13.00	\$0.62	\$0.00	\$34.16
2	40	\$20.54	\$13.00	\$0.62	\$0.00	\$34.16
3	45	\$23.10	\$13.00	\$13.62	\$0.00	\$49.72
4	45	\$23.10	\$13.00	\$13.62	\$0.00	\$49.72
5	50	\$25.67	\$13.00	\$14.01	\$0.00	\$52.68
6	55	\$28.24	\$13.00	\$14.40	\$0.00	\$55.64
7	60	\$30.80	\$13.00	\$14.78	\$0.00	\$58.58
8	65	\$33.37	\$13.00	\$15.17	\$0.00	\$61.54
9	70	\$35.94	\$13.00	\$15.56	\$0.00	\$64.50
10	75	\$38.51	\$13.00	\$15.96	\$0.00	\$67.47

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

**Apprentice to Journeyworker Ratio:2:3\*\*\***

ELEVATOR CONSTRUCTOR	01/01/2018	\$57.62	\$15.43	\$16.61	\$0.00	\$89.66
ELEVATOR CONSTRUCTORS LOCAL 4	01/01/2019	\$59.47	\$15.58	\$17.51	\$0.00	\$92.56
	01/01/2020	\$61.42	\$15.73	\$18.41	\$0.00	\$95.56
	01/01/2021	\$63.47	\$15.88	\$19.31	\$0.00	\$98.66
	01/01/2022	\$65.62	\$16.03	\$20.21	\$0.00	\$101.86

**Classification**

**Effective Date    Base Wage    Health    Pension    Supplemental Unemployment    Total Rate**

**Apprentice - ELEVATOR CONSTRUCTOR - Local 4**

**Effective Date - 01/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$28.81	\$15.43	\$0.00	\$0.00	\$44.24
2	55	\$31.69	\$15.43	\$16.61	\$0.00	\$63.73
3	65	\$37.45	\$15.43	\$16.61	\$0.00	\$69.49
4	70	\$40.33	\$15.43	\$16.61	\$0.00	\$72.37
5	80	\$46.10	\$15.43	\$16.61	\$0.00	\$78.14

**Effective Date - 01/01/2019**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$29.74	\$15.58	\$0.00	\$0.00	\$45.32
2	55	\$32.71	\$15.58	\$17.51	\$0.00	\$65.80
3	65	\$38.66	\$15.58	\$17.51	\$0.00	\$71.75
4	70	\$41.63	\$15.58	\$17.51	\$0.00	\$74.72
5	80	\$47.58	\$15.58	\$17.51	\$0.00	\$80.67

**Notes:**

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

**Apprentice to Journeyworker Ratio:1:1**

ELEVATOR CONSTRUCTOR HELPER <i>ELEVATOR CONSTRUCTORS LOCAL 4</i>	01/01/2018	\$40.33	\$15.43	\$16.61	\$0.00	\$72.37
	01/01/2019	\$41.63	\$15.58	\$17.51	\$0.00	\$74.72
	01/01/2020	\$42.99	\$15.73	\$18.41	\$0.00	\$77.13
	01/01/2021	\$44.43	\$15.88	\$19.31	\$0.00	\$79.62
	01/01/2022	\$45.93	\$16.03	\$20.21	\$0.00	\$82.17

For apprentice rates see "Apprentice - ELEVATOR CONSTRUCTOR"

FENCE & GUARD RAIL ERECTOR <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.25	\$7.70	\$15.20	\$0.00	\$61.15
	12/01/2018	\$39.20	\$7.70	\$15.20	\$0.00	\$62.10
	06/01/2019	\$40.20	\$7.70	\$15.20	\$0.00	\$63.10
	12/01/2019	\$41.20	\$7.70	\$15.20	\$0.00	\$64.10
	06/01/2020	\$42.19	\$7.70	\$15.20	\$0.00	\$65.09
	12/01/2020	\$43.17	\$7.70	\$15.20	\$0.00	\$66.07
	06/01/2021	\$44.19	\$7.70	\$15.20	\$0.00	\$67.09
	12/01/2021	\$45.20	\$7.70	\$15.20	\$0.00	\$68.10

For apprentice rates see "Apprentice- LABORER"

FIELD ENG.INST.PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	05/01/2018	\$42.84	\$10.50	\$15.50	\$0.00	\$68.84
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For apprentice rates see "Apprentice- OPERATING ENGINEERS"

FIELD ENG.PARTY CHIEF-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	05/01/2018	\$44.31	\$10.50	\$15.50	\$0.00	\$70.31
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For apprentice rates see "Apprentice- OPERATING ENGINEERS"

FIELD ENG.ROD PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	05/01/2018	\$22.51	\$10.50	\$15.50	\$0.00	\$48.51
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For apprentice rates see "Apprentice- OPERATING ENGINEERS"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
FIRE ALARM INSTALLER <i>ELECTRICIANS LOCAL 103</i>	03/01/2018	\$50.15	\$13.00	\$17.85	\$0.00	\$81.00
	09/01/2018	\$51.34	\$13.00	\$17.89	\$0.00	\$82.23
	03/01/2019	\$52.53	\$13.00	\$17.93	\$0.00	\$83.46
For apprentice rates see "Apprentice- ELECTRICIAN"						
FIRE ALARM REPAIR / MAINTENANCE / COMMISSIONING <i>ELECTRICIANS</i> <i>LOCAL 103</i>	03/01/2018	\$37.61	\$13.00	\$15.93	\$0.00	\$66.54
	09/01/2018	\$38.51	\$13.00	\$15.96	\$0.00	\$67.47
	03/01/2019	\$39.40	\$13.00	\$15.98	\$0.00	\$68.38
For apprentice rates see "Apprentice- TELECOMMUNICATIONS TECHNICIAN"						
FIREMAN (ASST. ENGINEER) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$38.57	\$10.50	\$15.50	\$0.00	\$64.57
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FLAGGER & SIGNALER <i>LABORERS - ZONE 1</i>	06/01/2018	\$21.50	\$7.70	\$15.20	\$0.00	\$44.40
	12/01/2018	\$22.50	\$7.70	\$15.20	\$0.00	\$45.40
	06/01/2019	\$22.50	\$7.70	\$15.20	\$0.00	\$45.40
	12/01/2019	\$23.50	\$7.70	\$15.20	\$0.00	\$46.40
	06/01/2020	\$23.50	\$7.70	\$15.20	\$0.00	\$46.40
	12/01/2020	\$24.50	\$7.70	\$15.20	\$0.00	\$47.40
	06/01/2021	\$24.50	\$7.70	\$15.20	\$0.00	\$47.40
	12/01/2021	\$24.50	\$7.70	\$15.20	\$0.00	\$47.40
For apprentice rates see "Apprentice- LABORER"						
FLOORCOVERER <i>FLOORCOVERERS LOCAL 2168 ZONE 1</i>	03/01/2016	\$42.13	\$9.80	\$17.62	\$0.00	\$69.55

**Apprentice - FLOORCOVERER - Local 2168 Zone 1**

**Effective Date - 03/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.07	\$9.80	\$1.79	\$0.00	\$32.66
2	55	\$23.17	\$9.80	\$1.79	\$0.00	\$34.76
3	60	\$25.28	\$9.80	\$12.25	\$0.00	\$47.33
4	65	\$27.38	\$9.80	\$12.25	\$0.00	\$49.43
5	70	\$29.49	\$9.80	\$14.04	\$0.00	\$53.33
6	75	\$31.60	\$9.80	\$14.04	\$0.00	\$55.44
7	80	\$33.70	\$9.80	\$15.83	\$0.00	\$59.33
8	85	\$35.81	\$9.80	\$15.83	\$0.00	\$61.44

**Notes:** Steps are 750 hrs.

% After 09/1/17; 45/45/55/55/70/70/80/80 (1500hr Steps)

Step 1&2 \$30.55/ 3&4 \$36.49/ 5&6 \$53.33/ 7&8 \$59.33

**Apprentice to Journeyworker Ratio:1:1**

FORK LIFT/CHERRY PICKER <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$46.63	\$10.50	\$15.50	\$0.00	\$72.63
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
GENERATOR/LIGHTING PLANT/HEATERS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$31.80	\$10.50	\$15.50	\$0.00	\$57.80
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS) <i>GLAZIERS LOCAL 35 (ZONE 2)</i>	01/01/2018	\$39.16	\$8.10	\$19.55	\$0.00	\$66.81
	07/01/2018	\$39.51	\$8.15	\$20.15	\$0.00	\$67.81
	01/01/2019	\$39.86	\$8.15	\$20.85	\$0.00	\$68.86
	07/01/2019	\$40.96	\$8.15	\$20.85	\$0.00	\$69.96
	01/01/2020	\$42.06	\$8.15	\$20.85	\$0.00	\$71.06
	07/01/2020	\$43.16	\$8.15	\$20.85	\$0.00	\$72.16
	01/01/2021	\$44.26	\$8.15	\$20.85	\$0.00	\$73.26

**Apprentice - GLAZIER - Local 35 Zone 2**

**Effective Date - 01/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.58	\$8.10	\$0.00	\$0.00	\$27.68
2	55	\$21.54	\$8.10	\$5.06	\$0.00	\$34.70
3	60	\$23.50	\$8.10	\$5.52	\$0.00	\$37.12
4	65	\$25.45	\$8.10	\$5.98	\$0.00	\$39.53
5	70	\$27.41	\$8.10	\$16.79	\$0.00	\$52.30
6	75	\$29.37	\$8.10	\$17.25	\$0.00	\$54.72
7	80	\$31.33	\$8.10	\$17.71	\$0.00	\$57.14
8	90	\$35.24	\$8.10	\$18.63	\$0.00	\$61.97

**Effective Date - 07/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.76	\$8.15	\$0.00	\$0.00	\$27.91
2	55	\$21.73	\$8.15	\$5.34	\$0.00	\$35.22
3	60	\$23.71	\$8.15	\$5.82	\$0.00	\$37.68
4	65	\$25.68	\$8.15	\$6.31	\$0.00	\$40.14
5	70	\$27.66	\$8.15	\$17.24	\$0.00	\$53.05
6	75	\$29.63	\$8.15	\$17.73	\$0.00	\$55.51
7	80	\$31.61	\$8.15	\$18.21	\$0.00	\$57.97
8	90	\$35.56	\$8.15	\$19.18	\$0.00	\$62.89

**Notes:**

Steps are 750 hrs.

**Apprentice to Journeyworker Ratio:1:1**

HOISTING ENGINEER/CRANES/GRADALLS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$46.63	\$10.50	\$15.50	\$0.00	\$72.63
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**Apprentice - OPERATING ENGINEERS - Local 4**

**Effective Date - 12/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$25.65	\$10.50	\$0.00	\$0.00	\$36.15
2	60	\$27.98	\$10.50	\$15.50	\$0.00	\$53.98
3	65	\$30.31	\$10.50	\$15.50	\$0.00	\$56.31
4	70	\$32.64	\$10.50	\$15.50	\$0.00	\$58.64
5	75	\$34.97	\$10.50	\$15.50	\$0.00	\$60.97
6	80	\$37.30	\$10.50	\$15.50	\$0.00	\$63.30
7	85	\$39.64	\$10.50	\$15.50	\$0.00	\$65.64
8	90	\$41.97	\$10.50	\$15.50	\$0.00	\$67.97

**Notes:**

**Apprentice to Journeyworker Ratio:1:6**

HVAC (DUCTWORK) SHEETMETAL WORKERS LOCAL 17 - A	02/01/2018	\$44.11	\$12.20	\$24.12	\$2.41	\$82.84
For apprentice rates see "Apprentice- SHEET METAL WORKER"						
HVAC (ELECTRICAL CONTROLS) ELECTRICIANS LOCAL 103	03/01/2018	\$50.15	\$13.00	\$17.85	\$0.00	\$81.00
	09/01/2018	\$51.34	\$13.00	\$17.89	\$0.00	\$82.23
	03/01/2019	\$52.53	\$13.00	\$17.93	\$0.00	\$83.46
For apprentice rates see "Apprentice- ELECTRICIAN"						
HVAC (TESTING AND BALANCING - AIR) SHEETMETAL WORKERS LOCAL 17 - A	02/01/2018	\$44.11	\$12.20	\$24.12	\$2.41	\$82.84
For apprentice rates see "Apprentice- SHEET METAL WORKER"						
HVAC (TESTING AND BALANCING -WATER) PIPEFITTERS LOCAL 537	09/01/2017	\$51.44	\$9.95	\$18.74	\$0.00	\$80.13
	09/01/2018	\$52.94	\$9.95	\$18.74	\$0.00	\$81.63
	09/01/2019	\$54.44	\$9.95	\$18.74	\$0.00	\$83.13
	09/01/2020	\$55.94	\$9.95	\$18.74	\$0.00	\$84.63
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HVAC MECHANIC PIPEFITTERS LOCAL 537	09/01/2017	\$51.44	\$9.95	\$18.74	\$0.00	\$80.13
	09/01/2018	\$52.94	\$9.95	\$18.74	\$0.00	\$81.63
	09/01/2019	\$54.44	\$9.95	\$18.74	\$0.00	\$83.13
	09/01/2020	\$55.94	\$9.95	\$18.74	\$0.00	\$84.63
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HYDRAULIC DRILLS LABORERS - ZONE 1	06/01/2018	\$38.75	\$7.70	\$15.20	\$0.00	\$61.65
	12/01/2018	\$39.70	\$7.70	\$15.20	\$0.00	\$62.60
	06/01/2019	\$40.70	\$7.70	\$15.20	\$0.00	\$63.60
	12/01/2019	\$41.70	\$7.70	\$15.20	\$0.00	\$64.60
	06/01/2020	\$42.69	\$7.70	\$15.20	\$0.00	\$65.59
	12/01/2020	\$43.67	\$7.70	\$15.20	\$0.00	\$66.57
	06/01/2021	\$44.69	\$7.70	\$15.20	\$0.00	\$67.59
	12/01/2021	\$45.70	\$7.70	\$15.20	\$0.00	\$68.60
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
INSULATOR (PIPES & TANKS) HEAT & FROST INSULATORS LOCAL 6 (BOSTON)	09/01/2017	\$47.09	\$11.75	\$14.20	\$0.00	\$73.04
	09/01/2018	\$49.34	\$11.75	\$14.20	\$0.00	\$75.29
	09/01/2019	\$51.84	\$11.75	\$14.20	\$0.00	\$77.79

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

**Effective Date - 09/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.55	\$11.75	\$10.45	\$0.00	\$45.75
2	60	\$28.25	\$11.75	\$11.20	\$0.00	\$51.20
3	70	\$32.96	\$11.75	\$11.95	\$0.00	\$56.66
4	80	\$37.67	\$11.75	\$12.70	\$0.00	\$62.12

**Effective Date - 09/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.67	\$11.75	\$10.45	\$0.00	\$46.87
2	60	\$29.60	\$11.75	\$11.20	\$0.00	\$52.55
3	70	\$34.54	\$11.75	\$11.95	\$0.00	\$58.24
4	80	\$39.47	\$11.75	\$12.70	\$0.00	\$63.92

**Notes:**

Steps are 1 year

**Apprentice to Journeyworker Ratio:1:4**

IRONWORKER/WELDER IRONWORKERS LOCAL 7 (BOSTON AREA)	03/16/2017	\$44.65	\$7.80	\$20.85	\$0.00	\$73.30
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**Apprentice - IRONWORKER - Local 7 Boston**

**Effective Date - 03/16/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$26.79	\$7.80	\$20.85	\$0.00	\$55.44
2	70	\$31.26	\$7.80	\$20.85	\$0.00	\$59.91
3	75	\$33.49	\$7.80	\$20.85	\$0.00	\$62.14
4	80	\$35.72	\$7.80	\$20.85	\$0.00	\$64.37
5	85	\$37.95	\$7.80	\$20.85	\$0.00	\$66.60
6	90	\$40.19	\$7.80	\$20.85	\$0.00	\$68.84

**Notes:**

\*\* Structural 1:6; Ornamental 1:4

**Apprentice to Journeyworker Ratio:\*\***

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
JACKHAMMER & PAVING BREAKER OPERATOR <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.25	\$7.70	\$15.20	\$0.00	\$61.15
	12/01/2018	\$39.20	\$7.70	\$15.20	\$0.00	\$62.10
	06/01/2019	\$40.20	\$7.70	\$15.20	\$0.00	\$63.10
	12/01/2019	\$41.20	\$7.70	\$15.20	\$0.00	\$64.10
	06/01/2020	\$42.19	\$7.70	\$15.20	\$0.00	\$65.09
	12/01/2020	\$43.17	\$7.70	\$15.20	\$0.00	\$66.07
	06/01/2021	\$44.19	\$7.70	\$15.20	\$0.00	\$67.09
	12/01/2021	\$45.20	\$7.70	\$15.20	\$0.00	\$68.10

For apprentice rates see "Apprentice- LABORER"

LABORER <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.00	\$7.70	\$15.20	\$0.00	\$60.90
	12/01/2018	\$38.95	\$7.70	\$15.20	\$0.00	\$61.85
	06/01/2019	\$39.95	\$7.70	\$15.20	\$0.00	\$62.85
	12/01/2019	\$40.95	\$7.70	\$15.20	\$0.00	\$63.85
	06/01/2020	\$41.94	\$7.70	\$15.20	\$0.00	\$64.84
	12/01/2020	\$42.92	\$7.70	\$15.20	\$0.00	\$65.82
	06/01/2021	\$43.94	\$7.70	\$15.20	\$0.00	\$66.84
	12/01/2021	\$44.95	\$7.70	\$15.20	\$0.00	\$67.85

**Apprentice - LABORER - Zone 1**

**Effective Date - 06/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$22.80	\$7.70	\$15.20	\$0.00	\$45.70
2	70	\$26.60	\$7.70	\$15.20	\$0.00	\$49.50
3	80	\$30.40	\$7.70	\$15.20	\$0.00	\$53.30
4	90	\$34.20	\$7.70	\$15.20	\$0.00	\$57.10

**Effective Date - 12/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$23.37	\$7.70	\$15.20	\$0.00	\$46.27
2	70	\$27.27	\$7.70	\$15.20	\$0.00	\$50.17
3	80	\$31.16	\$7.70	\$15.20	\$0.00	\$54.06
4	90	\$35.06	\$7.70	\$15.20	\$0.00	\$57.96

**Notes:**

**Apprentice to Journeyworker Ratio:1:5**

LABORER: CARPENTER TENDER <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.00	\$7.70	\$15.20	\$0.00	\$60.90
	12/01/2018	\$38.95	\$7.70	\$15.20	\$0.00	\$61.85
	06/01/2019	\$39.95	\$7.70	\$15.20	\$0.00	\$62.85
	12/01/2019	\$40.95	\$7.70	\$15.20	\$0.00	\$63.85
	06/01/2020	\$41.94	\$7.70	\$15.20	\$0.00	\$64.84
	12/01/2020	\$42.92	\$7.70	\$15.20	\$0.00	\$65.82
	06/01/2021	\$43.94	\$7.70	\$15.20	\$0.00	\$66.84
	12/01/2021	\$44.95	\$7.70	\$15.20	\$0.00	\$67.85

For apprentice rates see "Apprentice- LABORER"



Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
LABORER: CEMENT FINISHER TENDER <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.00	\$7.70	\$15.20	\$0.00	\$60.90
	12/01/2018	\$38.95	\$7.70	\$15.20	\$0.00	\$61.85
	06/01/2019	\$39.95	\$7.70	\$15.20	\$0.00	\$62.85
	12/01/2019	\$40.95	\$7.70	\$15.20	\$0.00	\$63.85
	06/01/2020	\$41.94	\$7.70	\$15.20	\$0.00	\$64.84
	12/01/2020	\$42.92	\$7.70	\$15.20	\$0.00	\$65.82
	06/01/2021	\$43.94	\$7.70	\$15.20	\$0.00	\$66.84
	12/01/2021	\$44.95	\$7.70	\$15.20	\$0.00	\$67.85
For apprentice rates see "Apprentice- LABORER"						
LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.15	\$7.70	\$15.20	\$0.00	\$61.05
	12/01/2018	\$39.10	\$7.70	\$15.20	\$0.00	\$62.00
	06/01/2019	\$40.10	\$7.70	\$15.20	\$0.00	\$63.00
	12/01/2019	\$41.10	\$7.70	\$15.20	\$0.00	\$64.00
For apprentice rates see "Apprentice- LABORER"						
LABORER: MASON TENDER <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.25	\$7.70	\$15.20	\$0.00	\$61.15
	12/01/2018	\$39.20	\$7.70	\$15.20	\$0.00	\$62.10
	06/01/2019	\$40.20	\$7.70	\$15.20	\$0.00	\$63.10
	12/01/2019	\$41.20	\$7.70	\$15.20	\$0.00	\$64.10
	06/01/2020	\$42.19	\$7.70	\$15.20	\$0.00	\$65.09
	12/01/2020	\$43.17	\$7.70	\$15.20	\$0.00	\$66.07
	06/01/2021	\$44.19	\$7.70	\$15.20	\$0.00	\$67.09
	12/01/2021	\$45.20	\$7.70	\$15.20	\$0.00	\$68.10
For apprentice rates see "Apprentice- LABORER"						
LABORER: MULTI-TRADE TENDER <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.00	\$7.70	\$15.20	\$0.00	\$60.90
	12/01/2018	\$38.95	\$7.70	\$15.20	\$0.00	\$61.85
	06/01/2019	\$39.95	\$7.70	\$15.20	\$0.00	\$62.85
	12/01/2019	\$40.95	\$7.70	\$15.20	\$0.00	\$63.85
	06/01/2020	\$41.94	\$7.70	\$15.20	\$0.00	\$64.84
	12/01/2020	\$42.92	\$7.70	\$15.20	\$0.00	\$65.82
	06/01/2021	\$43.94	\$7.70	\$15.20	\$0.00	\$66.84
	12/01/2021	\$44.95	\$7.70	\$15.20	\$0.00	\$67.85
For apprentice rates see "Apprentice- LABORER"						
LABORER: TREE REMOVER <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.00	\$7.70	\$15.20	\$0.00	\$60.90
	12/01/2018	\$38.95	\$7.70	\$15.20	\$0.00	\$61.85
	06/01/2019	\$39.95	\$7.70	\$15.20	\$0.00	\$62.85
	12/01/2019	\$40.95	\$7.70	\$15.20	\$0.00	\$63.85
	06/01/2020	\$41.94	\$7.70	\$15.20	\$0.00	\$64.84
	12/01/2020	\$42.92	\$7.70	\$15.20	\$0.00	\$65.82
	06/01/2021	\$43.94	\$7.70	\$15.20	\$0.00	\$66.84
	12/01/2021	\$44.95	\$7.70	\$15.20	\$0.00	\$67.85

This classification applies to all tree work associated with the removal of standing trees, and trimming and removal of branches and limbs when the work is not done for a utility company for the purpose of operation, maintenance or repair of utility company equipment. For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
LASER BEAM OPERATOR <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.25	\$7.70	\$15.20	\$0.00	\$61.15
	12/01/2018	\$39.20	\$7.70	\$15.20	\$0.00	\$62.10
	06/01/2019	\$40.20	\$7.70	\$15.20	\$0.00	\$63.10
	12/01/2019	\$41.20	\$7.70	\$15.20	\$0.00	\$64.10
	06/01/2020	\$42.19	\$7.70	\$15.20	\$0.00	\$65.09
	12/01/2020	\$43.17	\$7.70	\$15.20	\$0.00	\$66.07
	06/01/2021	\$44.19	\$7.70	\$15.20	\$0.00	\$67.09
	12/01/2021	\$45.20	\$7.70	\$15.20	\$0.00	\$68.10

For apprentice rates see "Apprentice- LABORER"

MARBLE & TILE FINISHERS <i>BRICKLAYERS LOCAL 3 - MARBLE &amp; TILE</i>	02/01/2018	\$39.82	\$10.75	\$18.34	\$0.00	\$68.91
	08/01/2018	\$40.90	\$10.75	\$18.47	\$0.00	\$70.12
	02/01/2019	\$41.41	\$10.75	\$18.47	\$0.00	\$70.63
	08/01/2019	\$42.49	\$10.75	\$18.61	\$0.00	\$71.85
	02/01/2020	\$43.00	\$10.75	\$18.61	\$0.00	\$72.36
	08/01/2020	\$44.08	\$10.75	\$18.76	\$0.00	\$73.59
	02/01/2021	\$44.59	\$10.75	\$18.76	\$0.00	\$74.10
	08/01/2021	\$45.71	\$10.75	\$18.92	\$0.00	\$75.38
	02/01/2022	\$46.18	\$10.75	\$18.92	\$0.00	\$75.85

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

**Effective Date - 02/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.91	\$10.75	\$18.34	\$0.00	\$49.00
2	60	\$23.89	\$10.75	\$18.34	\$0.00	\$52.98
3	70	\$27.87	\$10.75	\$18.34	\$0.00	\$56.96
4	80	\$31.86	\$10.75	\$18.34	\$0.00	\$60.95
5	90	\$35.84	\$10.75	\$18.34	\$0.00	\$64.93

**Effective Date - 08/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.45	\$10.75	\$18.47	\$0.00	\$49.67
2	60	\$24.54	\$10.75	\$18.47	\$0.00	\$53.76
3	70	\$28.63	\$10.75	\$18.47	\$0.00	\$57.85
4	80	\$32.72	\$10.75	\$18.47	\$0.00	\$61.94
5	90	\$36.81	\$10.75	\$18.47	\$0.00	\$66.03

Notes:

Apprentice to Journeyworker Ratio:1:3

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
MARBLE MASONS, TILELAYERS & TERRAZZO MECH <i>BRICKLAYERS LOCAL 3 - MARBLE &amp; TILE</i>	02/01/2018	\$52.10	\$10.75	\$20.03	\$0.00	\$82.88
	08/01/2018	\$53.45	\$10.75	\$20.16	\$0.00	\$84.36
	02/01/2019	\$54.07	\$10.75	\$20.16	\$0.00	\$84.98
	08/01/2019	\$55.42	\$10.75	\$20.30	\$0.00	\$86.47
	02/01/2020	\$56.05	\$10.75	\$20.30	\$0.00	\$87.10
	08/01/2020	\$57.40	\$10.75	\$20.45	\$0.00	\$88.60
	02/01/2021	\$58.04	\$10.75	\$20.45	\$0.00	\$89.24
	08/01/2021	\$59.44	\$10.75	\$20.61	\$0.00	\$90.80
	02/01/2022	\$60.01	\$10.75	\$20.61	\$0.00	\$91.37

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

**Effective Date - 02/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$26.05	\$10.75	\$20.03	\$0.00	\$56.83
2	60	\$31.26	\$10.75	\$20.03	\$0.00	\$62.04
3	70	\$36.47	\$10.75	\$20.03	\$0.00	\$67.25
4	80	\$41.68	\$10.75	\$20.03	\$0.00	\$72.46
5	90	\$46.89	\$10.75	\$20.03	\$0.00	\$77.67

**Effective Date - 08/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$26.73	\$10.75	\$20.16	\$0.00	\$57.64
2	60	\$32.07	\$10.75	\$20.16	\$0.00	\$62.98
3	70	\$37.42	\$10.75	\$20.16	\$0.00	\$68.33
4	80	\$42.76	\$10.75	\$20.16	\$0.00	\$73.67
5	90	\$48.11	\$10.75	\$20.16	\$0.00	\$79.02

**Notes:**

**Apprentice to Journeyworker Ratio:1:5**

MECH. SWEEPER OPERATOR (ON CONST. SITES) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$46.17	\$10.50	\$15.50	\$0.00	\$72.17
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
MECHANICS MAINTENANCE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$46.17	\$10.50	\$15.50	\$0.00	\$72.17
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
MILLWRIGHT (Zone 1) <i>MILLWRIGHTS LOCAL 1121 - Zone 1</i>	04/01/2018	\$40.42	\$9.90	\$18.50	\$0.00	\$68.82
	10/01/2018	\$41.32	\$9.90	\$18.50	\$0.00	\$69.72
	04/01/2019	\$42.22	\$9.90	\$18.50	\$0.00	\$70.62

**Apprentice - MILLWRIGHT - Local 1121 Zone 1**

**Effective Date - 04/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$22.23	\$9.90	\$5.31	\$0.00	\$37.44
2	65	\$26.27	\$9.90	\$15.13	\$0.00	\$51.30
3	75	\$30.32	\$9.90	\$16.10	\$0.00	\$56.32
4	85	\$34.36	\$9.90	\$17.06	\$0.00	\$61.32

**Notes:**  
Steps are 2,000 hours  
**Apprentice to Journeyworker Ratio:1:5**

<b>MORTAR MIXER</b> <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.25	\$7.70	\$15.20	\$0.00	\$61.15
	12/01/2018	\$39.20	\$7.70	\$15.20	\$0.00	\$62.10
	06/01/2019	\$40.20	\$7.70	\$15.20	\$0.00	\$63.10
	12/01/2019	\$41.20	\$7.70	\$15.20	\$0.00	\$64.10
	06/01/2020	\$42.19	\$7.70	\$15.20	\$0.00	\$65.09
	12/01/2020	\$43.17	\$7.70	\$15.20	\$0.00	\$66.07
	06/01/2021	\$44.19	\$7.70	\$15.20	\$0.00	\$67.09
	12/01/2021	\$45.20	\$7.70	\$15.20	\$0.00	\$68.10

For apprentice rates see "Apprentice- LABORER"

<b>OILER (OTHER THAN TRUCK CRANES, GRADALLS)</b> <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$23.24	\$10.50	\$15.50	\$0.00	\$49.24
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For apprentice rates see "Apprentice- OPERATING ENGINEERS"

<b>OILER (TRUCK CRANES, GRADALLS)</b> <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$27.40	\$10.50	\$15.50	\$0.00	\$53.40
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For apprentice rates see "Apprentice- OPERATING ENGINEERS"

<b>OTHER POWER DRIVEN EQUIPMENT - CLASS II</b> <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$46.17	\$10.50	\$15.50	\$0.00	\$72.17
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For apprentice rates see "Apprentice- OPERATING ENGINEERS"

<b>PAINTER (BRIDGES/TANKS)</b> <i>PAINTERS LOCAL 35 - ZONE 2</i>	01/01/2018	\$49.66	\$8.10	\$19.55	\$0.00	\$77.31
	07/01/2018	\$50.01	\$8.15	\$20.15	\$0.00	\$78.31
	01/01/2019	\$50.36	\$8.15	\$20.85	\$0.00	\$79.36
	07/01/2019	\$51.46	\$8.15	\$20.85	\$0.00	\$80.46
	01/01/2020	\$52.56	\$8.15	\$20.85	\$0.00	\$81.56
	07/01/2020	\$53.66	\$8.15	\$20.85	\$0.00	\$82.66
	01/01/2021	\$54.76	\$8.15	\$20.85	\$0.00	\$83.76

**Apprentice - PAINTER Local 35 - BRIDGES/TANKS**

**Effective Date - 01/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.83	\$8.10	\$0.00	\$0.00	\$32.93
2	55	\$27.31	\$8.10	\$5.06	\$0.00	\$40.47
3	60	\$29.80	\$8.10	\$5.52	\$0.00	\$43.42
4	65	\$32.28	\$8.10	\$5.98	\$0.00	\$46.36
5	70	\$34.76	\$8.10	\$16.79	\$0.00	\$59.65
6	75	\$37.25	\$8.10	\$17.25	\$0.00	\$62.60
7	80	\$39.73	\$8.10	\$17.71	\$0.00	\$65.54
8	90	\$44.69	\$8.10	\$18.63	\$0.00	\$71.42

**Effective Date - 07/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$25.01	\$8.15	\$0.00	\$0.00	\$33.16
2	55	\$27.51	\$8.15	\$5.34	\$0.00	\$41.00
3	60	\$30.01	\$8.15	\$5.82	\$0.00	\$43.98
4	65	\$32.51	\$8.15	\$6.31	\$0.00	\$46.97
5	70	\$35.01	\$8.15	\$17.24	\$0.00	\$60.40
6	75	\$37.51	\$8.15	\$17.73	\$0.00	\$63.39
7	80	\$40.01	\$8.15	\$18.21	\$0.00	\$66.37
8	90	\$45.01	\$8.15	\$19.18	\$0.00	\$72.34

**Notes:**  
Steps are 750 hrs.

**Apprentice to Journeyworker Ratio:1:1**

PAINTER (SPRAY OR SANDBLAST, NEW) *	01/01/2018	\$40.56	\$8.10	\$19.55	\$0.00	\$68.21
* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. PAINTERS LOCAL 35 - ZONE 2	07/01/2018	\$40.91	\$8.15	\$20.15	\$0.00	\$69.21
	01/01/2019	\$41.26	\$8.15	\$20.85	\$0.00	\$70.26
	07/01/2019	\$42.36	\$8.15	\$20.85	\$0.00	\$71.36
	01/01/2020	\$43.46	\$8.15	\$20.85	\$0.00	\$72.46
	07/01/2020	\$44.56	\$8.15	\$20.85	\$0.00	\$73.56
	01/01/2021	\$45.66	\$8.15	\$20.85	\$0.00	\$74.66

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

**Effective Date - 01/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.28	\$8.10	\$0.00	\$0.00	\$28.38
2	55	\$22.31	\$8.10	\$5.06	\$0.00	\$35.47
3	60	\$24.34	\$8.10	\$5.52	\$0.00	\$37.96
4	65	\$26.36	\$8.10	\$5.98	\$0.00	\$40.44
5	70	\$28.39	\$8.10	\$16.79	\$0.00	\$53.28
6	75	\$30.42	\$8.10	\$17.25	\$0.00	\$55.77
7	80	\$32.45	\$8.10	\$17.71	\$0.00	\$58.26
8	90	\$36.50	\$8.10	\$18.63	\$0.00	\$63.23

**Effective Date - 07/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.46	\$8.15	\$0.00	\$0.00	\$28.61
2	55	\$22.50	\$8.15	\$5.34	\$0.00	\$35.99
3	60	\$24.55	\$8.15	\$5.82	\$0.00	\$38.52
4	65	\$26.59	\$8.15	\$6.31	\$0.00	\$41.05
5	70	\$28.64	\$8.15	\$17.24	\$0.00	\$54.03
6	75	\$30.68	\$8.15	\$17.73	\$0.00	\$56.56
7	80	\$32.73	\$8.15	\$18.21	\$0.00	\$59.09
8	90	\$36.82	\$8.15	\$19.18	\$0.00	\$64.15

**Notes:**  
Steps are 750 hrs.

**Apprentice to Journeyworker Ratio:1:1**

PAINTER (SPRAY OR SANDBLAST, REPAINT)	01/01/2018	\$38.62	\$8.10	\$19.55	\$0.00	\$66.27
PAINTERS LOCAL 35 - ZONE 2	07/01/2018	\$38.97	\$8.15	\$20.15	\$0.00	\$67.27
	01/01/2019	\$39.32	\$8.15	\$20.85	\$0.00	\$68.32
	07/01/2019	\$40.42	\$8.15	\$20.85	\$0.00	\$69.42
	01/01/2020	\$41.52	\$8.15	\$20.85	\$0.00	\$70.52
	07/01/2020	\$42.62	\$8.15	\$20.85	\$0.00	\$71.62
	01/01/2021	\$43.72	\$8.15	\$20.85	\$0.00	\$72.72

**Classification**

**Effective Date   Base Wage   Health   Pension   Supplemental Unemployment   Total Rate**

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

**Effective Date - 01/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.31	\$8.10	\$0.00	\$0.00	\$27.41
2	55	\$21.24	\$8.10	\$5.06	\$0.00	\$34.40
3	60	\$23.17	\$8.10	\$5.52	\$0.00	\$36.79
4	65	\$25.10	\$8.10	\$5.98	\$0.00	\$39.18
5	70	\$27.03	\$8.10	\$16.79	\$0.00	\$51.92
6	75	\$28.97	\$8.10	\$17.25	\$0.00	\$54.32
7	80	\$30.90	\$8.10	\$17.71	\$0.00	\$56.71
8	90	\$34.76	\$8.10	\$18.63	\$0.00	\$61.49

**Effective Date - 07/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.49	\$8.15	\$0.00	\$0.00	\$27.64
2	55	\$21.43	\$8.15	\$5.34	\$0.00	\$34.92
3	60	\$23.38	\$8.15	\$5.82	\$0.00	\$37.35
4	65	\$25.33	\$8.15	\$6.31	\$0.00	\$39.79
5	70	\$27.28	\$8.15	\$17.24	\$0.00	\$52.67
6	75	\$29.23	\$8.15	\$17.73	\$0.00	\$55.11
7	80	\$31.18	\$8.15	\$18.21	\$0.00	\$57.54
8	90	\$35.07	\$8.15	\$19.18	\$0.00	\$62.40

**Notes:**

Steps are 750 hrs.

**Apprentice to Journeyworker Ratio:1:1**

PAINTER (TRAFFIC MARKINGS) LABORERS - ZONE 1	06/01/2018	\$38.00	\$7.70	\$15.20	\$0.00	\$60.90
	12/01/2018	\$38.95	\$7.70	\$15.20	\$0.00	\$61.85
	06/01/2019	\$39.95	\$7.70	\$15.20	\$0.00	\$62.85
	12/01/2019	\$40.95	\$7.70	\$15.20	\$0.00	\$63.85
	06/01/2020	\$41.94	\$7.70	\$15.20	\$0.00	\$64.84
	12/01/2020	\$42.92	\$7.70	\$15.20	\$0.00	\$65.82
	06/01/2021	\$43.94	\$7.70	\$15.20	\$0.00	\$66.84
	12/01/2021	\$44.95	\$7.70	\$15.20	\$0.00	\$67.85

For Apprentice rates see "Apprentice- LABORER"

PAINTER / TAPER (BRUSH, NEW) * * If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. PAINTERS LOCAL 35 - ZONE 2	01/01/2018	\$39.16	\$8.10	\$19.55	\$0.00	\$66.81
	07/01/2018	\$39.51	\$8.15	\$20.15	\$0.00	\$67.81
	01/01/2019	\$39.86	\$8.15	\$20.85	\$0.00	\$68.86
	07/01/2019	\$40.96	\$8.15	\$20.85	\$0.00	\$69.96
	01/01/2020	\$42.06	\$8.15	\$20.85	\$0.00	\$71.06
	07/01/2020	\$43.16	\$8.15	\$20.85	\$0.00	\$72.16
	01/01/2021	\$44.25	\$8.15	\$20.85	\$0.00	\$73.25

**Apprentice - PAINTER - Local 35 Zone 2 - BRUSH NEW**

**Effective Date - 01/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.58	\$8.10	\$0.00	\$0.00	\$27.68
2	55	\$21.54	\$8.10	\$5.06	\$0.00	\$34.70
3	60	\$23.50	\$8.10	\$5.52	\$0.00	\$37.12
4	65	\$25.45	\$8.10	\$5.98	\$0.00	\$39.53
5	70	\$27.41	\$8.10	\$16.79	\$0.00	\$52.30
6	75	\$29.37	\$8.10	\$17.25	\$0.00	\$54.72
7	80	\$31.33	\$8.10	\$17.71	\$0.00	\$57.14
8	90	\$35.24	\$8.10	\$18.63	\$0.00	\$61.97

**Effective Date - 07/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.76	\$8.15	\$0.00	\$0.00	\$27.91
2	55	\$21.73	\$8.15	\$5.34	\$0.00	\$35.22
3	60	\$23.71	\$8.15	\$5.82	\$0.00	\$37.68
4	65	\$25.68	\$8.15	\$6.31	\$0.00	\$40.14
5	70	\$27.66	\$8.15	\$17.24	\$0.00	\$53.05
6	75	\$29.63	\$8.15	\$17.73	\$0.00	\$55.51
7	80	\$31.61	\$8.15	\$18.21	\$0.00	\$57.97
8	90	\$35.56	\$8.15	\$19.18	\$0.00	\$62.89

**Notes:**

Steps are 750 hrs.

**Apprentice to Journeyworker Ratio:1:1**

PAINTER / TAPER (BRUSH, REPAINT)	01/01/2018	\$37.22	\$8.10	\$19.55	\$0.00	\$64.87
PAINTERS LOCAL 35 - ZONE 2	07/01/2018	\$37.57	\$8.15	\$20.15	\$0.00	\$65.87
	01/01/2019	\$37.92	\$8.15	\$20.85	\$0.00	\$66.92
	07/01/2019	\$39.02	\$8.15	\$20.85	\$0.00	\$68.02
	01/01/2020	\$40.12	\$8.15	\$20.85	\$0.00	\$69.12
	07/01/2020	\$41.22	\$8.15	\$20.85	\$0.00	\$70.22
	01/01/2021	\$42.32	\$8.15	\$20.85	\$0.00	\$71.32



**Classification**

**Effective Date   Base Wage   Health   Pension   Supplemental Unemployment   Total Rate**

**Apprentice - PAINTER Local 35 Zone 2 - BRUSH REPAINT**

**Effective Date - 01/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.61	\$8.10	\$0.00	\$0.00	\$26.71
2	55	\$20.47	\$8.10	\$5.06	\$0.00	\$33.63
3	60	\$22.33	\$8.10	\$5.52	\$0.00	\$35.95
4	65	\$24.19	\$8.10	\$5.98	\$0.00	\$38.27
5	70	\$26.05	\$8.10	\$16.79	\$0.00	\$50.94
6	75	\$27.92	\$8.10	\$17.25	\$0.00	\$53.27
7	80	\$29.78	\$8.10	\$17.71	\$0.00	\$55.59
8	90	\$33.50	\$8.10	\$18.63	\$0.00	\$60.23

**Effective Date - 07/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.79	\$8.15	\$0.00	\$0.00	\$26.94
2	55	\$20.66	\$8.15	\$5.34	\$0.00	\$34.15
3	60	\$22.54	\$8.15	\$5.82	\$0.00	\$36.51
4	65	\$24.42	\$8.15	\$6.31	\$0.00	\$38.88
5	70	\$26.30	\$8.15	\$17.14	\$0.00	\$51.59
6	75	\$28.18	\$8.15	\$17.63	\$0.00	\$53.96
7	80	\$30.06	\$8.15	\$18.11	\$0.00	\$56.32
8	90	\$33.81	\$8.15	\$19.08	\$0.00	\$61.04

**Notes:**

Steps are 750 hrs.

**Apprentice to Journeyworker Ratio:1:1**

PANEL & PICKUP TRUCKS DRIVER <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i>	12/01/2016	\$33.08	\$10.91	\$10.89	\$0.00	\$54.88
PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2017	\$44.27	\$9.90	\$21.15	\$0.00	\$75.32
	08/01/2018	\$46.57	\$9.90	\$21.15	\$0.00	\$77.62
	08/01/2019	\$48.94	\$9.90	\$21.15	\$0.00	\$79.99
For apprentice rates see "Apprentice- PILE DRIVER"						
PILE DRIVER <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2017	\$44.27	\$9.90	\$21.15	\$0.00	\$75.32
	08/01/2018	\$46.57	\$9.90	\$21.15	\$0.00	\$77.62
	08/01/2019	\$48.94	\$9.90	\$21.15	\$0.00	\$79.99

**Apprentice - PILE DRIVER - Local 56 Zone 1**

**Effective Date - 08/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$22.14	\$9.90	\$21.15	\$0.00	\$53.19
2	60	\$26.56	\$9.90	\$21.15	\$0.00	\$57.61
3	70	\$30.99	\$9.90	\$21.15	\$0.00	\$62.04
4	75	\$33.20	\$9.90	\$21.15	\$0.00	\$64.25
5	80	\$35.42	\$9.90	\$21.15	\$0.00	\$66.47
6	80	\$35.42	\$9.90	\$21.15	\$0.00	\$66.47
7	90	\$39.84	\$9.90	\$21.15	\$0.00	\$70.89
8	90	\$39.84	\$9.90	\$21.15	\$0.00	\$70.89

**Effective Date - 08/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.29	\$9.90	\$21.15	\$0.00	\$54.34
2	60	\$27.94	\$9.90	\$21.15	\$0.00	\$58.99
3	70	\$32.60	\$9.90	\$21.15	\$0.00	\$63.65
4	75	\$34.93	\$9.90	\$21.15	\$0.00	\$65.98
5	80	\$37.26	\$9.90	\$21.15	\$0.00	\$68.31
6	80	\$37.26	\$9.90	\$21.15	\$0.00	\$68.31
7	90	\$41.91	\$9.90	\$21.15	\$0.00	\$72.96
8	90	\$41.91	\$9.90	\$21.15	\$0.00	\$72.96

**Notes:**

**Apprentice to Journeyworker Ratio:1:5**

PIPEFITTER & STEAMFITTER	09/01/2017	\$51.44	\$9.95	\$18.74	\$0.00	\$80.13
PIPEFITTERS LOCAL 537	09/01/2018	\$52.94	\$9.95	\$18.74	\$0.00	\$81.63
	09/01/2019	\$54.44	\$9.95	\$18.74	\$0.00	\$83.13
	09/01/2020	\$55.94	\$9.95	\$18.74	\$0.00	\$84.63

**Classification**

**Effective Date   Base Wage   Health   Pension   Supplemental Unemployment   Total Rate**

**Apprentice - PIPEFITTER - Local 537**

**Effective Date - 09/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$20.58	\$9.95	\$7.75	\$0.00	\$38.28
2	45	\$23.15	\$9.95	\$18.74	\$0.00	\$51.84
3	60	\$30.86	\$9.95	\$18.74	\$0.00	\$59.55
4	70	\$36.01	\$9.95	\$18.74	\$0.00	\$64.70
5	80	\$41.15	\$9.95	\$18.74	\$0.00	\$69.84

**Effective Date - 09/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$21.18	\$9.95	\$7.75	\$0.00	\$38.88
2	45	\$23.82	\$9.95	\$18.74	\$0.00	\$52.51
3	60	\$31.76	\$9.95	\$18.74	\$0.00	\$60.45
4	70	\$37.06	\$9.95	\$18.74	\$0.00	\$65.75
5	80	\$42.35	\$9.95	\$18.74	\$0.00	\$71.04

**Notes:**

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

**Apprentice to Journeyworker Ratio:\*\***

PIPELAYER	06/01/2018	\$38.25	\$7.70	\$15.20	\$0.00	\$61.15
LABORERS - ZONE 1	12/01/2018	\$39.20	\$7.70	\$15.20	\$0.00	\$62.10
	06/01/2019	\$40.20	\$7.70	\$15.20	\$0.00	\$63.10
	12/01/2019	\$41.20	\$7.70	\$15.20	\$0.00	\$64.10
	06/01/2020	\$42.19	\$7.70	\$15.20	\$0.00	\$65.09
	12/01/2020	\$43.17	\$7.70	\$15.20	\$0.00	\$66.07
	06/01/2021	\$44.19	\$7.70	\$15.20	\$0.00	\$67.09
	12/01/2021	\$45.20	\$7.70	\$15.20	\$0.00	\$68.10

For apprentice rates see "Apprentice- LABORER"

PLUMBERS & GASFITTERS	03/01/2018	\$54.69	\$11.57	\$15.76	\$0.00	\$82.02
PLUMBERS & GASFITTERS LOCAL 12	09/01/2018	\$56.19	\$11.57	\$15.76	\$0.00	\$83.52
	03/01/2019	\$57.69	\$11.57	\$15.76	\$0.00	\$85.02
	09/01/2019	\$59.19	\$11.57	\$15.76	\$0.00	\$86.52
	03/01/2020	\$60.69	\$11.57	\$15.76	\$0.00	\$88.02
	09/01/2020	\$62.19	\$11.57	\$15.76	\$0.00	\$89.52
	03/01/2021	\$63.69	\$11.57	\$15.76	\$0.00	\$91.02

**Classification**

**Effective Date   Base Wage   Health   Pension   Supplemental Unemployment   Total Rate**

**Apprentice - PLUMBER/GASFITTER - Local 12**

**Effective Date - 03/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$19.14	\$11.57	\$5.72	\$0.00	\$36.43
2	40	\$21.88	\$11.57	\$6.49	\$0.00	\$39.94
3	55	\$30.08	\$11.57	\$8.81	\$0.00	\$50.46
4	65	\$35.55	\$11.57	\$10.36	\$0.00	\$57.48
5	75	\$41.02	\$11.57	\$11.90	\$0.00	\$64.49

**Effective Date - 09/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$19.67	\$11.57	\$5.72	\$0.00	\$36.96
2	40	\$22.48	\$11.57	\$6.49	\$0.00	\$40.54
3	55	\$30.90	\$11.57	\$8.82	\$0.00	\$51.29
4	65	\$36.52	\$11.57	\$10.36	\$0.00	\$58.45
5	75	\$42.14	\$11.57	\$11.90	\$0.00	\$65.61

**Notes:**

\*\* 1:2; 2:6; 3:10; 4:14; 5:19/Steps are 1 yr  
Step4 with lic\$61.00, Step5 with lic\$67.99

**Apprentice to Journeyworker Ratio:\*\***

PNEUMATIC CONTROLS (TEMP.) PIPEFITTERS LOCAL 537	09/01/2017	\$51.44	\$9.95	\$18.74	\$0.00	\$80.13
	09/01/2018	\$52.94	\$9.95	\$18.74	\$0.00	\$81.63
	09/01/2019	\$54.44	\$9.95	\$18.74	\$0.00	\$83.13
	09/01/2020	\$55.94	\$9.95	\$18.74	\$0.00	\$84.63

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

PNEUMATIC DRILL/TOOL OPERATOR LABORERS - ZONE 1	06/01/2018	\$38.25	\$7.70	\$15.20	\$0.00	\$61.15
	12/01/2018	\$39.20	\$7.70	\$15.20	\$0.00	\$62.10
	06/01/2019	\$40.20	\$7.70	\$15.20	\$0.00	\$63.10
	12/01/2019	\$41.20	\$7.70	\$15.20	\$0.00	\$64.10
	06/01/2020	\$42.19	\$7.70	\$15.20	\$0.00	\$65.09
	12/01/2020	\$43.17	\$7.70	\$15.20	\$0.00	\$66.07
	06/01/2021	\$44.19	\$7.70	\$15.20	\$0.00	\$67.09
	12/01/2021	\$45.20	\$7.70	\$15.20	\$0.00	\$68.10

For apprentice rates see "Apprentice- LABORER"

POWDERMAN & BLASTER LABORERS - ZONE 1	06/01/2018	\$39.00	\$7.70	\$15.20	\$0.00	\$61.90
	12/01/2018	\$39.95	\$7.70	\$15.20	\$0.00	\$62.85
	06/01/2019	\$40.95	\$7.70	\$15.20	\$0.00	\$63.85
	12/01/2019	\$41.95	\$7.70	\$15.20	\$0.00	\$64.85
	06/01/2020	\$42.94	\$7.70	\$15.20	\$0.00	\$65.84
	12/01/2020	\$43.92	\$7.70	\$15.20	\$0.00	\$66.82
	06/01/2021	\$44.94	\$7.70	\$15.20	\$0.00	\$67.84
	12/01/2021	\$45.95	\$7.70	\$15.20	\$0.00	\$68.85

For apprentice rates see "Apprentice- LABORER"

<b>Classification</b>	<b>Effective Date</b>	<b>Base Wage</b>	<b>Health</b>	<b>Pension</b>	<b>Supplemental Unemployment</b>	<b>Total Rate</b>
POWER SHOVEL/DERRICK/TRENCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$46.63	\$10.50	\$15.50	\$0.00	\$72.63
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (CONCRETE) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$46.63	\$10.50	\$15.50	\$0.00	\$72.63
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (DEWATERING, OTHER) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$31.80	\$10.50	\$15.50	\$0.00	\$57.80
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
READY MIX CONCRETE DRIVERS after 4/30/10 (Drivers Hired After 4/30/2010) <i>TEAMSTERS LOCAL 25c</i>	07/01/2017	\$28.18	\$8.48	\$9.72	\$0.00	\$46.38
READY-MIX CONCRETE DRIVER <i>TEAMSTERS LOCAL 25c</i>	07/01/2017	\$29.48	\$8.48	\$9.72	\$0.00	\$47.68
RECLAIMERS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$46.17	\$10.50	\$15.50	\$0.00	\$72.17
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
RIDE-ON MOTORIZED BUGGY OPERATOR <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.25	\$7.70	\$15.20	\$0.00	\$61.15
	12/01/2018	\$39.20	\$7.70	\$15.20	\$0.00	\$62.10
	06/01/2019	\$40.20	\$7.70	\$15.20	\$0.00	\$63.10
	12/01/2019	\$41.20	\$7.70	\$15.20	\$0.00	\$64.10
	06/01/2020	\$42.19	\$7.70	\$15.20	\$0.00	\$65.09
	12/01/2020	\$43.17	\$7.70	\$15.20	\$0.00	\$66.07
	06/01/2021	\$44.19	\$7.70	\$15.20	\$0.00	\$67.09
	12/01/2021	\$45.20	\$7.70	\$15.20	\$0.00	\$68.10
For apprentice rates see "Apprentice- LABORER"						
ROLLER/SPREADER/MULCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$46.17	\$10.50	\$15.50	\$0.00	\$72.17
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
ROOFER (Inc.Roofer Waterproofing &Roofer Damproofg) <i>ROOFERS LOCAL 33</i>	02/01/2018	\$42.36	\$11.35	\$14.80	\$0.00	\$68.51
	08/01/2018	\$43.46	\$11.35	\$14.80	\$0.00	\$69.61
	02/01/2019	\$44.61	\$11.35	\$14.80	\$0.00	\$70.76

**Classification**

**Effective Date    Base Wage    Health    Pension    Supplemental Unemployment    Total Rate**

**Apprentice - ROOFER - Local 33**

**Effective Date - 02/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.18	\$11.35	\$3.44	\$0.00	\$35.97
2	60	\$25.42	\$11.35	\$14.80	\$0.00	\$51.57
3	65	\$27.53	\$11.35	\$14.80	\$0.00	\$53.68
4	75	\$31.77	\$11.35	\$14.80	\$0.00	\$57.92
5	85	\$36.01	\$11.35	\$14.80	\$0.00	\$62.16

**Effective Date - 08/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.73	\$11.35	\$3.44	\$0.00	\$36.52
2	60	\$26.08	\$11.35	\$14.80	\$0.00	\$52.23
3	65	\$28.25	\$11.35	\$14.80	\$0.00	\$54.40
4	75	\$32.60	\$11.35	\$14.80	\$0.00	\$58.75
5	85	\$36.94	\$11.35	\$14.80	\$0.00	\$63.09

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

**Apprentice to Journeyworker Ratio:\*\***

ROOFER SLATE / TILE / PRECAST CONCRETE ROOFERS LOCAL 33	02/01/2018	\$42.61	\$11.35	\$14.80	\$0.00	\$68.76
	08/01/2018	\$43.71	\$11.35	\$14.80	\$0.00	\$69.86
	02/01/2019	\$44.86	\$11.35	\$14.80	\$0.00	\$71.01
For apprentice rates see "Apprentice- ROOFER"						
SHEETMETAL WORKER SHEETMETAL WORKERS LOCAL 17 - A	02/01/2018	\$44.11	\$12.20	\$24.12	\$2.41	\$82.84

**Classification**

**Effective Date   Base Wage   Health   Pension   Supplemental Unemployment   Total Rate**

**Apprentice - SHEET METAL WORKER - Local 17-A**

**Effective Date - 02/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$17.64	\$12.20	\$5.61	\$0.00	\$35.45
2	40	\$17.64	\$12.20	\$5.61	\$0.00	\$35.45
3	45	\$19.85	\$12.20	\$10.85	\$1.29	\$44.19
4	45	\$19.85	\$12.20	\$10.85	\$1.29	\$44.19
5	50	\$22.06	\$12.20	\$11.80	\$1.38	\$47.44
6	50	\$22.06	\$12.20	\$12.05	\$1.39	\$47.70
7	60	\$26.47	\$12.20	\$13.70	\$1.57	\$53.94
8	65	\$28.67	\$12.20	\$14.65	\$1.67	\$57.19
9	75	\$33.08	\$12.20	\$16.56	\$1.86	\$63.70
10	85	\$37.49	\$12.20	\$17.96	\$2.03	\$69.68

**Notes:**  
Steps are 6 mos.

**Apprentice to Journeyworker Ratio:1:4**

SIGN ERECTOR PAINTERS LOCAL 35 - ZONE 2	06/01/2013	\$25.81	\$7.07	\$7.05	\$0.00	\$39.93
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**Apprentice - SIGN ERECTOR - Local 35 Zone 2**

**Effective Date - 06/01/2013**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$12.91	\$7.07	\$0.00	\$0.00	\$19.98
2	55	\$14.20	\$7.07	\$2.45	\$0.00	\$23.72
3	60	\$15.49	\$7.07	\$2.45	\$0.00	\$25.01
4	65	\$16.78	\$7.07	\$2.45	\$0.00	\$26.30
5	70	\$18.07	\$7.07	\$7.05	\$0.00	\$32.19
6	75	\$19.36	\$7.07	\$7.05	\$0.00	\$33.48
7	80	\$20.65	\$7.07	\$7.05	\$0.00	\$34.77
8	85	\$21.94	\$7.07	\$7.05	\$0.00	\$36.06
9	90	\$23.23	\$7.07	\$7.05	\$0.00	\$37.35

**Notes:**  
Steps are 4 mos.

**Apprentice to Journeyworker Ratio:1:1**

SPECIALIZED EARTH MOVING EQUIP < 35 TONS TEAMSTERS JOINT COUNCIL NO. 10 ZONE A	12/01/2016	\$33.54	\$10.91	\$10.89	\$0.00	\$55.34
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SPECIALIZED EARTH MOVING EQUIP > 35 TONS TEAMSTERS JOINT COUNCIL NO. 10 ZONE A	12/01/2016	\$33.83	\$10.91	\$10.89	\$0.00	\$55.63
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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
SPRINKLER FITTER <i>SPRINKLER FITTERS LOCAL 550 - (Section A) Zone 1</i>	03/01/2018	\$57.78	\$9.12	\$18.15	\$0.00	\$85.05
	10/01/2018	\$59.28	\$9.12	\$18.15	\$0.00	\$86.55
	01/01/2019	\$59.28	\$9.47	\$18.35	\$0.00	\$87.10
	03/01/2019	\$60.78	\$9.47	\$18.35	\$0.00	\$88.60
	10/01/2019	\$62.28	\$9.47	\$18.35	\$0.00	\$90.10
	03/01/2020	\$63.78	\$9.47	\$18.35	\$0.00	\$91.60
	10/01/2020	\$65.28	\$9.47	\$18.35	\$0.00	\$93.10
	03/01/2021	\$66.78	\$9.47	\$18.35	\$0.00	\$94.60

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

**Effective Date - 03/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$20.22	\$9.12	\$8.90	\$0.00	\$38.24
2	40	\$23.11	\$9.12	\$8.90	\$0.00	\$41.13
3	45	\$26.00	\$9.12	\$8.90	\$0.00	\$44.02
4	50	\$28.89	\$9.12	\$8.90	\$0.00	\$46.91
5	55	\$31.78	\$9.12	\$8.90	\$0.00	\$49.80
6	60	\$34.67	\$9.12	\$10.40	\$0.00	\$54.19
7	65	\$37.56	\$9.12	\$10.40	\$0.00	\$57.08
8	70	\$40.45	\$9.12	\$10.40	\$0.00	\$59.97
9	75	\$43.34	\$9.12	\$10.40	\$0.00	\$62.86
10	80	\$46.22	\$9.12	\$10.40	\$0.00	\$65.74

**Effective Date - 10/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$20.75	\$9.12	\$8.90	\$0.00	\$38.77
2	40	\$23.71	\$9.12	\$8.90	\$0.00	\$41.73
3	45	\$26.68	\$9.12	\$8.90	\$0.00	\$44.70
4	50	\$29.64	\$9.12	\$8.90	\$0.00	\$47.66
5	55	\$32.60	\$9.12	\$8.90	\$0.00	\$50.62
6	60	\$35.57	\$9.12	\$10.40	\$0.00	\$55.09
7	65	\$38.53	\$9.12	\$10.40	\$0.00	\$58.05
8	70	\$41.50	\$9.12	\$10.40	\$0.00	\$61.02
9	75	\$44.46	\$9.12	\$10.40	\$0.00	\$63.98
10	80	\$47.42	\$9.12	\$10.40	\$0.00	\$66.94

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

**Apprentice to Journeyworker Ratio:1:3**

STEAM BOILER OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$46.17	\$10.50	\$15.50	\$0.00	\$72.17
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For apprentice rates see "Apprentice- OPERATING ENGINEERS"

TAMPERS, SELF-PROPELLED OR TRACTOR DRAWN <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$46.17	\$10.50	\$15.50	\$0.00	\$72.17
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For apprentice rates see "Apprentice- OPERATING ENGINEERS"



Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TELECOMMUNICATION TECHNICIAN <i>ELECTRICIANS LOCAL 103</i>	03/01/2018	\$37.61	\$13.00	\$15.93	\$0.00	\$66.54
	09/01/2018	\$38.51	\$13.00	\$15.96	\$0.00	\$67.47
	03/01/2019	\$39.40	\$13.00	\$15.98	\$0.00	\$68.38

**Apprentice - TELECOMMUNICATION TECHNICIAN - Local 103**

**Effective Date - 03/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$15.04	\$13.00	\$0.45	\$0.00	\$28.49
2	40	\$15.04	\$13.00	\$0.45	\$0.00	\$28.49
3	45	\$16.92	\$13.00	\$12.74	\$0.00	\$42.66
4	45	\$16.92	\$13.00	\$12.74	\$0.00	\$42.66
5	50	\$18.81	\$13.00	\$13.03	\$0.00	\$44.84
6	55	\$20.69	\$13.00	\$13.32	\$0.00	\$47.01
7	60	\$22.57	\$13.00	\$13.61	\$0.00	\$49.18
8	65	\$24.45	\$13.00	\$13.90	\$0.00	\$51.35
9	70	\$26.33	\$13.00	\$14.19	\$0.00	\$53.52
10	75	\$28.21	\$13.00	\$14.48	\$0.00	\$55.69

**Effective Date - 09/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$15.40	\$13.00	\$0.46	\$0.00	\$28.86
2	40	\$15.40	\$13.00	\$0.46	\$0.00	\$28.86
3	45	\$17.33	\$13.00	\$12.75	\$0.00	\$43.08
4	45	\$17.33	\$13.00	\$12.75	\$0.00	\$43.08
5	50	\$19.26	\$13.00	\$13.05	\$0.00	\$45.31
6	55	\$21.18	\$13.00	\$13.34	\$0.00	\$47.52
7	60	\$23.11	\$13.00	\$13.62	\$0.00	\$49.73
8	65	\$25.03	\$13.00	\$13.92	\$0.00	\$51.95
9	70	\$26.96	\$13.00	\$14.21	\$0.00	\$54.17
10	75	\$28.88	\$13.00	\$14.50	\$0.00	\$56.38

**Notes:**

**Apprentice to Journeyworker Ratio:1:1**

TERRAZZO FINISHERS <i>BRICKLAYERS LOCAL 3 - MARBLE &amp; TILE</i>	02/01/2018	\$51.00	\$10.75	\$20.03	\$0.00	\$81.78
	08/01/2018	\$52.35	\$10.75	\$20.16	\$0.00	\$83.26
	02/01/2019	\$52.99	\$10.75	\$20.16	\$0.00	\$83.90
	08/01/2019	\$54.34	\$10.75	\$20.30	\$0.00	\$85.39
	02/01/2020	\$54.98	\$10.75	\$20.30	\$0.00	\$86.03
	08/01/2020	\$56.33	\$10.75	\$20.45	\$0.00	\$87.53
	02/01/2021	\$56.97	\$10.75	\$20.45	\$0.00	\$88.17
	08/01/2021	\$58.37	\$10.75	\$20.61	\$0.00	\$89.73
	02/01/2022	\$58.96	\$10.75	\$20.61	\$0.00	\$90.32

**Apprentice - TERRAZZO FINISHER - Local 3 Marble & Tile**

**Effective Date - 02/01/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$25.50	\$10.75	\$20.03	\$0.00	\$56.28
2	60	\$30.60	\$10.75	\$20.03	\$0.00	\$61.38
3	70	\$35.70	\$10.75	\$20.03	\$0.00	\$66.48
4	80	\$40.80	\$10.75	\$20.03	\$0.00	\$71.58
5	90	\$45.90	\$10.75	\$20.03	\$0.00	\$76.68

**Notes:**

**Apprentice to Journeyworker Ratio:1:3**

TEST BORING DRILLER <i>LABORERS - FOUNDATION AND MARINE</i>	06/01/2018	\$39.35	\$7.70	\$15.40	\$0.00	\$62.45
	12/01/2018	\$40.30	\$7.70	\$15.40	\$0.00	\$63.40
	06/01/2019	\$41.30	\$7.70	\$15.40	\$0.00	\$64.40
	12/01/2019	\$42.30	\$7.70	\$15.40	\$0.00	\$65.40
	06/01/2020	\$43.29	\$7.70	\$15.40	\$0.00	\$66.39
	12/01/2020	\$44.27	\$7.70	\$15.40	\$0.00	\$67.37
	06/01/2021	\$45.29	\$7.70	\$15.40	\$0.00	\$68.39
	12/01/2021	\$46.30	\$7.70	\$15.40	\$0.00	\$69.40

For apprentice rates see "Apprentice- LABORER"

TEST BORING DRILLER HELPER <i>LABORERS - FOUNDATION AND MARINE</i>	06/01/2018	\$38.07	\$7.70	\$15.40	\$0.00	\$61.17
	12/01/2018	\$39.02	\$7.70	\$15.40	\$0.00	\$62.12
	06/01/2019	\$40.02	\$7.70	\$15.40	\$0.00	\$63.12
	12/01/2019	\$41.02	\$7.70	\$15.40	\$0.00	\$64.12
	06/01/2020	\$42.01	\$7.70	\$15.40	\$0.00	\$65.11
	12/01/2020	\$42.99	\$7.70	\$15.40	\$0.00	\$66.09
	06/01/2021	\$44.01	\$7.70	\$15.40	\$0.00	\$67.11
	12/01/2021	\$45.02	\$7.70	\$15.40	\$0.00	\$68.12

For apprentice rates see "Apprentice- LABORER"

TEST BORING LABORER <i>LABORERS - FOUNDATION AND MARINE</i>	06/01/2018	\$37.95	\$7.70	\$15.40	\$0.00	\$61.05
	12/01/2018	\$38.90	\$7.70	\$15.40	\$0.00	\$62.00
	06/01/2019	\$39.90	\$7.70	\$15.40	\$0.00	\$63.00
	12/01/2019	\$40.90	\$7.70	\$15.40	\$0.00	\$64.00
	06/01/2020	\$41.89	\$7.70	\$15.40	\$0.00	\$64.99
	12/01/2020	\$42.87	\$7.70	\$15.40	\$0.00	\$65.97
	06/01/2021	\$43.89	\$7.70	\$15.40	\$0.00	\$66.99
	12/01/2021	\$44.90	\$7.70	\$15.40	\$0.00	\$68.00

For apprentice rates see "Apprentice- LABORER"

TRACTORS/PORTABLE STEAM GENERATORS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$46.17	\$10.50	\$15.50	\$0.00	\$72.17
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For apprentice rates see "Apprentice- OPERATING ENGINEERS"

TRAILERS FOR EARTH MOVING EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i>	12/01/2016	\$34.12	\$10.91	\$10.89	\$0.00	\$55.92
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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TUNNEL WORK - COMPRESSED AIR <i>LABORERS (COMPRESSED AIR)</i>	06/01/2018	\$50.23	\$7.70	\$15.80	\$0.00	\$73.73
	12/01/2018	\$51.18	\$7.70	\$15.80	\$0.00	\$74.68
	06/01/2019	\$52.18	\$7.70	\$15.80	\$0.00	\$75.68
	12/01/2019	\$53.18	\$7.70	\$15.80	\$0.00	\$76.68
	06/01/2020	\$54.17	\$7.70	\$15.80	\$0.00	\$77.67
	12/01/2020	\$55.15	\$7.70	\$15.80	\$0.00	\$78.65
	06/01/2021	\$56.17	\$7.70	\$15.80	\$0.00	\$79.67
	12/01/2021	\$57.18	\$7.70	\$15.80	\$0.00	\$80.68
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - COMPRESSED AIR (HAZ. WASTE) <i>LABORERS (COMPRESSED AIR)</i>	06/01/2018	\$52.23	\$7.70	\$15.80	\$0.00	\$75.73
	12/01/2018	\$53.18	\$7.70	\$15.80	\$0.00	\$76.68
	06/01/2019	\$54.18	\$7.70	\$15.80	\$0.00	\$77.68
	12/01/2019	\$55.18	\$7.70	\$15.80	\$0.00	\$78.68
	06/01/2020	\$56.17	\$7.70	\$15.80	\$0.00	\$79.67
	12/01/2020	\$57.15	\$7.70	\$15.80	\$0.00	\$80.65
	06/01/2021	\$58.17	\$7.70	\$15.80	\$0.00	\$81.67
	12/01/2021	\$59.18	\$7.70	\$15.80	\$0.00	\$82.68
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - FREE AIR <i>LABORERS (FREE AIR TUNNEL)</i>	06/01/2018	\$42.30	\$7.70	\$15.80	\$0.00	\$65.80
	12/01/2018	\$43.25	\$7.70	\$15.80	\$0.00	\$66.75
	06/01/2019	\$44.25	\$7.70	\$15.80	\$0.00	\$67.75
	12/01/2019	\$45.25	\$7.70	\$15.80	\$0.00	\$68.75
	06/01/2020	\$46.24	\$7.70	\$15.80	\$0.00	\$69.74
	12/01/2020	\$47.22	\$7.70	\$15.80	\$0.00	\$70.72
	06/01/2021	\$48.24	\$7.70	\$15.80	\$0.00	\$71.74
	12/01/2021	\$49.25	\$7.70	\$15.80	\$0.00	\$72.75
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - FREE AIR (HAZ. WASTE) <i>LABORERS (FREE AIR TUNNEL)</i>	06/01/2018	\$44.30	\$7.70	\$15.80	\$0.00	\$67.80
	12/01/2018	\$45.25	\$7.70	\$15.80	\$0.00	\$68.75
	06/01/2019	\$46.25	\$7.70	\$15.80	\$0.00	\$69.75
	12/01/2019	\$47.25	\$7.70	\$15.80	\$0.00	\$70.75
	06/01/2020	\$48.24	\$7.70	\$15.80	\$0.00	\$71.74
	12/01/2020	\$49.22	\$7.70	\$15.80	\$0.00	\$72.72
	06/01/2021	\$50.24	\$7.70	\$15.80	\$0.00	\$73.74
	12/01/2021	\$51.25	\$7.70	\$15.80	\$0.00	\$74.75
For apprentice rates see "Apprentice- LABORER"						
VAC-HAUL <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i>	12/01/2016	\$33.54	\$10.91	\$10.89	\$0.00	\$55.34
WAGON DRILL OPERATOR <i>LABORERS - ZONE 1</i>	06/01/2018	\$38.25	\$7.70	\$15.20	\$0.00	\$61.15
	12/01/2018	\$39.20	\$7.70	\$15.20	\$0.00	\$62.10
	06/01/2019	\$40.20	\$7.70	\$15.20	\$0.00	\$63.10
	12/01/2019	\$41.20	\$7.70	\$15.20	\$0.00	\$64.10
	06/01/2020	\$42.19	\$7.70	\$15.20	\$0.00	\$65.09
	12/01/2020	\$43.17	\$7.70	\$15.20	\$0.00	\$66.07
	06/01/2021	\$44.19	\$7.70	\$15.20	\$0.00	\$67.09
	12/01/2021	\$45.20	\$7.70	\$15.20	\$0.00	\$68.10
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
WASTE WATER PUMP OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2017	\$46.63	\$10.50	\$15.50	\$0.00	\$72.63
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
WATER METER INSTALLER <i>PLUMBERS &amp; GASFITTERS LOCAL 12</i>	03/01/2018	\$54.69	\$11.57	\$15.76	\$0.00	\$82.02
	09/01/2018	\$56.19	\$11.57	\$15.76	\$0.00	\$83.52
	03/01/2019	\$57.69	\$11.57	\$15.76	\$0.00	\$85.02
	09/01/2019	\$59.19	\$11.57	\$15.76	\$0.00	\$86.52
	03/01/2020	\$60.69	\$11.57	\$15.76	\$0.00	\$88.02
	09/01/2020	\$62.19	\$11.57	\$15.76	\$0.00	\$89.52
	03/01/2021	\$63.69	\$11.57	\$15.76	\$0.00	\$91.02
For apprentice rates see "Apprentice- PLUMBER/PIPEFITTER" or "PLUMBER/GASFITTER"						

Additional Apprentice Information:

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

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

All steps are six months (1000 hours.)

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

\*\* Multiple ratios are listed in the comment field.

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

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