

TOWN OF WESTFORD, MASSACHUSETTS

REQUEST FOR BIDS

FOR

**MICRO-SURFACING WITH FIBER
REINFORCED CRACK SEALING**

Contract 2013-HWY-005



**Advertisement Date:
March 28, 2013**

**HIGHWAY DEPARTMENT
28 NORTH STREET
WESTFORD, MASSACHUSETTS 01886
978-692-5520**



TOWN OF WESTFORD Highway Department

RICHARD J. BARRETT, JR.
HIGHWAY SUPERINTENDENT

2013 HIGHWAY DEPARTMENT MATERIALS/SERVICES

2013-HWY-005 BID ITEM

MICRO-SURFACING WITH FIBER REINFORCED CRACK SEALING

INVITATION TO BID

Town of Westford through the Town Manager's Office, hereinafter called the "Awarding Authority," or "Town" is requesting sealed bids for: Micro-Surfacing with Fiber Reinforced Crack Sealing work to be performed as necessary under the direction of the Awarding Authority personnel at selected sites throughout the Town of Westford.

Bids will be received by the Westford Highway Department at the Office of the Highway Superintendent, Westford Highway Facility, 28 North Street, Westford, Massachusetts 01886, on or before **Thursday, April 11, 2013 at 11:00 AM**, at which time they will be publicly opened and read aloud.

Each bid shall be submitted in a SEALED ENVELOPE MARKED "**TOWN OF WESTFORD HIGHWAY DEPARTMENT 2013-HWY-005 BID ITEM-MICRO-SURFACING WITH FIBER REINFORCED CRACK SEALING**". Bidder must use specifications. The sealed bid must include all completed forms provided in the enclosed Bid Form in order to be considered a responsive bid. These forms include: Unit Price Bid Sheet, Statement of Tax Compliance/Non-Collusion, Certificate of Vote, Contractor Certification, OSHA Compliance and References. Awarded bidder will be required to sign the Town's standard contract (sample contract attached as Appendix A).

All bids must be accompanied by a Bid deposit in the amount of 5% of the total bid. This may be cash, certified check or bid bond, payable to the Town of Westford.

Bid specifications may be obtained at the Westford Highway Department, 28 North Street, Westford, MA 01886 or electronically at: www.westfordma.gov/bidlist.

GENERAL PROVISIONS

All proposals are subject to Commonwealth of Massachusetts Department of Labor and Industry Rates, EEOC Regulations, OSHA regulations, and MGL Chapter 30B, Chapter 30 39M, and Chapter 149, Section 44A, where applicable. State Prevailing Wage Rates are attached in Appendix B. MBE and WBE contractors are encouraged to bid.

Quantities shown on bid sheets are approximate only and will be used for comparison of bids and to set amount of bid deposit. All bids shall be held firm from the award date for one full calendar year and may be extended for one or two additional years at the option of the Town of Westford.

At a minimum, all work shall be performed in compliance with MassDOT Standard Specifications for Highways and Bridges latest edition.

The Awarding Authority is exempt from sales and federal excise taxes to the extent permitted under law, proponents should not include such taxes in figuring or in reference to any bid.

INSURANCE

The following types of insurance shall be provided by the successful bidder, hereinafter referred to as the Contractor:

- A. General Liability of at least \$1,000,000 Bodily Injury and Property Damage Liability, Combined Single Limit with a \$3,000,000 Annual Aggregate Limit. The Town should be named as an "Additional Insured".
- B. Products and Completed Operations should be maintained for up to 3 years after the completion of the project.
- C. Automobile Liability (applicable for any contractor who has an automobile operating exposure) of at least \$1,000,000 Bodily Injury and Property Damage per accident. The Town should be named as an "Additional Insured".
- D. Workers' Compensation Insurance as required by law.
- E. Property Coverage for materials and supplies being transported by the contractor, as the Town's Property Contract provides coverage for personal property within 1000 feet of the premises.
- F. Umbrella Liability of at least \$2,000,000/ occurrence, \$2,000,000/aggregate. The Town should be named as an Additional Insured.

The Contractor shall indemnify and save harmless the Town, all of its officers, agents and employees from all suits, actions or claims of any character.

All policies shall be so written that the Owner is co-insured with the Contractor for the full amounts stated above. Also, policies shall be so written that the Owner will be notified in writing of cancellation or restrictive amendments at least thirty (30) days prior to the effective date of such cancellation or amendments.

PAYMENT BOND

A payment bond equal to 50% of the contract or equivalent will be required from the successful bidder.

PRE-QUALIFICATION

The Contractor must be pre-qualified and on MassDOT list of approved contractors. All work under this contract must conform to M.G.L c.30. sec.39S OSHA Compliance.

REFERENCES

The Contractor must submit with his bid proposal a list of three (3) municipal jobs, which he has successfully completed, giving the name and the address of these projects so they can be investigated prior to the award of the contract.

RULE FOR AWARD

It is the intention of the Awarding Authority to award each individual bid item included in the Bid Sheets separately. A contract shall only be awarded to the responsive and responsible Contractor with the lowest unit bid price for the corresponding individual bid item solicited. The Awarding Authority reserves the right to waive any informality and in addition to reject any and all bids if deemed to be in the best interest of the Town to do so. Also, the Awarding Authority reserves the right to reject any Bid if it determines that such Bid does not represent the bid of a person competent to perform the Work as specified.

BID FORM
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REINFORCED CRACK SEALING**

Includes the following:

**Unit Price Bid Sheets
Statement of Tax Compliance/Non-Collusion
Certificate of Vote
Contractor Certification
OSHA Compliance
References**

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UNIT PRICE BID SHEET

	ITEM DESCRIPTION	APPROX. QUANTITY	UNIT PRICE	TOTAL PRICE
1.	Surface Course (1lift)	15,000 Sq. Yards	\$ _____	\$ _____
2.	Leveling Course & Surface Course (2 lifts)	15,000 Sq. Yards	\$ _____	\$ _____
3.	Pavement Crack Filling using hot applied fiber reinforced asphalt sealant in accordance with attached specs.	5,000 Gallons	\$ _____	\$ _____

****NO MINIMUM AMOUNT OF WORK IS GUARANTEED****

Estimated Quantities for Bid Purposes Only

Bidder acknowledges receipt of the following addenda:

No. _____

Dated: _____

All bids shall be held firm from the award date for one full calendar year and may be extended for one or two additional years at the option of the Town of Westford.

All entries shall be made clearly in ink or typewritten.

The unit prices shall include all labor, materials, installation, overhead, profit, insurance, etc., to cover the complete type of work/service called for.

The Contractor understands that all bids for this project are subject to the applicable bidding laws of the Commonwealth of Massachusetts.

The Contractor understands that the OWNER reserves the right to reject any or all bids and to waive any informality in the bidding.

The Contractor agrees that this Bid shall be good and may not be withdrawn for a period of 30 days, Saturdays, Sundays and legal holidays excluded, after the opening of Bids.

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The undersigned hereby certifies that he/she is familiar with all conditions surrounding the proposed work and hereby proposes to furnish all labor materials, supplies and installation, and to perform the work in accordance with the documents, and at the unit prices stated. The undersigned also certifies that he will comply fully with all applicable laws and regulations.

COMPANY NAME _____

ADDRESS _____

PHONE # _____ **EMERGENCY #** _____ **FAX #** _____

AUTHORIZED SIGNATURE _____

PRINT NAME AND TITLE _____

DATE _____

FEDERAL TAX ID# _____

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STATEMENT OF TAX COMPLIANCE/NON-COLLUSION

As required under Chapter 233 and 701 of the Massachusetts Acts and Resolves of 1993, all bidders certify to the following, by signing this page in the space indicated below:

1. The undersigned certifies under the penalties of perjury that his bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this paragraph, the word person shall mean any natural business or legal entity.

2. Pursuant to M.G.L. C62C S49A, I certify under the penalties of perjury that I, to the best of my knowledge and belief, have filed all state tax returns and paid all state taxes required under law.

Social Security Number or Federal Tax Identification Number of

Bidder: _____

Date: _____

Name of Company: _____

Business Address: _____

Authorized Signature: _____

Title: _____

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CERTIFICATE OF VOTE

I, _____, Clerk of
_____, hereby certify that at a meeting of the
Board of Directors of said Corporation duly held on _____, 20____, at which a
quorum was present (date must be earlier than contract)

and voting throughout, the following vote was duly passed and is now in full force and effect:

“VOTED: That _____

(Name of Officer Authorized to Sign for Corporation)

be and hereby is authorized, directed an empowered for, in the name and on behalf of this
Corporation to sign, seal with corporate seal, execute, acknowledge and deliver all contracts,
bonds, and other obligations of this Corporation, the execution of any such contract, bond or
obligation by such _____

(Name of Officer)

to be valid and binding upon this Corporation for all purposes, and that a certificate of the
Clerk of this Corporation setting forth this vote shall be delivered to the Town of Westford;
and that this vote shall remain in full force and effect unless and until the same has been
altered, amended or revoked by a subsequent vote of such directors and certificate of such
later vote attested by the Clerk of this Corporation is delivered to the Town of Westford.”

I further certify that _____, is the duly

(Name of Officer)

elected _____ of said Corporation.

(Title)

Signed: _____

(Clerk-Secretary)

Place of Business: _____

Date of Contract: _____

In the event that the Clerk or Secretary is the same person as the Officer authorized to sign
the contract or other instrument for the Corporation this certificate must be countersigned
by another officer of the Corporation.

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INSTRUCTIONS:

Executive Order 481 applies to all state agencies in the Executive Branch, including all executive offices, boards, commissions, agencies, departments, divisions, councils, bureaus, and offices, now existing and hereafter established. As it is the policy of the Executive Branch to prohibit the use of undocumented workers in connection with the performance of state contracts, all contracts entered into after February 23, 2007 require that contractors, as a condition of receiving Commonwealth funds under any Executive Branch contract, make the following certification:

CONTRACTOR CERTIFICATION:

As evidenced by the signature of the Contractor's Authorized Signatory below, the Contractor certifies under the pains and penalties of perjury that the Contractor shall not knowingly use undocumented workers in connection with the performance of all Executive Branch contracts; that pursuant to federal requirements, the Contractor shall verify the immigration status of all workers assigned to such contracts without engaging in unlawful discrimination; and that the Contractor shall not knowingly or recklessly alter, falsify, or accept altered or falsified documents from any such worker(s). The Contractor understands and agrees that breach of any of these terms during the period of each contract may be regarded as a material breach, subjecting the Contractor to sanctions, including but not limited to monetary penalties, withholding of payments, contract suspension or termination.

_____ Date: _____
Contractor Authorizing Signature

Print Name

Title: _____ Telephone: _____

Fax: _____ Email: _____

The Contractor is required to sign this Certification only once and may provide a copy of the signed Certification for any contract executed with an Executive Branch Department. A copy of this signed Certification must be attached to the "record copy" of all contracts with this Contractor that are filed with the contracting Department.

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OSHA Compliance

The undersigned certifies under pains and penalties of perjury that all work pertaining to this bid is in compliance with M.G.L. c.30. sec. 39S as further described below;

Section 39S. (a) As used in this section the word “person” shall mean any natural person, joint venture, partnership corporation or other business or legal entity. Any person submitting a bid for, or signing a contract to work on, the construction, reconstruction, alteration, remodeling or repair of any public work by the Commonwealth, or political subdivision thereof, or by any county, city, town, district, or housing authority, and estimated by the awarding authority to cost more than \$10,000, and any person submitting a bid for, or signing a contract to work on, the construction, reconstruction, installation, demolition, maintenance or repair of any building by a public agency, estimated to cost more than \$10,000, shall certify on the bid, or contract, under penalties of perjury, as follows:

(1) that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed in the work; (2) that all employees to be employed at the worksite will have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee; and (3) that all employees to be employed in the work subject to this bid have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration.

(b) Any employee found on a worksite subject to this section without documentation of successful completion of a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration shall be subject to immediate removal.

(c) The attorney general, or his designee, shall have the power to enforce this section including the power to institute and prosecute proceedings in the superior court to restrain the award of contracts and the performance of contracts in all cases where, after investigation of the facts, he has made a finding that the award or performance has resulted in violation, directly or indirectly, of subsection (b), and he shall not be required to pay to the clerk of the court an entry fee in connection with the institution of the proceeding.

(Signature of individual responsible)

(Name of Business)

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REFERENCES

Contact Name	Contact Address	Contact Telephone #	Municipal Project (w/ Date Completed)

SPECIFICATIONS
**2013-HWY-005 BID ITEM – MICRO-SURFACING WITH FIBER
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SPECIFICATIONS
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All work shall be in conformance with the MassDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES LATEST EDITION, THE SUPPLEMENTAL SPECIFICATIONS DATED DECEMBER 11, 2002, 1992 AASHTO SPECIFICATIONS FOR HIGHWAYS AND BRIDGES WITH INTERIMS THROUGH 1994, MHD BRIDGE MANUAL PART I AND PART II, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-89) OR LATER, THE 1977 CONSTRUCTION STANDARDS, THE 2003 EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

All workmanship shall be of the highest quality. Any workmanship determined to be below the high standards of the particular craft involved will not be accepted, and will be corrected and/or replaced as required by the Highway Superintendent.

The work covered by these specifications consists of furnishing all labor, equipment and materials, necessary for the cleaning and filling of construction and random cracks in bituminous concrete pavements as directed by the Highway Superintendent.

DESCRIPTION

Micro-surfacing is a tough and durable thin overlay material which can restore the original service properties to worn but structurally sound pavements. Its properties are based on a blend of select crushed aggregate and a sophisticated chemical formulation of asphalt cement, cationic emulsifiers, adhesives, and latex. This specification covers all materials, equipment, construction and application procedures for ruffilling and/or surfacing of existing paved surfaces. The micro-surfacing shall be a mixture of cationic latex modified asphalt emulsion, mineral aggregate, mineral and field control additives, and water, properly proportioned, mixed and spread on the paved surface in accordance with this specification and as directed by the Highway Superintendent or his designee.

MATERIALS

Emulsified Asphalt: The emulsified asphalt shall be a quick-set latex modified cationic type CSS-1 H emulsion and shall conform to the requirements specified in AASHTO M208 and ASTM 2397. It shall pass all applicable storage and settlement tests. The latex shall be milled into the emulsion. The cement mixing test shall be waived for this emulsion.

Special Residue Properties: Distillation of residue will be at a temperature of 350 degrees F for 20 minutes. Softening point of the residue shall be 140 degrees F minimum. Viscosity, absolute at 140 degrees F, shall be 8,000 poise minimum.

Aggregate: General - The mineral aggregate used shall be of the type and grade specified for micro-surfacing. The aggregate shall be manufactured crushed stone such as granite, slag, limestone, chat, or other high quality aggregate or combination thereof.

Mineral Additive	0.5% to 3% by dry weight of aggregate
Latex Modifier	As required to provide specified properties
Field Control Additive	As required to provide specified properties
Water	As required to produce consistency

Aggregate - Recommended Gradations:

Screen Size	Type II <u>% Passing</u>	Type III <u>% Passing</u>
3/8"	100	100
#4	90-100	70-90
#8	65-90	45-65
#16	40-65	30-50
#30	25-45	19-34
#50	15-30	12-25
#100	10-21	7-18
#200	5-13	4-12

Suggested Application Rate:

Type II - Urban and Residential Streets
 Airport Runways: 18-22 lbs. per sq. yd.

Type III - Primary and Interstate Routes: 25 - 30 lbs. per sq. yd.
 Wheel Ruts: Application rates as required.

EQUIPMENT

General: All equipment, tools, and machines used in the performance of this work shall be maintained in satisfactory working condition at all times to ensure a high quality product.

Mixing Equipment: The material shall be mixed by a self-propelled micro surfacing mixing machine which shall be a continuous flow mixing unit able to accurately deliver and proportion the aggregate, emulsified asphalt, mineral and field control additives, and water to a revolving multi-blade twin shafted mixer and discharge the mixed product on a continuous flow basis. The machine shall have sufficient storage capacity for aggregate, emulsified asphalt, mineral and field control additives, and water to maintain an adequate supply to the proportioning controls. The machine may be equipped with self-loading devices which provide for the loading of materials while continuing to lay micro-surfacing, thereby minimizing construction joints.

Proportioning Devices: Individual volume or weight controls for proportioning each material to be

added to the mix, i.e., aggregate, emulsified asphalt, mineral and field control additives, and water shall be provided and properly marked. These proportioning devices are usually revolution counters or similar devices and are used in material calibration and determining the materials output at any time.

Emulsion Pump: The emulsion pump shall be a heated positive displacement type.

Spreading Equipment: The surfacing mixture shall be spread uniformly by means of a mechanical type spreader box attached to the mixer, equipped with paddles to agitate and spread the materials throughout the box. A front seal shall be provided to insure no loss of the mixture at the road contact point. The rear seal shall act as final strike off and shall be adjustable. The mixture shall be spread to fill cracks and minor surface irregularities and leave a uniform skid resistant application of material on the surface. The spreader box and rear strike off shall be so designed and operated that a uniform consistency is achieved to produce a free flow of material to the rear strike off. The longitudinal joint where two passes join shall be neat appearing, uniform and lapped. All excess material shall be removed from the job site prior to opening the road. The spreader box shall have suitable means provided to side shift the box to compensate for variations in pavement width and longitudinal alignment. A Rut Box shall be available to prefill wheel ruts when necessary prior to overlay to eliminate puddles or runoff interruption. The box shall be readily adjustable from 4' - 6' width with hydraulically adjusted strike off screeds to attain maximum grade and profile.

Auxiliary Equipment: Suitable surface cleaning equipment, traffic control equipment, hand tools and any support equipment shall be provided as necessary to perform the work.

MACHINE CALIBRATION

Each mixing unit to be used in performance of the work shall be calibrated in the presence of the Highway Superintendent or his designee prior to construction, or previous calibration documentation covering the exact materials to be used may be acceptable provided they were made during that calendar year. The documentation shall include the individual calibration of each material at various settings, which can be related to the machine metering devices.

WEATHER LIMITATIONS

The material shall be spread only when the road surface and atmospheric temperatures are at least 45 degrees F and rising and the weather is not rainy and there is no forecast of temperatures below 32 degrees F within 48 hours from the time of placement of the mixture.

NOTIFICATION AND TRAFFIC CONTROL

Notification: All homeowners and businesses affected by the construction shall be notified one day in advance of the surfacing. This notification shall be in the form of a written posting stating the times and dates that construction is expected on their road.

Traffic Control: Suitable methods shall be used by the contractor to protect the micro-surface from traffic until the new surface will support traffic without damage. All traffic control methods used shall be in accordance with the Highway Superintendent or his designee's specifications and shall be employed in a safe manner.

SURFACE PREPARATION

General: The area to be surfaced shall be thoroughly cleaned of vegetation, loose aggregate and soil, particularly soil that is bound to the surface. Manholes, valve boxes and other service entrances will be protected from the surfacing material.

Cracks in Surface: It is advisable to pretreat the cracks in the surface with a fiberized crack sealer prior to the application of the micro-surfacing. See specification No. 1 B.

Tack Coat: The contractor shall apply a tack coat consisting of one part emulsified asphalt and three parts water with a distributor at .10 - .15 gallons per square yard. This emulsified asphalt should be the CSS1H emulsion grade.

STOCKPILE

Precautions shall be taken to insure that stockpiles do not become contaminated. The mineral aggregate shall be screened prior to being weighed for job site delivery. This weight shall be done by means of a scale approved by the Highway Superintendent or his designee.

APPLICATION

General: The surface should be pre-wetted by fogging ahead of the spreader box when required by local conditions. The rate of application of the fog spray shall be adjusted during the day to suit temperatures, surface texture, humidity, and dryness of the pavement surface. The micro-surfacing mixture shall be of the desired consistency upon leaving the mixer and no additional materials should be added. A sufficient amount of material shall be carried in all parts of the spreader at all times so that a complete coverage is obtained. Overloading of the spreader shall be avoided. No lumping, balling, or unmixed aggregate shall be permitted. No streaks, such as those caused by oversized aggregate, will be left in the finished surface. If excessive oversize develops, the job will be stopped until the contractor proves to the Highway Superintendent or his designee that the situation has been corrected.

Joints: No excessive buildup, uncovered areas or unsightly appearances shall be permitted on longitudinal or transverse joints. The contractor shall provide suitable width spreading equipment to produce a minimum number of longitudinal joints throughout the project. When possible, longitudinal joints shall be placed on lane lines. Half passes and odd widths passes will be used only in minimum amounts. If half passes are used, they shall not be the last pass of any paved areas.

Mix Stability: The micro-surfacing mixture shall possess sufficient stability so that premature breaking of the material in the spreader box does not occur. The mixture shall be homogeneous during and following mixing and spreading. It shall be free of excess water or emulsion and free of segregation of the emulsion and aggregate fines from the coarser aggregate.

Hand Work: Areas which cannot be reached with the mixing machine shall be surfaced using hand squeegees to provide complete and uniform coverage. The area to be handworked shall be lightly dampened prior to mix placement. Care shall be exercised to leave no unsightly appearance from handwork. The same type finish as applied by the spreader box shall be required. Handwork shall be completed at the time of the machine applying process.

Lines: Care shall be taken to insure straight lines along curbs and shoulders. No runoff on these

areas will be permitted. Lines at intersections will be kept straight to provide a good appearance.

Rolling: If required by the plans, specified areas shall be rolled by a self-propelled 10 ton pneumatic roller with a tire pressure of 50 PSI and equipped with a water spray system.

QUALITY CONTROL

Materials: The contractor will permit the Highway Superintendent or his designee to take samples of the aggregate and asphalt emulsion to be used in the project at the Highway Superintendent or his designee's discretion. Gradation and sand equivalent tests may be run on the aggregate and residual asphalt content test on the emulsion. Test results will be compared to specifications. Tests will be run by a qualified laboratory at the expense of the buyer. The buyer must notify the contractor immediately if any test fails to meet the specifications.

Micro-Surfacing Mixture: Samples of the mixture should be taken daily and may be taken directly from the mixing unit(s). Consistency and residual asphalt content tests may be made on the samples and compared to the specifications. Tests will be run by a qualified laboratory at the expense of the buyer. The buyer must notify the contractor immediately if any test fails to meet specifications. The Highway Superintendent or his designee may use the recorder and measuring facilities of the unit to determine application rates, asphalt emulsion content, mineral and field control additives, and water.

Non-Compliance: If any two successive tests fail on the stockpile material, the job shall be stopped. It is the responsibility of the contractor, at his own expense, to prove to the Highway Superintendent or his designee that the conditions have been corrected. If any two successive tests on the mix from the same machine fail, the use of the machine shall be suspended. It will be the responsibility of the contractor, at his own expense, to prove to the Highway Superintendent or his designee that the problems have been corrected and that the machine is working properly.

PERFORMANCE WARRANTY

The contractor must furnish the following warranty after completion of the work and prior to final payment: The Contractor hereby warrants that all workmanship and all materials furnished under the contract comply fully with requirements of these Micro-Surfacing Specifications.

If at any time within two years after the date of the final inspection, any unfaithful or defective work should appear, which in the opinion of the Buyer is due to inferior materials or workmanship, the Contractor warrants to do whatever is necessary to remedy the defects immediately without cost to the Buyer. The Buyer will notify the Contractor in writing of the defects and the repairs to be made, and the Contractor will begin repairs within a mutually agreed time frame.

MEASUREMENT AND PAYMENT

The quantity to be measured for payment will be the number of square yards of Micro-Surfacing actually completed. The accepted quantity of Micro-Surfacing will be paid for at the contract unit price per square yard of the type specified in the proposal, which shall be full compensation for furnishing, transporting, handling and placing the material specified and furnishing of all labor, tools, equipment and incidentals for the satisfactory completion of this item. Rut filling will be paid by the ton of mixed material in place.

RANDOM-CRACK SEALING BY FIBER REINFORCED METHOD

SCOPE OF WORK

- a. The work covered by this section of the specification consists of furnishing all plant, labor, equipment and materials necessary to perform all operations in connection with the cleaning and sealing of construction and random cracks in bituminous concrete pavements, and vegetation removal and sterilization of cracks where necessary.

MATERIAL

- a. Crack sealer shall be an asphalt-fiber compound designed especially for improving strength and performance of the parent asphalt sealant.
 - (1) Asphalt Sealant shall be a grade PG 58-28 (formerly AC-10), PG 64-22 or PG 64-28 (formerly AC-20) with a penetration of 75-100.
 - (2) Fiber reinforcing materials shall be short-length polyester fibers having the following properties.

Length	7 mm.
Diameter	0.0008 inch plus or minus 0.0001 inch
Specific Gravity	1.32 to 1.40
Melt Temperature	480 degrees F. minimum
Ignition Temperature	1000 degrees F. minimum
Tensile Strength	75,000 PSI plus or minus 5,000 PSI
Break Elongation	33% plus or minus 9%----They are fully drawn

- b. Asphalt-Fiber compound shall be mixed at a rate of 6-8% fiber weight to weight of asphalt cement. This compound having the same chemical base provides compatibility and exhibits excellent bond strengths. The fiber functions to re-distribute high stress and strain concentrations that are imposed on the sealant by thermal sources, traffic loading, etc.

EQUIPMENT

- a. Equipment used in the performance of the work required by this section of the specification shall be subject to the engineer and maintained in a satisfactory working condition at all times.
 - (1) Air Compressor: Air compressors shall be portable and capable of furnishing not less than 100 cubic feet of air per minute at not less than 90 lbs. per square inch pressure at the nozzle. The compressor shall be equipped with traps that will maintain the compressed air free of oil and water.
 - (2) Manually operated, gas powered air-broom or self-propelled sweeper designed especially for use in cleaning highway and airfield pavements shall be used to remove debris, dirt, and dust from the cracks.
 - (3) Hand tools shall consist of brooms, shovels, metal bars with chisel shaped ends, and any other tools which may be satisfactorily used to accomplish this work.

- (4) Melting Kettle: The unit used to melt the joint sealing compound shall be double boiler, indirect fired type. The space between the inner and outer shells shall be filled with a suitable heat transfer oil or substitute having a flash point of not less than 600 degrees F. The kettle shall be equipped with a satisfactory means of agitating the joint sealer at all times. This may be accomplished by continuous stirring with mechanically operated paddles and/or by a continuous circulating gear pump attached to the heating unit. The kettle must be equipped with thermostatic control calibrated between 200 degrees F. and 550 degrees F.

PREPARATION OF CRACKS

- (a) Debris Removal: All cracks shall be blown clean by high pressure air. All old material and other debris removed from the cracks shall be removed from pavement surface immediately by means of power sweepers or hand brooms or air brooms.
- (b) Vegetation: When cracks show evidence of vegetation, it shall be removed and sterilized by use of Propane Torch unit generating 2000 degrees F. and 3000 foot/second velocity to eliminate all vegetation, dirt, moisture and seeds.
- (c) General: No crack sealing material shall be applied in wet cracks or where frost, snow or ice is present nor when ambient temperature is below 25 degrees F.

PREPARATION AND PLACEMENT OF SEALER

- (a) Joint sealing material shall be heated and applied at a temperature specified by the manufacturer and approved by the engineer. Minimum application temperature shall be 320 degrees F.
- (b) Sealer shall be delivered to the pavement surface through a pressure hose line and applicator shoe. The shoe width and overbanding area shall not exceed three inches (3") in diameter.. When traffic requires immediate use of the roadway, a boiler slag aggregate shall be broadcast over cracks to prevent sealer pickup.

WORKMANSHIP

All workmanship shall be of the highest quality, and excess of spilled sealer shall be removed from the pavement by approved methods and discarded. Any workmanship determined to be below the high standards of the particular craft involved will not be accepted, and will be corrected and/or replaced as required by the Highway Superintendent or his designee.

PERFORMANCE

- (a) Properly formulated and mixed asphalt fiber compound overbanding shall not expand beyond four inches (4") in width due to temperature or traffic compression after placement by contractor. Penalties will be imposed upon the contractor for expansion of the overbanding beyond four inches (4").
- (b) The Owner will require the contractor to successfully perform a 200 foot test strip in the field prior to commencing work under the contract.

- (c) Manufacturer's certificate of material compliance will be furnished to the Owner certifying conformance to the above material specifications.

MEASUREMENT AND PAYMENT

- (a) Measurement for this bid unit shall be by the gallon and shall be the actual number of gallons of sealer applied to the pavement. Payment shall be at the unit price bid in the proposal and shall be complete payment for the entire item including furnishing, preparation and placing of materials, labor and equipment to be used on this project.
- (b) Expansion of the overband by traffic or weather will result in a penalty equivalent to the ratio of the expansion to the overband. (Example: A one inch (1") expansion of a four inch (4") overband will result in a 25% reduction in the number of gallons paid.)

APPENDIX A

**TOWN OF WESTFORD
SAMPLE STANDARD CONTRACT**

**SAMPLE
STANDARD GENERAL CONTRACT
FOR GOODS**

Agreement effective the _____ day of _____, 20____ by and between the Town of Westford, 55 Main Street, Westford, MA 01886, a duly existing municipal corporation in the Commonwealth of Massachusetts, through its duly elected Board of Selectmen or its Town Manager as signed below, with no personal liability to themselves hereinafter referred to as the "Town" and (name & address) _____
_____ hereinafter referred to as the "Contractor".

RECITALS

WHEREAS the Contractor will furnish the Town with goods and;

WHEREAS the Town desires to obtain such from Contractor in a timely manner and;

WHEREAS it was one of the conditions of the award of this contract that a formal agreement should be executed, by the Contractor and Town, evidencing the terms of the award.

NOW THEREFORE in consideration of the mutual covenants contained the parties agree as follows:

ARTICLE I: Contractor shall furnish Town with: _____

subject to and in compliance with all conditions, covenants, stipulations, terms and provisions contained in the specifications, instructions to bidders and related documents, which if attached hereto are shown as lettered Exhibit(s) _____ and which are incorporated herein by reference, for the sum equal to the aggregate purchase price of that described above to be furnished by Contractor at the prices and rates specified in the proposal, which if also attached hereto is shown as Exhibit _____ and which is incorporated herein by reference.

ARTICLE II: Contractor shall commence the performance of this contract within _____ days of receiving written notice to proceed and shall have completed the work on or before _____ days after notice was received.

ARTICLE III: Contractor covenants and agrees to faithfully perform all of its obligations under this agreement and the incorporated documents hereto. Said performance shall be in a professional and workmanlike manner and in accordance with the standard of care and conduct that is generally acceptable in the business or profession.

ARTICLE IV: In addition to any other warranties or guarantees in any documents incorporated herein by reference, Contractor warrants that what is being provided, described above in Article I, as the subject matter of this contract, is fit for the use or purpose intended. Contractor further certifies the suitability, professionalism and capability of all individuals employed to furnish any services specified in Article I above.

ARTICLE V: The contractor shall purchase and maintain such insurance as will protect it and the Town from claims which arise out of or result from the Contractor's operations under the contract, whether such operations be by itself or by any subcontractor or anyone directly or indirectly employed by any of them. The insurance required shall be with a company authorized to do business in the Commonwealth of Massachusetts and satisfactory to the Town, and shall be written for limits of the liability satisfactory to the Town, and shall include insurance in the following amounts:

LIABILITY - Limits to be Determined
UMBRELLA - Limits to be Determined
WORKER'S COMPENSATION - per statutory requirements
AUTO LIABILITY - Limits to be Determined

Certificates of Insurance acceptable to the Town, naming the Town as an additional insurer, shall be submitted to the Town simultaneously with the execution of the Contract.

ARTICLE VI: The Town has waived the cost of the building permits if required for this project. All permits must still be obtained by the appropriate Contractors as normally required.

ARTICLE VII: This project is Tax Exempt. The tax exemption number will be furnished to the General Contractor by the Owner after award of the contract.

ARTICLE VIII: Termination/Right to Stop Work. The Town may terminate this contract if (a) any material misrepresentation is made by the contractor; (b) any failure by the Contractor to perform any of its obligations under this contract, including but not limited to, the following: (i) failure to commence performance of this contract at time specified due to a reason or circumstance within the Contractor's reasonable control; (ii) failure to perform this contract with sufficient personnel and equipment or with sufficient material to ensure the completion of this contract within the specified time due to a reason or circumstance within the Contractor's reasonable control; (iii) failure to perform this contract in a manner reasonably satisfactory to the Town; (iv) failure to promptly re-perform, within reasonable time, the services that were rejected by the Town as erroneous or unsatisfactory; (v) discontinuance of the services for reasons not beyond the Contractor's reasonable control; (vi) failure to comply with a material term of this contract; and, (vii) any other acts specifically and expressly stated in this contract as constituting a basis for termination of this contract.

The Town may order the Contractor in writing to suspend, delay, or interrupt all or any part of the work for such a period of time as it may determine to be appropriate for the convenience of the Town. The Town may terminate this Contract at any time, with or without cause, upon thirty (30) days written notice to the other party, sent by certified mail, to the usual place of business of the other party.

ARTICLE IX: Damages - From any sums due to the Contractor for performance of this contract, the Town may keep for its own the whole or any part of the amount for expenses, losses and damages incurred by the Town as a consequence of the need to hire a third party to perform the work required by this contract, including the cost of labor and equipment as a result of any event of default, failure, omission or mistake of the Contractor in performing the work as provided in this Contract.

It is further agreed by the Contractor that, in the event the Town is sued in a court of law or equity, or demand is made upon the Town for payment of any damages arising out of any errors or omissions on behalf of the Contractor, or the Contractor's performance or non-performance of this Contract, then the Contractor, without reservation, shall indemnify and hold harmless the Town against any and all claims arising out of the Contractor's performance or non-performance of the Agreement.

ARTICLE X: Confidentiality: The Contractor shall treat as confidential any personal or confidential information obtained from the Town during the negotiation of, or pursuant to, this Agreement and shall not divulge such information to any person (except to such Contractor's own employees or consultants who need to know the same) without the Town's prior written consent provided that this clause shall not extend to information which is already public or becomes so at a future date (otherwise than as a result of a breach of this clause) . The Contractor shall ensure that its employees and consultants are aware of and comply with this clause.

ARTICLE XI: Governing Ordinances and Laws - This contract is made subject to all the laws of the Commonwealth and the By-laws of the Town and if any such clause thereof does not conform to such Laws or Bylaws, such clause shall be void (the remainder of this Contract shall not be affected) and such Laws or By-laws shall be operative in lieu thereof.

ARTICLE XII: Equal Opportunity: The Contractor, in the performance of all work under this contract, will not discriminate on the grounds of race, color, sex, age, religious creed, disability, national origin or ancestry, sexual orientation, marital status, family status, military status, or source of income in the employment practices or in the selection or retention of subcontractors, and in the procurement of materials and rental of equipment. The Town may cancel, terminate or suspend the contract in whole or in part for any violation of this Article.

ARTICLE XIII. Assignability: The Contractor shall not assign, sell, subcontract or transfer any interest in this contract without prior written consent of the Town.

ARTICLE XIV. Notice: Any notice to be given by either party to the other shall be deemed duly given if mailed, via certified mail, return receipt requested, as follows:

In the case of the Town to:

Jodi Ross, Town Manager, 55 Main Street, Westford, MA 01886

In the case of the Contractor to:

ARTICLE XV. Amendments: This contract represents the entire agreement between the parties and the terms of this contract may not be altered or amended except by writing by the parties with the same formalities as this agreement.

ARTICLE XVI. Severability: If any provision of this Agreement or any portion of such provision shall be held invalid or illegal, then the remainder of this Agreement or the remainder of such provision shall not be affected thereby.

ARTICLE XVII. Interpretation of Specifications and Contract Requirements: A decision of interpretation of the specifications, approval of equipment, material or any other approval, or progress of the work by the Contractor, shall be made promptly and, in any event, no later than thirty days after the written submission for decision by the Town, but if such decision requires extended investigation and study, the Town shall, within thirty days after the receipt of the submission, give the party making the submission written notice of the reasons why the decision cannot be made within the thirty day period and the date by which the decision will be made.

ARTICLE XVIII. Indemnification: The Contractor hereby assumes the entire responsibility and liability for any and all injuries to, or death of, all persons, including the Contractor's employees, and for any and all damage to property caused by, resulting from, or arising out of, any act, omission or neglect on the part of the Contractor or anyone directly or indirectly employed by the Contractor.

ARTICLE XIX: The Town agrees to faithfully pay the Contractor, when due and payable, and under the terms of all such incorporated documents and instruments to this agreement, all such contracted sums.

ARTICLE XX: COMPLIANCE – M.G.L. Chapter 62C, §49A

Prior to the issuance of the Contract, _____ shall attest under the penalties of perjury that it is in compliance with all the laws of the Commonwealth of Massachusetts relating to taxes. This statement is required in accordance with Massachusetts General Law c.62C, Section 49A.

Pursuant to M.G.L. c.62C, § 49A, I certify under the penalties of perjury that I, to the best of my best knowledge and belief, have filed all state tax returns and paid all state taxes, reported all employees and contractors, and withheld and remitted child support, as required by law.

(NAME OF COMPANY)

Social Security Number or Federal
Identification Number

By _____
Corporation Officer or Authorized

IN WITNESS WHEREOF, the parties hereto have set their hand and seals to this Agreement on the _____ day of _____, 20____.

Availability of Funds:

Town of Westford by its
Board of Selectmen or Town Administrator
Date if Board vote (if any) _____

Town Accountant

Contractor:

Signature

Print

Title

Corporate Seal

APPENDIX B

STATE PREVAILING WAGE RATES



DEVAL L. PATRICK
Governor
TIMOTHY P. MURRAY
Lt. Governor

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

Prevailing Wage Rates

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

JOANNE F. GOLDSTEIN
Secretary
HEATHER E. ROWE
Director

Awarding Authority: Town of Westford Highway Department
Contract Number: **City/Town:** WESTFORD
Description of Work: Town-wide Highway Construction Works; Various construction work to the town roadway infrastructure
Job Location: Town-wide

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.
- Awarding authorities 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.
- 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. Once a contractor has been selected by the awarding authority, the wage schedule shall be made a part of the contract for that project. The wage schedule must be posted in a conspicuous place at the work site during 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 regardless of whether they are employed by the prime contractor, a filed sub-bidder, or any sub-contractor.
- All apprentices must be registered with the Massachusetts Division of Apprenticeship Training (DAT) in order to be paid at the lower apprentice rates. All apprentices must keep his/her apprentice identification card on his/her person during all work hours. If a worker is not registered with DAT, he/she must be paid the "total rate" listed on the wage schedule regardless of experience or skills.
- 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. 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 directly to the awarding authority 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 criminal penalties.

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
Construction						
(2 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2012	\$30.45	\$8.91	\$8.00	\$0.00	\$47.36
(3 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2012	\$30.52	\$8.91	\$8.00	\$0.00	\$47.43
(4 & 5 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2012	\$30.64	\$9.07	\$8.00	\$0.00	\$47.71
ADS/SUBMERSIBLE PILOT <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2012	\$82.32	\$9.80	\$17.67	\$0.00	\$109.79
	08/01/2013	\$85.47	\$9.80	\$17.67	\$0.00	\$112.94
	08/01/2014	\$88.62	\$9.80	\$17.67	\$0.00	\$116.09
	08/01/2015	\$91.77	\$9.80	\$17.67	\$0.00	\$119.24
AIR TRACK OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2012	\$30.35	\$7.10	\$11.55	\$0.00	\$49.00
	06/01/2013	\$30.85	\$7.10	\$11.55	\$0.00	\$49.50
	12/01/2013	\$31.35	\$7.10	\$11.55	\$0.00	\$50.00
	06/01/2014	\$31.85	\$7.10	\$11.55	\$0.00	\$50.50
	12/01/2014	\$32.35	\$7.10	\$11.55	\$0.00	\$51.00
	06/01/2015	\$32.85	\$7.10	\$11.55	\$0.00	\$51.50
	12/01/2015	\$33.35	\$7.10	\$11.55	\$0.00	\$52.00
	06/01/2016	\$33.85	\$7.10	\$11.55	\$0.00	\$52.50
	12/01/2016	\$34.60	\$7.10	\$11.55	\$0.00	\$53.25
For apprentice rates see "Apprentice- LABORER"						
ASBESTOS REMOVER - PIPE / MECH. EQUIPT. <i>ASBESTOS WORKERS LOCAL 6 (BOSTON)</i>	12/01/2012	\$29.08	\$10.40	\$5.95	\$0.00	\$45.43
	06/01/2013	\$29.88	\$10.40	\$5.95	\$0.00	\$46.23
	12/01/2013	\$30.68	\$10.40	\$5.95	\$0.00	\$47.03
	06/01/2014	\$31.58	\$10.40	\$5.95	\$0.00	\$47.93
	12/01/2014	\$32.48	\$10.40	\$5.95	\$0.00	\$48.83
	06/01/2015	\$33.43	\$10.40	\$5.95	\$0.00	\$49.78
	12/01/2015	\$34.38	\$10.40	\$5.95	\$0.00	\$50.73
ASPHALT RAKER <i>LABORERS - ZONE 2</i>	12/01/2012	\$29.85	\$7.10	\$11.55	\$0.00	\$48.50
	06/01/2013	\$30.35	\$7.10	\$11.55	\$0.00	\$49.00
	12/01/2013	\$30.85	\$7.10	\$11.55	\$0.00	\$49.50
	06/01/2014	\$31.35	\$7.10	\$11.55	\$0.00	\$50.00
	12/01/2014	\$31.85	\$7.10	\$11.55	\$0.00	\$50.50
	06/01/2015	\$32.35	\$7.10	\$11.55	\$0.00	\$51.00
	12/01/2015	\$32.85	\$7.10	\$11.55	\$0.00	\$51.50
	06/01/2016	\$33.35	\$7.10	\$11.55	\$0.00	\$52.00
	12/01/2016	\$34.10	\$7.10	\$11.55	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$40.09	\$10.00	\$13.02	\$0.00	\$63.11
	06/01/2013	\$40.87	\$10.00	\$13.02	\$0.00	\$63.89
	12/01/2013	\$41.65	\$10.00	\$13.02	\$0.00	\$64.67
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
BACKHOE/FRONT-END LOADER <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$40.09	\$10.00	\$13.02	\$0.00	\$63.11
	06/01/2013	\$40.87	\$10.00	\$13.02	\$0.00	\$63.89
	12/01/2013	\$41.65	\$10.00	\$13.02	\$0.00	\$64.67
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BARCO-TYPE JUMPING TAMPER <i>LABORERS - ZONE 2</i>	12/01/2012	\$29.85	\$7.10	\$11.55	\$0.00	\$48.50
	06/01/2013	\$30.35	\$7.10	\$11.55	\$0.00	\$49.00
	12/01/2013	\$30.85	\$7.10	\$11.55	\$0.00	\$49.50
	06/01/2014	\$31.35	\$7.10	\$11.55	\$0.00	\$50.00
	12/01/2014	\$31.85	\$7.10	\$11.55	\$0.00	\$50.50
	06/01/2015	\$32.35	\$7.10	\$11.55	\$0.00	\$51.00
	12/01/2015	\$32.85	\$7.10	\$11.55	\$0.00	\$51.50
	06/01/2016	\$33.35	\$7.10	\$11.55	\$0.00	\$52.00
For apprentice rates see "Apprentice- LABORER"						
BLOCK PAVER, RAMMER / CURB SETTER <i>LABORERS - ZONE 2</i>	12/01/2012	\$30.35	\$7.10	\$11.55	\$0.00	\$49.00
	06/01/2013	\$30.85	\$7.10	\$11.55	\$0.00	\$49.50
	12/01/2013	\$31.35	\$7.10	\$11.55	\$0.00	\$50.00
	06/01/2014	\$31.85	\$7.10	\$11.55	\$0.00	\$50.50
	12/01/2014	\$32.35	\$7.10	\$11.55	\$0.00	\$51.00
	06/01/2015	\$32.85	\$7.10	\$11.55	\$0.00	\$51.50
	12/01/2015	\$33.35	\$7.10	\$11.55	\$0.00	\$52.00
	06/01/2016	\$33.85	\$7.10	\$11.55	\$0.00	\$52.50
For apprentice rates see "Apprentice- LABORER"						
BOILER MAKER <i>BOILERMAKERS LOCAL 29</i>	01/01/2010	\$37.70	\$6.97	\$11.18	\$0.00	\$55.85

Apprentice - BOILERMAKER - Local 29

Effective Date - 01/01/2010

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	65	\$24.51	\$6.97	\$11.18	\$0.00	\$42.66
2	65	\$24.51	\$6.97	\$11.18	\$0.00	\$42.66
3	70	\$26.39	\$6.97	\$11.18	\$0.00	\$44.54
4	75	\$28.28	\$6.97	\$11.18	\$0.00	\$46.43
5	80	\$30.16	\$6.97	\$11.18	\$0.00	\$48.31
6	85	\$32.05	\$6.97	\$11.18	\$0.00	\$50.20
7	90	\$33.93	\$6.97	\$11.18	\$0.00	\$52.08
8	95	\$35.82	\$6.97	\$11.18	\$0.00	\$53.97

Notes:

Apprentice to Journeyworker Ratio:1:5

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING) <i>BRICKLAYERS LOCAL 3 (LOWELL)</i>	03/01/2013	\$45.31	\$10.18	\$17.23	\$0.00	\$72.72
	09/01/2013	\$46.21	\$10.18	\$17.30	\$0.00	\$73.69
	03/01/2014	\$46.77	\$10.18	\$17.30	\$0.00	\$74.25
	09/01/2014	\$47.67	\$10.18	\$17.37	\$0.00	\$75.22
	03/01/2015	\$48.23	\$10.18	\$17.37	\$0.00	\$75.78
	09/01/2015	\$49.13	\$10.18	\$17.44	\$0.00	\$76.75
	03/01/2016	\$49.70	\$10.18	\$17.44	\$0.00	\$77.32
	09/01/2016	\$50.60	\$10.18	\$17.52	\$0.00	\$78.30
	03/01/2017	\$51.17	\$10.18	\$17.52	\$0.00	\$78.87

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

Effective Date - 03/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$22.66	\$10.18	\$17.23	\$0.00	\$50.07
2	60	\$27.19	\$10.18	\$17.23	\$0.00	\$54.60
3	70	\$31.72	\$10.18	\$17.23	\$0.00	\$59.13
4	80	\$36.25	\$10.18	\$17.23	\$0.00	\$63.66
5	90	\$40.78	\$10.18	\$17.23	\$0.00	\$68.19

Effective Date - 09/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.11	\$10.18	\$17.30	\$0.00	\$50.59
2	60	\$27.73	\$10.18	\$17.30	\$0.00	\$55.21
3	70	\$32.35	\$10.18	\$17.30	\$0.00	\$59.83
4	80	\$36.97	\$10.18	\$17.30	\$0.00	\$64.45
5	90	\$41.59	\$10.18	\$17.30	\$0.00	\$69.07

Notes:

Apprentice to Journeyworker Ratio:1:5

BULLDOZER/GRADER/SCRAPER <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$39.72	\$10.00	\$13.02	\$0.00	\$62.74
	06/01/2013	\$40.49	\$10.00	\$13.02	\$0.00	\$63.51
	12/01/2013	\$41.27	\$10.00	\$13.02	\$0.00	\$64.29

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

CAISSON & UNDERPINNING BOTTOM MAN <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2012	\$33.45	\$7.10	\$12.60	\$0.00	\$53.15
	06/01/2013	\$34.20	\$7.10	\$12.60	\$0.00	\$53.90
	12/01/2013	\$34.95	\$7.10	\$12.60	\$0.00	\$54.65
	06/01/2014	\$35.70	\$7.10	\$12.60	\$0.00	\$55.40
	12/01/2014	\$36.45	\$7.10	\$12.60	\$0.00	\$56.15
	06/01/2015	\$37.20	\$7.10	\$12.60	\$0.00	\$56.90
	12/01/2015	\$37.95	\$7.10	\$12.60	\$0.00	\$57.65
	06/01/2016	\$38.70	\$7.10	\$12.60	\$0.00	\$58.40
	12/01/2016	\$39.70	\$7.10	\$12.60	\$0.00	\$59.40

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
CAISSON & UNDERPINNING LABORER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2012	\$32.30	\$7.10	\$12.60	\$0.00	\$52.00
	06/01/2013	\$33.05	\$7.10	\$12.60	\$0.00	\$52.75
	12/01/2013	\$33.80	\$7.10	\$12.60	\$0.00	\$53.50
	06/01/2014	\$34.55	\$7.10	\$12.60	\$0.00	\$54.25
	12/01/2014	\$35.30	\$7.10	\$12.60	\$0.00	\$55.00
	06/01/2015	\$36.05	\$7.10	\$12.60	\$0.00	\$55.75
	12/01/2015	\$36.80	\$7.10	\$12.60	\$0.00	\$56.50
	06/01/2016	\$37.55	\$7.10	\$12.60	\$0.00	\$57.25
	12/01/2016	\$38.55	\$7.10	\$12.60	\$0.00	\$58.25
For apprentice rates see "Apprentice- LABORER"						
CAISSON & UNDERPINNING TOP MAN <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2012	\$32.30	\$7.10	\$12.60	\$0.00	\$52.00
	06/01/2013	\$33.05	\$7.10	\$12.60	\$0.00	\$52.75
	12/01/2013	\$33.80	\$7.10	\$12.60	\$0.00	\$53.50
	06/01/2014	\$34.55	\$7.10	\$12.60	\$0.00	\$54.25
	12/01/2014	\$35.30	\$7.10	\$12.60	\$0.00	\$55.00
	06/01/2015	\$36.05	\$7.10	\$12.60	\$0.00	\$55.75
	12/01/2015	\$36.80	\$7.10	\$12.60	\$0.00	\$56.50
	06/01/2016	\$37.55	\$7.10	\$12.60	\$0.00	\$57.25
	12/01/2016	\$38.55	\$7.10	\$12.60	\$0.00	\$58.25
For apprentice rates see "Apprentice- LABORER"						
CARBIDE CORE DRILL OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2012	\$29.85	\$7.10	\$11.55	\$0.00	\$48.50
	06/01/2013	\$30.35	\$7.10	\$11.55	\$0.00	\$49.00
	12/01/2013	\$30.85	\$7.10	\$11.55	\$0.00	\$49.50
	06/01/2014	\$31.35	\$7.10	\$11.55	\$0.00	\$50.00
	12/01/2014	\$31.85	\$7.10	\$11.55	\$0.00	\$50.50
	06/01/2015	\$32.35	\$7.10	\$11.55	\$0.00	\$51.00
	12/01/2015	\$32.85	\$7.10	\$11.55	\$0.00	\$51.50
	06/01/2016	\$33.35	\$7.10	\$11.55	\$0.00	\$52.00
	12/01/2016	\$34.10	\$7.10	\$11.55	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
CARPENTER <i>CARPENTERS -ZONE 2 (Eastern Massachusetts)</i>	03/01/2013	\$33.92	\$9.80	\$15.61	\$0.00	\$59.33
	09/01/2013	\$34.53	\$9.80	\$15.61	\$0.00	\$59.94
	03/01/2014	\$35.13	\$9.80	\$15.61	\$0.00	\$60.54
	09/01/2014	\$35.90	\$9.80	\$15.61	\$0.00	\$61.31
	03/01/2015	\$36.67	\$9.80	\$15.61	\$0.00	\$62.08

Apprentice - CARPENTER - Zone 2 Eastern MA

Effective Date - 03/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$16.96	\$9.80	\$1.57	\$0.00	\$28.33
2	60	\$20.35	\$9.80	\$1.57	\$0.00	\$31.72
3	70	\$23.74	\$9.80	\$10.90	\$0.00	\$44.44
4	75	\$25.44	\$9.80	\$10.90	\$0.00	\$46.14
5	80	\$27.14	\$9.80	\$12.47	\$0.00	\$49.41
6	80	\$27.14	\$9.80	\$12.47	\$0.00	\$49.41
7	90	\$30.53	\$9.80	\$14.04	\$0.00	\$54.37
8	90	\$30.53	\$9.80	\$14.04	\$0.00	\$54.37

Effective Date - 09/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$17.27	\$9.80	\$1.57	\$0.00	\$28.64
2	60	\$20.72	\$9.80	\$1.57	\$0.00	\$32.09
3	70	\$24.17	\$9.80	\$10.90	\$0.00	\$44.87
4	75	\$25.90	\$9.80	\$10.90	\$0.00	\$46.60
5	80	\$27.62	\$9.80	\$12.47	\$0.00	\$49.89
6	80	\$27.62	\$9.80	\$12.47	\$0.00	\$49.89
7	90	\$31.08	\$9.80	\$14.04	\$0.00	\$54.92
8	90	\$31.08	\$9.80	\$14.04	\$0.00	\$54.92

Notes:

Apprentice to Journeyworker Ratio:1:5

CEMENT MASONRY/PLASTERING	03/01/2013	\$38.08	\$10.50	\$18.61	\$1.30	\$68.49
BRICKLAYERS LOCAL 3 (LOWELL)	09/01/2013	\$38.45	\$10.50	\$18.61	\$1.30	\$68.86
	03/01/2014	\$38.67	\$10.50	\$18.61	\$1.30	\$69.08
	09/01/2014	\$39.03	\$10.50	\$18.61	\$1.30	\$69.44
	03/01/2015	\$39.25	\$10.50	\$18.61	\$1.30	\$69.66
	09/01/2015	\$40.16	\$10.50	\$18.61	\$1.30	\$70.57
	03/01/2016	\$39.83	\$10.50	\$18.61	\$1.30	\$70.24
	09/01/2016	\$40.20	\$10.50	\$18.61	\$1.30	\$70.61
	03/01/2017	\$40.42	\$10.50	\$18.61	\$1.30	\$70.83

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - CEMENT MASONRY/PLASTERING - Lowell

Effective Date - 03/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.04	\$10.50	\$12.11	\$1.30	\$42.95
2	60	\$22.85	\$10.50	\$13.61	\$1.30	\$48.26
3	65	\$24.75	\$10.50	\$14.61	\$1.30	\$51.16
4	70	\$26.66	\$10.50	\$15.61	\$1.30	\$54.07
5	75	\$28.56	\$10.50	\$16.61	\$1.30	\$56.97
6	80	\$30.46	\$10.50	\$17.61	\$1.30	\$59.87
7	90	\$34.27	\$10.50	\$18.61	\$1.30	\$64.68

Effective Date - 09/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.23	\$10.50	\$12.11	\$1.30	\$43.14
2	60	\$23.07	\$10.50	\$13.61	\$1.30	\$48.48
3	65	\$24.99	\$10.50	\$14.61	\$1.30	\$51.40
4	70	\$26.92	\$10.50	\$15.61	\$1.30	\$54.33
5	75	\$28.84	\$10.50	\$16.61	\$1.30	\$57.25
6	80	\$30.76	\$10.50	\$17.61	\$1.30	\$60.17
7	90	\$34.61	\$10.50	\$18.61	\$1.30	\$65.02

Notes:

Steps are 6000 hours

Apprentice to Journeyworker Ratio:1:3

CHAIN SAW OPERATOR LABORERS - ZONE 2	12/01/2012	\$29.85	\$7.10	\$11.55	\$0.00	\$48.50
	06/01/2013	\$30.35	\$7.10	\$11.55	\$0.00	\$49.00
	12/01/2013	\$30.85	\$7.10	\$11.55	\$0.00	\$49.50
	06/01/2014	\$31.35	\$7.10	\$11.55	\$0.00	\$50.00
	12/01/2014	\$31.85	\$7.10	\$11.55	\$0.00	\$50.50
	06/01/2015	\$32.35	\$7.10	\$11.55	\$0.00	\$51.00
	12/01/2015	\$32.85	\$7.10	\$11.55	\$0.00	\$51.50
	06/01/2016	\$33.35	\$7.10	\$11.55	\$0.00	\$52.00
	12/01/2016	\$34.10	\$7.10	\$11.55	\$0.00	\$52.75

For apprentice rates see "Apprentice- LABORER"

CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES OPERATING ENGINEERS LOCAL 4	12/01/2012	\$41.09	\$10.00	\$13.02	\$0.00	\$64.11
	06/01/2013	\$41.87	\$10.00	\$13.02	\$0.00	\$64.89
	12/01/2013	\$42.65	\$10.00	\$13.02	\$0.00	\$65.67

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

COMPRESSOR OPERATOR OPERATING ENGINEERS LOCAL 4	12/01/2012	\$28.17	\$10.00	\$13.02	\$0.00	\$51.19
	06/01/2013	\$28.72	\$10.00	\$13.02	\$0.00	\$51.74
	12/01/2013	\$29.27	\$10.00	\$13.02	\$0.00	\$52.29

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

DELEADER (BRIDGE) PAINTERS LOCAL 35 - ZONE 2	01/01/2013	\$45.01	\$7.80	\$15.60	\$0.00	\$68.41
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Apprentice - PAINTER Local 35 - BRIDGES/TANKS

Effective Date - 01/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$22.51	\$7.80	\$0.00	\$0.00	\$30.31
2	55	\$24.76	\$7.80	\$3.52	\$0.00	\$36.08
3	60	\$27.01	\$7.80	\$3.84	\$0.00	\$38.65
4	65	\$29.26	\$7.80	\$4.16	\$0.00	\$41.22
5	70	\$31.51	\$7.80	\$13.68	\$0.00	\$52.99
6	75	\$33.76	\$7.80	\$14.00	\$0.00	\$55.56
7	80	\$36.01	\$7.80	\$14.32	\$0.00	\$58.13
8	90	\$40.51	\$7.80	\$14.96	\$0.00	\$63.27

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

DEMO: ADZEMAN LABORERS - ZONE 2	12/01/2011	\$31.80	\$7.10	\$12.45	\$0.00	\$51.35
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For apprentice rates see "Apprentice- LABORER"

DEMO: BACKHOE/LOADER/HAMMER OPERATOR LABORERS - ZONE 2	12/01/2011	\$32.80	\$7.10	\$12.45	\$0.00	\$52.35
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For apprentice rates see "Apprentice- LABORER"

DEMO: BURNERS LABORERS - ZONE 2	12/01/2011	\$32.55	\$7.10	\$12.45	\$0.00	\$52.10
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For apprentice rates see "Apprentice- LABORER"

DEMO: CONCRETE CUTTER/SAWYER LABORERS - ZONE 2	12/01/2011	\$32.80	\$7.10	\$12.45	\$0.00	\$52.35
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For apprentice rates see "Apprentice- LABORER"

DEMO: JACKHAMMER OPERATOR LABORERS - ZONE 2	12/01/2011	\$32.55	\$7.10	\$12.45	\$0.00	\$52.10
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For apprentice rates see "Apprentice- LABORER"

DEMO: WRECKING LABORER LABORERS - ZONE 2	12/01/2011	\$31.80	\$7.10	\$12.45	\$0.00	\$51.35
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For apprentice rates see "Apprentice- LABORER"

DIRECTIONAL DRILL MACHINE OPERATOR OPERATING ENGINEERS LOCAL 4	12/01/2012	\$39.72	\$10.00	\$13.02	\$0.00	\$62.74
	06/01/2013	\$40.49	\$10.00	\$13.02	\$0.00	\$63.51
	12/01/2013	\$41.27	\$10.00	\$13.02	\$0.00	\$64.29

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

DIVER PILE DRIVER LOCAL 56 (ZONE 1)	08/01/2012	\$54.88	\$9.80	\$17.67	\$0.00	\$82.35
	08/01/2013	\$56.98	\$9.80	\$17.67	\$0.00	\$84.45
	08/01/2014	\$59.08	\$9.80	\$17.67	\$0.00	\$86.55
	08/01/2015	\$61.18	\$9.80	\$17.67	\$0.00	\$88.65

DIVER TENDER PILE DRIVER LOCAL 56 (ZONE 1)	08/01/2012	\$54.88	\$9.80	\$17.67	\$0.00	\$82.35
	08/01/2013	\$56.98	\$9.80	\$17.67	\$0.00	\$84.45
	08/01/2014	\$59.08	\$9.80	\$17.67	\$0.00	\$86.55
	08/01/2015	\$61.18	\$9.80	\$17.67	\$0.00	\$88.65

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
DIVER TENDER (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2012	\$58.80	\$9.80	\$17.67	\$0.00	\$86.27
	08/01/2013	\$61.05	\$9.80	\$17.67	\$0.00	\$88.52
	08/01/2014	\$63.30	\$9.80	\$17.67	\$0.00	\$90.77
	08/01/2015	\$65.55	\$9.80	\$17.67	\$0.00	\$93.02
DIVER/SLURRY (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2012	\$82.32	\$9.80	\$17.67	\$0.00	\$109.79
	08/01/2013	\$85.47	\$9.80	\$17.67	\$0.00	\$112.94
	08/01/2014	\$88.62	\$9.80	\$17.67	\$0.00	\$116.09
	08/01/2015	\$91.77	\$9.80	\$17.67	\$0.00	\$119.24
DRAWBRIDGE OPERATOR (Construction) <i>ELECTRICIANS LOCAL 103</i>	03/01/2013	\$43.52	\$13.00	\$14.16	\$0.00	\$70.68
	09/01/2013	\$44.20	\$13.00	\$14.18	\$0.00	\$71.38
	03/01/2014	\$44.92	\$13.00	\$14.20	\$0.00	\$72.12
	09/01/2014	\$45.60	\$13.00	\$14.22	\$0.00	\$72.82
	03/01/2015	\$46.32	\$13.00	\$14.24	\$0.00	\$73.56
	09/01/2015	\$47.27	\$13.00	\$14.27	\$0.00	\$74.54
	03/01/2016	\$48.23	\$13.00	\$14.30	\$0.00	\$75.53
For apprentice rates see "Apprentice- ELECTRICIAN"						
ELECTRICIAN <i>ELECTRICIANS LOCAL 103</i>	03/01/2013	\$43.52	\$13.00	\$14.16	\$0.00	\$70.68
	09/01/2013	\$44.20	\$13.00	\$14.18	\$0.00	\$71.38
	03/01/2014	\$44.92	\$13.00	\$14.20	\$0.00	\$72.12
	09/01/2014	\$45.60	\$13.00	\$14.22	\$0.00	\$72.82
	03/01/2015	\$46.32	\$13.00	\$14.24	\$0.00	\$73.56
	09/01/2015	\$47.27	\$13.00	\$14.27	\$0.00	\$74.54
	03/01/2016	\$48.23	\$13.00	\$14.30	\$0.00	\$75.53

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - ELECTRICIAN - Local 103

Effective Date - 03/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$17.41	\$13.00	\$0.52	\$0.00	\$30.93
2	40	\$17.41	\$13.00	\$0.52	\$0.00	\$30.93
3	45	\$19.58	\$13.00	\$10.53	\$0.00	\$43.11
4	45	\$19.58	\$13.00	\$10.53	\$0.00	\$43.11
5	50	\$21.76	\$13.00	\$10.85	\$0.00	\$45.61
6	55	\$23.94	\$13.00	\$11.19	\$0.00	\$48.13
7	60	\$26.11	\$13.00	\$11.51	\$0.00	\$50.62
8	65	\$28.29	\$13.00	\$11.85	\$0.00	\$53.14
9	70	\$30.46	\$13.00	\$12.17	\$0.00	\$55.63
10	75	\$32.64	\$13.00	\$12.51	\$0.00	\$58.15

Effective Date - 09/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$17.68	\$13.00	\$0.53	\$0.00	\$31.21
2	40	\$17.68	\$13.00	\$0.53	\$0.00	\$31.21
3	45	\$19.89	\$13.00	\$10.54	\$0.00	\$43.43
4	45	\$19.89	\$13.00	\$10.54	\$0.00	\$43.43
5	50	\$22.10	\$13.00	\$10.86	\$0.00	\$45.96
6	55	\$24.31	\$13.00	\$11.20	\$0.00	\$48.51
7	60	\$26.52	\$13.00	\$11.53	\$0.00	\$51.05
8	65	\$28.73	\$13.00	\$11.86	\$0.00	\$53.59
9	70	\$30.94	\$13.00	\$12.19	\$0.00	\$56.13
10	75	\$33.15	\$13.00	\$12.53	\$0.00	\$58.68

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

Apprentice to Journeyworker Ratio:2:3***

ELEVATOR CONSTRUCTOR ELEVATOR CONSTRUCTORS LOCAL 4	01/01/2012	\$52.45	\$8.78	\$6.96	\$0.00	\$68.19
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Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - ELEVATOR CONSTRUCTOR - Local 4

Effective Date - 01/01/2012

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$26.23	\$8.78	\$0.00	\$0.00	\$35.01
2	55	\$28.85	\$8.78	\$6.96	\$0.00	\$44.59
3	65	\$34.09	\$8.78	\$6.96	\$0.00	\$49.83
4	70	\$36.72	\$8.78	\$6.96	\$0.00	\$52.46
5	80	\$41.96	\$8.78	\$6.96	\$0.00	\$57.70

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>	01/01/2012	\$38.59	\$8.78	\$6.96	\$0.00	\$54.33
FENCE & GUARD RAIL ERECTOR <i>LABORERS - ZONE 2</i>	12/01/2012	\$29.85	\$7.10	\$11.55	\$0.00	\$48.50
	06/01/2013	\$30.35	\$7.10	\$11.55	\$0.00	\$49.00
	12/01/2013	\$30.85	\$7.10	\$11.55	\$0.00	\$49.50
	06/01/2014	\$31.35	\$7.10	\$11.55	\$0.00	\$50.00
	12/01/2014	\$31.85	\$7.10	\$11.55	\$0.00	\$50.50
	06/01/2015	\$32.35	\$7.10	\$11.55	\$0.00	\$51.00
	12/01/2015	\$32.85	\$7.10	\$11.55	\$0.00	\$51.50
	06/01/2016	\$33.35	\$7.10	\$11.55	\$0.00	\$52.00
	12/01/2016	\$34.10	\$7.10	\$11.55	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
FIELD ENG.INST.PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	11/01/2012	\$38.26	\$10.00	\$12.65	\$0.00	\$60.91
	05/01/2013	\$38.87	\$10.00	\$12.65	\$0.00	\$61.52
	11/01/2013	\$39.63	\$10.00	\$12.65	\$0.00	\$62.28
	05/01/2014	\$40.40	\$10.00	\$12.65	\$0.00	\$63.05
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FIELD ENG.PARTY CHIEF-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	11/01/2012	\$39.66	\$10.00	\$12.65	\$0.00	\$62.31
	05/01/2013	\$40.28	\$10.00	\$12.65	\$0.00	\$62.93
	11/01/2013	\$41.05	\$10.00	\$12.65	\$0.00	\$63.70
	05/01/2014	\$41.82	\$10.00	\$12.65	\$0.00	\$64.47
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FIELD ENG.ROD PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	11/01/2012	\$21.18	\$10.00	\$12.65	\$0.00	\$43.83
	05/01/2013	\$21.54	\$10.00	\$12.65	\$0.00	\$44.19
	11/01/2013	\$22.00	\$10.00	\$12.65	\$0.00	\$44.65
	05/01/2014	\$22.45	\$10.00	\$12.65	\$0.00	\$45.10
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>	03/01/2013	\$43.52	\$13.00	\$14.16	\$0.00	\$70.68
	09/01/2013	\$44.20	\$13.00	\$14.18	\$0.00	\$71.38
	03/01/2014	\$44.92	\$13.00	\$14.20	\$0.00	\$72.12
	09/01/2014	\$45.60	\$13.00	\$14.22	\$0.00	\$72.82
	03/01/2015	\$46.32	\$13.00	\$14.24	\$0.00	\$73.56
	09/01/2015	\$47.27	\$13.00	\$14.27	\$0.00	\$74.54
	03/01/2016	\$48.23	\$13.00	\$14.30	\$0.00	\$75.53
For apprentice rates see "Apprentice- ELECTRICIAN"						
FIRE ALARM REPAIR / MAINTENANCE / COMMISSIONING <i>ELECTRICIANS</i> <i>LOCAL 103</i>	03/01/2013	\$32.64	\$13.00	\$12.51	\$0.00	\$58.15
	09/01/2013	\$33.15	\$13.00	\$12.52	\$0.00	\$58.67
	03/01/2014	\$33.69	\$13.00	\$12.54	\$0.00	\$59.23
	09/01/2014	\$34.20	\$13.00	\$12.56	\$0.00	\$59.76
	03/01/2015	\$34.74	\$13.00	\$12.57	\$0.00	\$60.31
	09/01/2015	\$35.45	\$13.00	\$12.59	\$0.00	\$61.04
	03/01/2016	\$36.17	\$13.00	\$12.62	\$0.00	\$61.79
For apprentice rates see "Apprentice- TELECOMMUNICATIONS TECHNICIAN"						
FIREMAN (ASST. ENGINEER) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$33.61	\$10.00	\$13.02	\$0.00	\$56.63
	06/01/2013	\$34.26	\$10.00	\$13.02	\$0.00	\$57.28
	12/01/2013	\$34.92	\$10.00	\$13.02	\$0.00	\$57.94
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FLAGGER & SIGNALER <i>LABORERS - ZONE 2</i>	12/01/2012	\$20.50	\$7.10	\$11.55	\$0.00	\$39.15
	06/01/2013	\$20.50	\$7.10	\$11.55	\$0.00	\$39.15
	12/01/2013	\$20.50	\$7.10	\$11.55	\$0.00	\$39.15
	06/01/2014	\$20.50	\$7.10	\$11.55	\$0.00	\$39.15
	12/01/2014	\$20.50	\$7.10	\$11.55	\$0.00	\$39.15
	06/01/2015	\$20.50	\$7.10	\$11.55	\$0.00	\$39.15
	12/01/2015	\$20.50	\$7.10	\$11.55	\$0.00	\$39.15
	06/01/2016	\$20.50	\$7.10	\$11.55	\$0.00	\$39.15
For apprentice rates see "Apprentice- LABORER"						
FLOORCOVERER <i>FLOORCOVERERS LOCAL 2168 ZONE 1</i>	03/01/2013	\$38.61	\$9.80	\$16.71	\$0.00	\$65.12
	09/01/2013	\$38.61	\$9.80	\$16.71	\$0.00	\$65.12
	03/01/2014	\$38.61	\$9.80	\$16.71	\$0.00	\$65.12

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - FLOORCOVERER - Local 2168 Zone I

Effective Date - 03/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.31	\$9.80	\$1.79	\$0.00	\$30.90
2	55	\$21.24	\$9.80	\$1.79	\$0.00	\$32.83
3	60	\$23.17	\$9.80	\$11.34	\$0.00	\$44.31
4	65	\$25.10	\$9.80	\$11.34	\$0.00	\$46.24
5	70	\$27.03	\$9.80	\$13.13	\$0.00	\$49.96
6	75	\$28.96	\$9.80	\$13.13	\$0.00	\$51.89
7	80	\$30.89	\$9.80	\$14.92	\$0.00	\$55.61
8	85	\$32.82	\$9.80	\$14.92	\$0.00	\$57.54

Effective Date - 09/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.31	\$9.80	\$1.79	\$0.00	\$30.90
2	55	\$21.24	\$9.80	\$1.79	\$0.00	\$32.83
3	60	\$23.17	\$9.80	\$11.34	\$0.00	\$44.31
4	65	\$25.10	\$9.80	\$11.34	\$0.00	\$46.24
5	70	\$27.03	\$9.80	\$13.13	\$0.00	\$49.96
6	75	\$28.96	\$9.80	\$13.13	\$0.00	\$51.89
7	80	\$30.89	\$9.80	\$14.92	\$0.00	\$55.61
8	85	\$32.82	\$9.80	\$14.92	\$0.00	\$57.54

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

FORK LIFT/CHERRY PICKER <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$40.09	\$10.00	\$13.02	\$0.00	\$63.11
	06/01/2013	\$40.87	\$10.00	\$13.02	\$0.00	\$63.89
	12/01/2013	\$41.65	\$10.00	\$13.02	\$0.00	\$64.67

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

GENERATOR/LIGHTING PLANT/HEATERS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$28.17	\$10.00	\$13.02	\$0.00	\$51.19
	06/01/2013	\$28.72	\$10.00	\$13.02	\$0.00	\$51.74
	12/01/2013	\$29.27	\$10.00	\$13.02	\$0.00	\$52.29

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS) <i>GLAZIERS LOCAL 35 (ZONE 2)</i>	01/01/2013	\$35.51	\$7.80	\$14.60	\$0.00	\$57.91
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Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - GLAZIER - Local 35 Zone 2

Effective Date - 01/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$17.76	\$7.80	\$0.00	\$0.00	\$25.56
2	55	\$19.53	\$7.80	\$3.25	\$0.00	\$30.58
3	60	\$21.31	\$7.80	\$3.54	\$0.00	\$32.65
4	65	\$23.08	\$7.80	\$3.84	\$0.00	\$34.72
5	70	\$24.86	\$7.80	\$12.83	\$0.00	\$45.49
6	75	\$26.63	\$7.80	\$13.13	\$0.00	\$47.56
7	80	\$28.41	\$7.80	\$13.42	\$0.00	\$49.63
8	90	\$31.96	\$7.80	\$14.01	\$0.00	\$53.77

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

HOISTING ENGINEER/CRANES/GRADALLS	12/01/2012	\$40.09	\$10.00	\$13.02	\$0.00	\$63.11
OPERATING ENGINEERS LOCAL 4	06/01/2013	\$40.87	\$10.00	\$13.02	\$0.00	\$63.89
	12/01/2013	\$41.65	\$10.00	\$13.02	\$0.00	\$64.67

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - OPERATING ENGINEERS - Local 4

Effective Date - 12/01/2012

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$22.05	\$10.00	\$0.00	\$0.00	\$32.05
2	60	\$24.05	\$10.00	\$13.02	\$0.00	\$47.07
3	65	\$26.06	\$10.00	\$13.02	\$0.00	\$49.08
4	70	\$28.06	\$10.00	\$13.02	\$0.00	\$51.08
5	75	\$30.07	\$10.00	\$13.02	\$0.00	\$53.09
6	80	\$32.07	\$10.00	\$13.02	\$0.00	\$55.09
7	85	\$34.08	\$10.00	\$13.02	\$0.00	\$57.10
8	90	\$36.08	\$10.00	\$13.02	\$0.00	\$59.10

Effective Date - 06/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$22.48	\$10.00	\$0.00	\$0.00	\$32.48
2	60	\$24.52	\$10.00	\$13.02	\$0.00	\$47.54
3	65	\$26.57	\$10.00	\$13.02	\$0.00	\$49.59
4	70	\$28.61	\$10.00	\$13.02	\$0.00	\$51.63
5	75	\$30.65	\$10.00	\$13.02	\$0.00	\$53.67
6	80	\$32.70	\$10.00	\$13.02	\$0.00	\$55.72
7	85	\$34.74	\$10.00	\$13.02	\$0.00	\$57.76
8	90	\$36.78	\$10.00	\$13.02	\$0.00	\$59.80

Notes:

Apprentice to Journeyworker Ratio:1:6

HVAC (DUCTWORK) 02/01/2013 \$42.32 \$9.82 \$18.24 \$2.11 \$72.49
 SHEETMETAL WORKERS LOCAL 17 - A

For apprentice rates see "Apprentice- SHEET METAL WORKER"

HVAC (ELECTRICAL CONTROLS) 03/01/2013 \$43.52 \$13.00 \$14.16 \$0.00 \$70.68
 ELECTRICIANS LOCAL 103
 09/01/2013 \$44.20 \$13.00 \$14.18 \$0.00 \$71.38
 03/01/2014 \$44.92 \$13.00 \$14.20 \$0.00 \$72.12
 09/01/2014 \$45.60 \$13.00 \$14.22 \$0.00 \$72.82
 03/01/2015 \$46.32 \$13.00 \$14.24 \$0.00 \$73.56
 09/01/2015 \$47.27 \$13.00 \$14.27 \$0.00 \$74.54
 03/01/2016 \$48.23 \$13.00 \$14.30 \$0.00 \$75.53

For apprentice rates see "Apprentice- ELECTRICIAN"

HVAC (TESTING AND BALANCING - AIR) 02/01/2013 \$42.32 \$9.82 \$18.24 \$2.11 \$72.49
 SHEETMETAL WORKERS LOCAL 17 - A

For apprentice rates see "Apprentice- SHEET METAL WORKER"

HVAC (TESTING AND BALANCING -WATER) 03/01/2013 \$49.34 \$8.75 \$14.39 \$0.00 \$72.48
 PIPEFITTERS LOCAL 537

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

HVAC MECHANIC 03/01/2013 \$49.34 \$8.75 \$14.39 \$0.00 \$72.48
 PIPEFITTERS LOCAL 537

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HYDRAULIC DRILLS LABORERS - ZONE 2	12/01/2012	\$30.35	\$7.10	\$11.55	\$0.00	\$49.00
	06/01/2013	\$30.85	\$7.10	\$11.55	\$0.00	\$49.50
	12/01/2013	\$31.35	\$7.10	\$11.55	\$0.00	\$50.00
	06/01/2014	\$31.85	\$7.10	\$11.55	\$0.00	\$50.50
	12/01/2014	\$32.35	\$7.10	\$11.55	\$0.00	\$51.00
	06/01/2015	\$32.85	\$7.10	\$11.55	\$0.00	\$51.50
	12/01/2015	\$33.35	\$7.10	\$11.55	\$0.00	\$52.00
	06/01/2016	\$33.85	\$7.10	\$11.55	\$0.00	\$52.50
	12/01/2016	\$34.60	\$7.10	\$11.55	\$0.00	\$53.25

For apprentice rates see "Apprentice- LABORER"						
INSULATOR (PIPES & TANKS) ASBESTOS WORKERS LOCAL 6 (BOSTON)	09/01/2012	\$41.46	\$10.65	\$11.50	\$0.00	\$63.61
	09/01/2013	\$43.06	\$10.65	\$11.50	\$0.00	\$65.21
	09/01/2014	\$45.06	\$10.65	\$11.50	\$0.00	\$67.21

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

Effective Date - 09/01/2012						
Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.73	\$10.65	\$8.60	\$0.00	\$39.98
2	60	\$24.88	\$10.65	\$9.18	\$0.00	\$44.71
3	70	\$29.02	\$10.65	\$9.76	\$0.00	\$49.43
4	80	\$33.17	\$10.65	\$10.34	\$0.00	\$54.16

Effective Date - 09/01/2013						
Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.53	\$10.65	\$8.60	\$0.00	\$40.78
2	60	\$25.84	\$10.65	\$9.18	\$0.00	\$45.67
3	70	\$30.14	\$10.65	\$9.76	\$0.00	\$50.55
4	80	\$34.45	\$10.65	\$10.34	\$0.00	\$55.44

Notes:
Steps are 1 year

Apprentice to Journeyworker Ratio:1:4

IRONWORKER/WELDER IRONWORKERS LOCAL 7 (LAWRENCE AREA)	03/16/2013	\$35.82	\$7.70	\$18.35	\$0.00	\$61.87
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Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - IRONWORKER - Local 7 Lawrence

Effective Date - 03/16/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$21.49	\$7.70	\$18.35	\$0.00	\$47.54
2	70	\$25.07	\$7.70	\$18.35	\$0.00	\$51.12
3	75	\$26.87	\$7.70	\$18.35	\$0.00	\$52.92
4	80	\$28.66	\$7.70	\$18.35	\$0.00	\$54.71
5	85	\$30.45	\$7.70	\$18.35	\$0.00	\$56.50
6	90	\$32.24	\$7.70	\$18.35	\$0.00	\$58.29

Notes:
Structural 1:6; Ornamental 1:4

Apprentice to Journeyworker Ratio:

JACKHAMMER & PAVING BREAKER OPERATOR LABORERS - ZONE 2	12/01/2012	\$29.85	\$7.10	\$11.55	\$0.00	\$48.50
	06/01/2013	\$30.35	\$7.10	\$11.55	\$0.00	\$49.00
	12/01/2013	\$30.85	\$7.10	\$11.55	\$0.00	\$49.50
	06/01/2014	\$31.35	\$7.10	\$11.55	\$0.00	\$50.00
	12/01/2014	\$31.85	\$7.10	\$11.55	\$0.00	\$50.50
	06/01/2015	\$32.35	\$7.10	\$11.55	\$0.00	\$51.00
	12/01/2015	\$32.85	\$7.10	\$11.55	\$0.00	\$51.50
	06/01/2016	\$33.35	\$7.10	\$11.55	\$0.00	\$52.00
	12/01/2016	\$34.10	\$7.10	\$11.55	\$0.00	\$52.75

For apprentice rates see "Apprentice- LABORER"

LABORER LABORERS - ZONE 2	12/01/2012	\$29.60	\$7.10	\$11.55	\$0.00	\$48.25
	06/01/2013	\$30.10	\$7.10	\$11.55	\$0.00	\$48.75
	12/01/2013	\$30.60	\$7.10	\$11.55	\$0.00	\$49.25
	06/01/2014	\$31.10	\$7.10	\$11.55	\$0.00	\$49.75
	12/01/2014	\$31.60	\$7.10	\$11.55	\$0.00	\$50.25
	06/01/2015	\$32.10	\$7.10	\$11.55	\$0.00	\$50.75
	12/01/2015	\$32.60	\$7.10	\$11.55	\$0.00	\$51.25
	06/01/2016	\$33.10	\$7.10	\$11.55	\$0.00	\$51.75
	12/01/2016	\$33.85	\$7.10	\$11.55	\$0.00	\$52.50

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - LABORER - Zone 2

Effective Date - 12/01/2012

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$17.76	\$7.10	\$11.55	\$0.00	\$36.41
2	70	\$20.72	\$7.10	\$11.55	\$0.00	\$39.37
3	80	\$23.68	\$7.10	\$11.55	\$0.00	\$42.33
4	90	\$26.64	\$7.10	\$11.55	\$0.00	\$45.29

Effective Date - 06/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$18.06	\$7.10	\$11.55	\$0.00	\$36.71
2	70	\$21.07	\$7.10	\$11.55	\$0.00	\$39.72
3	80	\$24.08	\$7.10	\$11.55	\$0.00	\$42.73
4	90	\$27.09	\$7.10	\$11.55	\$0.00	\$45.74

Notes:

Apprentice to Journeyworker Ratio:1:5

LABORER: CARPENTER TENDER LABORERS - ZONE 2	12/01/2012	\$29.60	\$7.10	\$11.55	\$0.00	\$48.25
	06/01/2013	\$30.10	\$7.10	\$11.55	\$0.00	\$48.75
	12/01/2013	\$30.60	\$7.10	\$11.55	\$0.00	\$49.25
	06/01/2014	\$31.10	\$7.10	\$11.55	\$0.00	\$49.75
	12/01/2014	\$31.60	\$7.10	\$11.55	\$0.00	\$50.25
	06/01/2015	\$32.10	\$7.10	\$11.55	\$0.00	\$50.75
	12/01/2015	\$32.60	\$7.10	\$11.55	\$0.00	\$51.25
	06/01/2016	\$33.10	\$7.10	\$11.55	\$0.00	\$51.75
	12/01/2016	\$33.85	\$7.10	\$11.55	\$0.00	\$52.50

For apprentice rates see "Apprentice- LABORER"

LABORER: CEMENT FINISHER TENDER LABORERS - ZONE 2	12/01/2012	\$29.60	\$7.10	\$11.55	\$0.00	\$48.25
	06/01/2013	\$30.10	\$7.10	\$11.55	\$0.00	\$48.75
	12/01/2013	\$30.60	\$7.10	\$11.55	\$0.00	\$49.25
	06/01/2014	\$31.10	\$7.10	\$11.55	\$0.00	\$49.75
	12/01/2014	\$31.60	\$7.10	\$11.55	\$0.00	\$50.25
	06/01/2015	\$32.10	\$7.10	\$11.55	\$0.00	\$50.75
	12/01/2015	\$32.60	\$7.10	\$11.55	\$0.00	\$51.25
	06/01/2016	\$33.10	\$7.10	\$11.55	\$0.00	\$51.75
	12/01/2016	\$33.85	\$7.10	\$11.55	\$0.00	\$52.50

For apprentice rates see "Apprentice- LABORER"

LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER LABORERS - ZONE 2	12/01/2011	\$29.35	\$7.10	\$11.55	\$0.00	\$48.00
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For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
LABORER: MASON TENDER <i>LABORERS - ZONE 2</i>	12/01/2012	\$29.85	\$7.10	\$11.55	\$0.00	\$48.50
	06/01/2013	\$30.35	\$7.10	\$11.55	\$0.00	\$49.00
	12/01/2013	\$30.85	\$7.10	\$11.55	\$0.00	\$49.50
	06/01/2014	\$31.35	\$7.10	\$11.55	\$0.00	\$50.00
	12/01/2014	\$31.85	\$7.10	\$11.55	\$0.00	\$50.50
	06/01/2015	\$32.35	\$7.10	\$11.55	\$0.00	\$51.00
	12/01/2015	\$32.85	\$7.10	\$11.55	\$0.00	\$51.50
	06/01/2016	\$33.35	\$7.10	\$11.55	\$0.00	\$52.00
	12/01/2016	\$34.10	\$7.10	\$11.55	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
LABORER: MULTI-TRADE TENDER <i>LABORERS - ZONE 2</i>	12/01/2012	\$29.60	\$7.10	\$11.55	\$0.00	\$48.25
	06/01/2013	\$30.10	\$7.10	\$11.55	\$0.00	\$48.75
	12/01/2013	\$30.60	\$7.10	\$11.55	\$0.00	\$49.25
	06/01/2014	\$31.10	\$7.10	\$11.55	\$0.00	\$49.75
	12/01/2014	\$31.60	\$7.10	\$11.55	\$0.00	\$50.25
	06/01/2015	\$32.10	\$7.10	\$11.55	\$0.00	\$50.75
	12/01/2015	\$32.60	\$7.10	\$11.55	\$0.00	\$51.25
	06/01/2016	\$33.10	\$7.10	\$11.55	\$0.00	\$51.75
	12/01/2016	\$33.85	\$7.10	\$11.55	\$0.00	\$52.50
For apprentice rates see "Apprentice- LABORER"						
LABORER: TREE REMOVER <i>LABORERS - ZONE 2</i>	12/01/2012	\$29.60	\$7.10	\$11.55	\$0.00	\$48.25
	06/01/2013	\$30.10	\$7.10	\$11.55	\$0.00	\$48.75
	12/01/2013	\$30.60	\$7.10	\$11.55	\$0.00	\$49.25
	06/01/2014	\$31.10	\$7.10	\$11.55	\$0.00	\$49.75
	12/01/2014	\$31.60	\$7.10	\$11.55	\$0.00	\$50.25
	06/01/2015	\$32.10	\$7.10	\$11.55	\$0.00	\$50.75
	12/01/2015	\$32.60	\$7.10	\$11.55	\$0.00	\$51.25
	06/01/2016	\$33.10	\$7.10	\$11.55	\$0.00	\$51.75
	12/01/2016	\$33.85	\$7.10	\$11.55	\$0.00	\$52.50
This classification applies to the wholesale removal of standing trees including all associated trimming of branches and limbs, and applies to the removal of branches at locations not on or around utility lines. For apprentice rates see "Apprentice- LABORER"						
LASER BEAM OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2012	\$29.85	\$7.10	\$11.55	\$0.00	\$48.50
	06/01/2013	\$30.35	\$7.10	\$11.55	\$0.00	\$49.00
	12/01/2013	\$30.85	\$7.10	\$11.55	\$0.00	\$49.50
	06/01/2014	\$31.35	\$7.10	\$11.55	\$0.00	\$50.00
	12/01/2014	\$31.85	\$7.10	\$11.55	\$0.00	\$50.50
	06/01/2015	\$32.35	\$7.10	\$11.55	\$0.00	\$51.00
	12/01/2015	\$32.85	\$7.10	\$11.55	\$0.00	\$51.50
	06/01/2016	\$33.35	\$7.10	\$11.55	\$0.00	\$52.00
	12/01/2016	\$34.10	\$7.10	\$11.55	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
MARBLE & TILE FINISHERS <i>BRICKLAYERS LOCAL 3 - MARBLE & TILE</i>	02/01/2013	\$36.20	\$10.18	\$16.51	\$0.00	\$62.89
	08/01/2013	\$36.91	\$10.18	\$16.58	\$0.00	\$63.67
	02/01/2014	\$37.36	\$10.18	\$16.58	\$0.00	\$64.12
	08/01/2014	\$38.07	\$10.18	\$16.65	\$0.00	\$64.90
	02/01/2015	\$38.52	\$10.18	\$16.65	\$0.00	\$65.35
	08/01/2015	\$39.23	\$10.18	\$16.72	\$0.00	\$66.13
	02/01/2016	\$39.68	\$10.18	\$16.72	\$0.00	\$66.58
	08/01/2016	\$40.38	\$10.18	\$16.80	\$0.00	\$67.36
	02/01/2017	\$40.84	\$10.18	\$16.80	\$0.00	\$67.82

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

Effective Date - 02/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.10	\$10.18	\$16.51	\$0.00	\$44.79
2	60	\$21.72	\$10.18	\$16.51	\$0.00	\$48.41
3	70	\$25.34	\$10.18	\$16.51	\$0.00	\$52.03
4	80	\$28.96	\$10.18	\$16.51	\$0.00	\$55.65
5	90	\$32.58	\$10.18	\$16.51	\$0.00	\$59.27

Effective Date - 08/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.46	\$10.18	\$16.58	\$0.00	\$45.22
2	60	\$22.15	\$10.18	\$16.58	\$0.00	\$48.91
3	70	\$25.84	\$10.18	\$16.58	\$0.00	\$52.60
4	80	\$29.53	\$10.18	\$16.58	\$0.00	\$56.29
5	90	\$33.22	\$10.18	\$16.58	\$0.00	\$59.98

Notes:

Apprentice to Journeyworker Ratio:1:3

MARBLE MASONS, TILELAYERS & TERRAZZO MECH <i>BRICKLAYERS LOCAL 3 - MARBLE & TILE</i>	02/01/2013	\$47.45	\$10.18	\$17.83	\$0.00	\$75.46
	08/01/2013	\$48.35	\$10.18	\$17.90	\$0.00	\$76.43
	02/01/2014	\$48.91	\$10.18	\$17.90	\$0.00	\$76.99
	08/01/2014	\$49.81	\$10.18	\$17.97	\$0.00	\$77.96
	02/01/2015	\$50.37	\$10.18	\$17.97	\$0.00	\$78.52
	08/01/2015	\$51.27	\$10.18	\$18.04	\$0.00	\$79.49
	02/01/2016	\$51.84	\$10.18	\$18.04	\$0.00	\$80.06
	08/01/2016	\$52.74	\$10.18	\$18.12	\$0.00	\$81.04
	02/01/2017	\$53.31	\$10.18	\$18.12	\$0.00	\$81.61

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

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

Effective Date - 02/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.73	\$10.18	\$17.83	\$0.00	\$51.74
2	60	\$28.47	\$10.18	\$17.83	\$0.00	\$56.48
3	70	\$33.22	\$10.18	\$17.83	\$0.00	\$61.23
4	80	\$37.96	\$10.18	\$17.83	\$0.00	\$65.97
5	90	\$42.71	\$10.18	\$17.83	\$0.00	\$70.72

Effective Date - 08/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.18	\$10.18	\$17.90	\$0.00	\$52.26
2	60	\$29.01	\$10.18	\$17.90	\$0.00	\$57.09
3	70	\$33.85	\$10.18	\$17.90	\$0.00	\$61.93
4	80	\$38.68	\$10.18	\$17.90	\$0.00	\$66.76
5	90	\$43.52	\$10.18	\$17.90	\$0.00	\$71.60

Notes:

Apprentice to Journeyworker Ratio:1:5

MECH. SWEEPER OPERATOR (ON CONST. SITES) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$39.72	\$10.00	\$13.02	\$0.00	\$62.74
	06/01/2013	\$40.49	\$10.00	\$13.02	\$0.00	\$63.51
	12/01/2013	\$41.27	\$10.00	\$13.02	\$0.00	\$64.29

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

MECHANICS MAINTENANCE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$39.72	\$10.00	\$13.02	\$0.00	\$62.74
	06/01/2013	\$40.49	\$10.00	\$13.02	\$0.00	\$63.51
	12/01/2013	\$41.27	\$10.00	\$13.02	\$0.00	\$64.29

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

MILLWRIGHT (Zone 2) <i>MILLWRIGHTS LOCAL 1121 - Zone 2</i>	04/01/2011	\$31.71	\$8.67	\$15.61	\$0.00	\$55.99
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Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - MILLWRIGHT - Local 1121 Zone 2

Effective Date - 04/01/2011

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$15.86	\$8.67	\$11.64	\$0.00	\$36.17
2	55	\$17.44	\$8.67	\$11.64	\$0.00	\$37.75
3	60	\$19.03	\$8.67	\$13.23	\$0.00	\$40.93
4	65	\$20.61	\$8.67	\$13.23	\$0.00	\$42.51
5	70	\$22.20	\$8.67	\$14.02	\$0.00	\$44.89
6	75	\$23.78	\$8.67	\$14.02	\$0.00	\$46.47
7	80	\$25.37	\$8.67	\$14.82	\$0.00	\$48.86
8	85	\$26.95	\$8.67	\$14.82	\$0.00	\$50.44

Notes:

Apprentice to Journeyworker Ratio:1:5

MORTAR MIXER	12/01/2012	\$29.85	\$7.10	\$11.55	\$0.00	\$48.50
<i>LABORERS - ZONE 2</i>	06/01/2013	\$30.35	\$7.10	\$11.55	\$0.00	\$49.00
	12/01/2013	\$30.85	\$7.10	\$11.55	\$0.00	\$49.50
	06/01/2014	\$31.35	\$7.10	\$11.55	\$0.00	\$50.00
	12/01/2014	\$31.85	\$7.10	\$11.55	\$0.00	\$50.50
	06/01/2015	\$32.35	\$7.10	\$11.55	\$0.00	\$51.00
	12/01/2015	\$32.85	\$7.10	\$11.55	\$0.00	\$51.50
	06/01/2016	\$33.35	\$7.10	\$11.55	\$0.00	\$52.00
	12/01/2016	\$34.10	\$7.10	\$11.55	\$0.00	\$52.75

For apprentice rates see "Apprentice- LABORER"

OILER (OTHER THAN TRUCK CRANES,GRADALLS)	12/01/2012	\$21.28	\$10.00	\$13.02	\$0.00	\$44.30
<i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2013	\$21.70	\$10.00	\$13.02	\$0.00	\$44.72
	12/01/2013	\$22.12	\$10.00	\$13.02	\$0.00	\$45.14

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

OILER (TRUCK CRANES, GRADALLS)	12/01/2012	\$24.62	\$10.00	\$13.02	\$0.00	\$47.64
<i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2013	\$25.10	\$10.00	\$13.02	\$0.00	\$48.12
	12/01/2013	\$25.59	\$10.00	\$13.02	\$0.00	\$48.61

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

OTHER POWER DRIVEN EQUIPMENT - CLASS II	12/01/2012	\$39.72	\$10.00	\$13.02	\$0.00	\$62.74
<i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2013	\$40.49	\$10.00	\$13.02	\$0.00	\$63.51
	12/01/2013	\$41.27	\$10.00	\$13.02	\$0.00	\$64.29

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

PAINTER (BRIDGES/TANKS)	01/01/2013	\$45.01	\$7.80	\$15.60	\$0.00	\$68.41
<i>PAINTERS LOCAL 35 - ZONE 2</i>						

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

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

Effective Date - 01/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$16.99	\$7.80	\$0.00	\$0.00	\$24.79
2	55	\$18.68	\$7.80	\$3.52	\$0.00	\$30.00
3	60	\$20.38	\$7.80	\$3.84	\$0.00	\$32.02
4	65	\$22.08	\$7.80	\$4.16	\$0.00	\$34.04
5	70	\$23.78	\$7.80	\$13.68	\$0.00	\$45.26
6	75	\$25.48	\$7.80	\$14.00	\$0.00	\$47.28
7	80	\$27.18	\$7.80	\$14.32	\$0.00	\$49.30
8	90	\$30.57	\$7.80	\$14.96	\$0.00	\$53.33

Notes:

Apprentice to Journeyworker Ratio:1:1

PAINTER (TRAFFIC MARKINGS) LABORERS - ZONE 2	12/01/2012	\$29.60	\$7.10	\$11.55	\$0.00	\$48.25
	06/01/2013	\$30.10	\$7.10	\$11.55	\$0.00	\$48.75
	12/01/2013	\$30.60	\$7.10	\$11.55	\$0.00	\$49.25
	06/01/2014	\$31.10	\$7.10	\$11.55	\$0.00	\$49.75
	12/01/2014	\$31.60	\$7.10	\$11.55	\$0.00	\$50.25
	06/01/2015	\$32.10	\$7.10	\$11.55	\$0.00	\$50.75
	12/01/2015	\$32.60	\$7.10	\$11.55	\$0.00	\$51.25
	06/01/2016	\$33.10	\$7.10	\$11.55	\$0.00	\$51.75
	12/01/2016	\$33.85	\$7.10	\$11.55	\$0.00	\$52.50

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	01/01/2013	\$34.51	\$7.80	\$15.60	\$0.00	\$57.91
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Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER - Local 35 Zone 2 - BRUSH NEW

Effective Date - 01/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$17.26	\$7.80	\$0.00	\$0.00	\$25.06
2	55	\$18.98	\$7.80	\$3.52	\$0.00	\$30.30
3	60	\$20.71	\$7.80	\$3.84	\$0.00	\$32.35
4	65	\$22.43	\$7.80	\$4.16	\$0.00	\$34.39
5	70	\$24.16	\$7.80	\$13.68	\$0.00	\$45.64
6	75	\$25.88	\$7.80	\$14.00	\$0.00	\$47.68
7	80	\$27.61	\$7.80	\$14.32	\$0.00	\$49.73
8	90	\$31.06	\$7.80	\$14.96	\$0.00	\$53.82

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER / TAPER (BRUSH, REPAINT) PAINTERS LOCAL 35 - ZONE 2	01/01/2013	\$32.57	\$7.80	\$15.60	\$0.00	\$55.97
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Apprentice - PAINTER Local 35 Zone 2 - BRUSH REPAINT

Effective Date - 01/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$16.29	\$7.80	\$0.00	\$0.00	\$24.09
2	55	\$17.91	\$7.80	\$3.52	\$0.00	\$29.23
3	60	\$19.54	\$7.80	\$3.84	\$0.00	\$31.18
4	65	\$21.17	\$7.80	\$4.16	\$0.00	\$33.13
5	70	\$22.80	\$7.80	\$13.68	\$0.00	\$44.28
6	75	\$24.43	\$7.80	\$14.00	\$0.00	\$46.23
7	80	\$26.06	\$7.80	\$14.32	\$0.00	\$48.18
8	90	\$29.31	\$7.80	\$14.96	\$0.00	\$52.07

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PANEL & PICKUP TRUCKS DRIVER TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	12/01/2012	\$30.28	\$9.07	\$8.00	\$0.00	\$47.35
PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK) PILE DRIVER LOCAL 56 (ZONE 1)	08/01/2012	\$39.20	\$9.80	\$17.67	\$0.00	\$66.67
	08/01/2013	\$40.70	\$9.80	\$17.67	\$0.00	\$68.17
	08/01/2014	\$42.20	\$9.80	\$17.67	\$0.00	\$69.67
	08/01/2015	\$43.70	\$9.80	\$17.67	\$0.00	\$71.17

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
PILE DRIVER <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2012	\$39.20	\$9.80	\$17.67	\$0.00	\$66.67
	08/01/2013	\$40.70	\$9.80	\$17.67	\$0.00	\$68.17
	08/01/2014	\$42.20	\$9.80	\$17.67	\$0.00	\$69.67
	08/01/2015	\$43.70	\$9.80	\$17.67	\$0.00	\$71.17

Apprentice - PILE DRIVER - Local 56 Zone 1

Effective Date - 08/01/2012

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.60	\$9.80	\$17.67	\$0.00	\$47.07
2	60	\$23.52	\$9.80	\$17.67	\$0.00	\$50.99
3	70	\$27.44	\$9.80	\$17.67	\$0.00	\$54.91
4	75	\$29.40	\$9.80	\$17.67	\$0.00	\$56.87
5	80	\$31.36	\$9.80	\$17.67	\$0.00	\$58.83
6	80	\$31.36	\$9.80	\$17.67	\$0.00	\$58.83
7	90	\$35.28	\$9.80	\$17.67	\$0.00	\$62.75
8	90	\$35.28	\$9.80	\$17.67	\$0.00	\$62.75

Effective Date - 08/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.35	\$9.80	\$17.67	\$0.00	\$47.82
2	60	\$24.42	\$9.80	\$17.67	\$0.00	\$51.89
3	70	\$28.49	\$9.80	\$17.67	\$0.00	\$55.96
4	75	\$30.53	\$9.80	\$17.67	\$0.00	\$58.00
5	80	\$32.56	\$9.80	\$17.67	\$0.00	\$60.03
6	80	\$32.56	\$9.80	\$17.67	\$0.00	\$60.03
7	90	\$36.63	\$9.80	\$17.67	\$0.00	\$64.10
8	90	\$36.63	\$9.80	\$17.67	\$0.00	\$64.10

Notes:

Apprentice to Journeyworker Ratio:1:3

PIPEFITTER & STEAMFITTER <i>PIPEFITTERS LOCAL 537</i>	03/01/2013	\$49.34	\$8.75	\$14.39	\$0.00	\$72.48
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Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PIPEFITTER - Local 537

Effective Date - 03/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$19.74	\$8.75	\$6.50	\$0.00	\$34.99
2	45	\$22.20	\$8.75	\$14.39	\$0.00	\$45.34
3	60	\$29.60	\$8.75	\$14.39	\$0.00	\$52.74
4	70	\$34.54	\$8.75	\$14.39	\$0.00	\$57.68
5	80	\$39.47	\$8.75	\$14.39	\$0.00	\$62.61

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

Apprentice to Journeyworker Ratio:**

PIPELAYER LABORERS - ZONE 2	12/01/2012	\$29.85	\$7.10	\$11.55	\$0.00	\$48.50
	06/01/2013	\$30.35	\$7.10	\$11.55	\$0.00	\$49.00
	12/01/2013	\$30.85	\$7.10	\$11.55	\$0.00	\$49.50
	06/01/2014	\$31.35	\$7.10	\$11.55	\$0.00	\$50.00
	12/01/2014	\$31.85	\$7.10	\$11.55	\$0.00	\$50.50
	06/01/2015	\$32.35	\$7.10	\$11.55	\$0.00	\$51.00
	12/01/2015	\$32.85	\$7.10	\$11.55	\$0.00	\$51.50
	06/01/2016	\$33.35	\$7.10	\$11.55	\$0.00	\$52.00
	12/01/2016	\$34.10	\$7.10	\$11.55	\$0.00	\$52.75

For apprentice rates see "Apprentice- LABORER"

PLUMBERS & GASFITTERS PLUMBERS & GASFITTERS LOCAL 12	03/01/2013	\$49.31	\$9.32	\$13.29	\$0.00	\$71.92
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Apprentice - PLUMBER/GASFITTER - Local 12

Effective Date - 03/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$17.26	\$9.32	\$4.97	\$0.00	\$31.55
2	40	\$19.72	\$9.32	\$5.61	\$0.00	\$34.65
3	55	\$27.12	\$9.32	\$7.53	\$0.00	\$43.97
4	65	\$32.05	\$9.32	\$8.81	\$0.00	\$50.18
5	75	\$36.98	\$9.32	\$10.09	\$0.00	\$56.39

Notes:
 ** 1:2; 2:6; 3:10; 4:14; 5:19/Steps are 1 yr
 Step4 with lic\$53.29 Step5 with lic\$59.49

Apprentice to Journeyworker Ratio:**

PNEUMATIC CONTROLS (TEMP.) PIPEFITTERS LOCAL 537	03/01/2013	\$49.34	\$8.75	\$14.39	\$0.00	\$72.48
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For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
PNEUMATIC DRILL/TOOL OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2012	\$29.85	\$7.10	\$11.55	\$0.00	\$48.50
	06/01/2013	\$30.35	\$7.10	\$11.55	\$0.00	\$49.00
	12/01/2013	\$30.85	\$7.10	\$11.55	\$0.00	\$49.50
	06/01/2014	\$31.35	\$7.10	\$11.55	\$0.00	\$50.00
	12/01/2014	\$31.85	\$7.10	\$11.55	\$0.00	\$50.50
	06/01/2015	\$32.35	\$7.10	\$11.55	\$0.00	\$51.00
	12/01/2015	\$32.85	\$7.10	\$11.55	\$0.00	\$51.50
	06/01/2016	\$33.35	\$7.10	\$11.55	\$0.00	\$52.00
	12/01/2016	\$34.10	\$7.10	\$11.55	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
POWDERMAN & BLASTER <i>LABORERS - ZONE 2</i>	12/01/2012	\$30.60	\$7.10	\$11.55	\$0.00	\$49.25
	06/01/2013	\$31.10	\$7.10	\$11.55	\$0.00	\$49.75
	12/01/2013	\$31.60	\$7.10	\$11.55	\$0.00	\$50.25
	06/01/2014	\$32.10	\$7.10	\$11.55	\$0.00	\$50.75
	12/01/2014	\$32.60	\$7.10	\$11.55	\$0.00	\$51.25
	06/01/2015	\$33.10	\$7.10	\$11.55	\$0.00	\$51.75
	12/01/2015	\$33.60	\$7.10	\$11.55	\$0.00	\$52.25
	06/01/2016	\$34.10	\$7.10	\$11.55	\$0.00	\$52.75
	12/01/2016	\$34.85	\$7.10	\$11.55	\$0.00	\$53.50
For apprentice rates see "Apprentice- LABORER"						
POWER SHOVEL/DERRICK/TRENCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$40.09	\$10.00	\$13.02	\$0.00	\$63.11
	06/01/2013	\$40.87	\$10.00	\$13.02	\$0.00	\$63.89
	12/01/2013	\$41.65	\$10.00	\$13.02	\$0.00	\$64.67
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (CONCRETE) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$40.09	\$10.00	\$13.02	\$0.00	\$63.11
	06/01/2013	\$40.87	\$10.00	\$13.02	\$0.00	\$63.89
	12/01/2013	\$41.65	\$10.00	\$13.02	\$0.00	\$64.67
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (DEWATERING, OTHER) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$28.17	\$10.00	\$13.02	\$0.00	\$51.19
	06/01/2013	\$28.72	\$10.00	\$13.02	\$0.00	\$51.74
	12/01/2013	\$29.27	\$10.00	\$13.02	\$0.00	\$52.29
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
READY-MIX CONCRETE DRIVER <i>TEAMSTERS LOCAL 49</i>	05/01/2010	\$22.88	\$6.97	\$3.94	\$0.00	\$33.79
RECLAIMERS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$39.72	\$10.00	\$13.02	\$0.00	\$62.74
	06/01/2013	\$40.49	\$10.00	\$13.02	\$0.00	\$63.51
	12/01/2013	\$41.27	\$10.00	\$13.02	\$0.00	\$64.29
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
RESIDENTIAL WOOD FRAME (All Other Work) <i>CARPENTERS -ZONE 2 (Residential Wood)</i>	04/01/2011	\$24.24	\$8.67	\$15.51	\$0.00	\$48.42
RESIDENTIAL WOOD FRAME CARPENTER **	05/01/2011	\$24.24	\$6.34	\$6.23	\$0.00	\$36.81

** The Residential Wood Frame Carpenter classification applies only to the construction of new, wood frame residences that do not exceed four stories including the basement. *CARPENTERS -ZONE 2 (Residential Wood)*

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

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
RIDE-ON MOTORIZED BUGGY OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2012	\$29.85	\$7.10	\$11.55	\$0.00	\$48.50
	06/01/2013	\$30.35	\$7.10	\$11.55	\$0.00	\$49.00
	12/01/2013	\$30.85	\$7.10	\$11.55	\$0.00	\$49.50
	06/01/2014	\$31.35	\$7.10	\$11.55	\$0.00	\$50.00
	12/01/2014	\$31.85	\$7.10	\$11.55	\$0.00	\$50.50
	06/01/2015	\$32.35	\$7.10	\$11.55	\$0.00	\$51.00
	12/01/2015	\$32.85	\$7.10	\$11.55	\$0.00	\$51.50
	06/01/2016	\$33.35	\$7.10	\$11.55	\$0.00	\$52.00
	12/01/2016	\$34.10	\$7.10	\$11.55	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
ROLLER/SPREADER/MULCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$39.72	\$10.00	\$13.02	\$0.00	\$62.74
	06/01/2013	\$40.49	\$10.00	\$13.02	\$0.00	\$63.51
	12/01/2013	\$41.27	\$10.00	\$13.02	\$0.00	\$64.29
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
ROOFER (Inc.Roofers Waterproofing &Roofers Damproofg) <i>ROOFERS LOCAL 33</i>	02/01/2013	\$37.41	\$10.50	\$10.70	\$0.00	\$58.61

Apprentice - ROOFER - Local 33

Effective Date - 02/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.71	\$10.50	\$3.38	\$0.00	\$32.59
2	60	\$22.45	\$10.50	\$10.70	\$0.00	\$43.65
3	65	\$24.32	\$10.50	\$10.70	\$0.00	\$45.52
4	75	\$28.06	\$10.50	\$10.70	\$0.00	\$49.26
5	85	\$31.80	\$10.50	\$10.70	\$0.00	\$53.00

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.

Apprentice to Journeyworker Ratio:**

ROOFER SLATE / TILE / PRECAST CONCRETE <i>ROOFERS LOCAL 33</i>	02/01/2013	\$37.66	\$10.50	\$10.70	\$0.00	\$58.86
For apprentice rates see "Apprentice- ROOFER"						
SHEETMETAL WORKER <i>SHEETMETAL WORKERS LOCAL 17 - A</i>	02/01/2013	\$42.32	\$9.82	\$18.24	\$2.11	\$72.49

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - SHEET METAL WORKER - Local 17-A

Effective Date - 02/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$16.93	\$9.82	\$4.00	\$0.00	\$30.75
2	40	\$16.93	\$9.82	\$4.00	\$0.00	\$30.75
3	45	\$19.04	\$9.82	\$8.00	\$1.11	\$37.97
4	45	\$19.04	\$9.82	\$8.00	\$1.11	\$37.97
5	50	\$21.16	\$9.82	\$8.75	\$1.19	\$40.92
6	50	\$21.16	\$9.82	\$9.00	\$1.20	\$41.18
7	60	\$25.39	\$9.82	\$10.24	\$1.36	\$46.81
8	65	\$27.51	\$9.82	\$10.99	\$1.45	\$49.77
9	75	\$31.74	\$9.82	\$12.49	\$1.62	\$55.67
10	85	\$35.97	\$9.82	\$13.49	\$1.78	\$61.06

Notes:
Steps are 6 mos.

Apprentice to Journeyworker Ratio:1:4

SIGN ERECTOR	06/01/2012	\$25.37	\$6.82	\$6.85	\$0.00	\$39.04
PAINTERS LOCAL 35 - ZONE 2	06/01/2013	\$25.81	\$7.07	\$7.05	\$0.00	\$39.93

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - SIGN ERECTOR - Local 35 Zone 2

Effective Date - 06/01/2012

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$12.69	\$6.82	\$0.00	\$0.00	\$19.51
2	55	\$13.95	\$6.82	\$2.35	\$0.00	\$23.12
3	60	\$15.22	\$6.82	\$2.35	\$0.00	\$24.39
4	65	\$16.49	\$6.82	\$2.35	\$0.00	\$25.66
5	70	\$17.76	\$6.82	\$6.85	\$0.00	\$31.43
6	75	\$19.03	\$6.82	\$6.85	\$0.00	\$32.70
7	80	\$20.30	\$6.82	\$6.85	\$0.00	\$33.97
8	85	\$21.56	\$6.82	\$6.85	\$0.00	\$35.23
9	90	\$22.83	\$6.82	\$6.85	\$0.00	\$36.50

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 <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2012	\$30.74	\$8.91	\$8.00	\$0.00	\$47.65
SPECIALIZED EARTH MOVING EQUIP > 35 TONS <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2012	\$31.03	\$8.91	\$8.00	\$0.00	\$47.94
SPRINKLER FITTER <i>SPRINKLER FITTERS LOCAL 550 - (Section A)</i>	03/01/2013	\$52.58	\$8.42	\$12.60	\$0.00	\$73.60

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - SPRINKLER FITTER - Local 550

Effective Date - 03/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$18.40	\$8.42	\$8.00	\$0.00	\$34.82
2	40	\$21.03	\$8.42	\$8.00	\$0.00	\$37.45
3	45	\$23.66	\$8.42	\$8.00	\$0.00	\$40.08
4	50	\$26.29	\$8.42	\$8.00	\$0.00	\$42.71
5	55	\$28.92	\$8.42	\$8.00	\$0.00	\$45.34
6	60	\$31.55	\$8.42	\$8.00	\$0.00	\$47.97
7	65	\$34.18	\$8.42	\$8.00	\$0.00	\$50.60
8	70	\$36.81	\$8.42	\$8.00	\$0.00	\$53.23
9	75	\$39.44	\$8.42	\$8.00	\$0.00	\$55.86
10	80	\$42.06	\$8.42	\$8.00	\$0.00	\$58.48

Notes:
Steps are 850 hours

Apprentice to Journeyworker Ratio:1:1

STEAM BOILER OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$39.72	\$10.00	\$13.02	\$0.00	\$62.74
	06/01/2013	\$40.49	\$10.00	\$13.02	\$0.00	\$63.51
	12/01/2013	\$41.27	\$10.00	\$13.02	\$0.00	\$64.29
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
TAMPERS, SELF-PROPELLED OR TRACTOR DRAWN <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$39.72	\$10.00	\$13.02	\$0.00	\$62.74
	06/01/2013	\$40.49	\$10.00	\$13.02	\$0.00	\$63.51
	12/01/2013	\$41.27	\$10.00	\$13.02	\$0.00	\$64.29
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
TELECOMMUNICATION TECHNICIAN <i>ELECTRICIANS LOCAL 103</i>	03/01/2013	\$32.64	\$13.00	\$12.51	\$0.00	\$58.15
	09/01/2013	\$33.15	\$13.00	\$12.52	\$0.00	\$58.67
	03/01/2014	\$33.69	\$13.00	\$12.54	\$0.00	\$59.23
	09/01/2014	\$34.20	\$13.00	\$12.56	\$0.00	\$59.76
	03/01/2015	\$34.74	\$13.00	\$12.57	\$0.00	\$60.31
	09/01/2015	\$35.45	\$13.00	\$12.59	\$0.00	\$61.04
	03/01/2016	\$36.17	\$13.00	\$12.62	\$0.00	\$61.79

Apprentice - TELECOMMUNICATION TECHNICIAN - Local 103

Effective Date - 03/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$13.06	\$13.00	\$0.39	\$0.00	\$26.45
2	40	\$13.06	\$13.00	\$0.39	\$0.00	\$26.45
3	45	\$14.69	\$13.00	\$10.77	\$0.00	\$38.46
4	45	\$14.69	\$13.00	\$10.77	\$0.00	\$38.46
5	50	\$16.32	\$13.00	\$11.02	\$0.00	\$40.34
6	55	\$17.95	\$13.00	\$11.27	\$0.00	\$42.22
7	60	\$19.58	\$13.00	\$11.52	\$0.00	\$44.10
8	65	\$21.22	\$13.00	\$11.77	\$0.00	\$45.99
9	70	\$22.85	\$13.00	\$12.02	\$0.00	\$47.87
10	75	\$24.48	\$13.00	\$12.26	\$0.00	\$49.74

Effective Date - 09/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$13.26	\$13.00	\$0.40	\$0.00	\$26.66
2	40	\$13.26	\$13.00	\$0.40	\$0.00	\$26.66
3	45	\$14.92	\$13.00	\$9.79	\$0.00	\$37.71
4	45	\$14.92	\$13.00	\$9.79	\$0.00	\$37.71
5	50	\$16.58	\$13.00	\$10.04	\$0.00	\$39.62
6	55	\$18.23	\$13.00	\$10.29	\$0.00	\$41.52
7	60	\$19.89	\$13.00	\$10.54	\$0.00	\$43.43
8	65	\$21.55	\$13.00	\$10.79	\$0.00	\$45.34
9	70	\$23.21	\$13.00	\$11.04	\$0.00	\$47.25
10	75	\$24.86	\$13.00	\$11.29	\$0.00	\$49.15

Notes:

Apprentice to Journeyworker Ratio:1:1

TERRAZZO FINISHERS	02/01/2013	\$46.35	\$10.18	\$17.83	\$0.00	\$74.36
BRICKLAYERS LOCAL 3 - MARBLE & TILE	08/01/2013	\$47.25	\$10.18	\$17.90	\$0.00	\$75.33
	02/01/2014	\$47.81	\$10.18	\$17.90	\$0.00	\$75.89
	08/01/2014	\$48.71	\$10.18	\$17.97	\$0.00	\$76.86
	02/01/2015	\$49.27	\$10.18	\$17.97	\$0.00	\$77.42
	08/01/2015	\$50.17	\$10.18	\$18.04	\$0.00	\$78.39
	02/01/2016	\$50.74	\$10.18	\$18.04	\$0.00	\$78.96
	08/01/2016	\$51.64	\$10.18	\$18.12	\$0.00	\$79.94
	02/01/2017	\$52.21	\$10.18	\$18.12	\$0.00	\$80.51

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - TERRAZZO FINISHER - Local 3 Marble & Tile

Effective Date - 02/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.18	\$10.18	\$17.83	\$0.00	\$51.19
2	60	\$27.81	\$10.18	\$17.83	\$0.00	\$55.82
3	70	\$32.45	\$10.18	\$17.83	\$0.00	\$60.46
4	80	\$37.08	\$10.18	\$17.83	\$0.00	\$65.09
5	90	\$41.72	\$10.18	\$17.83	\$0.00	\$69.73

Effective Date - 08/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.63	\$10.18	\$17.90	\$0.00	\$51.71
2	60	\$28.35	\$10.18	\$17.90	\$0.00	\$56.43
3	70	\$33.08	\$10.18	\$17.90	\$0.00	\$61.16
4	80	\$37.80	\$10.18	\$17.90	\$0.00	\$65.88
5	90	\$42.53	\$10.18	\$17.90	\$0.00	\$70.61

Notes:

Apprentice to Journeyworker Ratio:1:3

TEST BORING DRILLER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2012	\$37.30	\$7.10	\$12.60	\$0.00	\$57.00
	06/01/2013	\$34.45	\$7.10	\$12.60	\$0.00	\$54.15
	12/01/2013	\$35.20	\$7.10	\$12.60	\$0.00	\$54.90
	06/01/2014	\$35.95	\$7.10	\$12.60	\$0.00	\$55.65
	12/01/2014	\$36.70	\$7.10	\$12.60	\$0.00	\$56.40
	06/01/2015	\$37.45	\$7.10	\$12.60	\$0.00	\$57.15
	12/01/2015	\$38.20	\$7.10	\$12.60	\$0.00	\$57.90
	06/01/2016	\$38.95	\$7.10	\$12.60	\$0.00	\$58.65
	12/01/2016	\$39.95	\$7.10	\$12.60	\$0.00	\$59.65

For apprentice rates see "Apprentice- LABORER"

TEST BORING DRILLER HELPER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2012	\$32.42	\$7.10	\$12.60	\$0.00	\$52.12
	06/01/2013	\$33.17	\$7.10	\$12.60	\$0.00	\$52.87
	12/01/2013	\$33.92	\$7.10	\$12.60	\$0.00	\$53.62
	06/01/2014	\$34.67	\$7.10	\$12.60	\$0.00	\$54.37
	12/01/2014	\$35.42	\$7.10	\$12.60	\$0.00	\$55.12
	06/01/2015	\$36.17	\$7.10	\$12.60	\$0.00	\$55.87
	12/01/2015	\$36.92	\$7.10	\$12.60	\$0.00	\$56.62
	06/01/2016	\$37.67	\$7.10	\$12.60	\$0.00	\$57.37
	12/01/2016	\$38.67	\$7.10	\$12.60	\$0.00	\$58.37

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TEST BORING LABORER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2012	\$32.30	\$7.10	\$12.60	\$0.00	\$52.00
	06/01/2013	\$33.05	\$7.10	\$12.60	\$0.00	\$52.75
	12/01/2013	\$33.80	\$7.10	\$12.60	\$0.00	\$53.50
	06/01/2014	\$34.55	\$7.10	\$12.60	\$0.00	\$54.25
	12/01/2014	\$35.30	\$7.10	\$12.60	\$0.00	\$55.00
	06/01/2015	\$36.05	\$7.10	\$12.60	\$0.00	\$55.75
	12/01/2015	\$36.80	\$7.10	\$12.60	\$0.00	\$56.50
	06/01/2016	\$37.55	\$7.10	\$12.60	\$0.00	\$57.25
	12/01/2016	\$38.55	\$7.10	\$12.60	\$0.00	\$58.25
For apprentice rates see "Apprentice- LABORER"						
TRACTORS/PORTABLE STEAM GENERATORS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$39.72	\$10.00	\$13.02	\$0.00	\$62.74
	06/01/2013	\$40.49	\$10.00	\$13.02	\$0.00	\$63.51
	12/01/2013	\$41.27	\$10.00	\$13.02	\$0.00	\$64.29
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
TRAILERS FOR EARTH MOVING EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2012	\$31.32	\$8.91	\$8.00	\$0.00	\$48.23
TUNNEL WORK - COMPRESSED AIR <i>LABORERS (COMPRESSED AIR)</i>	12/01/2012	\$44.58	\$7.10	\$13.00	\$0.00	\$64.68
	06/01/2013	\$45.33	\$7.10	\$13.00	\$0.00	\$65.43
	12/01/2013	\$46.08	\$7.10	\$13.00	\$0.00	\$66.18
	06/01/2014	\$46.83	\$7.10	\$13.00	\$0.00	\$66.93
	12/01/2014	\$47.58	\$7.10	\$13.00	\$0.00	\$67.68
	06/01/2015	\$48.33	\$7.10	\$13.00	\$0.00	\$68.43
	12/01/2015	\$49.08	\$7.10	\$13.00	\$0.00	\$69.18
	06/01/2016	\$49.83	\$7.10	\$13.00	\$0.00	\$69.93
	12/01/2016	\$50.83	\$7.10	\$13.00	\$0.00	\$70.93
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - COMPRESSED AIR (HAZ. WASTE) <i>LABORERS (COMPRESSED AIR)</i>	12/01/2012	\$46.58	\$7.10	\$13.00	\$0.00	\$66.68
	06/01/2013	\$47.33	\$7.10	\$13.00	\$0.00	\$67.43
	12/01/2013	\$48.08	\$7.10	\$13.00	\$0.00	\$68.18
	06/01/2014	\$48.83	\$7.10	\$13.00	\$0.00	\$68.93
	12/01/2014	\$49.58	\$7.10	\$13.00	\$0.00	\$69.68
	06/01/2015	\$50.33	\$7.10	\$13.00	\$0.00	\$70.43
	12/01/2015	\$51.08	\$7.10	\$13.00	\$0.00	\$71.18
	06/01/2016	\$51.83	\$7.10	\$13.00	\$0.00	\$71.93
	12/01/2016	\$52.83	\$7.10	\$13.00	\$0.00	\$72.93
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - FREE AIR <i>LABORERS (FREE AIR TUNNEL)</i>	12/01/2012	\$36.65	\$7.10	\$13.00	\$0.00	\$56.75
	06/01/2013	\$37.40	\$7.10	\$13.00	\$0.00	\$57.50
	12/01/2013	\$38.15	\$7.10	\$13.00	\$0.00	\$58.25
	06/01/2014	\$38.90	\$7.10	\$13.00	\$0.00	\$59.00
	12/01/2014	\$39.65	\$7.10	\$13.00	\$0.00	\$59.75
	06/01/2015	\$40.40	\$7.10	\$13.00	\$0.00	\$60.50
	12/01/2015	\$41.15	\$7.10	\$13.00	\$0.00	\$61.25
	06/01/2016	\$41.90	\$7.10	\$13.00	\$0.00	\$62.00
	12/01/2016	\$42.90	\$7.10	\$13.00	\$0.00	\$63.00
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TUNNEL WORK - FREE AIR (HAZ. WASTE) <i>LABORERS (FREE AIR TUNNEL)</i>	12/01/2012	\$38.65	\$7.10	\$13.00	\$0.00	\$58.75
	06/01/2013	\$39.40	\$7.10	\$13.00	\$0.00	\$59.50
	12/01/2013	\$40.15	\$7.10	\$13.00	\$0.00	\$60.25
	06/01/2014	\$40.90	\$7.10	\$13.00	\$0.00	\$61.00
	12/01/2014	\$41.65	\$7.10	\$13.00	\$0.00	\$61.75
	06/01/2015	\$42.40	\$7.10	\$13.00	\$0.00	\$62.50
	12/01/2015	\$43.15	\$7.10	\$13.00	\$0.00	\$63.25
	06/01/2016	\$43.90	\$7.10	\$13.00	\$0.00	\$64.00
	12/01/2016	\$44.90	\$7.10	\$13.00	\$0.00	\$65.00
For apprentice rates see "Apprentice- LABORER"						
VAC-HAUL <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2012	\$30.74	\$8.91	\$8.00	\$0.00	\$47.65
WAGON DRILL OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2012	\$29.85	\$7.10	\$11.55	\$0.00	\$48.50
	06/01/2013	\$30.35	\$7.10	\$11.55	\$0.00	\$49.00
	12/01/2013	\$30.85	\$7.10	\$11.55	\$0.00	\$49.50
	06/01/2014	\$31.35	\$7.10	\$11.55	\$0.00	\$50.00
	12/01/2014	\$31.85	\$7.10	\$11.55	\$0.00	\$50.50
	06/01/2015	\$32.35	\$7.10	\$11.55	\$0.00	\$51.00
	12/01/2015	\$32.85	\$7.10	\$11.55	\$0.00	\$51.50
	06/01/2016	\$33.35	\$7.10	\$11.55	\$0.00	\$52.00
	12/01/2016	\$34.10	\$7.10	\$11.55	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
WASTE WATER PUMP OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$40.09	\$10.00	\$13.02	\$0.00	\$63.11
	06/01/2013	\$40.87	\$10.00	\$13.02	\$0.00	\$63.89
	12/01/2013	\$41.65	\$10.00	\$13.02	\$0.00	\$64.67
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
WATER METER INSTALLER <i>PLUMBERS & GASFITTERS LOCAL 12</i>	03/01/2013	\$49.31	\$9.32	\$13.29	\$0.00	\$71.92
For apprentice rates see "Apprentice- PLUMBER/PIPEFITTER" or "PLUMBER/GASFITTER"						
Outside Electrical - East						
CABLE TECHNICIAN (Power Zone) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	03/03/2013	\$25.18	\$8.20	\$4.17	\$0.00	\$37.55
	09/01/2013	\$25.66	\$8.70	\$4.48	\$0.00	\$38.84
For apprentice rates see "Apprentice- LINEMAN"						
CABLEMAN (Underground Ducts & Cables) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	03/03/2013	\$35.67	\$8.20	\$4.98	\$0.00	\$48.85
	09/01/2013	\$36.55	\$8.70	\$6.58	\$0.00	\$51.83
For apprentice rates see "Apprentice- LINEMAN"						
DRIVER / GROUNDMAN CDL <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	03/03/2013	\$29.38	\$8.20	\$5.68	\$0.00	\$43.26
	09/01/2013	\$29.94	\$8.70	\$6.05	\$0.00	\$44.69
For apprentice rates see "Apprentice- LINEMAN"						
DRIVER / GROUNDMAN -Inexperienced (<2000 Hrs) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	03/03/2013	\$23.08	\$8.20	\$3.94	\$0.00	\$35.22
	09/01/2013	\$23.52	\$8.70	\$5.24	\$0.00	\$37.46
For apprentice rates see "Apprentice- LINEMAN"						
EQUIPMENT OPERATOR (Class A CDL) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	03/03/2013	\$35.67	\$8.20	\$8.98	\$0.00	\$52.85
	09/01/2013	\$36.35	\$8.70	\$9.43	\$0.00	\$54.48
For apprentice rates see "Apprentice- LINEMAN"						
EQUIPMENT OPERATOR (Class B CDL) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	03/03/2013	\$31.48	\$8.20	\$6.19	\$0.00	\$45.87
	09/01/2013	\$32.08	\$8.70	\$6.59	\$0.00	\$47.37
For apprentice rates see "Apprentice- LINEMAN"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
GROUNDMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	03/03/2013	\$23.08	\$8.20	\$3.42	\$0.00	\$34.70
	09/01/2013	\$23.52	\$8.70	\$3.72	\$0.00	\$35.94
For apprentice rates see "Apprentice- LINEMAN"						
GROUNDMAN -Inexperienced (<2000 Hrs.) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	03/03/2013	\$18.89	\$8.20	\$2.61	\$0.00	\$29.70
	09/01/2013	\$19.25	\$8.70	\$2.85	\$0.00	\$30.80
For apprentice rates see "Apprentice- LINEMAN"						
JOURNEYMAN LINEMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	03/03/2013	\$41.97	\$8.20	\$11.26	\$0.00	\$61.43
	09/01/2013	\$42.77	\$8.70	\$11.78	\$0.00	\$63.25

Apprentice - LINEMAN (Outside Electrical) - East Local 104

Effective Date - 03/03/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$25.18	\$8.20	\$3.92	\$0.00	\$37.30
2	65	\$27.28	\$8.20	\$4.36	\$0.00	\$39.84
3	70	\$29.38	\$8.20	\$5.06	\$0.00	\$42.64
4	75	\$31.48	\$8.20	\$5.76	\$0.00	\$45.44
5	80	\$33.58	\$8.20	\$6.46	\$0.00	\$48.24
6	85	\$35.67	\$8.20	\$7.17	\$0.00	\$51.04
7	90	\$37.77	\$8.20	\$8.36	\$0.00	\$54.33

Effective Date - 09/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$25.66	\$8.70	\$4.24	\$0.00	\$38.60
2	65	\$27.80	\$8.70	\$4.71	\$0.00	\$41.21
3	70	\$29.94	\$8.70	\$5.43	\$0.00	\$44.07
4	75	\$32.08	\$8.70	\$6.16	\$0.00	\$46.94
5	80	\$34.22	\$8.70	\$6.88	\$0.00	\$49.80
6	85	\$36.35	\$8.70	\$7.62	\$0.00	\$52.67
7	90	\$38.49	\$8.70	\$8.83	\$0.00	\$56.02

Notes:

Apprentice to Journeyworker Ratio:1:2

TELEDATA CABLE SPLICER <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	07/16/2012	\$26.33	\$4.18	\$2.79	\$0.00	\$33.30
TELEDATA LINEMAN/EQUIPMENT OPERATOR <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	07/16/2012	\$24.78	\$4.18	\$2.74	\$0.00	\$31.70
TELEDATA WIREMAN/INSTALLER/TECHNICIAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	07/16/2012	\$24.78	\$4.18	\$2.74	\$0.00	\$31.70
TREE TRIMMER <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	02/01/2009	\$16.59	\$2.42	\$0.00	\$0.00	\$19.01
This classification applies only to the trimming of branches on and around utility lines.						
TREE TRIMMER GROUNDMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	02/01/2009	\$14.64	\$2.42	\$0.00	\$0.00	\$17.06
This classification applies only to the trimming of branches on and around utility lines.						

Additional Apprentices 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) unless otherwise specified.

* Ratios are expressed in allowable number of apprentices to journeymen or fraction thereof.

** 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.