



**CITY KNOWN AS THE TOWN OF GREENFIELD**  
*Purchasing Department*

**CONTRACT 18-02**

**Asbestos Abatement and Demolition of  
180 Laurel Street**

**Documents available:** August 30, 2017 @ 10:00 a.m.  
**Bid Due Date:** September 14, 2017 @ 2:00 p.m.

**Mandatory Site Visit:** September 6, 2017 @ 10:00 a.m.  
**Questions Due:** September 8, 2017 @ 4:00 p.m.  
**Answers available:** September 11, 2017 @ 2:00 p.m.

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## Advertisement for bidders

City of Greenfield  
14 Court Square  
Greenfield, MA 01301

Sealed proposals addressed to the Purchasing Department, 14 Court Square, Greenfield, MA and endorsed "18-02 Proposal for Asbestos Abatement and Demolition of 180 Laurel Street" will be accepted by the Office of the Mayor at 14 Court Square. Bids will be accepted until 2:00 p.m. on Thursday, September 14, 2017.

Sealed bids must be mailed or hand delivered to: Office of the Mayor  
City of Greenfield  
14 Court Square, Room 201  
Greenfield, MA 01301

Electronic submissions will not be considered.

The building in question was a former machine tool factory owned by Besly Cutting Tools, later acquired by the Bendix Corporation. It is a steel frame building with concrete and brick veneer walls. The roof is flat, tar and gravel. The size is 94,080 square feet. The overall site has been monitored for contamination for some years and has not yet achieved regulatory closure, thus any proposal herein must ensure that the demolition does not impact any ongoing remediation being performed by others under a separate contract. Once the building is down, a 3<sup>rd</sup> party entity will be on site to monitor and conduct testing for potential contamination from under the existing concrete slab. If soil contamination is found, Honeywell, Inc. (deemed the responsible party by the DEP) will be responsible for the clean-up and disposal of any contaminated soil. However, the work under this contract shall include coordination with Honeywell as to removal of the concrete slab and any required remediation within the established timeframes. If the testing produces no actionable results, the site will be prepared to receive a new 80,000 square foot building.

The work includes:

- Demolition, removal and disposal of all construction above grade (i.e. building, loading docks, walkways, etc.) as asbestos-containing waste debris. It should be noted that the Owner has applied for an asbestos Non-Traditional Work Plan (NTWP) for the removal and disposal of the building and associated material as asbestos waste.
- Demolition, removal and disposal of all construction below grade including the concrete slab and associated below grade vaults. Note that these components will be disposed off-site as regular construction debris.
- Removal of all debris and debris piles located around the property.
- Preparing the site to receive a new 80,000 square foot building

Plans, specifications and proposal forms may be obtained starting @ 10:00 a.m. August 30, 2017 from the City of Greenfield's website at [www.greenfield-ma.gov](http://www.greenfield-ma.gov) under "Departments", "Purchasing", and "Active Bids/RFQ/RFP" or electronically from the Purchasing Department of the City of Greenfield at [purchasing@greenfield-ma.gov](mailto:purchasing@greenfield-ma.gov) or by calling A. LaBonté at 772-1500 ext. 2130.

The Bid Security from the Contractor in the form of cash, certified check, treasurer's check or cashier's check, drawn upon a responsible bank in the Commonwealth of Massachusetts or a bid bond in the amount of five percent (5%) of the bid shall be made payable to the City of Greenfield, MA and shall be enclosed with the bid.

A Performance Bond and a Labor and Materials Bond in the full amount of the contract, will be required of the successful bidder.

Attention is called to the following:

- A. Bids for this project are subject to the provisions of the Massachusetts General Laws Chapter 30, Section 39M as amended.
- B. Wages are subject to Massachusetts minimum wage rates as per MGL chapter 149, Section 26 to 27H inclusive, and federal minimum wage rates pursuant to the Davis-Bacon Act, whichever pays more.
- C. All pertinent regulations ordinances and statutes of the City of Greenfield, the State of Massachusetts will be rigidly enforced.
- D. The successful bidder must comply with Chapter 151B as amended, of the Massachusetts General Laws and with the provisions of Executive Order no 74, as amended by Executive Order No. 116 dated May 1, 1975 pertaining to Equal Opportunity Anti-discrimination and Affirmative Action.

A mandatory site visit is scheduled for Wednesday, September 6<sup>th</sup> at 10:00 a.m. at 180 Laurel Street, Greenfield. Perspective contractors shall be DCAMM Certified in "Demolition" and/or "Asbestos Abatement".

The lowest responsible and eligible bidder shall be awarded the project subject to the availability of funding. The City of Greenfield reserves the right to reject any or all bids or to waive any informality in the bidding.

The Contract/Bid/Proposal awarding authority is:

City of Greenfield  
Purchasing Department  
14 Court Square  
Greenfield, MA 01301

# INFORMATION FOR BIDDERS

## 1.1 Location and work to be done

The work herein specified to be done (herein sometimes referred to as the “Work”) consists of asbestos abatement and the demolition of a former machine tool factory and related work. Some hazardous material abatement below-grade may be required. Any remediation outside of the asbestos remediation will fall to Honeywell Inc., deemed the responsible party by DEP. Investigation of the existence of underground utilities must be conducted. Due to the proximity of several residences, noise abatement shall be considered.

The Contractor shall furnish all labor, services, materials, equipment, plant, machinery, apparatus, appliances, tools, supplies, and all other items necessary to do all the work required for the completion of the Work, as specified.

The Work to be done and paid for shall not be limited to the extent mentioned or described, but shall include all incidental work necessary or customarily done for the completion of the work.

## 1.2 Questions Regarding Drawings and Documents

In general, no answers will be given to prospective bidders in reply to an oral question if the question involves an interpretation of the intent or meaning of the Drawings or other Contract Documents, or the equality or use of products or methods other than those designated or described on the drawings or in the specifications. Any information given to bidders other than by means of the Drawings and other Contract Documents, including Addenda, as described below, is given informally, for information and the convenience of the bidder only and is not guaranteed. The bidder agrees that such information shall not be used as the basis of nor shall the giving of any such information entitle the bidder to assert any claim or demand against the owner or the engineer on account thereof.

To receive consideration, such questions shall be submitted in writing to the City before the established date for receipt of bids (on or before September 8, 2017 by 4:00 PM) to Audrey LaBonte at [audrey.labonte@greenfield-ma.gov](mailto:audrey.labonte@greenfield-ma.gov). If the question involves the equality or use of products or methods it must be accompanied by drawings, specifications or other data in sufficient detail to enable the City to determine the equality or suitability of the product or method. In general, the City will neither approve nor disapprove particular products prior to the opening of Bids; such products will be considered when offered by the Contractor for incorporation into the Work.

The City will set forth as Addenda, which shall become a part of the Contract Documents, such questions received as above provided as in their sole judgment are appropriate or necessary and their decision regarding each. At least three days prior to the receipt of Bids, we will send a copy of these Addenda to those prospective *bidders known* to have taken out bid documents.

The Contractor agrees to use the products and methods designated or described in the Specifications as amended by the Addenda.

### **1.3 Bidders to Investigate**

Bidders are required to submit their Bids upon the following express conditions which shall apply to and be deemed a part of every Bid received, specifically: Bidders must satisfy themselves by personal examinations of the site of the work and by such other means as they may wish, as to the actual conditions there existing, the character and requirements of the Work, the difficulties attendant upon its execution, and the accuracy of all estimated quantities stated in the Bid.

### **1.4 Information not guaranteed**

All information given on the Drawings or in the Contract Documents relating to sub-surface and other conditions, natural phenomena, existing pipes and other structures is from the best sources at present available to the City. All such information is furnished only for the information and convenience of bidders and is not guaranteed.

It is agreed and understood that the City does not warrant or guarantee that the subsurface or other conditions, natural phenomena, existing pipes or other structures encountered during construction, will be the same as those indicated on the Drawings or in the other Contract Documents.

It is agreed further and understood that no bidder or contractor shall use or be entitled to use any of the information made available to them or obtained in any examination made by them in any manner as a basis of or ground for any claim or demand against the City, arising from or by reason of any variance which may exist between the information made available and the actual subsurface or other conditions, natural phenomena, existing pipes or other structures actually encountered during the construction work, except as may otherwise be expressly provided for in the Contract Documents.

### **1.5 Submitting Bids**

All Bids must be upon the blank form for Bid annexed hereto, state the proposed price of each item of the Work, both in words and in figures, and be signed by the Bidder with their business address and place of residence. The Bid Security shall be enclosed with the Bid.

Bidders shall not remove and submit the Bid pages separate from the volume of Contract Documents, but shall submit their Bids bound with the complete volume of attached Contract Documents, including all pages correctly assembled.

Each bid shall be submitted to the City in a sealed envelope. On the outside of the envelope shall be written the bidder's name and address and the name of and description of the project for which the Bid is submitted. If forwarded by mail, the sealed envelope containing the Bid and marked as directed above, must be enclosed in another envelope addressed to the City.

NOTE: Electronic submissions will not be accepted.

## **1.6 Time for Completion**

The successful bidder will be required to substantially complete the Work within 60 consecutive calendar days from the Notice to Proceed. It is the intention of the City of Greenfield to complete this work at the soonest possible date therefore; the successful contractor will be required to execute the contract within ten (10) days of award. A preconstruction meeting is tentatively scheduled for Friday, September 29<sup>th</sup> @ 10:00 at the City Hall Meeting Room #203; a notice to proceed will be given; and the contractor is to start the Work immediately.

## **1.7 Withdrawal of Bids**

Except as hereinafter in this subsection otherwise expressly provided, once their Bid is submitted and received by the City for consideration and comparison with other bid similarly submitted, the bidder agrees that they may not and will not withdraw it within 40 (forty) consecutive calendar days after the actual date of the opening of Bids.

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

1. At any time prior to the designated time for the opening of Bids.
2. Provided the Bid has not therefore been accepted by the City at any time subsequent to the expiration of the period during which the bidder has agreed not to withdraw their Bid. Unless a Bid is withdrawn as provided above, the Bidder agrees that it shall be deemed open for acceptance until the City notifies a Bidder in writing that their Bid is rejected or that the City does not intend to accept it. Notice of acceptance of a Bid shall not constitute rejection of any Bid.

## **1.8 Ability and Experience of Bidder**

No award will be made to any Bidder who cannot satisfy the City that they has sufficient ability and experience in this class of work and sufficient capital and plant to enable them to prosecute and complete the Work successfully within the time named. The City decision or judgment on these matters shall be final, conclusive, and binding.

The Bidder is to submit a list of comparable projects with the list of references. The City may make such investigations as it deems necessary, and the Bidder shall furnish to the City, under oath if so required, all such information, and data for this purpose as the City may request.

## **1.9 Bids**

The City may reject Bids which in its sole judgment are incomplete, conditional, obscure or not responsive or which contain additions not called for, erasures not properly initialed, alterations, or similar irregularities, or the City may waive such omissions, conditions or irregularities.

The cost of the preparation of bid documents is considered a part of the cost of doing business and as such will not be reimbursed, regardless of circumstances.

### **1.10 Right to Reject Bids**

The City reserves the right to reject any or all Bids, or alternative Bid Items should the City deem it to be in the public interest to do so.

### **1.11 Execution of Agreement**

The Bidder whose bid is accepted will be required and agrees to duly execute the AGREEMENT, after notification that the AGREEMENT is ready for signature.

### **1.12 Insurance Certificates**

The Contractor will not be permitted to start any construction work until they has submitted certificates covering all insurance called for, and has obtained approval in writing of such certificates from the City.

Before starting, and until completion of the guarantee period, the Contractor shall procure, deposit, and maintain with the City, insurance satisfactory to the City as follows:

- A. Workmen's Compensation and Employer's Liability Insurance as required by the Workmen's Compensation Laws of the Commonwealth of Massachusetts.
- B. Comprehensive Commercial Liability Insurance covering Bodily Injury and Property Damage (Broad Form) as follows:

Limits of Liability\*    \$1,000,000 each occurrence  
                                      \$2,000,000 aggregate

\* or \$1,000,000 single limit combined Bodily Injury and Property Damage.

The Comprehensive Commercial Liability Policy shall provide insurance for the Contractor for Bodily Injury and Property Damage to third persons arising out of:

1. Work performed by the Contractor with their own employees, called "premises operations."
2. Work performed by their subcontractors, called "sublet work" or Independent Contractors (this is referred to as Contractor's Protective Liability).
3. The Contractor's liability assumed under this contract, called "Hold Harmless" clauses or indemnity agreement. (This is referred to as Contractual Liability Insurance).



4. Products liability coverage covering the completed building or installation or products furnished. (This is called Products Liability Insurance for the manufacturer and Complete Operations Liability Insurance for the Contractor).
  5. If any work is to be performed below the surface of the ground, the coverage shall be extended to include protection against property damage caused by explosion (including blasting), collapse of structures and damage to underground pipes and utilities. (This is known as "XCU" coverage).
- C. The Contractor shall also include \$5 million per occurrence umbrella coverage for pollution liability written in "true occurrence basis" without a sunset clause. The pollution exclusion shall be amended to add back coverage for all pollution claims and shall be maintained for 2 years after completion of the project.
- D. Comprehensive Automobile Liability Insurance covering Bodily Injury and Property Damage, as follows:

**Limits of Liability**

Bodily Injury	\$ 500,000 each person \$1,000,000 each accident
Property Damage	\$1,000,000 each accident

\* or \$500,000 single limit combined Bodily Injury and Property Damage.

This insurance is to apply with respect to all owned or hired vehicles of the Contractor and non-ownership protection for all employees of the Contractor engaged in the performance of this contract.

- E. All policies shall be so written that the City will be notified of cancellation or restrictive amendment at least 30 days prior to the effective date of such cancellation or amendment. Certificates from the insurance carrier stating the limits of liability and expiration date shall be filed in triplicate with the City before operations are begun. Such certificates not only shall name the types of policy provided, but also shall refer specifically to this Contract\* and article and the above paragraphs in accordance with which insurance is being furnished and shall state that such insurance is as required by such paragraphs of this Contract and shall be sufficiently comprehensive as to permit the owner to determine that the required insurance coverage has been provided without the necessity of examining the individual insurance policies.

If the initial insurance expires prior to completion of the Work, renewal certificates shall be furnished by the date of expiration.

\* If blanket coverage is furnished, this particular Contract need not be referred to.

- F. The Contractor shall require each of their sub-contractors to procure and maintain until the completion of that sub-contractor's work, insurance of the types and to the limits specified in paragraphs A to C, inclusive, above. It shall be the responsibility of the Contractor to insure that all their sub-contractors comply with all of the insurance requirements contained herein relating to such sub-contractors.

No insurances required or furnished hereunder shall, in any way, relieve the contractor of, or diminish any of their responsibilities, obligations and liabilities under the Contract.

### **1.13 Comparison of Bids**

Bids will be compared on the basis of lump-sum stated in the BID.

In the event that there is a discrepancy in the Bid between the lump-sum written in words and figures, the prices written in words shall govern. The City agrees to examine and consider each Bid submitted in consideration of the Bidder's agreements, as hereinabove set forth and as set forth in the BID.

### **1.14 Bid Security**

The Bid Security from the contractor in the form of cash, certified check or treasurer's or cashier's check drawn upon a responsible bank in the Commonwealth of Massachusetts or a bid bond in the amount of five percent (5%) of the bid shall be made payable to the City of Greenfield, Massachusetts and shall be enclosed with the bid.

Each such check may be held by the City as security for the fulfillment the bidder's agreements as hereinabove set forth and as set forth in the BID. Should the bidder fail to fulfill such agreements, their bid check shall become the property of the City as liquidated damages; otherwise, the bid check shall be returned to the bidder as hereinafter provided.

Bid checks will be returned to all except the three lowest bidders within three days, Sundays and legal holidays excluded, after the owner and the accepted bidder have executed the AGREEMENT. In the event that the AGREEMENT has not been executed by both the accepted bidder and the owner within 40 consecutive calendar days after the opening of bids, the bid check will be returned promptly upon demand of any bidder who has not been notified of the acceptance of their bid.

None of the three lowest bids shall be deemed rejected, notwithstanding acceptance of any bid, until the AGREEMENT has been executed by both the City and the accepted bidder. The bid deposit must be enclosed in the sealed envelope containing the bid.

### **1.15 Disputes**

In the event of any dispute as to any of the terms and conditions of this contract, it shall be determined in accord with the laws of the Commonwealth of Massachusetts and the Courts of the Commonwealth of Massachusetts shall have exclusive jurisdiction of the same.

### **1.16 Addenda**

This bid includes addenda number/numbers \_\_\_\_\_.

### **1.17 Minimum Wage Rates**

In the employment of mechanics, teamsters, chauffeurs, and laborers in the construction of the public work projects, the Minimum Wage rates shall be paid as issued by the Commissioner of Labor and Industries of Massachusetts, in accordance with Sections 26 and 27 of Chapter 149, of the General Laws, as amended, and as included in Appendix D Massachusetts Prevailing Wage Rates.

### **1.18 Equal Employment Opportunity Anti-Discrimination and Affirmative Action**

The successful bidder must comply with Chapter 151B as amended, of the Massachusetts General Laws and with the provisions of Executive Order No. 74, as amended by Executive Order No. 116 dated May 1, 1975 pertaining to Equal Opportunity Anti- Discrimination and Affirmative Action.

### **1.19 Notice to Proceed and Pre-Construction Conference**

A written Notice to Proceed shall be issued to the Contractor after receipt of proof of required insurance. No work shall be performed by the Contractor until they has received the Notice to Proceed.

Prior to the start of construction, the Contractor, all subcontractors, the project manager, and the owner shall attend a pre-construction conference. The conference will serve to acquaint the participants with the general plan of contract administration and requirements under which the construction operation is to proceed.

The date, time, and place of the conference is tentatively set for Friday, September 29, 2017 @ 10:00 a.m. in the City Hall Meeting Room #203.

### **1.20 Bonds**

Performance, as well as Labor and Material Bonds are required in the full amount of the contract.

## **End of Section**

## **FORMS FOR BID**

## PROPOSAL FORM

To the City of Greenfield, Massachusetts, (hereinafter called the "Owner") acting through its Purchasing Department, duly authorized therefore, who act solely for said City and without personal liability to themselves:

The undersigned, \_\_\_\_\_ as bidder, declares that the only persons or parties interested in this bid as principals are those named herein; that the bidder has carefully examined the proposed form of Proposal and the Specifications (and amendments thereto); and they bids and agrees, if this bid is accepted, that the bidder will furnish all materials and labor necessary for the completion of the Work as specified in the Proposal, in the manner and time therein prescribed and according to the requirements of Owner as herein set forth.

The Bidder agrees that the Owner will have forty (40) consecutive days from date of opening to accept the bid, except as described in the specifications, the unit(s) at the price, therein. The Bidder also understands that the Owner reserves the right to accept or reject any or all bids and to waive any informalities in the Proposals if it is in the Owner's interest to do so. The Advertisement for Bidders, Information for Bidders, Specifications and Proposal Form attached thereto, shall become a contract upon the receipt by the Bidder of written acceptance of this bid by the Owner.

The Bidder will take in full payment, therefore, the following price, to wit:

Item Number	Estimated Quantity	Brief Description; unit or lump-sum price bid in both words and figures
1	1 Lump Sum	Demolition and disposal of site building and above-grade components (excludes the concrete slab and below grade vaults) and associated site work for a Lump Sum Price of: _____dollars and _____cents
Total in Figures: \$ _____		

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Alternate Bid Item 1	Demolition and disposal of the concrete slab including and below grade vaults and associated site work for the Lump Sum Price of: _____dollars and _____cents
Total in Figures: \$ _____	

If this BID is accepted by the City, the undersigned agrees to complete the entire work provided to be done under the Contract within the time stipulated as otherwise expressly provided in the AGREEMENT.

As provided in the INFORMATION FOR BIDDERS, the bidder hereby agrees that they will not withdraw this BID within 40 consecutive calendar days after the actual date of the opening of BIDS and that, if the City shall accept this BID, the bidder will duly execute and acknowledge the AGREEMENT and furnish, duly executed and acknowledged, the required CONTRACT BONDS within ten (10) days after notification that the AGREEMENT and other Contract Documents are ready for signature.

Should the bidder fail to fulfill any of their agreements as hereinabove set forth, the City shall have the right to retain as liquidated damages the amount of the bid check which shall become the City's property.

This BID includes Addenda number \*\*\* \_\_\_\_\_.

\*\*\* To be filled in by Bidder if Addenda are issued.

The Bidder, by submittal of this BID, agrees with the Owner that the amount of the bid security deposited with this BID fairly and reasonably represents the amount of damages the Owner will suffer due to the failure of the Bidder to fulfill their agreements as above provided.

The Bidder hereby certifies they shall comply with the minority manpower ration and specific action steps contained in the STATE REQUIREMENTS under Massachusetts Equal Employment Program, including the minority contractor compliance. Prior to the award of the Contract, the Contractor must submit a Contractor's Certification of Compliance. The Contractor receiving the award of the Contract shall be required to obtain from each of its Sub-Contractors and submit to the contracting or administering agency prior to the performance of any work under said Contract a certification by said Sub-Contractor, regardless of tier, that it will comply with the minority manpower ratio and specific affirmative action steps contained in the Massachusetts Equal Employment Program.

\_\_\_\_\_  
Name of Bidder

(SEAL)

By:

\_\_\_\_\_  
(Signature and title of authorized representative)

\_\_\_\_\_  
Business Address

\_\_\_\_\_  
City & State

\_\_\_\_\_ Date

\_\_\_\_\_ Bidder's Name

The Bidder is a corporation incorporated in the State (or Commonwealth) of \_\_\_\_\_  
\_\_\_\_\_(Bidder must add and delete, as necessary, to make this sentence read correctly).

(Note: If the Bidder is a corporation, affix corporate seal and give below the names of its president, treasurer, and general manager, if any; if a partnership, give full names and residential addresses of all partners, and if an individual, give residential address if different from business address.)

(Corporate Seal)

\_\_\_\_\_ President

\_\_\_\_\_ Treasurer

\_\_\_\_\_ General Manager

\_\_\_\_\_ Partner

\_\_\_\_\_ Partner

\_\_\_\_\_ Partner

\_\_\_\_\_ Partner

\_\_\_\_\_ Partner

Individual: \_\_\_\_\_

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

## CERTIFICATE OF NON-COLLUSION

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

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

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



## TAX COMPLIANCE CERTIFICATION

Pursuant to M.G.L. Ch. 62C, Sec. 49A, I certify under the penalties of perjury that I, to the best of my knowledge and belief, am in compliance with all laws of the Commonwealth of Massachusetts relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

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Signature of individual submitting bid or proposal

---

Name of Business

**DEBARMENT STATEMENT**  
(to be used for any public construction project)

Any person or corporation that fails to date, sign with original signature, and submit the following statement shall not be awarded this contract.

DEBARMENT (Chapter 550, Acts of 1991)

The undersigned certifies under penalties of perjury that the said undersigned is not presently debarred from doing public construction work in the Commonwealth of Massachusetts under the provisions of Section 29F of Chapter 29 of the General Laws, or any other applicable debarment provisions of any other Chapter of the General Laws, or any Rule or Regulation promulgated thereunder.

DATE: \_\_\_\_\_

\_\_\_\_\_  
Typed or Printed Name of Person Signing

\_\_\_\_\_  
Authorized Official's Signature

\_\_\_\_\_  
Company or Corporation

**A. Contractor's Certification**

\_\_\_\_\_  
Name of Project

A contractor will not be eligible for award of a contract unless such contractor has submitted the following certification, which is deemed a part of the resulting contract:

**CONTRACTOR'S CERTIFICATION**

\_\_\_\_\_ certified that:

1. It tends to use the following listed construction trades in the work under the contract

\_\_\_\_\_  
\_\_\_\_\_

and

2. Will comply with the minority manpower ration and specific affirmative action steps required by law, and
3. Will obtain from each of its Sub-Contractors and submit to the contracting or administering agency prior to the award of any Sub-Contract under this contract the Sub-Contractor certification required by these bid conditions.

\_\_\_\_\_  
Signature of contractor's authorized representative

\_\_\_\_\_  
Printed name and title

**B. Sub-Contractor's Certification**

\_\_\_\_\_  
Name of Project

Prior to the award of any sub-contract, regardless of tier, the prospective sub-contractor must execute and submit to the prime contractor the following certification, which will be deemed a part of the resulting sub-contract:

**SUB-CONTRACTOR'S CERTIFICATION**

\_\_\_\_\_certified that:

1. It tends to use the following listed construction trades in the work under the sub-contract

\_\_\_\_\_  
\_\_\_\_\_

and;

2. Will comply with the minority manpower ration and specific affirmative action steps required by law; and
3. Will obtain from each of the sub-contractors prior to the award of any sub-contract under this sub-contractor certification required by these bid conditions.

\_\_\_\_\_  
Signature of contractor's authorized representative

\_\_\_\_\_  
Printed name and title

In order to ensure that the said sub-contractor's certification becomes a part of all sub-contractors under the prime contract, no sub-contract shall be executed until an authorized representative of the City agency (or agencies) administering this project has determined, in writing, that the said certification has been incorporated in such sub-contract, regardless of tier. Any sub-contract executed without such written approval shall be void.

## OSHA TRAINING CERTIFICATION

Pursuant to M.G.L. Ch. 30, Sec. 39S (A), I certify under the penalties of perjury to the following:

(1) that I am able to furnish labor that can work in harmony with all other elements of labor employed or to be employed at 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 contract 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.

---

(Signature of authorized representative of Bidder)

---

(Name of authorized representative of Bidder)

---

(Name of business)

## **AGREEMENT**

# OWNER-CONTRACTOR AGREEMENT

This Agreement made the \_\_\_\_ day of \_\_\_\_\_, 2017 \_\_\_\_, by and between the City of Greenfield, hereinafter called the "Owner", and \_\_\_\_\_ hereinafter called the "Contractor".

*Witnesseth*, that the Owner and the Contractor, for the consideration herein under named, agree as follows:

**Article 1. Scope of Work:** The Contractor shall perform all Work required by the Contract Documents for the **Asbestos Abatement and Demolition of 180 Laurel Street**.

**Article 2. Time of Completion:** The Contractor shall commence work under this Contract on the date specified in the written "Notice to Proceed" and shall bring the Work to Substantial Completion within 60 calendar days of said date. Liquidated Damages for in the amount of \$1,000/per days shall be applicable for each and every day required to complete the project beyond the substantial completion date.

**Article 3. Contract Sum:** The Owner shall pay the Contractor, in current funds, for the performance of the Work, subject to additions and deductions by Change Order, of the Contract Sum of \_\_\_\_\_ dollars (\$\_\_\_\_\_).

**Article 4. The Contract Documents:** The following, together with this Agreement, form the Contract and all are as fully a part of the contract as if attached to this Agreement or repeated herein: The Bidding Documents, Contract Forms, Specifications as enumerated in the Table of Contents, the drawings, if applicable, and all Modifications issued after execution of the Contract.

**Article 5. REAP Certification:** Pursuant to M.G.L. c.62(c), sec.49 (a), the individual signing this Contract on behalf of the Contractor, hereby certifies, under the penalties of perjury, that to the best of their knowledge and belief the Contractor has complied with all laws of the Commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

**Article 6. Validation:** This Contract will not be valid until signed by the City Accountant for the City of Greenfield.

<sup>1</sup> Contractor

Awarding Authority

\_\_\_\_\_  
Name of Contractor

\_\_\_\_\_  
For the City of Greenfield

\_\_\_\_\_  
Address

\_\_\_\_\_  
Signature and Seal

By: \_\_\_\_\_

Signature and Seal

\_\_\_\_\_  
Title

Witness: \_\_\_\_\_

Approved as to Appropriation:

<sup>1</sup> If a Corporation, attach a notarized copy of Corporate Vote authorizing signatory to sign contract.

\_\_\_\_\_  
City Accountant

**For AGREEMENT**

State of \_\_\_\_\_ )

SS:

County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_ ,

Before me personally appeared \_\_\_\_\_

To me known, who being by me duly sworn, did depose and say as follows:

That he/she resides at \_\_\_\_\_

and is the \_\_\_\_\_

of \_\_\_\_\_

the corporation described in and which executed the foregoing instrument; that he/she knows the corporate seal of said corporation; that the seal affixed to the foregoing instrument is such corporate seal and it was so affixed y order of the Board of Directors of said corporation; and that by the like order he/she signed thereto his/her name and official designation.

\_\_\_\_\_  
Signature of Notary Public

(Seal)

\_\_\_\_\_  
Printed Typed Name of Notary Public

My commission expires: \_\_\_\_\_



**NOTICE TO PROCEED:**

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

**Project:** Asbestos Remediation and Demolition of 180 Laurel Street (Former Bendix property) and Related Work

**Owner:** City of Greenfield, MA

**Owner's Contract No.:** 18-02

**Contract:** Asbestos Remediation and Demolition of Bendix Building and Related Work

**Contractor:**

**Contractor's Address:**

(Send Certified Mail, Return Receipt Requested)

You are notified that the Contract Times under the above contract will commence to run on \_\_\_\_\_. On or before that date, you are to start performing your obligations under the Contract Documents and must be substantially complete within 45 consecutive calendar days.

Before Contractor may start any Work at the Site, Contractor must provide certificates of insurance required to be purchased and maintained in accordance with the Contract Documents.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Owner  
Given by:  
\_\_\_\_\_  
Authorized Signature  
\_\_\_\_\_  
Title  
\_\_\_\_\_  
Date

Copy to Engineer

## BONDS

## LABOR AND MATERIALS (PAYMENT) BOND

(NOTE: This Bond is issued simultaneously with the attached Performance Bond in favor of the City.)

KNOW ALL MEN BY THESE PRESENTS:

That we, \_\_\_\_\_

\_\_\_\_\_  
(an individual, a partnership, a corporation)

duly organized under the Laws of the State (or Commonwealth) of \_\_\_\_\_,

and having a usual place of business at \_\_\_\_\_,

as Principal, and \_\_\_\_\_, a corporation

duly organized under the Laws of the State (or Commonwealth) of \_\_\_\_\_,

and having a usual place of business at \_\_\_\_\_,

as Surety, are holding and stand firmly bound and obligated unto the City of Greenfield,

Massachusetts, as obligee, in the sum of \_\_\_\_\_,

lawful money of the United States of America to and for the true payment whereof we bind

ourselves and, each of us, our heirs, executors, administrators, successors, and assigns, jointly

and severally, firmly by these presents.

WHEREAS, the Principal, by means of a written AGREEMENT (which together with the Contract Documents in said AGREEMENT referred to are collectively sometimes referred to as the "Contract") dated \_\_\_\_\_.

Has entered into a contract with the said obligee for \_\_\_\_\_

\_\_\_\_\_  
a copy of which AGREEMENT is attached hereto and by reference made a part hereof.

NOW, THEREFORE, THE CONDITION of this obligation is such that if the Principal shall promptly make payments to all claimants as hereinafter defined, for all labor performed or furnished and for all materials and equipment furnished for or used or in connection with the Work called for by said AGREEMENT and/or Contract and any modifications thereof, including

lumber used, but not incorporated in said Work, and for the rental or hire of vehicles, tools and other appliances and equipment furnished for or used in connection with said Work, this obligation shall be void; otherwise it shall remain in full force and effect, subject, however, to the following conditions:

1. A claimant is defined as one having a direct contract with the Principal or with a subcontractor of the Principal for labor, materials, and/or equipment used or reasonably required for use in the performance of the said Work, labor and materials, being construed to include that part of water, gas, power, light, heat, oil, gasoline, telephone service or rental of equipment directly applicable to the said AGREEMENT and/or Contract and any modifications thereof.
2. The above named Principal and Surety hereby jointly and severally agree with the City that every claimant as herein defined, who has not been paid in full before the expiration of a period of ninety (90) days after the date on which the last of such claimant's work or labor was done or performed, or materials or equipment were furnished by such claimant, may sue on this bond for the use of such claimant, prosecute the suit to final judgment for such sum or sums as may be justly due claimant, and have execution thereon. The City shall not be liable for the payment of any costs or expenses of any such suit.
3. No suit or action shall be commenced hereunder by a claimant,
  - a. Unless claimant, other than one having a direct contract with the Principal, shall have given written notice to any two of the following: The Principal, the City or the Surety above named, within ninety (90) days after such claimant did or performed the last of the work or labor, or furnished the last of the materials or equipment for which said claim is made, stating with substantial accuracy the amount claimed and the name of the party to whom the materials or equipment were furnished, or for whom the work or labor was done or performed. Such notice shall be served by mailing the same by registered mail or certified mail, postage prepaid, in an envelope addressed to the Principal, City, or Surety at any place where an office is regularly maintained for the transaction of business, or served in the state in which the said Work is located, save that such service need not be made by a public officer;
  - b. After the expiration of one (1) year following the date on which the Principal ceased work on said AGREEMENT and/or Contract and any modifications thereof, it being understood, however, that if any limitation shall be deemed to be amended so as to be equal to the minimum period of limitation permitted by such law.
  - c. Other than in a state court of competent jurisdiction in and for the county or other political subdivision of the state in which the said Work, or any part thereof, is situated, or in the United States District Court for the district in which the said Work, or any part thereof, is situated, and not elsewhere.

4. The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payment by Surety of mechanics liens which may be filed of record against said AGREEMENT and/or Contract or said Work, whether or not claim for the amount of such lien be presented under and against this bond.

The Surety, for value received, agrees further that no changes in, omissions from, or alterations, modifications or additions to the terms and provisions of said AGREEMENT and/or Contract or the Work to be performed there under, and that no extensions of time given or changes made in the manner or time of making payments there under, shall in any way affect the Surety's obligations on this Bond, and the Surety hereby waives notice of any such changes, omissions, alterations, modifications, additions or extensions.

IN WITNESS WHEREOF, we have hereunto set our hands and seals to \_\_\_\_\_

counterparts of this Bond, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_

(NOTE: \_\_\_\_\_(Seal)  
Principal

If the Principal (Contractor) is a partnership, the Bond should be signed by each of the partners. \_\_\_\_\_(Seal)  
Principal

If the Principal (Contractor) is a corporation, the Bond should be signed in its corporate name by its duly authorized officer or officers. \_\_\_\_\_(Seal)  
Principal

If this Bond is signed on behalf of the Surety by an attorney-in-fact, there should be attached to it a duly certified copy of their power of attorney showing their authority to sign such Bonds. \_\_\_\_\_(Seal)  
Surety

There should be executed an appropriate number of counterparts of the Bond corresponding to the number of counterparts of the AGREEMENT.) \_\_\_\_\_(Seal)  
Surety

**Certificate of Acknowledgment of Contractor if a Corporation  
For CONTRACT BONDS**

State of \_\_\_\_\_ )

SS:

County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_ ,

Before me personally appeared \_\_\_\_\_

To me known, who being by me duly sworn, did depose and say as follows:

That he/she resides at \_\_\_\_\_

and is the \_\_\_\_\_

of \_\_\_\_\_

the corporation described in and which executed the foregoing instrument; that he/she knows the corporate seal of said corporation; that the seal affixed to the foregoing instrument is such corporate seal and it was so affixed y order of the Board of Directors of said corporation; and that by the like order he/she signed thereto his/her name and official designation.

\_\_\_\_\_  
Signature of Notary Public

(Seal)

\_\_\_\_\_  
Printed Typed Name of Notary Public

My commission expires: \_\_\_\_\_

# GENERAL CONDITIONS

## TITLE

- 1.1 Definitions
- 1.2 The Contract Documents
- 1.3 Obligation and Liability of Contractor
- 1.4 Supervision of Work
- 1.5 Patents
- 1.6 Compliance with Laws
- 1.7 Provisions Required by Law Deemed Inserted
- 1.8 Permits
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- 1.15 Access to Work
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- 1.24 Claims for Damages
- 1.25 Abandonment of Work or Other Default
- 1.26 Prices for Work
- 1.27 Monies May Be Retained
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- 1.31 Final Estimate and Payment
- 1.32 Liens
- 1.33 Claims
- 1.34 Application of Monies Retained
- 1.35 No Waiver
- 1.36 Liability of City
- 1.37 Guarantee
- 1.38 Retain Money for Repairs
- 1.39 Cleaning Up
- 1.40 Legal Address of Contractor
- 1.41 Modification of Termination

- 1.1 **Definitions.** Wherever the words hereinafter defined or pronouns used in their stead occur in the Contract Documents, they shall have the following meanings:

The word "Owner" shall mean the City of Greenfield.

The word "Contractor" shall mean the party of the second part above designated.

The word "Specifications" when used herein shall be deemed to refer to both the General and Detail Specifications.

The words "herein," "hereinafter," "hereunder," and words of like import shall be deemed to refer to the Contract Documents.

- 1.2 **The Contract Documents.** The AGREEMENT, the INFORMATION FOR BIDDERS, the Contractor's BID as accepted by the City, the SPECIAL CONDITIONS, the GENERAL CONDITIONS, the TECHNICAL SPECIFICATIONS, the DRAWINGS, and all ADDENDA and AMENDMENTS to any of the foregoing collectively constitute the Contract Documents, and are sometimes herein referred to as the "Contract."

The Contract Documents are complementary, and what is called for by anyone shall be as binding as if called for by all. In the event of any conflict or inconsistency between the provisions of the SPECIAL CONDITIONS and the provisions of any of the other Contract Documents, the provisions of the SPECIAL CONDITIONS shall prevail. In the event of conflict or inconsistency between the provisions of the GENERAL CONDITIONS and the provisions of the Contract Documents other than the SPECIAL CONDITIONS, the provisions of the GENERAL CONDITIONS shall prevail.

- 1.3 **Obligations and Liability of Contractor.** The Contractor shall do all work and perform and furnish all the labor, services, materials, equipment, plant, machinery, apparatus, appliances, tools, supplies and all other things (except as otherwise expressly provided herein) necessary and as herein specified for the proper performance and completion of the Work in the manner and within the time hereinafter specified, in strict accordance with the Drawings, Specifications and other Contract Documents, in conformity with the directions and to the satisfaction of the City, and at prices herein agreed upon therefor.

All parts of the Work and all fixtures, equipment, apparatus and other items indicated on the Drawings and not mentioned in the Specifications, or vice versa, and all work and material usual and necessary to make the work complete in all its parts, including all incidental work necessary to make it complete and satisfactory and ready for use and operation, whether or not they are indicated on the Drawings or mentioned in the Specifications, shall be furnished and executed the same as if they were called for both by the Drawings and by the Specifications.

The Contractor shall coordinate their operations with those of any other contractors who may be employed on other work of the City, shall avoid interference therewith, and shall cooperate in the arrangements for storage of materials and equipment.



The Contractor shall conduct their work so as to interfere as little as possible with private business and public travel. Wherever and whenever necessary or required, they shall maintain fences, furnish watchmen, maintain lights, and take such other precautions as may be necessary to protect life and property.

The Contractor shall indemnify and save harmless the City and its officers, agents, servants, and employees, from and against any and all claims, demands, suits, proceedings, liabilities, judgments, awards, losses, damages, cost and expenses, including attorneys' fees, on account of bodily injury, sickness, disease or death sustained by any person or persons or injury or damage to or destruction of any property, directly or indirectly arising out of, relating to or in connection with the Work, whether or not due or claimed to be due in whole or in part to the active, passive or concurrent negligence or fault of the Contractor, their officers, agents, servants or employees, any of their subcontractors, the City or any of its respective officers, agents, servants or employees and/or any other person or persons, and whether or not such claims, demands, suits or proceedings are just, unjust, groundless, false or fraudulent; and the Contractor shall and does hereby assume and agrees to pay for the defense of all such claims, demands, suit and proceedings.

The Contractor shall have complete responsibility for the Work and the protection thereof, and for preventing injuries to persons and damage to the Work and property and utilities on or about the Work, until final completion and final acceptance thereof. they shall, in no way, be relieved of their responsibility by any right of the City to give permission or directions relating to any part of the Work, by any such permission or directions given, or by failure of the City to give such permission or directions. The Contractor shall bear all costs, expenses, losses and damages on account of the quantity or character of the Work or the nature of the land (including but not limited to subsurface conditions) in or under or on which the Work is done being different from the indicated or shown in the Contract Documents or from what was estimated or expected, or on account of the weather, elements, or other causes.

The Contractor shall conduct their operations so as not to damage existing structures or work installed either by them or by other contractors. In case of any such damage resulting from their operations, they shall repair and make good as new the damaged portions at their own expense with the consent of the damaged party. In the event that consent is not given, the Contractor shall continue liable for the damage caused.

The Contractor shall be as fully responsible to the City for the acts and omissions of their subcontractors, their officers, agents, servants and employees as they is for their own acts and omissions and those of their own officers, agents, servants and employees.

Should the Contractor sustain any loss, damage or delay through any act or omission of any other contractor or any subcontractor of any such other contractor, the Contractor shall have no claim against the City therefore, other than for any extension of time, but shall have recourse solely to such other contractor or subcontractor.

If any other contractor or any subcontractor of any such other contractor shall suffer or claim to have suffered loss, damage or delay by reason of the acts or omissions of the

contractor or of any of their subcontractors, the Contractor agrees to assume the defense against any such claim and to reimburse such other contractor or subcontractor for such loss or damage. The Contractor agrees to and does hereby indemnify and save harmless the City from and against any and all claims by such other contractors or subcontractors alleging such loss, damage or delay and from and against any and all claims, demands, suits, proceedings, liabilities, judgments, awards, losses, damages, cost and expenses, including attorneys' fees, arising out of, relating to or resulting for such claims.

The Contractor shall promptly pay all federal, state and local taxes which may be assessed against them in connection with the Work or their operations under the Contract, including, but not limited to, taxes attributable to the purchase of material and equipment, to the performance of services, and the employment of persons in the prosecution of the Work.

- 1.4 **Supervision of Work.** The Contractor shall be solely responsible for supervision of the Work, shall give the Work the constant attention necessary to ensure the expeditious and orderly progress thereof, and shall cooperate with the City in every possible way.

At all times, the Contractor shall have as their agent on the Work a competent superintendent capable of reading and thoroughly understanding the Drawings and Specifications, with full authority to execute the directions of the City, without delay, and to supply promptly such labor, services, materials, equipment, plant, apparatus, appliances, tools, supplies and other items as may be required. Such superintendent shall not be removed from the Work without the prior written consent of the City. If, in the opinion of the City, the superintendent or any successor proves incompetent, the contractor shall replace them with another person approved by the City; such approval, however, shall, in no way, relieve or diminish the contractor's responsibility for supervision of Work.

Whenever the Contractor or their agent or superintendent is not present on any part of the Work where it may be necessary to give directions or instructions with respect to such work, such directions or instruction may be given by the City to, and shall be received and obeyed by the foreman or any other person in charge of the particular work involved.

- 1.5 **Patents.** The Contractor shall indemnify and save harmless the City and all persons acting for or on behalf of the City from all claims and liability of any nature or kind, and all damages, cost and expenses, including attorneys' fees arising from or occasioned by an infringement or alleged infringement of any patents or patent rights on any invention, process, material, equipment, article or apparatus, or any part thereof, furnished and installed by the contractor, or arising from or occasioned by the use or manufacture thereof, including their use by the City.
- 1.6 **Compliance with Laws.** The Contractor shall keep fully informed of all existing and future federal, state, and local laws, ordinances, rules, and regulations affecting those engaged or employed on the Work, the materials and equipment used in the Work or the conduct of the Work, and of all orders, decrees and other requirements of bodies or tribunals having any jurisdiction or authority over the same. If any discrepancy or inconsistency is discovered in the Drawings, Specifications or other Contract Documents in

relation to any such law, ordinance rule, regulation, order, decree, or other requirement, the Contractor shall forthwith report the same to the City in writing. The Contractor shall, at all times, observe and comply with, and cause all their agents, servants, employees and subcontractors to observe and comply with all such existing and future laws, ordinances, rules, regulations, orders, decrees and other requirements, and they shall protect, indemnify and save harmless the City, its officers, agents, servants and employees, from and against any and all claims, demands, suits, proceedings, liabilities, judgments, penalties, losses, damages, costs and expenses, including attorneys' fees, arising from or based upon any violation or claimed violation of any such law, ordinance, rule, regulation, order, decree or other requirement, whether committed by the Contractor or any of their agents, servants, employees or subcontractors.

- 1.7 **Provisions Required by Law Deemed Inserted.** Each and every provision of law and clause required by law to be inserted in the Contract shall be deemed to be inserted herein, and the Contract shall be read and enforced as though they were included herein. If through mistake or otherwise any such provision is not inserted, or is not correctly inserted, then upon the application of either party the Contract shall forthwith be physically amended to make such insertion.
- 1.8 **Permits.** The Contractor shall, at their own expense, take out and maintain all necessary permits from the county, municipal, or other public authorities; shall give all notices required by law; and shall post all bonds and pay all fees and charges incident to the due and lawful prosecution of the Work.
- 1.9 **Not to Sublet or Assign.** The Contractor shall constantly give their personal attention to the faithful prosecution of the Work, shall keep the same under their personal control, shall not assign the Contract or sublet the work or any part thereof without the previous written consent of the City, and shall not assign any of the monies payable under the Contract, or their claim thereto, unless by and with the like written consent of the City and the Surety on the Contract Bonds. Any assignment or subletting in violation hereof shall be void and unenforceable.
- 1.10 **Delays by City.** The City may delay the beginning of the Work or any part thereof if the necessary lands or rights of way for such work shall not have been obtained. The Contractor shall have no claim for additional compensation or damages on account of such delay, but shall be entitled only to an extension of time as hereinafter provided.
- 1.11 **Time for Completion.** The rate of progress shall be such that the Work shall be performed and completed in accordance with the Contract before the expiration of the time limit stipulated under INFORMATION FOR BIDDERS, except as otherwise expressly provided herein.

It is agreed that the rate of progress herein required has been purposely made low enough to allow for the ordinary and foreseeable delays incident to construction work of this character. No extension of time will be given for ordinary or foreseeable delays, inclement weather, or accidents and the occurrence of such will not relieve the Contractor from the

necessity of maintaining this rate of progress and completing the Work within the stipulated time limit.

If delays are caused by acts of God, acts of Government, unavoidable strikes, extra work, or other causes or contingencies clearly beyond the control or responsibility of the Contractor, the Contractor may be entitled to additional time to perform and complete the Work, be entitled to additional time to perform and complete the Work, provided that the Contractor shall, within ten (10) days from the beginning of such delay notify the City, in writing, of the cause and particulars of the delay. Upon receipt of such notification, the City shall review and evaluate the cause and extent of the delay. If, under the terms of the GENERAL CONDITIONS, the delays properly excusable, the City will, in writing, appropriately extend the time for completion of the Work. The Contractor agrees that they shall not have or assert any claim for nor shall they be entitled to any additional compensation or damages on account of such delays. The time in which the Work is to be performed and completed is of the essence of this Contract.

1.12 **Liquidated Damages.** In case the Contractor fails to complete the Work satisfactorily on or before the date of completion fixed herein or as duly extended as hereinbefore provided, the Contractor agrees that the City shall deduct from the payments due the Contractor each month, the sum set forth under the SPECIAL CONDITIONS for each calendar day of delay, which sum is agreed upon not as a penalty but as fixed and liquidated damages for each day of such delay. If the payments due the Contractor are less than the amount of such liquidated damages, said damages shall be deducted from any other monies due or to become due the Contractor, and, in case such damages shall exceed the amount of all monies due or to become due the Contractor, the Contractor or their Surety shall pay the balance to the Owner.

1.13 **Employ Sufficient Labor and Equipment.** If, in the sole judgment of the City, the Contractor is not employing sufficient labor, plant, equipment or other means to complete the Work within the time specified, the City may, after giving written notice, require the Contractor to employ such additional labor, plant, equipment and other means as the City deems necessary to enable the Work to progress properly.

1.14 **Intoxicating Liquors.** The Contractor shall not sell and shall neither permit nor suffer the introduction or use of intoxicating liquors upon or about the Work.

1.15 **Access to Work.** The City and its officers, agents, servants and employees may at any and all times and for any and all purposes, enter upon the Work and the site thereof and the premises used by the Contractor, and the Contractor shall at all times provide safe and proper facilities therefore.

1.16 **Examination and Inspection of Work.** The City shall be furnished by the Contractor with every reasonable facility for examining and inspecting the Work and for ascertaining that the Work is being performed in accordance with the requirements and intent of the Contract, even to the extent of requiring the uncovering or taking down portions of finished work by the Contractor.

Should the Work thus uncovered or taken down prove satisfactory, the cost of uncovering or taking down and the replacement thereof shall be considered as extra work unless the original work was done in violation of the Contract in point of time or in the absence of the Engineer or their inspector and without their written authorization, in which case said cost shall be borne by the Contractor. Should the work uncovered or taken down prove unsatisfactory, said cost shall likewise be borne by the Contractor.

Examination or inspection of the Work shall not relieve the Contractor of any of their obligations to perform and complete the Work as required by the Contract.

**1.17 Defective Work, Etc.** Until acceptance and during the applicable guarantee period thereafter, the Contractor shall promptly, without charge, repair, correct or replace work, equipment, materials, apparatus or parts thereof which are defective, damaged or unsuitable or which in any way fail to comply with or be in strict accordance with the provisions and requirements of the Contract or applicable guarantee and shall pay to the City all resulting costs, expenses, losses, or damages suffered by the City.

If any material, equipment, apparatus or other items brought upon the site for use or incorporation in the Work or selected for the same, is rejected by the City as unsuitable or not in conformity with the Specifications or any of the other contract Documents, the Contractor shall forthwith remove such materials, equipment, apparatus and other items from the site of the Work and shall at their own cost and expense make good and replace the same.

**1.18 Protection Against Water and Storm.** The Contractor shall take all precautions necessary to prevent damage to the Work by storms or by water entering the site of the Work directly or through the ground. In case of damage by storm or water, the Contractor shall at their own cost and expense make such repairs or replacements or rebuild such parts of the Work as the City may require in order that the finished Work may be completed as required by the Contract.

**1.19 Right to Materials.** Nothing in the Contract shall be construed as vesting in the Contractor any right of property in the materials, equipment, apparatus and other items furnished after they have been installed or incorporated in or attached or affixed to the Work or the site, but all such materials, equipment, apparatus and other items shall, upon being so installed, incorporated, attached or affixed, become the property of the City. Nothing in this subsection shall relieve the Contractor of their duty to protect and maintain all such materials, equipment, apparatus and other items.

**1.20 Changes.** The City may make changes in the Work and in the Drawings and Specifications by making alterations therein, additions thereto or omissions there from. All work resulting from such changes shall be performed and furnished under and pursuant to the terms and conditions of the Contract. If such changes result in an increase or decrease in the Work to be done hereunder, or increase or decrease the quantities thereof, adjustment in compensation shall be made therefor at the unit prices stipulated in the Contract for such work, except that if unit prices are not stipulated for such work, compensation for

additional or increased work shall be made as provided hereinafter under the subsection titled "Extra Work;" and for eliminated or decreased work the Contractor shall allow the owner a reasonable credit.

The Contractor agrees that they shall neither have nor assert any claim for or be entitled to any additional compensation for damages or for loss of anticipated profits on work that is eliminated.

**1.21 Extra Work.** The Contractor shall perform any extra work (work in connection with the Contract but not provided for herein) when and as ordered in writing by the City, at the unit prices stipulated in the Contract for such work or, if none are so stipulated, either (a) at the price agreed upon before such work is commenced and named in the written order for such work, or (b) if the City so elects, for the actual cost of such work, as determined by the Contractor and approved by the City, plus a percentage of such cost, as set forth below. No extra work shall be paid unless specifically ordered as such in writing by the City.

The cost of extra work done under (b) above shall include the actual cost to the Contractor of materials used and equipment installed, common and skilled labor, and foremen, and the fair rental of all machinery and equipment used on the extra work for the period of such use. At the request of the City, the Contractor shall furnish an itemized statement of the cost of the extra work ordered as above and give the City access to all records, accounts, bills and vouchers and correspondence relating thereto.

The Contractor may include in the cost of extra work the amounts of additional premiums, if any, (other than premiums on bonds) paid on the required insurance on account of such extra work, of Social Security or other direct assessments upon the Contractor's payroll by Federal or other properly authorized public agencies, and of other approved assessments when such assessments are not normally included in payments made by the Contractor directly to their employees, but in fact, are, and are customarily recognized as, part of the cost of doing work.

The fair rental for all machinery and equipment shall be based upon the most recent edition of "Compilation of Rental Rates for Construction Equipment," published by the Associated Equipment Distributors, or a similar publication approved by the City. Rental for machinery and equipment shall be based upon an appropriate fraction of the approved monthly rate schedule. If said extra work requires the use of machinery or equipment not already on the site of the Work, the cost of transportation, not exceeding a distance of 100 miles, of such machinery or equipment to and from the Work shall be added to the fair monthly rental; provided however, that this shall not apply to machinery or equipment already required to be furnished under the terms of the Contract.

The Contractor shall not include in the cost of extra work any cost or rental of small tools, building, or any portion of the time of the Contractor, their superintendent, or their office and engineering staff.

To the cost of extra work done by the Contractor's own forces under (b) above (determined as stated above), the Contractor shall add 15 percent (15%) to cover their overhead, use of capital, the premium on the Bonds as assessed upon the amount of this extra work, and profit.

In the case of extra work done under (b) above by a subcontractor, the subcontractor shall compute, as above, their cost for the extra work, to which they shall add 15 percent (15%) as in the case of the Contractor, and the Contractor shall be allowed an additional 15 percent (15%) of the subcontractor's cost for the extra work to cover the costs of the Contractor's overhead, use of capital, the premium on the Bonds as assessed upon the amount of this extra work, and profit. Said subcontractor's cost must be reasonable and approved by the City

If extra work is done under (b) above, the Contractor and/or subcontractor shall keep daily records of such extra work. The daily record of such extra work shall include the names of men employed, the nature of the work performed, and hours worked, materials and equipment incorporated, and machinery or equipment used, if any, in the prosecution of such extra work. This daily record, to constitute verification that the work was done, must be signed both by the Contractor's authorized representative and by the City. A separate daily record shall be submitted for each Extra Work Order.

- 1.22 Extension of Time on Account of Extra Work.** When extra work is ordered near the completion of the Contract or at any time during the progress of the Work, which unavoidably increases the time for the completion of the Work, an extension of time shall be granted as hereinbefore provided.
- 1.23 Changes Not to Affect Bonds.** It is distinctly agreed and understood that any changes made in the Work or the drawings or specifications therefore (whether such changes increase or decrease the amount thereof or the time require for its performance) or any changes in the manner or time of payments made by the City to the Contractor, or any other modifications of the Contract, shall in no way annul, release, diminish or affect the liability of the Surety on the CONTRACT BONDS given by the contractor, it being the intent hereof that notwithstanding such changes the liability of the Surety on said bonds continue and remain in full force and effect.
- 1.24 Claims for Damages.** If the Contractor makes claim for any damages alleged to have been sustained by breach of contract or otherwise, they shall, within ten (10) days after occurrence of the alleged breach or within ten (10) days after such damages are alleged to have been sustained, whichever date is the earlier, file with the City a written, itemized statement in triplicate of the alleged damages. The Contractor agrees that unless such statement is made and filed as so required, their claim for damages shall be deemed waived, invalid and unenforceable, and that they shall not be entitle to any compensation for any such alleged damages.
- 1.25 Abandonment of Work or Other Default.** If the Work shall be abandoned, or any part thereof shall be sublet without previous written consent of the City, or the Contract or any moneys payable hereunder shall be assigned otherwise than as herein specified, that the

conditions herein specified as to rate of progress are not being complied with, or that the Work or any part thereof is being violated or is in default under any of the provisions of the Contract, or if the Contractor becomes bankrupt or insolvent or goes or is put into liquidation or dissolution, either voluntarily or involuntarily, or petitions for an arrangement or reorganization under the Bankruptcy Act, or makes a general assignment for the benefit of creditors or otherwise acknowledges insolvency, the happening of any of which shall be and constitute a default under the Contract, the City may notify the Contractor in writing, with a copy of such notice mailed to the Surety, to discontinue such Work or such part thereof as the City may designate; and the City may, upon giving such notice by contract or otherwise as it may determine, complete the Work or such part thereof and charge the entire cost and expense of so completing the Work or such part thereof to the Contractor. In addition to the said entire cost and expense of completing the Work, the City shall be entitled to reimbursement from the Contractor and the Contractor agrees to pay to the City any losses, damages, costs and expenses, including attorneys' fees, sustained or incurred by the City by reason of any of the foregoing causes. For the purposes of such completion, the City may, for itself, or for any contractors employed by the City, take possession of and use or cause to be used any and all materials, equipment, plant, machinery, appliances, tools, supplies and such other items of every description that may be found or located at the site of the Work.

All costs, expenses, losses, damages, attorneys' fees and any and all other charges incurred by the City under this subsection shall be charged against the Contractor and deducted and/or paid by the City out of any moneys due or payable or to become due or payable under the Contract to the Contractor; in computing the amounts chargeable to the Contractor, the City shall not be held to a basis of the lowest prices for which the completion of the Work or any part thereof might have been accomplished, but all sums actually paid or obligated therefore to effect its prompt completion shall be charged to and against the account of the Contractor. In case the costs, expenses, losses, damages, attorneys' fees and other charges together with all payments therefore made to or for the account of the Contractor are less than the sum which would have been payable under the Contract if the Work had been properly performed and completed by the Contractor, the Contractor shall be entitled to receive the difference, and, in case such costs, expenses, losses, damages, attorneys' fees and other charges, together with all payments therefore made to or for the account of the Contractor, shall exceed the said sum, the Contractor shall pay the amount of the excess to the City.

**1.26 Prices For Work.** The City shall pay and the Contractor shall receive the prices stipulated in the BID made a part hereof as full compensation for everything performed and furnished and for all risks and obligations undertaken by the Contractor under and as required by the Contract.

**1.27 Monies May Be Retained.** The City may at any time refrain from any monies which would otherwise be payable hereunder so much thereof as the City may deem necessary to complete the Work hereunder and to reimburse it for all costs, expenses, losses, damages and damages chargeable to the Contractor hereunder.



1.28 **Formal Acceptance.** The Contract Documents constitute an entire contract for one whole and complete Work or result. Fixing of the date of completion and acceptance of the Work or a specified part thereof shall only be effective when accomplished by a writing specifically so stating and signed by the City.

1.29 **Progress Estimates.** Once a month, except as hereinafter provided, the City shall make an estimate in writing of the total amount and value of the work done to the first of the month by the Contractor. The City shall retain a percentage of such estimated value, as set forth under SPECIAL CONDITIONS, as part security for fulfillment of the Contract by the Contractor and shall deduct from the balance all previous payments made to the Contractor, all sums chargeable against the Contractor and all sums to be retained under the provisions of the Contract. The City shall pay monthly to the Contractor the balance not deducted and/or retained as aforesaid, except that payment may be withheld at any time, if in the judgment of the City, the work is not proceeding in accordance with the Contract. If the City deems it expedient to do so, it may cause estimates and payments to be made more frequently than once in each month. No progress estimate or payment need be made when in the judgment of the City, the total value of the work done since the last estimate amounts to less than the amount set forth under SPECIAL CONDITIONS.

Estimates of lump-sum items shall be based on a schedule dividing each such item into its appropriate component part, together with a quantity and a unit price for each part so that the sum of the products of prices and quantities will equal the Contract price for the item. This schedule shall be submitted by the Contractor for and must have the approval of the City before the first estimate becomes due.

If the City determines that the progress of the Work will be benefited by the delivery to the site of certain materials and equipment, when available, in advance of actual requirement therefore and if such materials and equipment are delivered and properly stored and protected, the cost to the contractor or subcontractor as established by invoices or other suitable vouchers satisfactory to the City, less the retained percentages as above provided, may be included in the progress estimates; provided always that there be duly executed and delivered by the contractor to the City at the same time a Bill of Sale in form satisfactory to the City, transferring and assigning to the City full ownership and title to such materials or equipment.

1.30 **Partial Acceptance.** The City may, at any time, in a written order to the contractor (1) declare that they intend to use a specified part of the Work which, in their opinion, is sufficiently complete, in accordance with the Contract Documents, to permit its use; (2) enclose a tentative list of items remaining to be completed or corrected, and (3) fix the date of acceptance of that specified part of the Work.

Within forty-five (45) days after acceptance under this subsection, the City shall make an estimate, in writing, of the amount and value of the part of the Work, so accepted and shall pay said amount to the Contractor after deducting all previous payments, all charges against the Contractor as provided for hereunder, and all amounts to be retained under the

provisions of the Contract, said payment to be made at the time of the next monthly progress estimate.

Acceptance by the City under this subsection shall not relieve the Contractor of any obligations under the Contract Documents except to the extent agreed upon in writing between the City and the Contractor.

The City shall have the right to exclude the Contractor from any part of the Work which has been accepted, but the City will allow the Contractor reasonable access thereto to complete or correct items on the tentative lists.

**1.31 Final Estimate and Payment.** As soon as practicable (but not more than sixty- five (65) days) after final completion of the Work, the City shall make a final estimate, in writing, of the quantity of Work done under the Contract and the amount earned by the Contractor.

The City shall pay to the Contractor the entire amount found to be earned and due hereunder after deducting there from all previous payments, all charges against the Contractor as provided for hereunder, and all amounts to be retained under the provisions of the Contract. Except as in this subsection otherwise provided such payment shall be made not later than fifteen (15) days after, but in no event before, the expiration of the time within which claims for labor performed or materials or equipment furnished must be filed under the applicable Lien Law, or, if such time is not specified by law, the expiration of thirty (30) days after the completion of the Engineer's final estimate.

All quantities shown on progress estimates and all prior payments shall be subject to correction in the final estimate and payment.

**1.32 Liens.** If, at any time, any notices of lien are filed for labor performed or materials or equipment manufactured, furnished, or delivered to or for the Work, the Contractor shall, at its own cost and expense, promptly discharge, remove or otherwise dispose of the same, and until such discharge, removal or disposition, the City shall have the right to retain from any moneys payable hereunder an amount which, in its sole judgment, it deems necessary to satisfy such liens and pay the costs and expenses, including attorneys' fees, of defending any actions brought to enforce the same, or incurred in connection therewith or by reason thereof.

**1.33 Claims.** If, at any time, there be any evidence of any claims for which the Contractor is or may be liable or responsible hereunder, the Contractor shall promptly settle or otherwise dispose of the same, and until such claims are settled or disposed of, the City may retain from any moneys which would otherwise be payable hereunder so much thereof as, in its sole judgment, it may deem necessary to settle or otherwise dispose of such claims and to pay the costs and expenses, including attorneys' fees, of defending any actions brought to enforce such claims, or incurred in connection therewith or be reason thereof.

**1.34 Application of Monies Retained.** The City may apply any moneys retained hereunder to reimburse itself for any and all costs, expenses, losses, damage and damages liabilities,

suits, judgments and awards incurred, suffered or sustained by the City and chargeable to the Contractor hereunder or as determined hereunder.

- 1.35 **No Waiver.** Neither the inspection by the City, nor any order, measurement, approval, determination, decision of certificate by the City for the payment of money; nor any payment for or use, occupancy, possession or acceptance of the whole or any part of the Work by the City, nor any extension of time, nor any other act or omission of the City shall constitute or be deemed to be an acceptance of any defective or improper work, materials, or equipment nor operate as a waiver of any requirement or provision of the Contract, nor of any remedy, power or right of or herein reserved to the City, nor of any right to damages for breach of contract. Any and all rights and/or remedies provided for in the Contract are intended and shall be construed to be cumulative; and, in addition to each and every other right and remedy provided for herein or by law, the City shall be entitled as of right to a writ of injunction against any breach or threatened breach of the Contract by the Contractor, by their subcontractors or by any other person or persons.
- 1.36 **Liability of City.** No person, firm or corporation, other than the Contractor who signed this Contract as such, shall have any interest herein or right hereunder. No claim shall be made or be valid either against the City or any agent of the City and neither the City nor any agent of the City shall be liable for or be held to any money, except as herein provided. The acceptance by the Contractor of the payment as fixed in the final estimate shall operate as and shall be a full and complete release of the City and of every agent of the City of and from any and all claims, demands, damages and liabilities of, by or to the Contractor for anything done or furnished for or arising out of or relating to or by reason of the Work or on account of any act or neglect of the City or of any agent of the City or of any other person, arising out of, relating to or by reason of the Work, except the claim against the City for the unpaid balance, if any there be, of the amounts retained as herein provided.
- 1.37 **Guarantee.** The Contractor guarantees that the Work and services to be performed under the Contract, and all workmanship, materials and equipment performed, furnished, used or installed in the construction of the same, shall be free from defects and flaws, and shall be performed and furnished in strict accordance with the Drawings, Specifications, and other Contract Documents, that the strength of all parts of all manufactured equipment shall be adequate and as specified and that the performance test requirements of the Contract shall be fulfilled. This guarantee shall be for a period of one year from and after the date of completion and acceptance of the Work as stated in the final estimate. If part of the Work is accepted in accordance with that subsection titled "Partial Acceptance," the guarantee for that part of the Work shall be for a period of one year from the date fixed for such acceptance.
- 1.38 **Retain Money for Repairs.** The City may retain out of the moneys otherwise payable to the Contractor hereunder a percentage of the amount thereof as set forth under SPECIAL CONDITIONS, and may expend the same, in the manner hereinafter provided in making such repairs, corrections or replacements in the Work as the City, in its sole judgment, may deem necessary.

If, at any time within the said period of guarantee, any part of the Work requires repairing, correction or replacement, the City may notify the Contractor in writing to make the required repairs, correction replacements. If the Contractor neglects to commence making such repairs, correction, or replacements to the satisfaction of the City within three (3) days from the date of receipt of such notice, or having commenced fails to prosecute such work with diligence, the City may employ other persons to make the same. The City shall pay the cost and expense of the same out of the amounts retained for that purpose. Upon the expiration of the said period of guarantee, provided that the Work at that time is in good order the Contractor will be entitled to receive the whole or such part of the sum last aforesaid, if any, as may remain after the cost and expense of making said repairs, correction or replacements, in the manner aforesaid, have been paid there from.

1.39 **Cleaning Up.** The Contractor, at all times, shall keep the site of the Work free from rubbish and debris caused by their operations under the contract. When the Work has been completed, the Contractor shall remove from the site of the Work all of their plant, machinery, tools, construction equipment, temporary work and surplus materials so as to leave the Work and the site clean and ready for use.

1.40 **Legal Address of Contractor.** The Contractor's business address and their office at or near the site of the work are both hereby designated at places to which communications in a postpaid wrapper directed to the contractor's business address in a post office box regularly maintained by the Post Office Department or the delivery at either designated address of any letter, notice, or other communication by mail or otherwise shall be deemed sufficient service thereof upon the contractor, and the date of such service shall be the date of receipt. The first-named address may be changed at any time by an instrument, in writing, executed and acknowledged by the contractor and delivered to the City. Service of any notice, letter or other communication upon the contractor personally shall likewise be deemed sufficient service.

1.41 **Modification or Termination.** Except as otherwise expressly provided herein, the contract may not be modified or terminated except in writing signed by the parties hereto. The cost of the preparation of bid documents is considered a part of the cost of doing business and as such will not be reimbursed, regardless of circumstances.

## SPECIAL CONDITIONS

## SPECIAL CONDITIONS

- 1.1 Construction Warning Signs
- 1.2 Traffic Control
- 1.3 Access to Property
- 1.4 Conflict or Inconsistency
- 1.5 Percentage of Progress Payments to be Retained
- 1.6 Liquidated Damages
- 1.7 Waste Reduction/Energy Efficiency

1.1 **Construction Warning Signs.** All construction warning signs shall be erected in accordance with the Manual on Uniform Traffic Control Devices for Streets and Highways. All construction warning signs shall be erected and maintained by the Contractor at their own expense.

1.2 **Traffic Control.** For control of moderate traffic, the Contractor shall provide an adequate number of flagmen employed at their own expense.

Whenever and wherever, in the opinion of the Engineer, traffic is sufficiently congested or public safety is endangered, the Owner will furnish uniformed special officers to direct traffic and to keep traffic off the highway area affected by construction operations. Such officers shall be in addition to the watchmen, required under other provisions of the contract.

The employment or presence of traffic flagmen, special officers, or police shall, in no way, relieve the Contractor of any responsibility or liability, which is their under the terms of the Contract.

1.3 **Access to Property.** The Contractor shall maintain access to all properties whether over sidewalks or driveways through the use of ramps, bridges, or steel plating. Bridging is required for all properties where handicap accessibility must be maintained.

Temporary handicap ramps shall be constructed according to the Commonwealth of Massachusetts Architectural Barrier Board Regulations 521 CMR.

1.4 **Conflict or Inconsistency.** If there be any conflict or inconsistency between the provisions of the SPECIAL CONDITIONS and the provisions of the other Contract Documents, the provision of the SPECIAL CONDITIONS shall prevail. If there be any conflict or inconsistency between the provisions of the AGREEMENT and the provisions of any of the Contract Documents other than the SPECIAL CONDITIONS, the provisions of the AGREEMENT shall prevail.

1.5 **Percentage of Progress Payments to be Retained.** The percentage of value to be retained under that Subsection of the GENERAL CONDITIONS, entitled "Progress Payments", shall be 5 percent.

1.6 **Liquidated Damages.** The Contractor and Owner recognize that time is of the essence and that the Owner will suffer financial loss if the Work is not completed within the times specified. The parties also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by the Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, the Owner and Contractor agree that as liquidated damages for delay (but not as a penalty), the Contractor shall pay the Owner \$1000 for each day that expires after the time specified.

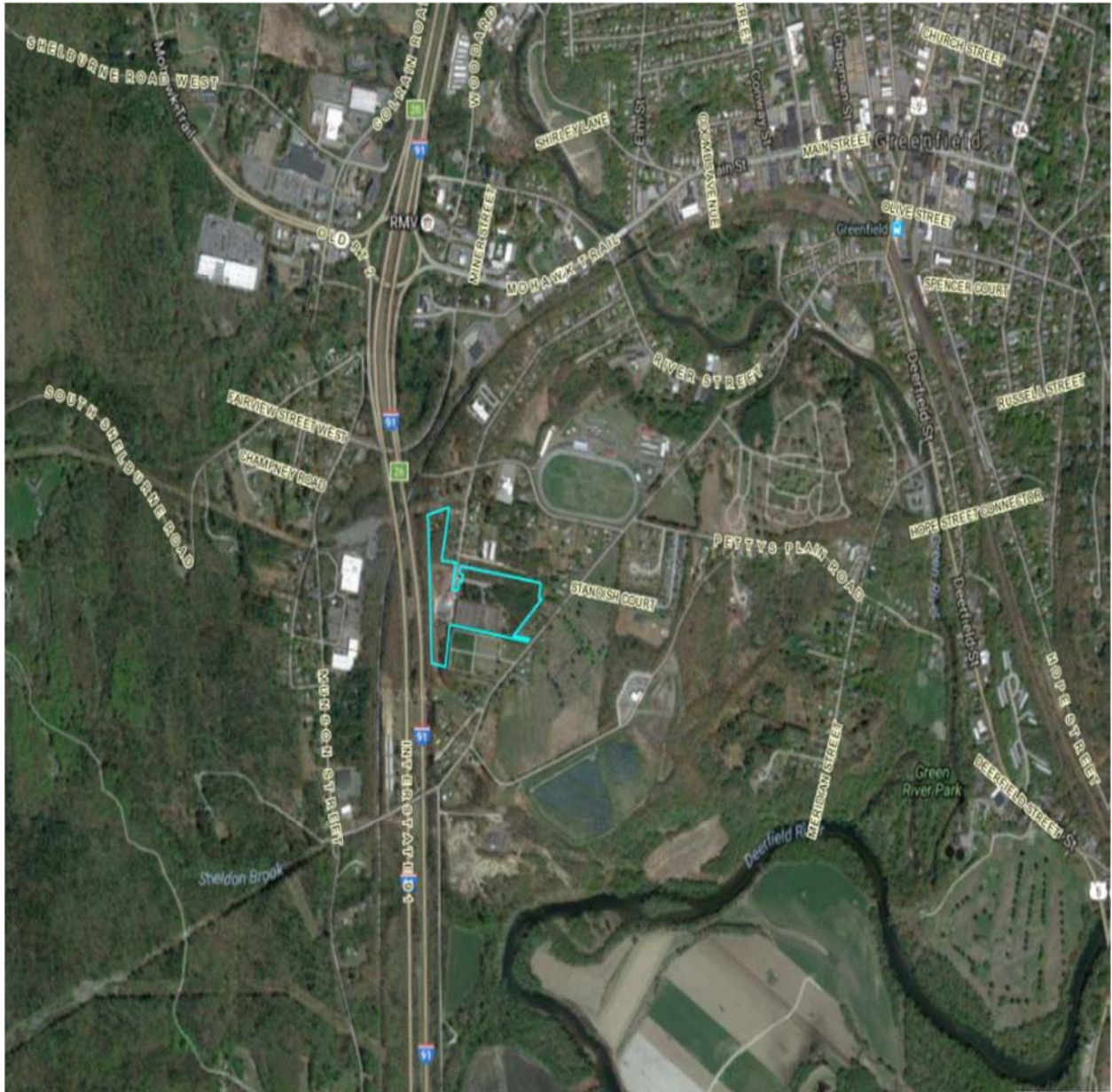
1.7 **Waste Reduction/Energy Efficiency.** The City of Greenfield has a commitment to resource and energy conservation and the pursuit of renewable energy options. Greenfield was one of the first communities in the Commonwealth to be designated a “Green Community”. As part of this contract, the Contractor will provide a plan to reduce waste and conserve energy. This written plan will be provided as part of the contract.

# **APPENDIX A**

## **ARIEL SITE PHOTOS**



## APPENDIX A - AERIAL SITE PHOTOS





**APPENDIX B**  
**ASSESSOR'S CARD**



# Property Record Card

Card 1 of 1

## 180 LAUREL ST

ID: R41-2-0 Book / Page: 5505-274



Owner: GREENFIELD TOWN OF  
Co-Owner:  
Mailing Address: 14 COURT SQUARE  
GREENFIELD MA 01301

Assessment: Total: 916700  
Building: 540900, Land: 346800, Yard Items: 29000

### Sales History

Grantor	Legal Reference	Sale Date	Sale Price
REPAL INC.	5558-342	4/23/2009	0
S L FINANCIAL OF ILL, LLC.	5505-274	11/29/2012	0
BESLY PRODUCTS CORPORATIO	3351/288	8/1/1998	700000
ALLIED	1813/288	4/14/1987	800000



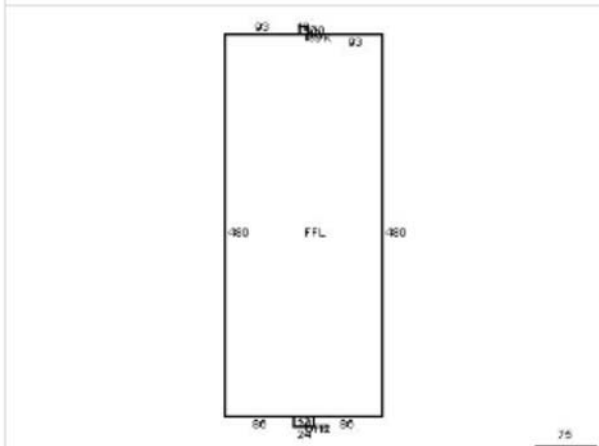
MainStreetGIS, LLC  
[www.mainstreetgis.com](http://www.mainstreetgis.com)

### Land Information

Land Area: 17.3 AC / 753719 SQ FT Zoning: GENERAL IND  
Land Use: 903 - MUNICPL  
Neighborhood: IF - IND FR

### Building Information

Units:  
Year Built: 1951  
Style: INDUSTRIAL  
Rooms: 0  
Bedrooms: 0  
Baths: 0  
Half Baths: 4  
Stories: 1  
Heat Fuel: GAS  
Heat Type: UNIT HTRS  
Roof Structure: FLAT  
Roof Covering: TAR+GRAVEL  
Kitchens: 0  
Fireplaces: 0



### Extra Feat. / Yard Items

Type	Area	Assessment
GARAGE	28x28	16500
PAVING	30000	12500
FENCE-6	100	200

### Sub Areas

Type	Area
1ST FLOOR	94080
OPEN PORCH	288
WOOD DECK	100

Data last updated: - Printed from: <http://www.mainstreetmaps.com/ma/greenfield/>

# **APPENDIX C**

## **SECTION 020800 - ASBESTOS DEMOLITION & DISPOSAL**

**SECTION 020800**  
**ASBESTOS DEMOLITION AND DISPOSAL**

PART I - GENERAL

1.01 GENERAL PROVISIONS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division I Specification Sections, apply to this Section.

1.02 DEFINITIONS

- A. The following definitions shall be applicable to this Section:

*“Site”*: Refers to 180 Laurel Street (Former Bendix Property) located in Greenfield, Massachusetts as described by the Contract Documents and Drawings.

*“Owner”*: Refers to the City of Greenfield and their designated, authorized personnel.

*“Consultant”*: Refers to ATC Group Services LLC (ATC), 73 William Franks Drive, West Springfield, Massachusetts and their designated, authorized personnel.

*“Demolition Contractor”*: Refers to the Contractor who has been awarded the overall contract for demolition and disposal of the site building as referenced under this Section.

1.03 GENERAL REQUIREMENTS/QUALIFICATIONS

- A. All Asbestos Demolition and Disposal work referenced herein shall be performed by a Massachusetts licensed Asbestos Abatement Contractor in accordance with Massachusetts Department of Labor and Standards (DLS) 453 CMR 6.0 Regulations.
1. The Demolition Contractor shall provide the project name, contact person and phone number of three (3) projects which were successfully completed of similar size and scope within the last five (5) years.
  2. Each project shall have been completed in good standing and the work performed resulted in no work violations/citations, contract delays, contract extensions/disputes or litigation.
  3. Upon review of the project references, the Owner shall reserve their right to reject the Demolition Contractor for any reason, if found to be in the best interest of the Owner.

1.04 SITE BACKGROUND

- A. The building in question was a former machine tool factory owned by Beesly Cutting Tools and later acquired by the Bendix Corporation. It is a steel frame building with concrete and brick veneer walls. The roof is flat tar and gravel. The size is 94,080 square feet.
- B. The overall scope for demolition under the Contract includes removal and disposal of the building structure, concrete slab, below grades vaults and associated site work.

C. Note that a limited asbestos survey was completed for the site and asbestos-containing materials (ACM) were determined to be present in the following materials:

- Floor Tile
- HVAC Duct Sealant
- Sheetrock and Joint Compound
- Pipe Insulation and Debris
- Boiler Units
- Pin Adhesive/Mastic on Ductwork
- Transite Board
- Valve Gaskets
- Caulking at Expansion Joints
- Window Caulking
- Window Glazing Compound
- Door Caulking
- Vent Caulking
- Seam Caulking at Metal Panels
- Roofing Materials

Traditional asbestos abatement cannot be completed for removal of these materials due to the current structural condition of the building and safety issues. Therefore, the entire structure is to be considered asbestos-containing and demolished and disposed of as specified herein. This shall include the entire above grade structure and associated materials as well as below grade components located in the two (2) vaults. The existing concrete slab, once cleaned, shall be demolished and disposed of off-site as regular construction debris.

D. **Non-Traditional Asbestos Abatement Work Plan (NTWP):** A NTWP will be submitted by the Owner to the Massachusetts Department of Environmental Protection (MassDEP) for demolition and disposal of the site building as asbestos waste. The provisions of the NTWP have been included herein and shall become part of the work of the Contract. **Refer to Attachment A.**

#### 1.05 DESCRIPTION OF WORK

- A. The Demolition Contractor shall be responsible for verifying existing conditions and all quantity estimates in preparation of their bids. No additional compensation and/or contract time shall be granted to the Demolition Contractor for failure to perform this requirement.
- B. This section details all areas where asbestos demolition and disposal work is to be performed and lists areas requiring special protection during the work. The Demolition Contractor shall furnish all labor, materials, services, training, insurance, and equipment as needed to complete the work as specified under the NTWP for the site.
- C. All work associated with demolition, loading and disposal of the site building shall be performed in accordance with the provisions/requirements of this Section as well as the NTWP found under Attachment A.

- D. The Consultant (acting on behalf of the Owner) has authorization to stop the work if the Demolition Contractor is not complying with **ALL** provisions outlined by the NTWP. Furthermore, if the MassDEP revokes the approval due to the Demolition Contractors actions, the Demolition Contractor shall bear **ALL** costs with completing the work regardless of the means or methods required by traditional abatement methods or enforcement actions specified by the MassDEP.
  
- E. Lead-Containing Paint - The Demolition Contractor shall be made aware that lead-containing paint is assumed to be present on architectural/structural components located throughout the interior and exterior of the site building. The Contractor and all subcontractors shall be required to comply with all aspects of the Occupational Safety and Health Administration (OSHA) 29 CFR 1926.62 “Lead in Construction Regulations” with regards to disturbance of these materials when performing their work. Any testing to confirm the presence of lead-containing paint and/or testing required for disposal acceptance shall be the responsibility of the Demolition Contractor under the Contract.
  
- F. Light Ballast, Mercury Containing Lamps, Miscellaneous Drums, Universal Solid Waste Waste - The Demolition Contractor shall be required to manually remove and segregate for disposal all such items encountered during the demolition and loading operations. The Contractor shall anticipate providing laborers to remove from the building or “hand-pick” such items from the demolition debris pile in order to segregate them for proper disposal. In addition, all such items shall be properly decontaminated of asbestos by wet-wiping and HEPA vacuuming prior to disposal. Once decontaminated, all materials shall be disposed of in accordance with this Section and local, state and federal regulations. The Contractor shall coordinate with the Owner’s Consultant for inspection and approval during all phases of the work.

#### 1.06 SUBMITTALS

- A. In addition to items required by other sections of the Project Manual, the following submittals are required for review and approval by the Consultant before the Pre-Construction Meeting:
  - 1. Copy of the Contractors Asbestos Abatement License
  - 2. Copies of notifications
  - 3. Chain-Of-Command list of all personnel on-site and emergency contact person(s)
  - 4. Name of proposed waste hauler and proposed waste disposal site. A copy of the Waste Shipment Record to be used shall also be provided.
  
- B. In addition to the items required by other sections of the Project Manual, the following submittals are required for final payment
  - 1. Copy of all Waste Shipment Records



1.07 DISPOSAL

- A. Packaging: All demolition debris is considered asbestos-containing waste material (ACWM). All ACWM shall be packaged in accordance with the procedures outlined under the NTWP. All ACWM shall be removed from the building footprint area and placed directly into lined roll-offs and/or dump vehicles. No ACWM shall be allowed to be removed from the building slab and stockpiled on the ground.
- B. All containerized waste shall be shipped from the site directly to the approved waste disposal facility. Containerized waste shall **NOT** be transferred back to the Demolition Contractor's yard/facility.

**Note: All ACM waste shall be "live loaded" and shipped to the disposal site daily when generated. Any waste generated from demolition of the structure that cannot be loaded for off-site disposal that day, shall remain on the building slab be covered with 6 mil polyethylene sheeting that is secured properly.**

- C. OSHA/EPA labeling: Asbestos warning labels having permanent adhesive and waterproof print, or being permanently printed on the roll-offs and/or dump vehicles, shall be affixed to the outside of all asbestos containers. Labels will be conspicuous and legible and shall contain the following warning:

DANGER  
CONTAINS ASBESTOS FIBERS  
AVOID CREATING DUST  
CANCER AND LUNG DISEASE HAZARD

- D. DOT labeling and marking: A DOT "class 9" shipping label and DOT mark shall be applied to or be printed on each roll-off and/or dump trailer.
- E. Waste Transportation: All ACWM shall be transported in totally enclosed vehicles or containers that are designed, constructed, and operated to prevent spills, leaks or emissions. All ACWM waste shall be transported in compliance with 40 CFR Part 61 and applicable Department of Transportation (DOT), OSHA and local regulations. Each vehicle transporting asbestos-containing waste shall be marked with asbestos danger signs during loading and unloading of the waste, in accordance with the NESHAP, 40 CFR 61.150.
- F. Asbestos waste shipment records: The Demolition Contractor shall prepare the waste shipment records for disposal of the ACWM. **All ACWM waste to be disposed of from the site shall be shipped on an approved "Asbestos Waste Shipment Record". A representative from the Owner shall sign-off as "Generator" on the Asbestos Waste Shipment Record for each shipment leaving the site.**
- G. The following information shall be included on the waste shipment record for each and every load of ACWM transported off-site:
  - 1. The name, address and telephone number of the owner/operator of the facility or dumping ground where asbestos abatement activities have occurred;

2. The quantity and type (friable or non-friable) of the ACWM in cubic meters (cubic yards) and a description of the container used for shipment;
3. The name, address and telephone number of the person who conducted any asbestos abatement activity;
4. The name and telephone number of the disposal site operator;
5. The name and physical location of the disposal site;
6. The date transported;
7. The name, address, and telephone number of the transporter(s);
8. Certification by the owner/operator of the facility or dumping ground where asbestos abatement activities have occurred/where asbestos waste was generated that the contents of each shipment have been characterized, packaged, marked and labeled in accordance with 310 CMR 7.15;
9. Signature of each transporter confirming the contents of each shipment are in all respects in the proper condition for transport according to applicable international, federal, state and local regulations;
10. Signature by the receiving disposal facility confirming that: i) the quantity of ACWM listed on the waste shipment record is the same as the quantity accepted for disposal; and ii) it holds appropriate permits and/or authorizations to accept for disposal ACWM described on waste shipment records.

**Note: The final waste shipment records (with signature of acceptance at the landfill) for disposal of ACM from the project site shall be received by the Owner within 30 days of shipment from the site.**

#### 1.08 QUALITY CONTROL AND AIR TESTING

- A. The Consultant shall perform daily perimeter and personal air monitoring during all phases of the demolition and loading operations as per the requirements of the NTWP. The work shall be subject to daily clearance criteria as specified therein.
- B. Following the completion of the asbestos demolition, bulk loading and clean-up operations, a visual inspection shall be performed jointly by the Demolition Contractors site supervisor and the Consultant, to ensure that no remnant asbestos, asbestos waste or asbestos contaminated water remains within the lot line, building slab/foundation or loading areas.
- C. The Consultant and site supervisor shall sign a "Certificate of Visual Inspection" specifying the Site has met acceptable visual inspection criteria and reveal no visible or suspect asbestos or other remnant debris or wastes generated during the asbestos demolition, bulk loading and clean-up operations.

**ATTACHMENT A**

**NON-TRADITIONAL ASBESTOS WORK PLAN (NTWP)**



# Massachusetts Department of Environmental Protection Bureau of Waste Prevention

## BWP AQ 36 Application for Non-Traditional Asbestos Abatement Work Practice Approval

### A. Work Site Information

#### Facility

Former Bendix Property

Facility Name or Site Description

180 Laurel Street

Facility Address

Greenfield

City/Town

MA

State

01301

ZIP Code

#### Owner

City of Greenfield

Owner Name

City Hall, 14 Court Square

Owner Address

Greenfield

City/Town

MA

State

01301

ZIP Code

413-772-1569

Telephone Number

audrey.labonte@greenfield-ma.gov

Email Address

**Applicant** -  Check here if same as Owner and skip to next section. Otherwise, complete fields below.

ATC Group Services LLC

Applicant Name

73 William Franks Drive

Applicant Address

West Springfield

City/Town

MA

State

01089

ZIP Code

413-664-6687

Telephone Number

derrick.wissman@atcassociates.com

Email Address

### B. Project Information

#### Asbestos Abatement Project Designer

Derrick Wissman

Name

AD 072630

Department of Labor Standards (DLS) Project Designer Cert. Number

73 William Frnaks Drive

Address

West Springfield

City/Town

MA

State

01089

ZIP Code

413-664-6687

Telephone Number

derrick.wissman@cardno.com

Email Address

#### Asbestos Abatement Contractor

To Be Determined - Job Being Publicly Bid

Contractor Name

Department of Labor Standards (DLS) Contractor License Number

Address

City/Town

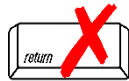
State

ZIP Code

Telephone Number

Email Address

**Important:**  
When completing forms on a computer, use only the tab key to move your cursor - do not use the return key.





# Massachusetts Department of Environmental Protection Bureau of Waste Prevention

## BWP AQ 36 Application for Non-Traditional Asbestos Abatement Work Practice Approval

### B. Project Information (continued)

**Demolition Contractor** (If Applicable)

To Be Determined - Job Being Publicly Bid  
Contractor Name

Address

City/Town

State

ZIP Code

Telephone Number

Email Address

**Circumstances** – Check the appropriate box(es) to indicate why a Non-Traditional Asbestos Abatement Work Practice Approval is needed.

- Facility is being demolished under a state or local government order because it is structurally unsound and in danger of imminent collapse. (Please attach a copy of the order to your work plan proposal.)
- Asbestos Containing Material (ACM) or Asbestos Containing Waste Material (ACWM) was not accessible for testing, therefore not discovered until after demolition began and, as a result of the demolition, cannot be safely removed.
- Abatement activity is being conducted as part of an emergency renovation operation.
- Asbestos abatement activity is being conducted to clean up and decontaminate a facility or portion of a facility where:
  - Previous asbestos abatement activities were not conducted in compliance with 310 CMR 7.15, or
  - ACM deterioration, if not immediately attended to, would present a safety or public health hazard.
- Wetting during a facility renovation would unavoidably damage equipment or present a safety hazard.
- The project requires bulk loading of ACM and/or ACWM.

List the requirements of 310 CMR 7.15 that you are unable to comply with and explain why:

310 CMR 7.15 (5); 310 CMR 7.15 (7)(c); 310 CMR 7.15 (7)(e); 310 CMR (7)(f)3; 310 CMR 7.15(15)(b); & 310 CMR 7.15(16)(b).

### Other Project Details

Project Start Date: To Be Determined  
MM/DD/YYYY

Project End Date: To Be Determined  
MM/DD/YYYY

Types & Amounts of ACM and/or ACWM Requiring Non-Traditional Asbestos Abatement Work Practice(s):

Friable 10,000  
Quantity in Cubic Meters (Cubic Yards)

Non-Friable \_\_\_\_\_  
Quantity in Cubic Meters (Cubic Yards)

Location(s) of ACM in the Facility:

Throughout Structure. All demolition debris to be considered asbestos containing and disposed as ACWM.



# Massachusetts Department of Environmental Protection Bureau of Waste Prevention

## BWP AQ 36 Application for Non-Traditional Asbestos Abatement Work Practice Approval

### C. Certification

"I certify that I have personally examined the foregoing and am familiar with the information contained in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including possible fines and imprisonment. I am aware that this permit application or notification shall not be deemed valid unless payment of the applicable fee is made."

Signature

Derrick Wissman

Printed Name

Senior Project Manager

Title

08-30-16

Date (MM/DD/YYYY)

### D. Submission of Application

**Note:**  
MassDEP review will begin only after your submissions have been received at both locations.

#### STEP 1: Submit Fee Payment

Send the materials below to this address:

MassDEP  
P.O. Box 4062  
Boston, MA 02211

- A copy of this completed and signed form.
- Fee payment of \$600\* (check or money order payable to "Commonwealth of Massachusetts").

\*The following entities are exempt from this fee:

- Cities, towns, counties or districts of the Commonwealth
- Federally recognized Indian tribe housing authorities
- Municipal housing authorities
- The Massachusetts Bay Transportation Authority (MBTA)

Is this a fee-exempt project?  Yes  No

NOTE: Entities that are exempt from the fee must still submit a copy of this completed and signed form, without payment, to the P.O. box above.

#### STEP 2: Submit Application

Send the following materials to the appropriate MassDEP Regional Office\*, Attention: Asbestos Section:

- This original completed and signed form.
- A copy of the check or money order from Step 1.
- Your proposed work plan, describing work practices, duration and schedule. The proposal must:
  - Include signature of the Asbestos Project Designer who prepared it.
  - Demonstrate that the deviations from 310 CMR 7.15 and alternatives proposed will not cause any visible emissions to the outside air or pose significant risk to public health, safety or the environment.
- All supporting documentation.

\*Find the MassDEP Regional Office for the community where this work will be done:

<http://www.mass.gov/eea/agencies/massdep/about/contacts/>



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73 William Franks Drive  
West Springfield, MA 01089  
Telephone 413-781-0070  
Fax 413-781-3734  
[www.atcgroupservices.com](http://www.atcgroupservices.com)

August 30, 2017

**Mr. Ben Fish**

Massachusetts Department of Environmental Protection (DEP)  
Bureau of Waste Site Cleanup  
Western Region  
436 Dwight Street  
Springfield, MA 01103

RE: Non Traditional Asbestos Abatement Work Plan  
Former Bendix Site Demolition  
180 Laurel Street  
Greenfield, Massachusetts

Dear Mr. Fish:

On behalf of the City of Greenfield, ATC Group Services, LLC (ATC) is submitting for MassDEP's review and approval of the following Non-Traditional Asbestos Abatement Work Plan (NTWP) for demolition and disposal of the Former Bendix Site which is located at 180 Laurel Street in Greenfield, Massachusetts. The following proposed NTWP incorporates work practices and engineering controls to be implemented during the work.

**Background:**

180 Laurel Street was a former machine tool factory owned by Beesly Cutting Tools which was later acquired by the Bendix Corporation. It is a steel frame building with concrete and brick veneer walls. The roof is flat tar and gravel. The size is 94,080 square feet.

A limited asbestos survey was completed for the site and asbestos-containing materials (ACM) were determined to be present in the following materials:

- Floor Tile
- HVAC Duct Sealant
- Sheetrock and Joint Compound
- Pipe Insulation and Debris
- Boiler Units
- Pin Adhesive/Mastic on Ductwork
- Transite Board
- Valve Gaskets
- Caulking at Expansion Joints
- Window Caulking

- Window Glazing Compound
- Door Caulking
- Vent Caulking
- Seam Caulking at Metal Panels
- Roofing Materials

Traditional asbestos abatement cannot be completed for removal of these materials due to the current structural condition of the building and safety issues. Therefore, the entire structure is to be considered asbestos-containing and demolished and disposed of as specified in this NTWP. This shall include the entire above grade structure and associated materials as well as below grade components located in the two (2) vaults. The existing concrete slab, once cleaned, shall be demolished and disposed of off-site as regular construction debris.

**NTWP Request:**

In order to demolish the building structure without first removing the asbestos, we are requesting an exemption from the following sections of 310 CMR 7.00 Regulations:

- 310 CMR 7.15 (5) - Removal Requirements,
- 310 CMR 7.15 (7)(c) - Specific Asbestos Abatement Work Practice Standards,
- 310 CMR 7.15 (7)(e) - Requiements for Work Area Ventilation,
- 310 CMR (7)(f)3. - Containerization of ACWM in leak tight drums, bags or polyethylene wrappings,
- 310 CMR 7.15(15)(b) - Requirement for packaging ACWM in leak-tight containers,
- 310 CMR 7.15(16)(b) Requirement for transporting ACWM in totally enclosed vehicles.

Under this proposed work plan, the following provisions shall be adhered to when performing the work:

**1. Pre-Construction Meeting (Non-Traditional Asbestos Abatement Activities)**

- a. A Pre-Construction Meeting shall be held at which ATC shall review all aspects of the NTWP with the Owner, Demolition Contractor and all Subcontractors prior to commencing any work.
- b. Copies of the NTWP shall be distributed to each entity involved with the project.
- c. A copy of this work plan shall also be kept at the Site in a central location, for review by all local, state and federal agency personnel, for the duration of the project.
- d. All parties attending the Pre-Construction meeting shall sign-in as record and a copy of the sign-in sheet shall be emailed to the MassDEP prior to starting the work.

**2. Notifications**

- a. The Demolition Contractor shall submit a completed BWP AQ-06, with the appropriate fee, to the MassDEP for all demolition operations associated with this project.
- b. The Demolition Contractor shall submit a completed Asbestos Notification Form (ANF-001) with the appropriate fee, if any, to MassDEP for the asbestos handling operation associated with this project.



**3. Training/Licensing**

- a. Each and every contractor and sub-contractor working at the site shall be properly asbestos trained and have only properly asbestos trained personnel at the Site.
- b. Each and every contractor and sub-contractor and their workers shall hold current licenses as either; Asbestos Contractors, Asbestos Supervisors or Asbestos Workers, as appropriate.
- c. All of the required licenses shall have been issued by the Commonwealth of Massachusetts' Division of Labor Standards, in accordance with 453 CMR 6.00.

**4. Asbestos Project Monitor**

- a. An Asbestos Project Monitor ("APM") shall be on-site at all times during the asbestos removal and demolition operations.
- b. The APM shall review each notification to verify that it is completed and contains all of the requisite information.
- c. No work, pursuant to this Work Plan, shall commence until this review has been performed and the results of said review recorded in the APM's Site logbook.

**5. Work Procedures-Scope of Work**

The following procedures shall be applicable for demolition and disposal of the structure as asbestos containing material:

- a. The demolition and loading operations shall take place within a Regulated Area consisting of orange snow fencing, vinyl barrier tape and asbestos warning signs.
- b. A remote three (3) stage decontamination unit shall be established adjacent to the Regulated Area for workers to decontaminate upon exiting the work area.
- c. All workers performing asbestos removal work will utilize disposable clothing and Personal Protective Equipment (PPE) as required to the work task including respiratory protection as required by selection chart established in OSHA regulation 29 CFR 1926.1101 and DLS regulation 453 CMR 6.00.
- d. All work shall be performed utilizing wet methods such that there are no visible emissions. Large capacity water hoses, misters, dust boss and/or other wetting equipment providing suitable water volume and pressure shall be used during all phases of the work.
- e. The building shall be demolished mechanically and all demolition debris shall be loaded for disposal as asbestos-containing waste material ("ACWM"). This shall also include all components located within the two (2) subsurface vaults. All water located within these 2 vaults shall also be removed and filtered through a 5 micron filter and disposed off-site.
- f. During the implementation of the work, if metal components are to be recycled, such components shall be washed for decontamination purposes. The cleaning will occur on-site within a bermed area constructed of hay bales or other berm material and 2 layers of 10-mil reinforced poly sheeting. This area will be constructed within the Regulated Area, and will be built to slope to a collection "sump" from which accumulated wastewater will be pumped and filtered through a 5-micron filter. To prevent damage to the liner, steel components that are cleaned in the wash pad area will be suspended above the wash pad by project equipment located outside the wash pad berm. Water that is generated by the decontamination process

- will be filtered through a 5-micron filter prior to off-site disposal. Each component that has been decontaminated shall be inspected by a licensed Asbestos Project Monitor prior to its disposal or recycling, as appropriate and record of inspections shall be maintained in Licensed Project Monitor log book or on a final visual inspection form.
- g. All of the remaining demolition debris (including polyethylene sheeting) shall be loaded for disposal as asbestos (“commingled waste”). This material shall be wetted with amended water during demolition and loading to prevent dust generation, but no freestanding water will be allowed to accumulate. The commingled waste shall not be compacted.
  - h. Once the building has been demolished and the debris removed, the remaining concrete slab shall be decontaminated in-place by washing and proper collection and filtration of the waste water through a 5-micron filter for off-site disposal. The slab shall then be inspected by the APM and record of the inspection shall be maintained in the field logs and/or final visual inspection form.
  - i. All demolished material shall be loaded into roll-offs or other approved containers for proper transport and disposal as ACWM. All roll-offs or other approved containers shall be in good condition with no holes or rusted out areas and with tailgates, which close tightly and are lockable. The roll-offs or other approved containers shall also be lined with two (2) ten-mil (0.010 inch thick) preformed polyethylene liners. The liners shall be of sufficient size so that they can be sealed across the top of the load when full. Any waste that has been placed into a container that will remain on-site overnight shall be properly covered and secured at completion of the work shift.
- Note: All ACWM waste to be disposed of from the site shall be shipped on an “Asbestos Waste Shipment Record” that has been reviewed and approved by the City of Greenfield. A representative from the City of Greenfield shall sign-off as “Generator” on the Asbestos Waste Shipment Record for each shipment leaving the site.
- j. If the sharp edges of the panels tear the liner during the loading or transport operations, the Demolition Contractor shall place plywood sheets at least three sixteenths inch (3/16”) nominal thickness on the floor and walls of the roll off, between the inner liner and the demolition material to prevent tears. These plywood sheets shall then be disposed of as ACWM at the landfill along with the load.
  - k. Any demolished building debris which cannot be loaded into roll-offs or other approved containers at the end of the work shift shall remain within the building footprint and be covered with polyethylene sheeting which is secured to the ground. At no time shall demolished building debris be stockpiled on the ground outside the building footprint.
  - l. The work shall also include “raking up” the exterior soil within 25 feet of the building foundation to remove any residual material. The exterior soil shall be visibly clean of all demolition debris. This will include removal of 2 inches of soil on average from the area and all material to be disposed of as ACWM.
  - m. Following the completion of the asbestos demolition, bulk loading and clean-up operations, a visual inspection shall be performed jointly by the asbestos site supervisor and the APM, to ensure that no remnant asbestos, asbestos waste or asbestos contaminated water remains on the within the lot line, building slab/foundation or loading areas.

- n. The APM and site supervisor shall sign a “Certificate of Visual Inspection” specifying the work area has met acceptable inspection criteria and reveal no visible or suspect asbestos or other remnant debris and wastes generated during the asbestos removal operation.

**6. Equipment Decontamination**

- a. All equipment and personnel associated with the asbestos abatement operation shall be fully decontaminated on a daily basis and before being released to other service. The bucket or grapple of the heavy equipment used in the demolition shall be washed with water while suspended over the last load of each day and at the end of the project. In addition, the wheels or tracks for equipment used in demolition process shall also be properly decontaminated prior to be released out of the Regulated Area.
- b. Trucks entering the site and accessing the Regulated Area for loading of asbestos debris shall also be properly decontaminated as follows:
- An area located proximal to the demolition work shall be designated for siting the truck wash station. The station shall be positioned to allow “clean” incoming roll-off trucks enter the work area unimpeded. All exiting truck traffic shall be required to decontaminate the truck wheels and roll-off container ground touch points in the wash station.
  - The wash station shall be comprised of a single layer of 10’ X 100’ X .040” EPDM rubber membrane laid upon a level graded section of ground immediately adjacent to the work area. All four perimeter edges of the membrane shall have a single 2” X 4” stud rolled once underneath the membrane and stapled into place to create a bermed edge. The bermed edge shall prevent excess water from running out of the wash station prior to collection and filtering.
  - Carboys shall be used to contain a stockpile of clean water to start each work shift. A submersible pump connected to garden hose and a spray nozzle shall be used to wash the wheels of the trucks and the roll-off container ground touch points as the vehicles leave the work site. The wash water run-off shall be routed to the collection area within the wash station with squeegees.
  - A sump pump shall collect the excess water from the truck washing activities and pump the water through a two stage water filtration unit equipped with 50 micron and 5 micron cartridge filters. All waste water shall be collected and containerized for off-site disposal at a facility that accepts such waste. Under no condition shall filtered waste water be poured directly onto the ground, into a storm drain or the sanitary sewer as a means of disposal.
  - Prior to decontaminating the excavation equipment with tracks, sheets of plywood shall be laid on the EPDM rubber to prevent puncture of the membrane. Machine tracks shall be cleaned one at a time by using the excavator arm to lift each side of the machine off the ground and then manually washing the tracks with brushes, shovel blades and spray wash water.
  - At the conclusion of the truck washing activities, the rubber membrane and associated materials shall be dismantled and disposed of as asbestos-contaminated waste.
  - The APM and site supervisor shall sign a “Certificate of Visual Inspection” for the truck washing station area specifying all materials have been removed and no visible or suspect asbestos or other remnant debris is present associated with the operation.

**7. Perimeter Air Monitoring - Asbestos Project Monitor**

- a. The APM shall perform perimeter air monitoring of the ambient air around the circumference of the work area.
- b. This perimeter air monitoring shall be performed on a continuous basis during the asbestos demolition, bulk loading and clean-up operations.
- c. Attention shall be paid to the downwind sector as well as to all adjacent properties, streets and walkways to ensure that the circumferential monitoring points coincide with these sensitive receptors.
- d. The APM shall have a minimum of four (4) air monitoring stations. However more stations may be required to accomplish adequate monitoring between the Site and all of the sensitive receptors.
- e. Analyses of the air samples shall be performed within one (1) hour of collection and results reported to the asbestos supervisor and demolition site supervisor for review, so that corrections in the work practices can be made immediately.
- f. If the air monitoring results exceed one - one hundredth fiber per cubic centimeter (0.010 f/cc) of air, then all work shall stop. The work methods shall then be evaluated by the APM, the Asbestos Site Supervisor and the demolition site supervisor prior to continuing any further work.
- g. If the airborne fiber concentrations reach or exceed fifteen thousandths fibers per cubic centimeter (0.015 f/cc) of air, then work shall stop and not continue until approval is granted by the MassDEP.

**NOTE:**

- For any exceedance of 0.01 f/cc, the MassDEP shall be notified by the close of business (5:00 PM).
- For any exceedance of 0.015 f/cc, MassDEP shall be notified within two (2) hours.

**8. Employee Monitoring (Contractor Personal Air Sampling)**

- a. Personal air sampling shall be performed daily on the workers within the Regulated Area. This shall include equipment operators, ground support, etc.
- b. All employee air monitoring samples shall be collected in the worker's breathing zone.
- c. Each sampling pump shall be calibrated to operate at a flow rate of two and one-half (2.5) liters of air per minute.
- d. Air filter cassettes shall be changed periodically during each day's employee monitoring to prevent particulate overloading.
- e. Analyses of the employee air samples shall be performed daily and results reported to the Consultant and Owner.

**NOTE:**

- For any exceedance of 0.01 f/cc, all work shall stop and the MassDEP shall be notified within two (2) hours.

**9. Air Sampling Procedures**

- a. The device used to measure the flow rates for the perimeter and personal air monitoring samples shall have been calibrated by a primary calibration device within six (6) months of utilization at the Site.
- b. A record of the calibration record for each of the measurement devices used at the Site shall be kept at the Site for the duration of the project.
- c. Analyses of the perimeter air samples and employee air samples shall be performed by the APM on-site. The APM shall be a successful participant in the American Industrial Hygiene Association's Asbestos Analytical Registry (AIHA's AAR) and is proficient with the most recent "PAT" rounds.

**10. General Conditions of Agreement**

- a. No work pursuant to this Work Plan shall commence unless the APM is at the Site and all air monitoring stations, both perimeter and employee monitoring, are in full operation.
- b. This Work Plan applies specifically to the demolition and disposal of 180 Laurel Street located in Greenfield, Massachusetts.
- c. This Work Plan does not apply to any past or future asbestos handling at the site.
- d. All other MassDEP regulations are in force for the balance of this asbestos abatement operation.
- e. This work plan does not negate the responsibility of the property owner, the contractor, subcontractors and consultants from complying with all other applicable federal, state and local regulations.

**11. Timeframe of Approval**

- a. This Work Plan is valid for ninety (90) days after date of acceptance by MassDEP and shall be deemed expired at the end of the ninetieth (90th) day.
- b. If activities are to continue past the 90-day expiration date then the MassDEP shall be notified (shall have received) in writing at least ten (10) days in advance, specifically, on or before the eightieth (80th) day.
- c. Continuance of the work under the provisions of the Work Plan shall be the sole determination of MassDEP.

**12. Changes in Conditions/Scope of Work**

- a. Any variance from the proposed conditions listed above shall be evaluated by MassDEP prior to commencement of any such activities.
- b. All requests for changes to or amendments of this Work Plan shall be made to the MassDEP in writing.
- c. None of the amended activities or operations shall be used at the Site until accepted and approved in writing by MassDEP.

**13. Recording Keeping**

- a. All documentation regarding air monitoring collection procedures, calibration records and analysis results, visual inspections and waste disposal shall be kept on site for inspection by MassDEP personnel for the duration of the removal operation.
- b. Copies of the documentation are to be supplied to MassDEP upon request and within thirty (30) days of completion of the project.
- c. An original completed Certification Form attached to MassDEP's Approval Letter shall accompany all submittals sent to the MassDEP.

I appreciate your attention regarding this matter and look forward to hearing your response. If you have any questions, please do not hesitate to contact me at (413) 664-6687.

Sincerely,

**ATC Group Services, LLC**



Derrick Wissman  
MA #AD072630

# **APPENDIX D**

## **SECTION 020810 – DEMOLITION**

**SECTION 020810  
DEMOLITION**

**PART 1.0: GENERAL**

1.1 GENERAL REQUIREMENTS

- A. The Conditions of the Contract apply to this section.

1.2 DEFINITIONS

- A. The following definitions shall be applicable to this Section:

*“Site”*: Refers to 180 Laurel Street located in Greenfield, Massachusetts as described by the Contract Documents and Drawings.

*“Owner”*: Refers to the City of Greenfield and their designated, authorized personnel.

*“Consultant”*: Refers to ATC Group Services LLC (ATC), 73 William Franks Drive, West Springfield, Massachusetts and their designated, authorized personnel.

*“Contractor”*: Refers to the Contractor who has been awarded the overall contract for demolition and site restoration work outlined by the Contract Documents.

1.3 DESCRIPTION OF WORK

- A. The Work of this Section includes all labor, materials, tools, and equipment needed to demolish and dispose of the building and associated structures as specified under the Contract.
- B. Owner and ATC assume no responsibility for the building or structures to be demolished. Conditions existing at time of inspection for bidding purpose will be maintained by the Owner as far as practical.
- C. Contractor is responsible for reviewing and attaining all City of Greenfield records related to the subject property.
- D. The Work of this Section includes, but is not limited to:
1. Cut and cap of all existing site utilities. All such utilities shall be removed and disposed within 10 feet from the existing building foundation.
  2. Demolition and removal of all existing construction above grade.
  3. Demolition and removal of all existing construction below grade.
  4. Removal of all existing trees and associated bushes within 25 feet of the building foundation. Note tree stumps shall be ground down to grade level and left in place.
  5. Removal of existing walkways (excluding the street sidewalk and curb which shall remain in place and undamaged).
  6. Removal of existing loading docks, walkways and retaining walls connected to the building.



7. Removal and disposal of any asphalt around the building as required to complete the work.
8. Demolition of materials unsuitable for completion of site work.
9. Protection of surrounding areas, streets, property, rights of way, wetland resource areas.
10. Removal of all debris and trash located on subject properties. Includes, but is not limited to: wood pallets, discarded lumber, metal, glass, refuse, garbage, drums, equipment, wood, etc.
11. The Contractor shall secure from and pay the fees or charges for removal of abandoned water taps, sealing of house connection drains, pavement cuts, electrical, plumbing, gas, and sewer permits and demolition permits, necessary under the appropriate regulatory body or any of its agencies.
12. Where necessary, temporary traffic control by the City of Greenfield Police Department shall be the responsibility of the Contractor. No public way, private access or pedestrian ways shall be obstructed or closed without written permission from City of Greenfield officials having jurisdiction over such facilities.
13. The Contractor shall maintain the condition of the existing chain link fence and gate located on the property. Jersey barriers shall be installed as needed during the work in order to protect public health and safety.
14. All demolition or deconstruction work shall be carried out in a systematic manner to ensure public safety and within the performance time specified. All demolition or deconstruction work shall be conducted in accordance with applicable local, state and federal regulations as well as the provisions outlined by the Contract. The Contractor is responsible for any and all measures to ensure the safety and protection of the public for the duration of the project.
15. The Contractor shall provide, keep and maintain barriers, fences, warning signs and lights and keep adjacent street clear of dirt, rubbish, ice, snow, and water for the safe and convenient passage of automobiles, delivery trucks and Contractors.

**Notes:**

- a. **The above grade building and associated components as well as the equipment/materials located within the two (2) below grade vaults at the site will be demolished and disposed of as asbestos-containing materials. The City of Greenfield will apply for and receive approval of an Alternate Work Practice (AWP) for demolition and disposal of these structures as asbestos-containing material. The Contractor shall refer to Section 020800 – Asbestos Demolition and Disposal for procedures and requirements.**
- b. **Note that the concrete slab and below grade vaults will be cleaned as part of the work under Section 020800 and after passing a visual inspection, these materials will be demolished, removed and disposed of off-site as regular construction debris.**
- c. **Soil contamination is believed to exist under the existing concrete slab. Testing to determine the extent of the contamination and the required remediation work will be performed by others and is not part of this Contract. It is anticipated that the testing will take five (5) business days to complete, at which time the slab/vaults will not be able to be demolished.**

#### 1.4 RELATED WORK

- A. Carefully examine all the Contract Documents for requirements that affect the Work of this Section.
- B. Other Work which directly relate to the Work of this Section include, but are not limited to:
  - 1. Section 020800 - Asbestos Demolition and Disposal.
  - 2. Earthwork (Section 020820).

#### 1.5 SUBMITTALS

##### A. *Permits and Certificates*

- 1. Permits and notices authorizing building demolition.
- 2. Certificates of severance of utility services.
- 3. Permit of transport and legal disposal of debris (i.e. regular construction, recycling and asbestos waste).

*Note: The Contractor shall obtain all permits required to perform the work as required under this Section. Copies of all such permits shall be provided to the Owner.*

- B. *Schedule:* Submit proposed methods and schedule of demolition prior to the start of Work.

#### 1.6 EXISTING CONDITIONS

- A. *Existing Structures:* The Owner and Consultant assume no responsibility nor make any claim regarding the condition or structural adequacy of existing constructions to be demolished.
- B. *Caution:* Maintain extreme caution when working in proximity to adjacent properties not in the Contract. Comply with all applicable city ordinances, laws and regulations.
- C. *Asbestos and Hazardous Materials:* The Contractor shall refer to Section 02080) – Asbestos Demolition and Disposal for specific requirements associated with removal of identified asbestos and hazardous materials under the Contract.
- D. *Lead-Containing Paint:* The Contractor and all Subcontractors who work on the project shall be made aware that lead-containing paint is present on the painted architectural and structural building components to be disturbed by the demolition work outlined under the Contract. Each Contractor shall be required to comply with all aspects of the Occupational Safety and Health Administration (OSHA) 29 CFR 1926.62 “Lead in Construction Regulations” with regards to disturbance of these materials when performing their work. In addition, each Contractor shall be responsible for proper disposal of the demolition debris in accordance with local, state and federal regulations. Prior to the start of the work, the General Contractor shall be required to provide a written plan that details the means and methods to achieve compliance with the provisions outlined herein for all trades working on the site.

## 1.7 PROJECT CONDITIONS

- A. *Public Safety:* Ensure the safe passage of persons and traffic on and around the Project site, adjacent properties, and public ways.
- B. *Existing Occupancy:* The building is not occupied and will be demolished under the Contract. However, adjacent properties to the site will be occupied and special care shall be taken to control dust and noise and to avoid creating a nuisance.
- C. *Explosives:* Do not bring explosives to the site or use explosives.
- D. *Damages:* Report all damages immediately. Promptly repair damages caused by demolition operations at no cost to the Owner. Any damages caused to the existing fencing, driveway and front sidewalk at the site and any other materials/property located outside the project limits shall be repaired or replaced by the Contractor at no additional costs to the Owner.
- E. *Subsurface Conditions:* Subsurface conditions that are detrimental to the Work of this Contract are not anticipated. Unanticipated subsurface conditions of a minor nature, such as boulders, shall not result in any additional compensation. Notify the Consultant immediately in writing if subsurface conditions are significantly deficient for demolition.
- F. Ground Water: Dewater, as required, all excavations. Any conditions resulting from high ground water shall not incur additional costs to the Owner.
- G. *Vegetation:* Vegetation exists in close proximity to structures. All trees and associated bushes shall be removed as part of the work.

## PART 2.0: PRODUCTS

- 2.1 **Protections:** Provide miscellaneous protections including, but not limited to dust barriers, plywood panels, and moisture barriers to ensure adjacent properties are protected at all times during demolition.
- 2.2 **Shoring:** Provide temporary shoring and bracing of adequate size and proper configuration as required.
- 2.3 **Utilities Capping:** The Contractor shall be responsible for all cutting and capping of existing site utilities under the Contract. The Contractor shall apply for all permits required to cut and cap the utilities and shall coordinate all such work with the appropriate City Department or Utility Company.

## PART 3.0: EXECUTION

- 3.1 **INSPECTION:** Inspect and verify all existing conditions before beginning Work.
- 3.2 **PROTECTION**
  - A. Ensure safety of persons and property at all times. Provide temporary shoring and bracing as required. Protect openings.

- B. Protect against damage to adjacent properties and areas outside the Contract.
- C. Ensure egress routes are clear at all times. If existing egress routes are disrupted, submit alternative plans for egress for approval by local building inspector, the Owner, and the Consultant.
- D. Ensure silt and sediment resulting from exposed soils does not exit the site. Install silt fence or other methods of erosion and sedimentation control. The silt fence, hay bales and other methods of erosion control shall remain in-place at each site upon completion of the work.
- E. Ensure that silt or sediment is not tracked onto roadways.
- F. The Contractor shall be required to remove all existing trees and shrubs on the site property. All such cutting and removal shall be performed without damage to outside properties and/or structures.

### 3.3 DEMOLITION

#### A. *General* –

1. Demolish all existing construction designated to be demolished or removed from the site.
  2. Demolish and remove existing construction required for the proper completion of site work. Identify and remove all construction that is unsuitable for re-use.
  3. The existing above grade building and associated components shall be removed and disposed of off-site as asbestos waste.
  4. The existing concrete slab and subsurface vaults shall be removed and disposed of off-site as regular construction debris
  5. All walkways, loading docks and other associated ramps connected to the building and other concrete surfaces or structures shall be removed and disposed off site.
  5. The Contractor shall avoid damaging existing sidewalks, streets, curbs, pavements, utilities, structures or any other property (not associated with the site property to be demolished). Any damage caused to these structures or utilities shall be repaired and/or replaced by the Contractor at their own expense.
  6. Use demolition methods within the limitations of governing regulations.
  7. Ensure structure and construction is adequately and properly shored and supported before, during, and after demolition.
  8. The Contractor shall request an inspection of the site by the Consultant and the City of Greenfield after demolition is complete and prior to backfilling. The Contractor shall be responsible for all costs associated with additional demolition, removal and disposal required if the City of Greenfield fails to approve the conditions or the work.
- B. *Pollution Controls*: Use water sprinkling, temporary enclosures, and other suitable methods to limit the amount of dust and dirt rising and scattering in the air to the lowest practical level. Take necessary measures to prevent silt and soils leaving the site on vehicle tires during demolition activities. Any soils remaining on the public way resulting from demolition activities are to be swept and properly disposed of daily at the Contractor's expense.

**END OF SECTION**

# **APPENDIX E**

## **SECTION 020820 – SITE WORK**

**SECTION 020820  
SITE RESTORATION**

**PART 1.0: GENERAL**

1.1 GENERAL REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 DEFINITIONS

- A. The following definitions shall be applicable to this Section:

“*Site*”: Refers to 180 Laurel Street located in Greenfield, Massachusetts as described by the Contract Documents and Drawings.

“*Owner*”: Refers to the City of Greenfield and their designated, authorized personnel.

“*Consultant*”: Refers to ATC Group Services, LLC (ATC), 73 William Franks Drive, West Springfield, Massachusetts and their designated, authorized personnel.

“*Contractor*”: Refers to the General Contractor who has been awarded the overall contract for demolition and site restoration work outlined by the Contract Documents.

1.3 DESCRIPTION OF WORK

- A. The Work of this Section includes all labor, materials, tools, and equipment needed to complete site preparation, earthwork, and site restoration as specified.

- B. The Work of this Section includes, but is not limited to:

1. Temporary protection and access.
2. Protection of fencing and asphalt areas to remain.
3. Preparation of subgrades for pavements and site improvements.
4. Water and erosion control of excavations.
5. Shoring and bracing as needed.
6. Removal and disposal of unsuitable or surplus excavated materials off site.
7. Providing all new fill material as needed for completion of site preparation.
8. Fill and compaction.
9. Rough grading.
10. Seed and mulching of site.

- C. *Intent*: The intent of the Work of this section is to properly prepare the site to receive a new 80,000 square foot building.

1.4 RELATED WORK

- A. Carefully examine all the Contract Documents for requirements that affect the Work of this Section.
- B. Other Work which directly relate to the Work of this Section include, but are not limited to:
  - 1. Section 020810 - Demolition

1.5 QUALITY ASSURANCE:

- A. The Owner's representative will be on site to insure that work specified is performed in compliance with this section.
  - 1. Do not place any fill until the Consultant and City of Greenfield representative has observed the excavation.
  - 2. All new fill material brought on-site shall be free of contamination. The Owner reserves the right to perform sampling and testing for chemical contamination on any material proposed to be used as backfill. Owner may prohibit from use on the project any fill material which exhibits the presence of chemical contamination.

1.6 DELIVERY, STORAGE, AND HANDLING: Materials shall be protected from damage from nature. Storage of materials and equipment on site shall be coordinated with the Owner.

1.7 PROJECT CONDITIONS

- A. *Grades and Layout:* The Contractor shall be responsible for verifying existing grades and layouts. Site conditions and information must be field verified before proceeding with Work. The Consultant reserves the right to require adjustments to accommodate field-verified conditions at no additional cost to the owner.
- B. *Public Ways:* Work shall not interfere with normal use of public ways, including streets and sidewalks, unless permission is obtained from the Owner and local authorities.

**PART 2.0: PRODUCTS**

2.1 COMMON FILL

- A. Provide common fill consisting of new and/or on-site excavated materials composed of earth and stone, free of organic materials, broken pavement, construction debris, and stones larger than 4" in the largest dimension. Use of recycled materials, such as re-processed building demolition material shall not be allowed. Refer to Part 1.5 (2) of this Section for specific requirements associated with testing and approval of new fill material to be used on-site.

B. Fill shall be of such nature and character that it can be compacted to the specified densities in a reasonable length of time. It shall be free of highly plastic clays, of all materials subject to decay, decomposition, or dissolution, and of cinders or other materials which will corrode piping or other metal. It shall have a maximum ASTM dry density of not less than 100 lbs. per cubic foot.

C. *Use:* Backfilling foundation holes and grading

## 2.2 TOPSOIL

A. Topsoil shall be unfrozen, friable, natural loam and shall be free of clay lumps, brush, weeds, litter, stumps and other extraneous matter. The topsoil shall have an organic content between 5% and 20% and a pH between 5.5 and 7.5.

B. Topsoil shall be installed on the entire site with a minimum coverage of 3 inches in depth.

## 2.3 SEED MIX

- A. 65% Kentucky Blue Grass
- B. 20% Perennial Rye Grass
- C. 15% Fescue
- D. The entire site shall be seeded.

## 2.4 MULCH

A. Mulch shall be stalks of oats, wheat, rye, or other approved crops free from noxious weeds and coarse materials.

# **PART 3.0: EXECUTION**

## 3.1 GENERAL

A. *Inspection and Verification:* The Contractor shall inspect the site and existing conditions. Verify all grades, utility locations, layouts, site improvements, and other existing conditions before beginning Work.

B. *Regulatory Requirements:* All Work shall conform to the requirements of OSHA and Mass. Dig Safe. Notify authorities and utility companies, as applicable, before proceeding with Work.

C. *Stockpiling and Disposal:* Materials suitable for reuse shall be stockpiled on the side, in locations acceptable to the Owner. Materials unsuitable for re-use shall be disposed of properly.



### 3.2 PROTECTION

- A. *Buildings, Landscaping, and Site Improvements:* All Work shall be executed in a manner to prevent damage to existing structures, landscaping, streets, curbs, and walks to remain and to adjacent properties. Protect all existing structures, landscaping, site improvements, and adjacent properties in Work area.
- B. *Safe Passage:* Ensure safe passage of people around the Work area. Guard Work areas with barricades, reflectors, and signs as required by the Owner, applicable safety regulations, and local authorities.
- C. *Dust and Erosion Control:* Take effective measures to prevent windblown dust and to control erosion and run off.
- D. *Shoring and Bracing:* Design, engineer, and provide adequate shoring and bracing to prevent movement or settlement of existing and new construction, including buildings, utilities, paving, and site improvements.
- E. *Utilities:* Locate, mark, and protect all utilities from damage and disruption of services outside the Scope of Work for the Project.
- F. *Dewatering:* Dewater as necessary to maintain dry excavations. Provide temporary water control ditches, pumps, and piping as needed to control water.

### 3.3 FILL

- A. *Moisture Content:* Control moisture content of subgrades and fill materials by drying and wetting to levels required for proper compaction, as established by ASTM D1557, Method C. Wet fill that cannot be dried within 48 hours of placement shall be removed and replaced with drier fill.
- B. *Placement:* Place fill in horizontal loose layers not exceeding 12" and compact after each layer. Fill areas for site development as required to raise grade to required subgrade elevations.
- C. All fill shall be approved by the Owner prior to use on the site.

### 3.4 COMPACTION

- A. *Site:* Contractor is to provide 90% of maximum dry density at areas disturbed/ excavated, as determined by ASTM D1557. As an alternative to obtaining 90% maximum dry density, fill shall be placed in maximum 12" lifts and shall receive a minimum of three passes with a tracked bulldozer with a minimum weight of 8 tons, or two passes with a vibratory drum roller.

### 3.5 ROUGH GRADING

- A. Uniformly rough grade to prevent ponding of water. Create wide swales to effectively control and drain water. Rough grade to within  $\pm 1$ " of indicated subgrades.

- B. Fill voids resulting from demolition of structures with appropriate fill material specified in Section 2.0.
- C. *Maintenance:* Repair and re-establish grades where settlement, damage, or erosion has taken place. Work shall include removal and restoration of surface improvements, if any.

### 3.6 SUBGRADE PREPARATION

- A. The Contractor shall do whatever grading is necessary to bring the subgrade to a smooth slope parallel and 6" below finished grade for all backfilled areas.
- B. The top 3" of the subgrade immediately prior to being covered with topsoil shall be raked or otherwise loosened and shall be free from stones, rock and other foreign material 3" or greater in dimensions.

### 3.7 FINISH GRADE PREPARATION

- A. Topsoil shall not be used or worked in a frozen or muddy condition.
- B. Topsoil shall be placed and spread over approved areas to a depth sufficiently greater than 6" in lawn areas so that after natural settlement and light rolling, the completed work will conform to the surrounding existing grade.
- C. After topsoil has been spread in approved areas, it shall be carefully prepared by scarifying or harrowing and hand raking. All large stiff clods, lumps, brush, roots, stumps, litter and other foreign matter, and stones over 1" in diameter shall be removed from topsoil and it shall also be free of smaller stones in excessive quantities.
- D. The whole surface shall then be rolled with a roller weighing not more than 100 lbs. per foot of width. During the rolling, all depressions caused by settlement of rolling shall be filled with additional topsoil and the surface shall be re-graded and rolled until presenting a smooth and even finish to the surrounding existing grade.
- E. All areas not covered by buildings, paving, or other improvements shall be constructed as lawns unless otherwise directed.
- F. The work areas are to be seeded by mechanical spreader at a rate of 1.0 lb/1000 square feet; following seeding the areas shall be tightly raked to mingle seed with the top 1/8 to 1/4 inch of soil. Areas shall then be smoothed and rolled; following rolling the entire area shall be watered until equivalent 2-inch depth of water shall have been applied to the entire seeded surface at a rate that will not dislodge seed. Water shall be repeated thereafter as frequently as required to prevent drying of surface until grass attains an average height of 1 inch.

### 3.8 TOPSOIL INSPECTION AND ACCEPTANCE

- A. The Consultant and the City of Greenfield Representative shall inspect all work for acceptance of topsoil installation upon the written request of the Contractor.

END OF SECTION

# **APPENDIX F**

## **MASSACHUSETTS PREVAILING WAGE RATES**



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

**Prevailing Wage Rates**

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

CHARLES D. BAKER  
Governor

ROSALIN ACOSTA  
Secretary

KARYN E. POLITO  
Lt. Governor

WILLIAM D MCKINNEY  
Director

**Awarding Authority:** Town of Greenfield  
**Contract Number:** 18-02 **City/Town:** GREENFIELD  
**Description of Work:** Non-traditional asbestos abatement;demolition and removal of building,foliage within 10 feet of building, and related work,including precondition survey;removal of debris piles  
**Job Location:** 180 Laurel Steet

Information about Prevailing Wage Schedules for Awarding Authorities and Contractors

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

<b>Classification</b>	<b>Effective Date</b>	<b>Base Wage</b>	<b>Health</b>	<b>Pension</b>	<b>Supplemental Unemployment</b>	<b>Total Rate</b>
<b>Construction</b>						
(2 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2016	\$32.15	\$10.91	\$10.89	\$0.00	\$53.95
(3 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2016	\$32.22	\$10.91	\$10.89	\$0.00	\$54.02
(4 & 5 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2016	\$32.34	\$10.91	\$10.89	\$0.00	\$54.14
ADS/SUBMERSIBLE PILOT <i>PILE DRIVER LOCAL 56 (ZONE 3)</i>	08/01/2015	\$90.51	\$9.80	\$18.17	\$0.00	\$118.48
For apprentice rates see "Apprentice- PILE DRIVER"						
AIR TRACK OPERATOR <i>LABORERS - ZONE 3 (BUILDING &amp; SITE)</i>	12/05/2016	\$30.33	\$7.60	\$12.50	\$0.00	\$50.43
For apprentice rates see "Apprentice- LABORER"						
AIR TRACK OPERATOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 3 (HEAVY &amp; HIGHWAY)</i>	12/01/2016	\$30.25	\$7.60	\$10.62	\$0.00	\$48.47
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
ASBESTOS WORKER (PIPES & TANKS) <i>HEAT &amp; FROST INSULATORS LOCAL 6 (SPRINGFIELD)</i>	06/01/2017	\$31.41	\$11.50	\$6.60	\$0.00	\$49.51
	12/01/2017	\$32.31	\$11.50	\$6.60	\$0.00	\$50.41
	06/01/2018	\$33.21	\$11.50	\$6.60	\$0.00	\$51.31
	12/01/2018	\$34.11	\$11.50	\$6.60	\$0.00	\$52.21
	06/01/2019	\$35.01	\$11.50	\$6.60	\$0.00	\$53.11
	12/01/2019	\$35.91	\$11.50	\$6.60	\$0.00	\$54.01
	06/01/2020	\$36.81	\$11.50	\$6.60	\$0.00	\$54.91
	12/01/2020	\$37.71	\$11.50	\$6.60	\$0.00	\$55.81
ASPHALT RAKER <i>LABORERS - ZONE 3 (BUILDING &amp; SITE)</i>	12/05/2016	\$29.83	\$7.60	\$12.50	\$0.00	\$49.93
For apprentice rates see "Apprentice- LABORER"						
ASPHALT RAKER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 3 (HEAVY &amp; HIGHWAY)</i>	12/01/2016	\$29.75	\$7.60	\$10.62	\$0.00	\$47.97
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
AUTOMATIC GRADER-EXCAVATOR (RECLAIMER) <i>OPERATING ENGINEERS LOCAL 98</i>	06/01/2017	\$33.88	\$10.79	\$12.75	\$0.00	\$57.42
	12/01/2017	\$34.48	\$10.79	\$13.02	\$0.00	\$58.29
	06/01/2018	\$35.09	\$10.79	\$13.29	\$0.00	\$59.17
	12/01/2018	\$35.69	\$10.79	\$13.56	\$0.00	\$60.04
	06/01/2019	\$36.20	\$10.79	\$13.83	\$0.00	\$60.82
	12/01/2019	\$36.80	\$10.79	\$14.10	\$0.00	\$61.69
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BACKHOE/FRONT-END LOADER OPERATOR <i>OPERATING ENGINEERS LOCAL 98</i>	06/01/2017	\$33.88	\$10.79	\$12.75	\$0.00	\$57.42
	12/01/2017	\$34.48	\$10.79	\$13.02	\$0.00	\$58.29
	06/01/2018	\$35.09	\$10.79	\$13.29	\$0.00	\$59.17
	12/01/2018	\$35.69	\$10.79	\$13.56	\$0.00	\$60.04
	06/01/2019	\$36.20	\$10.79	\$13.83	\$0.00	\$60.82
	12/01/2019	\$36.80	\$10.79	\$14.10	\$0.00	\$61.69
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BARCO-TYPE JUMPING TAMPER <i>LABORERS - ZONE 3 (BUILDING &amp; SITE)</i>	12/05/2016	\$29.83	\$7.60	\$12.50	\$0.00	\$49.93
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
BATCH/CEMENT PLANT - ON SITE <i>OPERATING ENGINEERS LOCAL 98</i>	06/01/2017	\$33.35	\$10.79	\$12.75	\$0.00	\$56.89
	12/01/2017	\$33.95	\$10.79	\$13.02	\$0.00	\$57.76
	06/01/2018	\$34.56	\$10.79	\$13.29	\$0.00	\$58.64
	12/01/2018	\$35.16	\$10.79	\$13.56	\$0.00	\$59.51
	06/01/2019	\$35.67	\$10.79	\$13.83	\$0.00	\$60.29
	12/01/2019	\$36.27	\$10.79	\$14.10	\$0.00	\$61.16
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BLOCK PAVER, RAMMER / CURB SETTER <i>LABORERS - ZONE 3 (BUILDING &amp; SITE)</i>	12/05/2016	\$30.33	\$7.60	\$12.50	\$0.00	\$50.43
For apprentice rates see "Apprentice- LABORER"						
BLOCK PAVER, RAMMER / CURB SETTER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 3 (HEAVY &amp; HIGHWAY)</i>	12/01/2016	\$30.25	\$7.60	\$10.62	\$0.00	\$48.47
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
BOILER MAKER <i>BOILERMAKERS LOCAL 29</i>	01/01/2017	\$42.92	\$6.97	\$16.21	\$0.00	\$66.10

**Apprentice - BOILERMAKER - Local 29**

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

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

**Notes:**

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

BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING) <i>BRICKLAYERS LOCAL 3 (SPRINGFIELD/PITTSFIELD)</i>	02/27/2017	\$39.26	\$10.75	\$17.38	\$0.00	\$67.39
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**Classification**

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

**Apprentice - BRICK/PLASTER/CEMENT MASON - Local 3 Springfield/Pittsfield**

**Effective Date - 02/27/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.63	\$10.75	\$17.38	\$0.00	\$47.76
2	60	\$23.56	\$10.75	\$17.38	\$0.00	\$51.69
3	70	\$27.48	\$10.75	\$17.38	\$0.00	\$55.61
4	80	\$31.41	\$10.75	\$17.38	\$0.00	\$59.54
5	90	\$35.33	\$10.75	\$17.38	\$0.00	\$63.46

**Notes:**

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

BULLDOZER/POWER SHOVEL/TREE SHREDDER /CLAM SHELL OPERATING	06/01/2017	\$33.88	\$10.79	\$12.75	\$0.00	\$57.42
ENGINEERS LOCAL 98	12/01/2017	\$34.48	\$10.79	\$13.02	\$0.00	\$58.29
	06/01/2018	\$35.09	\$10.79	\$13.29	\$0.00	\$59.17
	12/01/2018	\$35.69	\$10.79	\$13.56	\$0.00	\$60.04
	06/01/2019	\$36.20	\$10.79	\$13.83	\$0.00	\$60.82
	12/01/2019	\$36.80	\$10.79	\$14.10	\$0.00	\$61.69
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
CAISSON & UNDERPINNING BOTTOM MAN LABORERS - FOUNDATION AND MARINE	12/01/2016	\$37.45	\$7.60	\$14.35	\$0.00	\$59.40
For apprentice rates see "Apprentice- LABORER"						
CAISSON & UNDERPINNING LABORER LABORERS - FOUNDATION AND MARINE	12/01/2016	\$36.30	\$7.60	\$14.35	\$0.00	\$58.25
For apprentice rates see "Apprentice- LABORER"						
CAISSON & UNDERPINNING TOP MAN LABORERS - FOUNDATION AND MARINE	12/01/2016	\$36.30	\$7.60	\$14.35	\$0.00	\$58.25
For apprentice rates see "Apprentice- LABORER"						
CARBIDE CORE DRILL OPERATOR LABORERS - ZONE 3 (BUILDING & SITE)	12/05/2016	\$29.83	\$7.60	\$12.50	\$0.00	\$49.93
For apprentice rates see "Apprentice- LABORER"						
CARPENTER CARPENTERS LOCAL 108 - HAMPDEN HAMPSHIRE FRANKLIN	02/27/2017	\$34.56	\$8.26	\$15.00	\$0.00	\$57.82
	09/04/2017	\$35.56	\$8.26	\$15.00	\$0.00	\$58.82
	03/05/2018	\$36.56	\$8.26	\$15.00	\$0.00	\$59.82
	09/05/2018	\$37.60	\$8.26	\$15.00	\$0.00	\$60.86
	03/04/2019	\$38.64	\$8.26	\$15.00	\$0.00	\$61.90

**Apprentice - CARPENTER - Local 108 Hampden Hampshire Franklin**

**Effective Date - 02/27/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$17.28	\$8.26	\$1.22	\$0.00	\$26.76
2	60	\$20.74	\$8.26	\$1.22	\$0.00	\$30.22
3	70	\$24.19	\$8.26	\$11.34	\$0.00	\$43.79
4	75	\$25.92	\$8.26	\$11.34	\$0.00	\$45.52
5	80	\$27.65	\$8.26	\$12.56	\$0.00	\$48.47
6	80	\$27.65	\$8.26	\$12.56	\$0.00	\$48.47
7	90	\$31.10	\$8.26	\$13.78	\$0.00	\$53.14
8	90	\$31.10	\$8.26	\$13.78	\$0.00	\$53.14

**Effective Date - 09/04/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$17.78	\$8.26	\$1.22	\$0.00	\$27.26
2	60	\$21.34	\$8.26	\$1.22	\$0.00	\$30.82
3	70	\$24.89	\$8.26	\$11.34	\$0.00	\$44.49
4	75	\$26.67	\$8.26	\$11.34	\$0.00	\$46.27
5	80	\$28.45	\$8.26	\$12.56	\$0.00	\$49.27
6	80	\$28.45	\$8.26	\$12.56	\$0.00	\$49.27
7	90	\$32.00	\$8.26	\$13.78	\$0.00	\$54.04
8	90	\$32.00	\$8.26	\$13.78	\$0.00	\$54.04

**Notes:**

\*\* 1: 1-5/2: 6-8/3:9-11/Steps: 6 mos (600 hrs)/rates by step

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

CEMENT MASONRY/PLASTERING	07/01/2017	\$39.31	\$12.15	\$14.56	\$1.30	\$67.32
BRICKLAYERS LOCAL 3 (SPRINGFIELD/PITTSFIELD)	01/01/2018	\$39.34	\$12.15	\$14.56	\$1.30	\$67.35
	07/01/2018	\$39.37	\$12.15	\$14.56	\$1.30	\$67.38
	01/01/2019	\$39.41	\$12.15	\$14.56	\$1.30	\$67.42
	07/01/2019	\$39.44	\$12.15	\$14.56	\$1.30	\$67.45
	01/01/2020	\$39.48	\$12.15	\$14.56	\$1.30	\$67.49



**Classification**

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

**Apprentice - CEMENT MASONRY/PLASTERING - Springfield/Pittsfield**

**Effective Date - 07/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.66	\$12.15	\$12.33	\$0.00	\$44.14
2	60	\$23.59	\$12.15	\$14.56	\$1.30	\$51.60
3	65	\$25.55	\$12.15	\$14.56	\$1.30	\$53.56
4	70	\$27.52	\$12.15	\$14.56	\$1.30	\$55.53
5	75	\$29.48	\$12.15	\$14.56	\$1.30	\$57.49
6	80	\$31.45	\$12.15	\$14.56	\$1.30	\$59.46
7	90	\$35.38	\$12.15	\$14.56	\$1.30	\$63.39

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

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.67	\$12.15	\$12.33	\$0.00	\$44.15
2	60	\$23.60	\$12.15	\$14.56	\$1.30	\$51.61
3	65	\$25.57	\$12.15	\$14.56	\$1.30	\$53.58
4	70	\$27.54	\$12.15	\$14.56	\$1.30	\$55.55
5	75	\$29.51	\$12.15	\$14.56	\$1.30	\$57.52
6	80	\$31.47	\$12.15	\$14.56	\$1.30	\$59.48
7	90	\$35.41	\$12.15	\$14.56	\$1.30	\$63.42

**Notes:**

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

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

CHAIN SAW OPERATOR  
LABORERS - ZONE 3 (BUILDING & SITE)      12/05/2016      \$29.83      \$7.60      \$12.50      \$0.00      \$49.93

For apprentice rates see "Apprentice- LABORER"

COMPRESSOR OPERATOR  
OPERATING ENGINEERS LOCAL 98

06/01/2017	\$33.35	\$10.79	\$12.75	\$0.00	\$56.89
12/01/2017	\$33.95	\$10.79	\$13.02	\$0.00	\$57.76
06/01/2018	\$34.56	\$10.79	\$13.29	\$0.00	\$58.64
12/01/2018	\$35.16	\$10.79	\$13.56	\$0.00	\$59.51
06/01/2019	\$35.67	\$10.79	\$13.83	\$0.00	\$60.29
12/01/2019	\$36.27	\$10.79	\$14.10	\$0.00	\$61.16

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

CRANE OPERATOR  
OPERATING ENGINEERS LOCAL 98

06/01/2017	\$37.38	\$10.79	\$12.75	\$0.00	\$60.92
12/01/2017	\$37.98	\$10.79	\$13.02	\$0.00	\$61.79
06/01/2018	\$38.59	\$10.79	\$13.29	\$0.00	\$62.67
12/01/2018	\$39.19	\$10.79	\$13.56	\$0.00	\$63.54
06/01/2019	\$39.70	\$10.79	\$13.83	\$0.00	\$64.32
12/01/2019	\$40.30	\$10.79	\$14.10	\$0.00	\$65.19

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

DELEADER (BRIDGE)  
PAINTERS LOCAL 35 - ZONE 3      01/01/2017      \$51.41      \$7.85      \$16.10      \$0.00      \$75.36

**Classification**

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

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

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

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$25.71	\$7.85	\$0.00	\$0.00	\$33.56
2	55	\$28.28	\$7.85	\$3.66	\$0.00	\$39.79
3	60	\$30.85	\$7.85	\$3.99	\$0.00	\$42.69
4	65	\$33.42	\$7.85	\$4.32	\$0.00	\$45.59
5	70	\$35.99	\$7.85	\$14.11	\$0.00	\$57.95
6	75	\$38.56	\$7.85	\$14.44	\$0.00	\$60.85
7	80	\$41.13	\$7.85	\$14.77	\$0.00	\$63.75
8	90	\$46.27	\$7.85	\$15.44	\$0.00	\$69.56

**Notes:**

Steps are 750 hrs.

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

DEMO: ADZEMAN LABORERS - ZONE 3 (BUILDING & SITE)	06/01/2017	\$37.00	\$7.60	\$14.65	\$0.00	\$59.25
	12/01/2017	\$37.85	\$7.60	\$14.65	\$0.00	\$60.10
	06/01/2018	\$38.80	\$7.60	\$14.65	\$0.00	\$61.05
	12/01/2018	\$39.75	\$7.60	\$14.65	\$0.00	\$62.00
	06/01/2019	\$40.75	\$7.60	\$14.65	\$0.00	\$63.00
	12/01/2019	\$41.75	\$7.60	\$14.65	\$0.00	\$64.00

For apprentice rates see "Apprentice- LABORER"

DEMO: BACKHOE/LOADER/HAMMER OPERATOR LABORERS - ZONE 3 (BUILDING & SITE)	06/01/2017	\$38.00	\$7.60	\$14.65	\$0.00	\$60.25
	12/01/2017	\$38.85	\$7.60	\$14.65	\$0.00	\$61.10
	06/01/2018	\$39.80	\$7.60	\$14.65	\$0.00	\$62.05
	12/01/2018	\$40.75	\$7.60	\$14.65	\$0.00	\$63.00
	06/01/2019	\$41.75	\$7.60	\$14.65	\$0.00	\$64.00
	12/01/2019	\$42.75	\$7.60	\$14.65	\$0.00	\$65.00

For apprentice rates see "Apprentice- LABORER"

DEMO: BURNERS LABORERS - ZONE 3 (BUILDING & SITE)	06/01/2017	\$37.75	\$7.60	\$14.65	\$0.00	\$60.00
	12/01/2017	\$38.60	\$7.60	\$14.65	\$0.00	\$60.85
	06/01/2018	\$39.55	\$7.60	\$14.65	\$0.00	\$61.80
	12/01/2018	\$40.50	\$7.60	\$14.65	\$0.00	\$62.75
	06/01/2019	\$41.50	\$7.60	\$14.65	\$0.00	\$63.75
	12/01/2019	\$42.50	\$7.60	\$14.65	\$0.00	\$64.75

For apprentice rates see "Apprentice- LABORER"

DEMO: CONCRETE CUTTER/SAWYER LABORERS - ZONE 3 (BUILDING & SITE)	06/01/2017	\$38.00	\$7.60	\$14.65	\$0.00	\$60.25
	12/01/2017	\$38.85	\$7.60	\$14.65	\$0.00	\$61.10
	06/01/2018	\$39.80	\$7.60	\$14.65	\$0.00	\$62.05
	12/01/2018	\$40.75	\$7.60	\$14.65	\$0.00	\$63.00
	06/01/2019	\$41.75	\$7.60	\$14.65	\$0.00	\$64.00
	12/01/2019	\$42.75	\$7.60	\$14.65	\$0.00	\$65.00

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
DEMO: JACKHAMMER OPERATOR <i>LABORERS - ZONE 3 (BUILDING &amp; SITE)</i>	06/01/2017	\$37.75	\$7.60	\$14.65	\$0.00	\$60.00
	12/01/2017	\$38.60	\$7.60	\$14.65	\$0.00	\$60.85
	06/01/2018	\$39.55	\$7.60	\$14.65	\$0.00	\$61.80
	12/01/2018	\$40.50	\$7.60	\$14.65	\$0.00	\$62.75
	06/01/2019	\$41.50	\$7.60	\$14.65	\$0.00	\$63.75
	12/01/2019	\$42.50	\$7.60	\$14.65	\$0.00	\$64.75
For apprentice rates see "Apprentice- LABORER"						
DEMO: WRECKING LABORER <i>LABORERS - ZONE 3 (BUILDING &amp; SITE)</i>	06/01/2017	\$37.00	\$7.60	\$14.65	\$0.00	\$59.25
	12/01/2017	\$37.85	\$7.60	\$14.65	\$0.00	\$60.10
	06/01/2018	\$38.80	\$7.60	\$14.65	\$0.00	\$61.05
	12/01/2018	\$39.75	\$7.60	\$14.65	\$0.00	\$62.00
	06/01/2019	\$40.75	\$7.60	\$14.65	\$0.00	\$63.00
	12/01/2019	\$41.75	\$7.60	\$14.65	\$0.00	\$64.00
For apprentice rates see "Apprentice- LABORER"						
DIVER <i>PILE DRIVER LOCAL 56 (ZONE 3)</i>	08/01/2015	\$60.34	\$9.80	\$18.17	\$0.00	\$88.31
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER TENDER <i>PILE DRIVER LOCAL 56 (ZONE 3)</i>	08/01/2015	\$43.10	\$9.80	\$18.17	\$0.00	\$71.07
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER TENDER (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 3)</i>	08/01/2015	\$64.65	\$9.80	\$18.17	\$0.00	\$92.62
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER/SLURRY (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 3)</i>	08/01/2015	\$90.51	\$9.80	\$18.17	\$0.00	\$118.48
For apprentice rates see "Apprentice- PILE DRIVER"						
ELECTRICIAN (Including Core Drilling) <i>ELECTRICIANS LOCAL 7</i>	07/02/2017	\$40.01	\$9.60	\$11.20	\$0.00	\$60.81
	12/31/2017	\$40.51	\$10.00	\$11.42	\$0.00	\$61.93
	07/01/2018	\$41.21	\$10.25	\$11.74	\$0.00	\$63.20
	12/30/2018	\$41.91	\$10.50	\$12.06	\$0.00	\$64.47
	06/30/2019	\$42.66	\$10.75	\$12.33	\$0.00	\$65.74
	12/29/2019	\$43.41	\$11.00	\$12.60	\$0.00	\$67.01

**Classification**

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

**Apprentice - ELECTRICIAN - Local 7**

**Effective Date - 07/02/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$16.00	\$5.25	\$0.48	\$0.00	\$21.73
2	45	\$18.00	\$5.25	\$0.54	\$0.00	\$23.79
3	50	\$20.01	\$9.60	\$6.90	\$0.00	\$36.51
4	55	\$22.01	\$9.60	\$6.96	\$0.00	\$38.57
5	65	\$26.01	\$9.60	\$8.08	\$0.00	\$43.69
6	70	\$28.01	\$9.60	\$9.14	\$0.00	\$46.75

**Effective Date - 12/31/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$16.20	\$5.40	\$0.49	\$0.00	\$22.09
2	45	\$18.23	\$5.40	\$0.55	\$0.00	\$24.18
3	50	\$20.26	\$10.00	\$6.91	\$0.00	\$37.17
4	55	\$22.28	\$10.00	\$6.97	\$0.00	\$39.25
5	65	\$26.33	\$10.00	\$8.09	\$0.00	\$44.42
6	70	\$28.36	\$10.00	\$9.15	\$0.00	\$47.51

**Notes:**

Steps 1-2 are 1000 hrs; Steps 3-6 are 1500 hrs.

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

ELEVATOR CONSTRUCTOR ELEVATOR CONSTRUCTORS LOCAL 41	01/01/2017	\$49.90	\$15.28	\$15.71	\$0.00	\$80.89
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**Apprentice - ELEVATOR CONSTRUCTOR - Local 41**

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

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.95	\$15.28	\$15.71	\$0.00	\$55.94
2	55	\$27.45	\$15.28	\$15.71	\$0.00	\$58.44
3	65	\$32.44	\$15.28	\$15.71	\$0.00	\$63.43
4	70	\$34.93	\$15.28	\$15.71	\$0.00	\$65.92
5	80	\$39.92	\$15.28	\$15.71	\$0.00	\$70.91

**Notes:**

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

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

ELEVATOR CONSTRUCTOR HELPER ELEVATOR CONSTRUCTORS LOCAL 41	01/01/2017	\$34.93	\$15.28	\$15.71	\$0.00	\$65.92
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For apprentice rates see "Apprentice - ELEVATOR CONSTRUCTOR"

FENCE & GUARD RAIL ERECTOR (HEAVY & HIGHWAY) LABORERS - ZONE 3 (HEAVY & HIGHWAY)	12/01/2016	\$29.75	\$7.60	\$10.62	\$0.00	\$47.97
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For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
FIELD ENG.INST/ROD-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 98</i>	06/01/1999	\$18.84	\$4.80	\$4.10	\$0.00	\$27.74
FIELD ENG.PARTY CHIEF:BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 98</i>	06/01/1999	\$21.33	\$4.80	\$4.10	\$0.00	\$30.23
FIELD ENG.SURVEY CHIEF-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 98</i>	06/01/1999	\$22.33	\$4.80	\$4.10	\$0.00	\$31.23
FIRE ALARM INSTALLER <i>ELECTRICIANS LOCAL 7</i>	07/02/2017	\$40.01	\$9.60	\$11.20	\$0.00	\$60.81
	12/31/2017	\$40.51	\$10.00	\$11.42	\$0.00	\$61.93
	07/01/2018	\$41.21	\$10.25	\$11.74	\$0.00	\$63.20
	12/30/2018	\$41.91	\$10.50	\$12.06	\$0.00	\$64.47
	06/30/2019	\$42.66	\$10.75	\$12.33	\$0.00	\$65.74
	12/29/2019	\$43.41	\$11.00	\$12.60	\$0.00	\$67.01
For apprentice rates see "Apprentice- ELECTRICIAN"						
FIRE ALARM REPAIR / MAINTENANCE / COMMISSIONING <i>ELECTRICIANS LOCAL 7</i>	07/02/2017	\$40.01	\$9.60	\$11.20	\$0.00	\$60.81
	12/31/2017	\$40.51	\$10.00	\$11.42	\$0.00	\$61.93
	07/01/2018	\$41.21	\$10.25	\$11.74	\$0.00	\$63.20
	12/30/2018	\$41.91	\$10.50	\$12.06	\$0.00	\$64.47
	06/30/2019	\$42.66	\$10.75	\$12.33	\$0.00	\$65.74
	12/29/2019	\$43.41	\$11.00	\$12.60	\$0.00	\$67.01
For apprentice rates see "Apprentice- TELECOMMUNICATIONS TECHNICIAN"						
FIREMAN <i>OPERATING ENGINEERS LOCAL 98</i>	06/01/2017	\$33.35	\$10.79	\$12.75	\$0.00	\$56.89
	12/01/2017	\$33.95	\$10.79	\$13.02	\$0.00	\$57.76
	06/01/2018	\$34.56	\$10.79	\$13.29	\$0.00	\$58.64
	12/01/2018	\$35.16	\$10.79	\$13.56	\$0.00	\$59.51
	06/01/2019	\$35.67	\$10.79	\$13.83	\$0.00	\$60.29
	12/01/2019	\$36.27	\$10.79	\$14.10	\$0.00	\$61.16

**Apprentice - OPERATING ENGINEERS - Local 98 Class 3**

**Effective Date - 06/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$20.01	\$10.79	\$12.75	\$0.00	\$43.55
2	70	\$23.35	\$10.79	\$12.75	\$0.00	\$46.89
3	80	\$26.68	\$10.79	\$12.75	\$0.00	\$50.22
4	90	\$30.02	\$10.79	\$12.75	\$0.00	\$53.56

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

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$20.37	\$10.79	\$13.02	\$0.00	\$44.18
2	70	\$23.77	\$10.79	\$13.02	\$0.00	\$47.58
3	80	\$27.16	\$10.79	\$13.02	\$0.00	\$50.97
4	90	\$30.56	\$10.79	\$13.02	\$0.00	\$54.37

**Notes:**

Steps 1-2 are 1000 hrs.; Steps 3-4 are 2000 hrs.

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

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
FLAGGER & SIGNALER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 3 (HEAVY &amp; HIGHWAY)</i>	12/01/2016	\$20.50	\$7.60	\$10.62	\$0.00	\$38.72
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)						
FLOORCOVERER <i>FLOORCOVERERS LOCAL 2168 ZONE III</i>	03/01/2016	\$32.60	\$8.55	\$14.42	\$0.00	\$55.57

**Apprentice - FLOORCOVERER - Local 2168 Zone III**

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

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$16.30	\$8.55	\$1.20	\$0.00	\$26.05
2	55	\$17.93	\$8.55	\$1.20	\$0.00	\$27.68
3	60	\$19.56	\$8.55	\$10.82	\$0.00	\$38.93
4	65	\$21.19	\$8.55	\$10.82	\$0.00	\$40.56
5	70	\$22.82	\$8.55	\$12.02	\$0.00	\$43.39
6	75	\$24.45	\$8.55	\$12.02	\$0.00	\$45.02
7	80	\$26.08	\$8.55	\$13.22	\$0.00	\$47.85
8	85	\$27.71	\$8.55	\$13.22	\$0.00	\$49.48

**Notes:**

Steps are 750 hrs.

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

FORK LIFT <i>OPERATING ENGINEERS LOCAL 98</i>	06/01/2017	\$33.57	\$10.79	\$12.75	\$0.00	\$57.11
	12/01/2017	\$34.17	\$10.79	\$13.02	\$0.00	\$57.98
	06/01/2018	\$34.78	\$10.79	\$13.29	\$0.00	\$58.86
	12/01/2018	\$35.38	\$10.79	\$13.56	\$0.00	\$59.73
	06/01/2019	\$35.89	\$10.79	\$13.83	\$0.00	\$60.51
	12/01/2019	\$36.49	\$10.79	\$14.10	\$0.00	\$61.38
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
GENERATORS/LIGHTING PLANTS <i>OPERATING ENGINEERS LOCAL 98</i>	06/01/2017	\$30.12	\$10.79	\$12.75	\$0.00	\$53.66
	12/01/2017	\$30.72	\$10.79	\$13.02	\$0.00	\$54.53
	06/01/2018	\$31.33	\$10.79	\$13.29	\$0.00	\$55.41
	12/01/2018	\$31.93	\$10.79	\$13.56	\$0.00	\$56.28
	06/01/2019	\$32.44	\$10.79	\$13.83	\$0.00	\$57.06
	12/01/2019	\$33.04	\$10.79	\$14.10	\$0.00	\$57.93
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS) <i>GLAZIERS LOCAL 1333</i>	06/01/2017	\$36.28	\$10.25	\$8.95	\$0.00	\$55.48
	06/01/2018	\$37.18	\$10.40	\$9.35	\$0.00	\$56.93
	06/01/2019	\$38.18	\$10.60	\$9.90	\$0.00	\$58.68
	06/01/2020	\$39.18	\$10.80	\$10.45	\$0.00	\$60.43

**Classification**

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

**Apprentice - GLAZIER - Local 1333**

**Effective Date - 06/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.14	\$10.25	\$1.45	\$0.00	\$29.84
2	56	\$20.41	\$10.25	\$1.45	\$0.00	\$32.11
3	63	\$22.68	\$10.25	\$1.95	\$0.00	\$34.88
4	69	\$24.94	\$10.25	\$1.95	\$0.00	\$37.14
5	75	\$27.21	\$10.25	\$2.45	\$0.00	\$39.91
6	81	\$29.48	\$10.25	\$2.45	\$0.00	\$42.18
7	88	\$31.75	\$10.25	\$8.95	\$0.00	\$50.95
8	94	\$34.01	\$10.25	\$8.95	\$0.00	\$53.21

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

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.59	\$10.40	\$1.60	\$0.00	\$30.59
2	56	\$20.91	\$10.40	\$1.60	\$0.00	\$32.91
3	63	\$23.24	\$10.40	\$2.10	\$0.00	\$35.74
4	69	\$25.56	\$10.40	\$2.10	\$0.00	\$38.06
5	75	\$27.89	\$10.40	\$2.60	\$0.00	\$40.89
6	81	\$30.21	\$10.40	\$2.60	\$0.00	\$43.21
7	88	\$32.53	\$10.40	\$9.35	\$0.00	\$52.28
8	94	\$34.86	\$10.40	\$9.35	\$0.00	\$54.61

**Notes:**

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

GRADER/TRENCHING MACHINE/DERRICK OPERATING ENGINEERS LOCAL 98	06/01/2017	\$33.88	\$10.79	\$12.75	\$0.00	\$57.42
	12/01/2017	\$34.48	\$10.79	\$13.02	\$0.00	\$58.29
	06/01/2018	\$35.09	\$10.79	\$13.29	\$0.00	\$59.17
	12/01/2018	\$35.69	\$10.79	\$13.56	\$0.00	\$60.04
	06/01/2019	\$36.20	\$10.79	\$13.83	\$0.00	\$60.82
	12/01/2019	\$36.80	\$10.79	\$14.10	\$0.00	\$61.69

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

HVAC (DUCTWORK) SHEETMETAL WORKERS LOCAL 63	01/01/2017	\$32.24	\$10.64	\$15.49	\$1.75	\$60.12
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For apprentice rates see "Apprentice- SHEET METAL WORKER"

HVAC (ELECTRICAL CONTROLS) ELECTRICIANS LOCAL 7	07/02/2017	\$40.01	\$9.60	\$11.20	\$0.00	\$60.81
	12/31/2017	\$40.51	\$10.00	\$11.42	\$0.00	\$61.93
	07/01/2018	\$41.21	\$10.25	\$11.74	\$0.00	\$63.20
	12/30/2018	\$41.91	\$10.50	\$12.06	\$0.00	\$64.47
	06/30/2019	\$42.66	\$10.75	\$12.33	\$0.00	\$65.74
	12/29/2019	\$43.41	\$11.00	\$12.60	\$0.00	\$67.01

For apprentice rates see "Apprentice- ELECTRICIAN"

HVAC (TESTING AND BALANCING - AIR) SHEETMETAL WORKERS LOCAL 63	01/01/2017	\$32.24	\$10.64	\$15.49	\$1.75	\$60.12
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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- SHEET METAL WORKER"						
HVAC (TESTING AND BALANCING -WATER) <i>PLUMBERS &amp; PIPEFITTERS LOCAL 104</i>	03/17/2017	\$39.26	\$8.50	\$15.30	\$0.00	\$63.06
	09/17/2017	\$40.01	\$8.50	\$15.30	\$0.00	\$63.81
	03/17/2018	\$40.76	\$8.50	\$15.30	\$0.00	\$64.56
	09/17/2018	\$41.51	\$8.50	\$15.30	\$0.00	\$65.31
	03/17/2019	\$42.26	\$8.50	\$15.30	\$0.00	\$66.06
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HVAC MECHANIC <i>PLUMBERS &amp; PIPEFITTERS LOCAL 104</i>	03/17/2017	\$39.26	\$8.50	\$15.30	\$0.00	\$63.06
	09/17/2017	\$40.01	\$8.50	\$15.30	\$0.00	\$63.81
	03/17/2018	\$40.76	\$8.50	\$15.30	\$0.00	\$64.56
	09/17/2018	\$41.51	\$8.50	\$15.30	\$0.00	\$65.31
	03/17/2019	\$42.26	\$8.50	\$15.30	\$0.00	\$66.06
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HYDRAULIC DRILLS (HEAVY & HIGHWAY) <i>LABORERS - ZONE 3 (HEAVY &amp; HIGHWAY)</i>	12/01/2016	\$30.25	\$7.60	\$10.62	\$0.00	\$48.47
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
INSULATOR (PIPES & TANKS) <i>HEAT &amp; FROST INSULATORS LOCAL 6 (SPRINGFIELD)</i>	09/01/2016	\$36.07	\$11.75	\$14.20	\$0.00	\$62.02
	09/01/2017	\$37.67	\$11.75	\$14.20	\$0.00	\$63.62
	09/01/2018	\$39.47	\$11.75	\$14.20	\$0.00	\$65.42
	09/01/2019	\$41.47	\$11.75	\$14.20	\$0.00	\$67.42

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

**Effective Date - 09/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.04	\$11.75	\$10.45	\$0.00	\$40.24
2	60	\$21.64	\$11.75	\$11.20	\$0.00	\$44.59
3	70	\$25.25	\$11.75	\$11.95	\$0.00	\$48.95
4	80	\$28.86	\$11.75	\$12.70	\$0.00	\$53.31

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

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.84	\$11.75	\$10.45	\$0.00	\$41.04
2	60	\$22.60	\$11.75	\$11.20	\$0.00	\$45.55
3	70	\$26.37	\$11.75	\$11.95	\$0.00	\$50.07
4	80	\$30.14	\$11.75	\$12.70	\$0.00	\$54.59

**Notes:**

Steps are 1 year

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

IRONWORKER/WELDER <i>IRONWORKERS LOCAL 7 (SPRINGFIELD AREA)</i>	03/16/2017	\$32.39	\$7.80	\$19.60	\$0.00	\$59.79
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**Classification**

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

**Apprentice - IRONWORKER - Local 7 Springfield**

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

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$19.43	\$7.80	\$19.60	\$0.00	\$46.83
2	70	\$22.67	\$7.80	\$19.60	\$0.00	\$50.07
3	75	\$24.29	\$7.80	\$19.60	\$0.00	\$51.69
4	80	\$25.91	\$7.80	\$19.60	\$0.00	\$53.31
5	85	\$27.53	\$7.80	\$19.60	\$0.00	\$54.93
6	90	\$29.15	\$7.80	\$19.60	\$0.00	\$56.55

**Notes:**

Structural 1:6; Ornamental 1:4

**Apprentice to Journeyworker Ratio:**

JACKHAMMER & PAVING BREAKER OPERATOR LABORERS - ZONE 3 (BUILDING & SITE)	12/05/2016	\$29.83	\$7.60	\$12.50	\$0.00	\$49.93
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For apprentice rates see "Apprentice- LABORER"

LABORER LABORERS - ZONE 3 (BUILDING & SITE)	12/05/2016	\$29.58	\$7.60	\$12.50	\$0.00	\$49.68
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**Apprentice - LABORER - Zone 3 Building & Site**

**Effective Date - 12/05/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$17.75	\$7.60	\$12.50	\$0.00	\$37.85
2	70	\$20.71	\$7.60	\$12.50	\$0.00	\$40.81
3	80	\$23.66	\$7.60	\$12.50	\$0.00	\$43.76
4	90	\$26.62	\$7.60	\$12.50	\$0.00	\$46.72

**Notes:**

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

LABORER (HEAVY & HIGHWAY) LABORERS - ZONE 3 (HEAVY & HIGHWAY)	12/01/2016	\$29.50	\$7.60	\$10.62	\$0.00	\$47.72
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**Apprentice - LABORER (Heavy & Highway) - Zone 3**

**Effective Date - 12/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$17.70	\$7.60	\$10.62	\$0.00	\$35.92
2	70	\$20.65	\$7.60	\$10.62	\$0.00	\$38.87
3	80	\$23.60	\$7.60	\$10.62	\$0.00	\$41.82
4	90	\$26.55	\$7.60	\$10.62	\$0.00	\$44.77

**Notes:**

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

LABORER: CARPENTER TENDER <i>LABORERS - ZONE 3 (BUILDING &amp; SITE)</i>	12/05/2016	\$29.58	\$7.60	\$12.50	\$0.00	\$49.68
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For apprentice rates see "Apprentice- LABORER"

LABORER: CEMENT FINISHER TENDER <i>LABORERS - ZONE 3 (BUILDING &amp; SITE)</i>	12/05/2016	\$29.83	\$7.60	\$12.50	\$0.00	\$49.93
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For apprentice rates see "Apprentice- LABORER"

LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER <i>LABORERS - ZONE 3 (BUILDING &amp; SITE)</i>	06/01/2017	\$30.18	\$7.60	\$12.77	\$0.00	\$50.55
	12/01/2017	\$30.94	\$7.60	\$12.77	\$0.00	\$51.31
	06/01/2018	\$31.72	\$7.60	\$12.77	\$0.00	\$52.09
	12/01/2018	\$32.49	\$7.60	\$12.77	\$0.00	\$52.86
	06/01/2019	\$33.30	\$7.60	\$12.77	\$0.00	\$53.67
	12/01/2019	\$34.11	\$7.60	\$12.77	\$0.00	\$54.48

For apprentice rates see "Apprentice- LABORER"

LABORER: MASON TENDER <i>LABORERS - ZONE 3 (BUILDING &amp; SITE)</i>	12/05/2016	\$30.58	\$7.60	\$12.50	\$0.00	\$50.68
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For apprentice rates see "Apprentice- LABORER"

LABORER: MASON TENDER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 3 (HEAVY &amp; HIGHWAY)</i>	12/01/2016	\$29.75	\$7.60	\$10.62	\$0.00	\$47.97
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For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"

LABORER: MULTI-TRADE TENDER <i>LABORERS - ZONE 3 (BUILDING &amp; SITE)</i>	12/05/2016	\$29.58	\$7.60	\$12.50	\$0.00	\$49.68
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For apprentice rates see "Apprentice- LABORER"

LABORER: TREE REMOVER <i>LABORERS - ZONE 3 (BUILDING &amp; SITE)</i>	12/05/2016	\$29.58	\$7.60	\$12.50	\$0.00	\$49.68
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This classification applies to all tree work associated with the removal of standing trees, and trimming and removal of branches and limbs when the work is not done for a utility company for the purpose of operation, maintenance or repair of utility company equipment. For apprentice rates see "Apprentice- LABORER"

LASER BEAM OPERATOR <i>LABORERS - ZONE 3 (BUILDING &amp; SITE)</i>	12/05/2016	\$29.83	\$7.60	\$12.50	\$0.00	\$49.93
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For apprentice rates see "Apprentice- LABORER"

LASER BEAM OPERATOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 3 (HEAVY &amp; HIGHWAY)</i>	12/01/2016	\$29.75	\$7.60	\$10.62	\$0.00	\$47.97
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For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"

MARBLE & TILE FINISHERS <i>BRICKLAYERS LOCAL 3 (SPR/PITT) - MARBLE &amp; TILE</i>	02/27/2017	\$32.67	\$10.75	\$17.05	\$0.00	\$60.47
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**Classification**

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

**Apprentice - MARBLE-TILE-TERRAZZO FINISHER-Local 3 Marble/Tile (Spr/Pitt)**

**Effective Date - 02/27/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$16.34	\$10.75	\$17.05	\$0.00	\$44.14
2	60	\$19.60	\$10.75	\$17.05	\$0.00	\$47.40
3	70	\$22.87	\$10.75	\$17.05	\$0.00	\$50.67
4	80	\$26.14	\$10.75	\$17.05	\$0.00	\$53.94
5	90	\$29.40	\$10.75	\$17.05	\$0.00	\$57.20

**Notes:**

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

MARBLE MASONS, TILELAYERS & TERRAZZO MECH BRICKLAYERS LOCAL 3 (SPR/PITT) - MARBLE & TILE	02/27/2017	\$39.26	\$10.75	\$17.38	\$0.00	\$67.39
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**Apprentice - MARBLE-TILE-TERRAZZO MECH - Local 3 Marble/Tile (Spr/Pitt)**

**Effective Date - 02/27/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.63	\$10.75	\$17.38	\$0.00	\$47.76
2	60	\$23.56	\$10.75	\$17.38	\$0.00	\$51.69
3	70	\$27.48	\$10.75	\$17.38	\$0.00	\$55.61
4	80	\$31.41	\$10.75	\$17.38	\$0.00	\$59.54
5	90	\$35.33	\$10.75	\$17.38	\$0.00	\$63.46

**Notes:**

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

MECH. SWEEPER OPERATOR (ON CONST. SITES) OPERATING ENGINEERS LOCAL 98	06/01/2017	\$33.88	\$10.79	\$12.75	\$0.00	\$57.42
	12/01/2017	\$34.48	\$10.79	\$13.02	\$0.00	\$58.29
	06/01/2018	\$35.09	\$10.79	\$13.29	\$0.00	\$59.17
	12/01/2018	\$35.69	\$10.79	\$13.56	\$0.00	\$60.04
	06/01/2019	\$36.20	\$10.79	\$13.83	\$0.00	\$60.82
	12/01/2019	\$36.80	\$10.79	\$14.10	\$0.00	\$61.69

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

MECHANIC/WELDER/BOOM TRUCK OPERATING ENGINEERS LOCAL 98	06/01/2017	\$33.35	\$10.79	\$12.75	\$0.00	\$56.89
	12/01/2017	\$33.95	\$10.79	\$13.02	\$0.00	\$57.76
	06/01/2018	\$34.56	\$10.79	\$13.29	\$0.00	\$58.64
	12/01/2018	\$35.16	\$10.79	\$13.56	\$0.00	\$59.51
	06/01/2019	\$35.67	\$10.79	\$13.83	\$0.00	\$60.29
	12/01/2019	\$36.27	\$10.79	\$14.10	\$0.00	\$61.16

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
MILLWRIGHT (Zone 3)	04/01/2017	\$33.81	\$9.90	\$18.50	\$0.00	\$62.21
MILLWRIGHTS LOCAL 1121 - Zone 3	10/01/2017	\$34.64	\$9.90	\$18.50	\$0.00	\$63.04
	04/01/2018	\$35.46	\$9.90	\$18.50	\$0.00	\$63.86
	10/01/2018	\$36.29	\$9.90	\$18.50	\$0.00	\$64.69
	04/01/2019	\$37.11	\$9.90	\$18.50	\$0.00	\$65.51

**Apprentice - MILLWRIGHT - Local 1121 Zone 3**

**Effective Date - 04/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$18.60	\$9.90	\$5.31	\$0.00	\$33.81
2	65	\$21.98	\$9.90	\$15.13	\$0.00	\$47.01
3	75	\$25.36	\$9.90	\$16.10	\$0.00	\$51.36
4	85	\$28.74	\$9.90	\$17.06	\$0.00	\$55.70

**Effective Date - 10/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$19.05	\$9.90	\$5.31	\$0.00	\$34.26
2	65	\$22.52	\$9.90	\$15.13	\$0.00	\$47.55
3	75	\$25.98	\$9.90	\$16.10	\$0.00	\$51.98
4	85	\$29.44	\$9.90	\$17.06	\$0.00	\$56.40

**Notes:**

Steps are 2,000 hours

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

MORTAR MIXER	12/05/2016	\$29.83	\$7.60	\$12.50	\$0.00	\$49.93
LABORERS - ZONE 3 (BUILDING & SITE)						

For apprentice rates see "Apprentice- LABORER"

OILER	06/01/2017	\$29.04	\$10.79	\$12.75	\$0.00	\$52.58
OPERATING ENGINEERS LOCAL 98	12/01/2017	\$29.64	\$10.79	\$13.02	\$0.00	\$53.45
	06/01/2018	\$30.25	\$10.79	\$13.29	\$0.00	\$54.33
	12/01/2018	\$30.85	\$10.79	\$13.56	\$0.00	\$55.20
	06/01/2019	\$31.36	\$10.79	\$13.83	\$0.00	\$55.98
	12/01/2019	\$31.96	\$10.79	\$14.10	\$0.00	\$56.85

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

OTHER POWER DRIVEN EQUIPMENT - CLASS VI	06/01/2017	\$27.06	\$10.79	\$12.75	\$0.00	\$50.60
OPERATING ENGINEERS LOCAL 98	12/01/2017	\$27.66	\$10.79	\$13.02	\$0.00	\$51.47
	06/01/2018	\$28.27	\$10.79	\$13.29	\$0.00	\$52.35
	12/01/2018	\$28.87	\$10.79	\$13.56	\$0.00	\$53.22
	06/01/2019	\$29.38	\$10.79	\$13.83	\$0.00	\$54.00
	12/01/2019	\$29.98	\$10.79	\$14.10	\$0.00	\$54.87

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

PAINTER (BRIDGES/TANKS)	01/01/2017	\$51.41	\$7.85	\$16.10	\$0.00	\$75.36
PAINTERS LOCAL 35 - ZONE 3						

**Classification**

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

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

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

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$25.71	\$7.85	\$0.00	\$0.00	\$33.56
2	55	\$28.28	\$7.85	\$3.66	\$0.00	\$39.79
3	60	\$30.85	\$7.85	\$3.99	\$0.00	\$42.69
4	65	\$33.42	\$7.85	\$4.32	\$0.00	\$45.59
5	70	\$35.99	\$7.85	\$14.11	\$0.00	\$57.95
6	75	\$38.56	\$7.85	\$14.44	\$0.00	\$60.85
7	80	\$41.13	\$7.85	\$14.77	\$0.00	\$63.75
8	90	\$46.27	\$7.85	\$15.44	\$0.00	\$69.56

**Notes:**

Steps are 750 hrs.

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

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PAINTER (SPRAY OR SANDBLAST, NEW) *	01/01/2017	\$34.68	\$7.85	\$12.30	\$0.00	\$54.83
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\* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. *PAINTERS LOCAL 35 - ZONE 3*

**Apprentice - PAINTER Local 35 Zone 3 - Spray/Sandblast - New**

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

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$17.34	\$7.85	\$0.00	\$0.00	\$25.19
2	55	\$19.07	\$7.85	\$1.57	\$0.00	\$28.49
3	60	\$20.81	\$7.85	\$1.71	\$0.00	\$30.37
4	65	\$22.54	\$7.85	\$1.85	\$0.00	\$32.24
5	70	\$24.28	\$7.85	\$11.45	\$0.00	\$43.58
6	75	\$26.01	\$7.85	\$11.59	\$0.00	\$45.45
7	80	\$27.74	\$7.85	\$11.73	\$0.00	\$47.32
8	90	\$31.21	\$7.85	\$12.02	\$0.00	\$51.08

**Notes:**

Steps are 750 hrs.

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

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PAINTER (SPRAY OR SANDBLAST, REPAINT)	01/01/2017	\$32.00	\$7.85	\$12.30	\$0.00	\$52.15
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*PAINTERS LOCAL 35 - ZONE 3*



**Apprentice - PAINTER Local 35 Zone 3 - BRUSH REPAINT**

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

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$15.30	\$7.85	\$0.00	\$0.00	\$23.15
2	55	\$16.83	\$7.85	\$1.57	\$0.00	\$26.25
3	60	\$18.36	\$7.85	\$1.71	\$0.00	\$27.92
4	65	\$19.89	\$7.85	\$1.85	\$0.00	\$29.59
5	70	\$21.42	\$7.85	\$11.45	\$0.00	\$40.72
6	75	\$22.95	\$7.85	\$11.59	\$0.00	\$42.39
7	80	\$24.48	\$7.85	\$11.73	\$0.00	\$44.06
8	90	\$27.54	\$7.85	\$12.02	\$0.00	\$47.41

**Notes:**  
Steps are 750 hrs.

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

PAINTER TRAFFIC MARKINGS (HEAVY/HIGHWAY) <i>LABORERS - ZONE 3 (HEAVY &amp; HIGHWAY)</i>	12/01/2016	\$29.50	\$7.60	\$10.62	\$0.00	\$47.72
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)						
PANEL & PICKUP TRUCKS DRIVER <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2012	\$30.28	\$9.07	\$8.00	\$0.00	\$47.35
PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK) <i>PILE DRIVER LOCAL 56 (ZONE 3)</i>	08/31/2015	\$39.00	\$9.80	\$18.17	\$0.00	\$66.97
For apprentice rates see "Apprentice- PILE DRIVER"						
PILE DRIVER <i>PILE DRIVER LOCAL 56 (ZONE 3)</i>	08/31/2015	\$39.00	\$9.80	\$18.17	\$0.00	\$66.97

**Apprentice - PILE DRIVER - Local 56 Zone 3**

**Effective Date - 08/31/2015**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

**Notes:** Apprentice wages shall be no less than the following Steps;  
(Same as set in Zone 1)  
1\$50.05/2\$54.25/3\$58.46/4\$60.56/5\$62.66/6\$62.66/7\$66.87/8\$66.87

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

PIPELAYER <i>LABORERS - ZONE 3 (BUILDING &amp; SITE)</i>	12/05/2016	\$29.83	\$7.60	\$12.50	\$0.00	\$49.93
For apprentice rates see "Apprentice- LABORER"						
PIPELAYER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 3 (HEAVY &amp; HIGHWAY)</i>	12/01/2016	\$29.75	\$7.60	\$10.62	\$0.00	\$47.97
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
PLUMBER & PIPEFITTER <i>PLUMBERS &amp; PIPEFITTERS LOCAL 104</i>	03/17/2017	\$39.26	\$8.50	\$15.30	\$0.00	\$63.06
	09/17/2017	\$40.01	\$8.50	\$15.30	\$0.00	\$63.81
	03/17/2018	\$40.76	\$8.50	\$15.30	\$0.00	\$64.56
	09/17/2018	\$41.51	\$8.50	\$15.30	\$0.00	\$65.31
	03/17/2019	\$42.26	\$8.50	\$15.30	\$0.00	\$66.06

**Apprentice - PLUMBER/PIPEFITTER - Local 104**

**Effective Date - 03/17/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	45	\$17.67	\$8.50	\$9.05	\$0.00	\$35.22
2	50	\$19.63	\$8.50	\$9.05	\$0.00	\$37.18
3	55	\$21.59	\$8.50	\$9.05	\$0.00	\$39.14
4	60	\$23.56	\$8.50	\$9.05	\$0.00	\$41.11
5	65	\$25.52	\$8.50	\$9.05	\$0.00	\$43.07
6	70	\$27.48	\$8.50	\$9.05	\$0.00	\$45.03
7	75	\$29.45	\$8.50	\$9.05	\$0.00	\$47.00
8	80	\$31.41	\$8.50	\$9.05	\$0.00	\$48.96
9	80	\$31.41	\$8.50	\$15.30	\$0.00	\$55.21
10	80	\$31.41	\$8.50	\$15.30	\$0.00	\$55.21

**Effective Date - 09/17/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	45	\$18.00	\$8.50	\$9.05	\$0.00	\$35.55
2	50	\$20.01	\$8.50	\$9.05	\$0.00	\$37.56
3	55	\$22.01	\$8.50	\$9.05	\$0.00	\$39.56
4	60	\$24.01	\$8.50	\$9.05	\$0.00	\$41.56
5	65	\$26.01	\$8.50	\$9.05	\$0.00	\$43.56
6	70	\$28.01	\$8.50	\$9.05	\$0.00	\$45.56
7	75	\$30.01	\$8.50	\$9.05	\$0.00	\$47.56
8	80	\$32.01	\$8.50	\$9.05	\$0.00	\$49.56
9	80	\$32.01	\$8.50	\$15.30	\$0.00	\$55.81
10	80	\$32.01	\$8.50	\$15.30	\$0.00	\$55.81

**Notes: \*\*1:1,2:5,3:9,4:12**

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

PNEUMATIC CONTROLS (TEMP.) <i>PLUMBERS &amp; PIPEFITTERS LOCAL 104</i>	03/17/2017	\$39.26	\$8.50	\$15.30	\$0.00	\$63.06
	09/17/2017	\$40.01	\$8.50	\$15.30	\$0.00	\$63.81
	03/17/2018	\$40.76	\$8.50	\$15.30	\$0.00	\$64.56
	09/17/2018	\$41.51	\$8.50	\$15.30	\$0.00	\$65.31
	03/17/2019	\$42.26	\$8.50	\$15.30	\$0.00	\$66.06

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

PNEUMATIC DRILL/TOOL OPERATOR (HEAVY & HIGHWAY)	12/01/2016	\$29.75	\$7.60	\$10.62	\$0.00	\$47.97
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*LABORERS - ZONE 3 (HEAVY & HIGHWAY)*

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



Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
POWDERMAN & BLASTER <i>LABORERS - ZONE 3 (BUILDING &amp; SITE)</i>	12/05/2016	\$30.58	\$7.60	\$12.50	\$0.00	\$50.68
For apprentice rates see "Apprentice- LABORER"						
POWDERMAN & BLASTER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 3 (HEAVY &amp; HIGHWAY)</i>	12/01/2016	\$30.50	\$7.60	\$10.62	\$0.00	\$48.72
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
PUMP OPERATOR (CONCRETE) <i>OPERATING ENGINEERS LOCAL 98</i>	06/01/2017	\$33.88	\$10.79	\$12.75	\$0.00	\$57.42
	12/01/2017	\$34.48	\$10.79	\$13.02	\$0.00	\$58.29
	06/01/2018	\$35.09	\$10.79	\$13.29	\$0.00	\$59.17
	12/01/2018	\$35.69	\$10.79	\$13.56	\$0.00	\$60.04
	06/01/2019	\$36.20	\$10.79	\$13.83	\$0.00	\$60.82
	12/01/2019	\$36.80	\$10.79	\$14.10	\$0.00	\$61.69
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (DEWATERING, OTHER) <i>OPERATING ENGINEERS LOCAL 98</i>	06/01/2017	\$33.35	\$10.79	\$12.75	\$0.00	\$56.89
	12/01/2017	\$33.95	\$10.79	\$13.02	\$0.00	\$57.76
	06/01/2018	\$34.56	\$10.79	\$13.29	\$0.00	\$58.64
	12/01/2018	\$35.16	\$10.79	\$13.56	\$0.00	\$59.51
	06/01/2019	\$35.67	\$10.79	\$13.83	\$0.00	\$60.29
	12/01/2019	\$36.27	\$10.79	\$14.10	\$0.00	\$61.16
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
READY-MIX CONCRETE DRIVER <i>TEAMSTERS LOCAL 404</i>	05/01/2016	\$21.01	\$10.23	\$9.40	\$0.00	\$40.64
RESIDENTIAL WOOD FRAME CARPENTER **	04/01/2017	\$22.08	\$7.07	\$7.18	\$0.00	\$36.33
** 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. <i>CARPENTERS LOCAL 108 - HAMPDEN HAMPSHIRE FRANKLIN</i>	10/01/2017	\$22.63	\$7.07	\$7.18	\$0.00	\$36.88
	04/01/2018	\$23.01	\$7.07	\$7.18	\$0.00	\$37.26
	10/01/2018	\$23.39	\$7.07	\$7.18	\$0.00	\$37.64
	04/01/2019	\$23.78	\$7.07	\$7.18	\$0.00	\$38.03
	10/01/2019	\$24.17	\$7.07	\$7.18	\$0.00	\$38.42

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**

**Apprentice - CARPENTER (Residential Wood Frame) - 108 Hampden Hampshire**

**Effective Date - 04/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$13.25	\$7.07	\$0.00	\$0.00	\$20.32
2	60	\$13.25	\$7.07	\$7.18	\$0.00	\$27.50
3	65	\$14.35	\$7.07	\$7.18	\$0.00	\$28.60
4	70	\$15.46	\$7.07	\$7.18	\$0.00	\$29.71
5	75	\$16.56	\$7.07	\$7.18	\$0.00	\$30.81
6	80	\$17.66	\$7.07	\$7.18	\$0.00	\$31.91
7	85	\$18.77	\$7.07	\$7.18	\$0.00	\$33.02
8	90	\$19.87	\$7.07	\$7.18	\$0.00	\$34.12

**Effective Date - 10/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$13.58	\$7.07	\$0.00	\$0.00	\$20.65
2	60	\$13.58	\$7.07	\$7.18	\$0.00	\$27.83
3	65	\$14.71	\$7.07	\$7.18	\$0.00	\$28.96
4	70	\$15.84	\$7.07	\$7.18	\$0.00	\$30.09
5	75	\$16.97	\$7.07	\$7.18	\$0.00	\$31.22
6	80	\$18.10	\$7.07	\$7.18	\$0.00	\$32.35
7	85	\$19.24	\$7.07	\$7.18	\$0.00	\$33.49
8	90	\$20.37	\$7.07	\$7.18	\$0.00	\$34.62

**Notes:**

\*\* 1: 1-5, 2: 6-8, 3: 9-11

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

RIDE-ON MOTORIZED BUGGY OPERATOR LABORERS - ZONE 3 (BUILDING & SITE)	12/05/2016	\$29.83	\$7.60	\$12.50	\$0.00	\$49.93
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For apprentice rates see "Apprentice- LABORER"

ROLLER OPERATOR OPERATING ENGINEERS LOCAL 98	06/01/2017	\$32.74	\$10.79	\$12.75	\$0.00	\$56.28
	12/01/2017	\$33.34	\$10.79	\$13.02	\$0.00	\$57.15
	06/01/2018	\$33.95	\$10.79	\$13.29	\$0.00	\$58.03
	12/01/2018	\$34.55	\$10.79	\$13.56	\$0.00	\$58.90
	06/01/2019	\$35.06	\$10.79	\$13.83	\$0.00	\$59.68
	12/01/2019	\$35.66	\$10.79	\$14.10	\$0.00	\$60.55

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

ROOFER (Coal tar pitch) ROOFERS LOCAL 248	07/16/2017	\$32.25	\$10.00	\$13.91	\$0.00	\$56.16
	07/16/2018	\$33.65	\$10.00	\$14.01	\$0.00	\$57.66
	07/16/2019	\$35.30	\$10.00	\$14.11	\$0.00	\$59.41

For apprentice rates see "Apprentice- ROOFER"

ROOFER (Inc.Roofing Waterproofing &Roofing Damproofg) ROOFERS LOCAL 248	07/16/2017	\$31.75	\$10.00	\$13.41	\$0.00	\$55.16
	07/16/2018	\$33.15	\$10.00	\$13.51	\$0.00	\$56.66
	07/16/2019	\$34.80	\$10.00	\$13.61	\$0.00	\$58.41

**Classification**

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

**Apprentice - ROOFER - Local 248**

**Effective Date - 07/16/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$19.05	\$10.00	\$0.00	\$0.00	\$29.05
2	65	\$20.64	\$10.00	\$13.41	\$0.00	\$44.05
3	70	\$22.23	\$10.00	\$13.41	\$0.00	\$45.64
4	75	\$23.81	\$10.00	\$13.41	\$0.00	\$47.22
5	80	\$25.40	\$10.00	\$13.41	\$0.00	\$48.81
6	85	\$26.99	\$10.00	\$13.41	\$0.00	\$50.40
7	90	\$28.58	\$10.00	\$13.41	\$0.00	\$51.99
8	95	\$30.16	\$10.00	\$13.41	\$0.00	\$53.57

**Effective Date - 07/16/2018**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$19.89	\$10.00	\$0.00	\$0.00	\$29.89
2	65	\$21.55	\$10.00	\$13.51	\$0.00	\$45.06
3	70	\$23.21	\$10.00	\$13.51	\$0.00	\$46.72
4	75	\$24.86	\$10.00	\$13.51	\$0.00	\$48.37
5	80	\$26.52	\$10.00	\$13.51	\$0.00	\$50.03
6	85	\$28.18	\$10.00	\$13.51	\$0.00	\$51.69
7	90	\$29.84	\$10.00	\$13.51	\$0.00	\$53.35
8	95	\$31.49	\$10.00	\$13.51	\$0.00	\$55.00

**Notes:**  
Steps are 750 hrs.Roofer(Tear Off)1:1; Same as above

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

ROOFER SLATE / TILE / PRECAST CONCRETE ROOFERS LOCAL 248	07/16/2017	\$32.25	\$10.00	\$13.91	\$0.00	\$56.16
	07/16/2018	\$33.65	\$10.00	\$14.01	\$0.00	\$57.66
	07/16/2019	\$35.30	\$10.00	\$14.11	\$0.00	\$59.41

For apprentice rates see "Apprentice- ROOFER"

SCRAPER OPERATING ENGINEERS LOCAL 98	06/01/2017	\$33.35	\$10.79	\$12.75	\$0.00	\$56.89
	12/01/2017	\$33.95	\$10.79	\$13.02	\$0.00	\$57.76
	06/01/2018	\$34.56	\$10.79	\$13.29	\$0.00	\$58.64
	12/01/2018	\$35.16	\$10.79	\$13.56	\$0.00	\$59.51
	06/01/2019	\$35.67	\$10.79	\$13.83	\$0.00	\$60.29
	12/01/2019	\$36.27	\$10.79	\$14.10	\$0.00	\$61.16

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

SELF-POWERED ROLLERS AND COMPACTORS (TAMPERS) OPERATING ENGINEERS LOCAL 98	06/01/2017	\$32.74	\$10.79	\$12.75	\$0.00	\$56.28
	12/01/2017	\$33.34	\$10.79	\$13.02	\$0.00	\$57.15
	06/01/2018	\$33.95	\$10.79	\$13.29	\$0.00	\$58.03
	12/01/2018	\$34.55	\$10.79	\$13.56	\$0.00	\$58.90
	06/01/2019	\$35.06	\$10.79	\$13.83	\$0.00	\$59.68
	12/01/2019	\$35.66	\$10.79	\$14.10	\$0.00	\$60.55

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
SELF-PROPELLED POWER BROOM <i>OPERATING ENGINEERS LOCAL 98</i>	06/01/2017	\$30.12	\$10.79	\$12.75	\$0.00	\$53.66
	12/01/2017	\$30.72	\$10.79	\$13.02	\$0.00	\$54.53
	06/01/2018	\$31.33	\$10.79	\$13.29	\$0.00	\$55.41
	12/01/2018	\$31.93	\$10.79	\$13.56	\$0.00	\$56.28
	06/01/2019	\$32.44	\$10.79	\$13.83	\$0.00	\$57.06
	12/01/2019	\$33.04	\$10.79	\$14.10	\$0.00	\$57.93

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

SHEETMETAL WORKER <i>SHEETMETAL WORKERS LOCAL 63</i>	01/01/2017	\$32.24	\$10.64	\$15.49	\$1.75	\$60.12
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**Apprentice - SHEET METAL WORKER - Local 63**

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

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	45	\$14.51	\$6.21	\$4.36	\$0.00	\$25.08
2	50	\$16.12	\$6.55	\$4.85	\$0.00	\$27.52
3	55	\$17.73	\$6.88	\$8.72	\$0.98	\$34.31
4	60	\$19.34	\$7.22	\$8.72	\$1.06	\$36.34
5	65	\$20.96	\$7.55	\$8.72	\$1.12	\$38.35
6	70	\$22.57	\$7.88	\$8.72	\$1.18	\$40.35
7	75	\$24.18	\$8.22	\$8.72	\$1.23	\$42.35
8	80	\$25.79	\$9.30	\$14.52	\$1.43	\$51.04
9	85	\$27.40	\$9.64	\$14.52	\$1.49	\$53.05
10	90	\$29.02	\$9.98	\$14.52	\$1.55	\$55.07

Notes:

Apprentice to Journeyworker Ratio:1:3

SIGN ERECTOR <i>PAINTERS LOCAL 35 - ZONE 3</i>	06/01/2013	\$25.81	\$7.07	\$7.05	\$0.00	\$39.93
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**Classification**

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

**Apprentice - SIGN ERECTOR - Local 35 Zone 3**

**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>	12/01/2016	\$32.44	\$10.91	\$10.89	\$0.00	\$54.24
SPECIALIZED EARTH MOVING EQUIP > 35 TONS <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2016	\$32.73	\$10.91	\$10.89	\$0.00	\$54.53
SPRINKLER FITTER <i>SPRINKLER FITTERS LOCAL 669</i>	04/01/2017	\$40.26	\$9.17	\$12.43	\$0.00	\$61.86
	01/01/2018	\$40.26	\$9.67	\$12.63	\$0.00	\$62.56
	04/01/2018	\$41.51	\$9.67	\$12.88	\$0.00	\$64.06
	01/01/2019	\$41.51	\$10.02	\$13.08	\$0.00	\$64.61

**Apprentice - SPRINKLER FITTER - Local 669**

**Effective Date - 04/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	45	\$18.12	\$7.60	\$0.00	\$0.00	\$25.72
2	50	\$20.13	\$7.60	\$0.00	\$0.00	\$27.73
3	55	\$22.14	\$9.17	\$6.60	\$0.00	\$37.91
4	60	\$24.16	\$9.17	\$6.60	\$0.00	\$39.93
5	65	\$26.17	\$9.17	\$6.85	\$0.00	\$42.19
6	70	\$28.18	\$9.17	\$6.85	\$0.00	\$44.20
7	75	\$30.20	\$9.17	\$6.85	\$0.00	\$46.22
8	80	\$32.21	\$9.17	\$6.85	\$0.00	\$48.23
9	85	\$34.22	\$9.17	\$6.85	\$0.00	\$50.24
10	90	\$36.23	\$9.17	\$6.85	\$0.00	\$52.25

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

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	45	\$18.12	\$7.75	\$0.00	\$0.00	\$25.87
2	50	\$20.13	\$7.75	\$0.00	\$0.00	\$27.88
3	55	\$22.14	\$9.67	\$6.80	\$0.00	\$38.61
4	60	\$24.16	\$9.67	\$6.80	\$0.00	\$40.63
5	65	\$26.17	\$9.67	\$7.05	\$0.00	\$42.89
6	70	\$28.18	\$9.67	\$7.05	\$0.00	\$44.90
7	75	\$30.20	\$9.67	\$7.05	\$0.00	\$46.92
8	80	\$32.21	\$9.67	\$7.05	\$0.00	\$48.93
9	85	\$34.22	\$9.67	\$7.05	\$0.00	\$50.94
10	90	\$36.23	\$9.67	\$7.05	\$0.00	\$52.95

**Notes:**

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

TELECOMMUNICATION TECHNICIAN	07/02/2017	\$40.01	\$9.60	\$11.20	\$0.00	\$60.81
ELECTRICIANS LOCAL 7	12/31/2017	\$40.51	\$10.00	\$11.42	\$0.00	\$61.93
	07/01/2018	\$41.21	\$10.25	\$11.74	\$0.00	\$63.20
	12/30/2018	\$41.91	\$10.50	\$12.06	\$0.00	\$64.47
	06/30/2019	\$42.66	\$10.75	\$12.33	\$0.00	\$65.74
	12/29/2019	\$43.41	\$1.00	\$12.60	\$0.00	\$57.01

**Classification**

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

**Apprentice - TELECOMMUNICATION TECHNICIAN - Local 7**

**Effective Date - 07/02/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$16.00	\$5.25	\$0.48	\$0.00	\$21.73
2	45	\$18.00	\$5.25	\$0.54	\$0.00	\$23.79
3	50	\$20.01	\$9.60	\$6.90	\$0.00	\$36.51
4	55	\$22.01	\$9.60	\$6.96	\$0.00	\$38.57
5	65	\$26.01	\$9.60	\$8.08	\$0.00	\$43.69
6	70	\$28.01	\$9.60	\$9.14	\$0.00	\$46.75

**Effective Date - 12/31/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$16.20	\$5.40	\$0.49	\$0.00	\$22.09
2	45	\$18.23	\$5.40	\$0.55	\$0.00	\$24.18
3	50	\$20.26	\$10.00	\$6.91	\$0.00	\$37.17
4	55	\$22.28	\$10.00	\$6.97	\$0.00	\$39.25
5	65	\$26.33	\$10.00	\$8.09	\$0.00	\$44.42
6	70	\$28.36	\$10.00	\$9.15	\$0.00	\$47.51

**Notes:**

Steps are 800 hours

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

TERRAZZO FINISHERS BRICKLAYERS LOCAL 3 (SPR/PITT) - MARBLE & TILE	02/27/2017	\$32.67	\$10.75	\$17.05	\$0.00	\$60.47
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**Apprentice - MARBLE-TILE-TERRAZZO FINISHER-Local 3 Marble/Tile (Spr/Pitt)**

**Effective Date - 02/27/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$16.34	\$10.75	\$17.05	\$0.00	\$44.14
2	60	\$19.60	\$10.75	\$17.05	\$0.00	\$47.40
3	70	\$22.87	\$10.75	\$17.05	\$0.00	\$50.67
4	80	\$26.14	\$10.75	\$17.05	\$0.00	\$53.94
5	90	\$29.40	\$10.75	\$17.05	\$0.00	\$57.20

**Notes:**

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

TEST BORING DRILLER LABORERS - FOUNDATION AND MARINE	12/01/2016	\$37.70	\$7.60	\$14.35	\$0.00	\$59.65
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For apprentice rates see "Apprentice- LABORER"

TEST BORING DRILLER HELPER LABORERS - FOUNDATION AND MARINE	12/01/2016	\$36.42	\$7.60	\$14.35	\$0.00	\$58.37
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For apprentice rates see "Apprentice- LABORER"

<b>Classification</b>	<b>Effective Date</b>	<b>Base Wage</b>	<b>Health</b>	<b>Pension</b>	<b>Supplemental Unemployment</b>	<b>Total Rate</b>
TEST BORING LABORER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2016	\$36.30	\$7.60	\$14.35	\$0.00	\$58.25
For apprentice rates see "Apprentice- LABORER"						
TRACTORS <i>OPERATING ENGINEERS LOCAL 98</i>	06/01/2017	\$32.74	\$10.79	\$12.75	\$0.00	\$56.28
	12/01/2017	\$33.34	\$10.79	\$13.02	\$0.00	\$57.15
	06/01/2018	\$33.95	\$10.79	\$13.29	\$0.00	\$58.03
	12/01/2018	\$34.55	\$10.79	\$13.56	\$0.00	\$58.90
	06/01/2019	\$35.06	\$10.79	\$13.83	\$0.00	\$59.68
	12/01/2019	\$35.66	\$10.79	\$14.10	\$0.00	\$60.55
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
TRAILERS FOR EARTH MOVING EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2016	\$33.02	\$10.91	\$10.89	\$0.00	\$54.82
TUNNEL WORK - COMPRESSED AIR <i>LABORERS (COMPRESSED AIR)</i>	12/01/2016	\$48.58	\$7.60	\$14.75	\$0.00	\$70.93
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - COMPRESSED AIR (HAZ. WASTE) <i>LABORERS (COMPRESSED AIR)</i>	12/01/2016	\$50.58	\$7.60	\$14.75	\$0.00	\$72.93
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - FREE AIR <i>LABORERS (FREE AIR TUNNEL)</i>	12/01/2016	\$40.65	\$7.60	\$14.75	\$0.00	\$63.00
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - FREE AIR (HAZ. WASTE) <i>LABORERS (FREE AIR TUNNEL)</i>	12/01/2016	\$42.65	\$7.60	\$14.75	\$0.00	\$65.00
For apprentice rates see "Apprentice- LABORER"						
VAC-HAUL <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2016	\$32.44	\$10.91	\$10.89	\$0.00	\$54.24
WAGON DRILL OPERATOR <i>LABORERS - ZONE 3 (BUILDING &amp; SITE)</i>	12/05/2016	\$29.83	\$7.60	\$12.50	\$0.00	\$49.93
For apprentice rates see "Apprentice- LABORER"						
WAGON DRILL OPERATOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 3 (HEAVY &amp; HIGHWAY)</i>	12/01/2016	\$29.75	\$7.60	\$10.62	\$0.00	\$47.97
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
WATER METER INSTALLER <i>PLUMBERS &amp; PIPEFITTERS LOCAL 104</i>	03/17/2017	\$39.26	\$8.50	\$15.30	\$0.00	\$63.06
	09/17/2017	\$40.01	\$8.50	\$15.30	\$0.00	\$63.81
	03/17/2018	\$40.76	\$8.50	\$15.30	\$0.00	\$64.56
	09/17/2018	\$41.51	\$8.50	\$15.30	\$0.00	\$65.31
	03/17/2019	\$42.26	\$8.50	\$15.30	\$0.00	\$66.06
For apprentice rates see "Apprentice- PLUMBER/PIPEFITTER" or "PLUMBER/GASFITTER"						
<b>Outside Electrical - West</b>						
EQUIPMENT OPERATOR <i>OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42</i>	08/30/2015	\$42.16	\$8.20	\$9.26	\$0.00	\$59.62
For apprentice rates see "Apprentice- LINEMAN"						
GROUNDMAN <i>OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42</i>	08/30/2015	\$28.87	\$8.20	\$8.87	\$0.00	\$45.94
For apprentice rates see "Apprentice- LINEMAN"						
GROUNDMAN / TRUCK DRIVER <i>OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42</i>	08/30/2015	\$37.73	\$8.20	\$9.13	\$0.00	\$55.06
For apprentice rates see "Apprentice- LINEMAN"						
HEAVY EQUIPMENT OPERATOR <i>OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42</i>	08/30/2015	\$44.37	\$8.20	\$9.33	\$0.00	\$61.90
For apprentice rates see "Apprentice- LINEMAN"						



Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
JOURNEYMAN LINEMAN <i>OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42</i>	08/30/2015	\$48.80	\$8.20	\$9.46	\$0.00	\$66.46

**Apprentice - LINEMAN (Outside Electrical) - West Local 42**

**Effective Date - 08/30/2015**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$29.28	\$8.20	\$0.88	\$0.00	\$38.36
2	65	\$31.72	\$8.20	\$0.95	\$0.00	\$40.87
3	70	\$34.16	\$8.20	\$0.92	\$0.00	\$51.38
4	75	\$36.60	\$8.20	\$0.91	\$0.00	\$53.90
5	80	\$39.04	\$8.20	\$0.97	\$0.00	\$56.41
6	85	\$41.48	\$8.20	\$0.94	\$0.00	\$58.92
7	90	\$43.92	\$8.20	\$0.92	\$0.00	\$61.44

**Notes:**

**Apprentice to Journeyworker Ratio:1:2**

TELEDATA CABLE SPLICER <i>OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42</i>	01/01/2016	\$28.98	\$4.25	\$3.12	\$0.00	\$36.35
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TELEDATA LINEMAN/EQUIPMENT OPERATOR <i>OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42</i>	01/01/2016	\$27.31	\$4.25	\$3.07	\$0.00	\$34.63
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TELEDATA WIREMAN/INSTALLER/TECHNICIAN <i>OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42</i>	01/01/2016	\$27.31	\$4.25	\$3.07	\$0.00	\$34.63
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TRACTOR-TRAILER DRIVER <i>OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42</i>	08/30/2015	\$42.16	\$8.20	\$9.26	\$0.00	\$59.62
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TREE TRIMMER <i>OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42</i>	01/31/2016	\$18.51	\$3.55	\$0.00	\$0.00	\$22.06
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This classification applies only to tree work done: (a) for a utility company, R.E.A. cooperative, or railroad or coal mining company, and (b) for the purpose of operating, maintaining, or repairing the utility company's equipment, and (c) by a person who is using hand or mechanical cutting methods and is not on the ground. This classification does not apply to wholesale tree removal.

TREE TRIMMER GROUNDMAN <i>OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42</i>	01/31/2016	\$16.32	\$3.55	\$0.00	\$0.00	\$19.87
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This classification applies only to tree work done: (a) for a utility company, R.E.A. cooperative, or railroad or coal mining company, and (b) for the purpose of operating, maintaining, or repairing the utility company's equipment, and (c) by a person who is using hand or mechanical cutting methods and is on the ground. This classification does not apply to wholesale tree removal.

**Additional Apprentice Information:**

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

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

All steps are six months (1000 hours.)

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

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

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

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