

**CITY OF SOMERVILLE MASSACHUSETTS
SOMERVILLE CITY HALL
93 HIGHLAND AVENUE
SOMERVILLE, MA 02143
BIDDING INSTRUCTIONS FOR
2016 STREET RESURFACING AND SIDEWALK IMPROVEMENTS AT VARIOUS
LOCATIONS
PROJECT
Bid No. 16-59**

Enclosed you will find an invitation to bid for: 2016 STREET Resurfacing Project.
Contract is estimated to be from 04/15/2016 through 04/14/2017.

MassDot Prequalification is required. A Certificate of Approval Form is required to pick up copies of this bid.

When submitting bid, please identify the bid item and number clearly. All bids must be sealed and delivered to Purchasing Department, City of Somerville, 93 Highland Ave., Somerville, MA 02143. Please mark the outside of all bid envelopes with the Bid number above and write **"2016 Street Resurfacing Project"** on the bid envelope.

BIDS SUBMITTED MUST BE AN ORIGINAL.

The completion of the following forms is necessary for consideration of a potential contract award. When submitting bid documents, please retain the order of documents as originally provided.

- 1) "Notice to Bidders" signed by person submitting bid.
- 2) "Signature Form" complete when submitting your bid.
- 3) Tax Compliance/Non Collusion Form
- 4) Certificate of Signature Authority
- 5) Somerville Living Wage Form
- 6) Quality Requirements
- 7) Bid Pricing Page
- 8) Prevailing Wage Compliance Form

NOTE: If Vendor is incorporated an updated **"CERTIFICATE OF GOOD STANDING"** from the Commonwealth of Massachusetts will be needed for the awarded vendor only.

Please review and return with your sealed bids as sent. Also, insure that all forms are completed and your bid response is submitted as requested.

Your cooperation is greatly appreciated.

NOTICE TO BIDDERS
BID #16-59

All bids must be in accordance with terms and conditions set forth herein as stated.

- SECTION A. Sealed bids for: 2016 **Street Resurfacing Project**. The bids will be received at the office of the Purchasing Director, Somerville City Hall, 93 Highland Avenue, Somerville, MA. 02143 no later than **Wednesday, February 17, 2016 at 11:00 A.M.** at which time and place they will be publicly opened and read.
- SECTION B. Forms of price bid, specifications and terms of contract can be obtained at the above office on or after **Wednesday, February 3, 2016.**
- SECTION C. Bid envelopes shall be clearly marked as follows: "**Bid No: 16-59, Bid for 2016 Street Resurfacing Project**".
- SECTION D. If **awarded** vendor is a Corporation, vendor must comply with request for "Certificate of Good Standing". See attached instructions.
- SECTION E. **INSURANCE: Awarded Vendor** must comply with insurance requirements as stated in the bid package.
- SECTION F. Living Wage - see specifications
Prevailing Wage Rates
- SECTION G. The requirements in Section **E or F** will be waived if the words "Non-Applicable" (N/A) are inserted in the space designated.
- SECTION H. The copy of the bid deposited with the City will be accompanied by a bid guarantee in the amount of 5% of the proposed bid amount. The estimated contract amount is **\$3,008,000.00**. A Bid bond, Certified Check, Treasurer's Check, or Cashier's Check made payable to the City must be submitted with each bid. Said bid guarantee will become the property of the City of Somerville if the proposal is accepted and the bidder either neglects or refuses to comply with the terms of the proposal. Bid guarantee will be returned within 30 days to all unsuccessful bidders.
- SECTION I. A Performance Bond and a Labor and Materials Bond in the amount of 100% of the total contract price will be required by the City.
- SECTION J. The Purchasing Director reserves the right to accept or reject any or all bids, to waive any minor informalities, to divide the award, to amend any specifications or to accept any portion of a bid, if in her sole judgment, the best interest of the City of Somerville would be served by so doing.
- SECTION K. The City reserves the right to cancel a contract, if awarded bidder does not respond to all necessary documents and required signature forms within twenty (20) working days of receipt of contract.

SECTION L.

The Vendor must certify that all employees to be provided have successfully completed at least ten (10) hours of OSHA approved training in Construction Safety and Health.

Signature: _____

Signature Name & Title: _____

Company: _____

Date: _____ Tel. No: _____ Fax: _____

City of Somerville

Invitation for Bids for

**2016 ROADWAY RESURFACING AND SIDEWALK IMPROVEMENTS AT VARIOUS
LOCATIONS Bid No. 16-59**

I. General Information and Bid Submission Requirements

General Description of the Work to be Performed

The work included in this contract is for resurfacing of various streets and sidewalks in the project areas described herein and in other areas as directed by the City. The order of listed streets makes no assumption regarding the priorities of streets to be worked on, as this shall be determined by the City. Roadwork shall be completed by November 15, 2016 (or as directed by the City). This is a unit price based contract. All work is subject on funding.

Bid Delivery

All bids must be delivered to City of Somerville, Purchasing Department, 93 Highland Avenue, Somerville, MA 02143.

**MassDot Prequalification is required. A Certificate of Approval Form is required
To pick up copies of this bid.**

Bids must be delivered by: **11:00 A.M. on Wednesday, February 17, 2016.**

One (1) copy of the bid should be submitted. Bids must be sealed and marked as follows:
“Bid for 2016 STREET Resurfacing Project, Bid # 16-59.”

All bids must include a non-collusion form, tax compliance certificate, bid pricing sheet, reference form as provided in this IFB, and 5% bid surety in the amount of 5% of the proposed bid amount. A Bid bond, Certified Check, Treasurer's Check, or Cashier's Check made payable to the City must be submitted with each bid. Said bid guarantee will become the property of the City of Somerville if the proposal is accepted and the bidder either neglects or refuses to comply with the terms of the proposal. Bid guarantee will be returned within 30 days to all unsuccessful bidders.

Bid Signature

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

Time for Bid Acceptance

The contract will be awarded within 60 days after the bid opening. The time for award may be extended for up to 45 additional days by mutual agreement between the City of Somerville and the apparent lowest responsive and responsible bidder (or, for a contract requiring payment, the apparent highest responsive and responsible bidder.)

Bonding Requirements

A Performance Bond and a Labor and Materials Bond in the amount of 100% each is required upon contract award.

Prevailing Wage Requirements

Bidders will be required to comply with the Prevailing Wage Laws, M.G.L. c. 149. The applicable prevailing wage rates are attached.

Notwithstanding anything to the contrary in Articles of the General Conditions (included in the Contract) the City may, in its sole discretion withhold payment from the General Contractor with respect to a given application for payment unless the City has in its possession payroll records that are complete, accurate, and current as of the date of said application for payment.

Payment by the City on one or more occasions in the absence of the General Contractor's compliance with this section shall not constitute a waiver of the City's right to withhold payment for noncompliance on other occasions.

The General Contractor shall submit payroll information on a weekly basis in a format approved by the City (form attached) numbered in numerical sequence and signed by the Contractor (including forms: for weeks when the Contractor is not on the site, in which case there shall be a notation to the effect "no work this payroll period" and a date anticipated for resuming work). The General Contractor shall submit these forms to: The City Engineer, DPW.

The City will take an active role in reviewing and monitoring these payrolls weekly. If the City suspects any violations, the City will report them to the Attorney General's Fair Labor and Practices Division. The Attorney General's Office, after conducting an investigation and a hearing can order the bidder to halt work, if it finds prevailing wage violations. Within fifteen days after completion of its portion of the work the bidder must submit a Statement of Compliance with the prevailing wage law. The City reserves the right to conduct hearings on bids that are significantly below the average bid price submitted on a project, to make findings of fact, and determinations. Weekly payrolls are public records and the bidder shall make them available upon request.

The Bidder is required to keep these records for a period of three years from the date of completion of this contract.

Changes and Addenda

If any changes are made to this IFB, an addendum will be issued. Addenda will be mailed or faxed to all bidders on record as having picked up the IFB. No changes may be made to the bid documents, by the Bidders; without written authorization and/or an addendum from the Purchasing Department.

Questions about the IFB

Questions concerning this invitation for bids must be submitted in writing to: Orazio DeLuca, Construction Manager, City of Somerville, Purchasing Department, 93 Highland Avenue, Somerville, MA 02143 **before 4:30 P.M. on Wednesday, February 10, 2016.** Questions may be delivered, mailed, faxed to: 617-625-1344, or e-mailed to odeluca@somervillema.gov. Written responses will be mailed or faxed to all bidders on record as having picked up the IFB. If any Bidders or proposers contact anyone outside of Purchasing, for information about this proposal, the bid/proposal will be disqualified from the bidding process.

Modification or Withdrawal of Bids, Mistakes, and Minor Informalities

A bidder may correct, modify, or withdraw a bid by written notice received by the City of Somerville prior to the time and date set for the bid opening. Bid modifications must be submitted in a sealed envelope clearly labeled "Modification No. ___" to the address listed in part one of this section. Each modification must be numbered in sequence, and must reference the original IFB.

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

Right to Cancel/Reject Bids

The City of Somerville may cancel this IFB, or reject in whole or in part any and all bids, if the City determines that cancellation or rejection serves the best interests of the City.

Unbalanced Bids

The City reserves the right to reject unbalanced, front loaded, and conditional bids.

Bid Prices to Remain Firm

All bid prices submitted in response to this IFB must remain firm for 60 days following the bid opening.

Unforeseen Office Closure

If, at the time of the scheduled bid opening, Purchasing Department is closed due to uncontrolled events such as fire, snow, ice, wind, or building evacuation, the bid opening will be postponed until 2:00 p.m. on the next normal business day. Bids will be accepted until that date and time.

II. Purchase Description/Scope of Services

Contract Term Length and Renewal Options

The contract will remain in effect from April 15, 2016 through April 14, 2017.

Price Submission

All prices must be stated in Unit Prices and Total Amounts as requested on the Bid price submission pages.

Estimated Quantities

The City of Somerville has estimated the quantities required for each of the items on the bid price submission pages, however, these estimates are estimates only and are not guaranteed. The contract value has been estimated at \$3,008,000.00.

Brand Name "Or Equal"

Any references to any brand name or proprietary product in the specifications shall require the acceptance of an equal or better brand. Samples may be requested before a final decision is

made. The City has the right to make the final determination as to whether an alternate brand is equal to the brand specified.

Warranty

The bidder warrants that (1) the Supplies sold are merchantable, (2) that they are fit for the purpose for which they are being purchased, (3) that they are absent any latent defects and (4) that they are in conformity with any sample which may have been presented to the City.

The bidder guarantees that upon inspection, any defective or inferior Supplies shall be replaced without additional cost to the City. The Vendor will assume any additional cost accrued by the City due to the defective or inferior Supplies.

The bidder guarantees all Supplies for a period of one (1) year, or as otherwise specified herein.

Invoicing

Vendor will mail an invoice to the ordering department after completion and delivery of the order.

Cancellation

The City reserves the right to cancel this contract at any time on any grounds, including the vendor's failure to comply with the specifications provided herein.

Specifications/Scope of Work

General

The work to be performed under this contract consists of furnishing labor, materials, and equipment for the specified repairs at various municipally owned facilities.

Examination of Property

The contractor shall fully inform himself of the existing conditions where the work is to be done.

Protection of Property

The contractor shall take all precautions to protect the property of the City from injury and shall be held responsible for all employees or any person or persons, instrument or device directly or indirectly employed by him. Any corresponding damages shall be replaced, repaired and paid for by the contractor to the satisfaction of the City.

Quality of Workmanship

All work must be done in a thorough workmanlike manner.

Experience

The contractor shall have been established in the specified field for at least 5 years.

Response Time

The contractor must respond within forty-eight hours when issued notification by the City of Somerville.

Laws and Regulations

The contractor shall comply with all Federal, State and Local laws regulations and ordinances governing this type of work. The Contractor shall comply with all Mass Highway specifications as apply.

Replacement Components

The contractor shall carry sufficient stock of OEM quality parts and components.

Estimates and Surveys

The contractor shall, as required, furnish estimates and survey proposed work at no cost to the City.

SPECIFICATIONS FOR 2016 STREET RESURFACING PROJECT

SCOPE OF WORK

The work to be performed under this contract shall consist of the Milling and Overlay of various public roads in Somerville, Massachusetts (listed herein). The work includes excavation, gravel borrow, grading, manhole adjustments, curb removal and resetting, installation of MAAB/ADA compliant driveway curb cuts on all resurfacing streets and at various other locations as directed by the City of Somerville, Sidewalks shall be reconstructed on resurfaced streets as directed by the City and in various locations as directed by the City.

PROVISION FOR TRAVEL AND PROSECUTION OF THE WORK

The street and adjacent side streets shall remain open to travel throughout the period required for the completion of the improvement except as permitted by the City of Somerville Traffic Commission. Reasonable facilities shall be provided by the contractor for the convenient and safe passage of pedestrians through the project and also to and from properties abutting the improvement. Particular care shall be taken at all times to establish and maintain such methods of procedure as will not create hazards of an unusual nature.

WORK SCHEDULE

Work on this project is mainly restricted to a ten hour day, five-day week with the Prime Contractor and all Sub Contractors working on the same shift. Peak hour work restrictions may apply as specified in the Street Permit or as directed by the Engineer.

DISPOSAL OF SURPLUS MATERIAL

Surplus material resulting from the various kinds of excavation and not required for use on the project shall be disposed of by the contractor, outside the project limits, at his own responsibility and without additional compensation thereof.

REMOVAL AND DISPOSAL OF STRUCTURES AND OBSTRUCTIONS

The Contractor shall accept and hold entire responsibility for the stacking and protection of materials that have been removed from the site and that are to be reused in the work. Any materials lost or damaged through lack of protection or carelessness by the Contractor shall be replaced at his expense.

SEQUENCE OF WORK

After a street is cold planed, it shall remain open for a maximum of five (5) working days prior to repaving. However, due to special circumstances, this requirement may be waived by the Commissioner of Public Works.

COOPERATION OF THE CONTRACTOR

Attention is directed to the fact that the Public Service Corporations and Municipal Departments may enter the site of the improvement and alter, replace, and/or install facilities at some time when the contractor will be prosecuting other work contiguous thereto.

PROTECTION AND RESTORATION OF PROPERTY

Special care shall be exercised by the Contractor during the prosecution of the work, to save from harm and injury any structure, public or private, water system situated above or below the surface, and adjacent properties lying within the scope of the project, not specifically designated to be removed or otherwise altered.

Any damage to private property due to the construction activities of the Contractor shall be repaired to the Homeowner's satisfaction within thirty (30) working days.

STREET TREES

Existing trees shall be retained and their roots protected at all times during construction.

SIDEWALKS, DRIVEWAYS AND WHEELCHAIR RAMPS

The Contractor shall be responsible for protection of newly laid cement concrete sidewalks, driveways, and wheelchair ramps from vandalism. The Contractor shall not be reimbursed for repairing or replacing concrete walks as a result of vandalism.

BACKFILLING FOR STRUCTURES AND PIPES

All backfilling for structures and pipes shall conform to the Commonwealth of Massachusetts Department of Public Works Standard Specification for Highways and Bridges, 1988, Section 150.64.

RETAINAGE

A Retainage of 5% shall be held by the City. This sum shall be held by the City for a period of sixty (60) days after final estimate is made and the work is accepted by the City.

NOTE: Contractor's equipment is not to be parked or stored at the Public Works Yard at any time.

All unit prices quoted herein shall be firm for the duration of the Contract, regardless of any changes in the cost of materials or labor.

SPECIAL PROVISIONS

NOTICE TO OWNERS OR UTILITIES

Written notice shall be given by the Contractor to all public service corporations or officials owning or having charge of publicly or privately owned utilities of his intention to commence operations affecting such utilities at least one week in advance of the commencement of such operations, and the contractor shall, at the same time, file a copy of such notice with the Engineer.

Bidders are hereby notified that information is available regarding the existing utility structures which may be encountered within and adjacent to the limits of the work and the corporations owning controlling same. The completeness of this list is not guaranteed by the Department.

City of Somerville
Department of Public Works
Superintendent of Lights & Lines
Engineering Division
Water Division
Sewer Division
One Franey Road
Somerville, MA 02145
Tel. (617) 625-6600

Eversource [gas]
NSTAR Way

Time Warner Cable
300 Commercial Avenue
Malden, MA 02148
Tel. (781) 397-2600

Massachusetts Water Resource Authority
(MWRA)
59 Amaranth Avenue
Medford, MA 02155
Tel. (781) 306-2130

Verizon New England

Westwood, MA 02090
Tel. (781) 441-8000

Somerville Dept. of Traffic
and Parking
133 Holland Street
Somerville, MA 02144
Tel. (617) 625-6600 x7900

M.W.R.A. Water & Sewer Division
Charlestown Navy Yard
100 First Avenue
Boston, MA 02129
Tel. (617) 242-6000

RCN – CATV
115 West First Street
South Boston, MA 02127
Tel. (617) 670-2927

Comcast
116 Crosby Road
Unit 10
Dover, NH 03820
Tel. (603) 749-9194

Nationalgrid [gas]
(781) 790-6062

185 Franklin Street
Suite 1250
Boston, MA 02210
Tel. (617) 743-4524

Algonquin Gas Trans Co.
8 Wilson Way
Westwood, MA

Dept. of Conservation & Recreation
Division of Urban Parks & Recreation
153 Causeway Street
Boston, MA

Bell Atlantic (BA)
285 Lucas Street
Woburn, MA 01801
Tel. (781) 939-3566

Media One
790 Main Street
Wilmington, MA 01887
Tel. (978) 658-0400

The Contractor shall notify Massachusetts “DIG SAFE” 72 hours prior to start of construction.

“DIG SAFE” call center: 1-888-DIGSAFE or 1-888-344-7233.

BOND REQUIREMENTS

A Performance Bond and a Labor and Materials Bond in the amount of 100% each of the contract price will be required from the successful bidder.

PREVAILING WAGE REQUIREMENTS

Bidders will be required to comply with the Prevailing Wage Laws, M.G.L., C.149. Every bidder will be required to submit a certified payroll to the City every week. The City will take an active role in reviewing and monitoring these payroll weekly. If the City suspects any violations, the City will report them to the Attorney General's Fair Labor and Business Practices Division. The Attorney General's Office, after conducting an investigation and a hearing can order the bidder to halt work, if it finds prevailing wage violations. Within fifteen days after completion of its portion of the work the bidder must submit a Statement of Compliance with the prevailing wage law. The City reserves the right to conduct hearings on bids that are significantly below the average bid price submitted on a project, to make findings of fact and determinations. Weekly payrolls are public records and the bidder shall make them available upon request. The Bidder is required to keep these records for a period of three years from the date of the completion of this contract.

CONTRACT PERIOD

The contract is estimated to be from April 15, 2016 through April 14, 2017.

INSURANCE REQUIREMENTS

(See attached)

PARTICULAR SPECIFICATIONS

ITEMS

The items below shall conform to the Commonwealth of Massachusetts, Department of Public Works Standard Specifications for Highway and Bridges, dated 1988 including the latest amendments and addendum thereto, except brick work as described in Item 706.1 and Traffic Police as described in Item 999.001.

The quantity of items listed, are approximate only. They are given as a basis for comparison of bids. The City does not expressly or by implication agree that the actual amount of work will correspond therewith. The City reserves the right to increase or decrease the amount of any class or portion of the work.

An increase or decrease in the quantity of any items shall not be regarded as cause for an increase or decrease in the contract unit price.

ITEM 103

TREE REMOVED UNDER 24"

EACH

The work to be done hereunder consists of removing and disposing in accordance with the relevant provisions of Section 100.

ITEM 104

TREE REMOVED 24" DIAMETER AND OVER

EACH

The work to be done hereunder consists of removing and disposing in accordance with the relevant provisions of Section 100.

ITEM 120.1

UNCLASSIFIED EXCAVATION

CUBIC YARD

The work to be done hereunder consists of removing and disposing in accordance with the relevant provisions of Section 120, all the materials obstructing the execution of required work as shown in the plans and as directed, except those materials for which payment is made inclusive with complete work specified to be performed under items of this contract. Concrete gutters are included under this item and any concrete bases encountered in the roadway excavation. The Contractor's attention is directed to the fact that the materials shall be disposed of in accordance with the provisions written herein before under the heading "Disposal of Surplus Materials" at no additional compensation.

ITEM 129

BITUMINOUS CONCRETE EXCAVATION BY COLD PLANER

SQUARE YARD

The work to be done under this item shall conform to the relevant provisions of Section 120 for Excavation. A 2-inch cut to the predetermined grade or any specified depth as directed by the City may be required in one pass. The minimum width of pavement planed in each pass shall be 6.5 feet, except in areas to be trimmed and edged.

ITEM 141.1**TEST PIT FOR EXPLORATORY EXCAVATION****CUBIC YARD**

The work under this item shall conform to the relevant provisions of Section 140 of the Standard Specifications and the following:

All test pits must be coordinated with the City of Somerville's Department of Public Works. A representative of the City of Somerville's Department of Public Works shall specify the location and size of the test pit and shall be present during the excavation.

The test pit shall be backfilled with City of Somerville approved gravel borrow, placed in six (6") lifts and compacted to 95% of the maximum density.

Bypass pumping, sheeting/shoring, dewatering, excavation, cutting existing pavement, bedding, backfilling, dust control, appurtenances, and the removal and disposal of the existing VC sewer piping to be replaced shall be considered incidental to the work with no additional compensation provided.

Shoring shall be utilized as necessary to prevent caving of adjacent pavement. Where required proposed shoring shall be designed and stamped by a Massachusetts Registered Professional Engineer at the expense and direction of the Contractor and submitted to the Engineer for approval. Shoring submittal shall include design computations and all proposed shoring and bracing plans and details addressing all necessary construction requirements.

The hot mix asphalt used to repair and patch the road shall be considered incidental this Item. The depth of pavement repair will be determined by the City of Somerville's Department of Public Works.

The compacted Gravel Borrow used to backfill the Test Pit shall be paid under Item 151-Gravel Borrow

ITEM 151**GRAVEL BORROW****CUBIC YARD**

The work to be done hereunder consists of finishing and placing gravel as required and in accordance with the plans and the relevant provisions of Section 150.

Compensation for this work shall be determined only as provided in Section 150, measurement shall be made in place and 20% added to the quantity so found.

ITEM 170.62**FINE GRADING AND COMPACTING – SUBGRADE AREAS****SQUARE YARD**

These special provisions for Item 170.61 supersede insofar as they conflict with the requirements of Standard Specifications as amended.

The work shall consist of shaping, trimming, rolling and finishing the surfaces of gravel foundation for pavements and gravel foundation for concrete sidewalks and driveways.

The areas to be fine-graded shall be raked to remove all stones and unsatisfactory material and shall then be rolled as directed. The work shall be paid for at the contract unit price per square yard of areas fine graded, rolled and finished and the area shall be measured horizontally between the limits of grading required.

ITEM 201.5**CATCH BASIN – MUNICIPAL STANDARD****EACH**

The work to be done under this Item shall consist of the furnishing and installation, including excavation and backfill of trenches for catch basins and including traps and hoods, at the locations and in close conformity with the lines and grades shown on the Plans, or established by the Engineer, all in accordance with Section 201 of the Standard Specifications and the following:

Catch Basins shall conform to City of Somerville Construction Standards as shown on the Plans. Cement concrete brick for adjusting frames and grates shall conform to MHD Specification M4.05.0. Frames and grates shall be City of Somerville Type "D," and catch basin traps and hoods shall be City of Somerville style, all conforming to Construction Standard and as shown on the Plans.

ITEM 220**DRAINAGE STRUCTURE ADJUSTED****EACH****ITEM 220.2****DRAIN STRUCTURE REBUILT****VERTICAL FOOT**

Drainage structures adjusted and rebuilt, where required, shall be constructed in accordance with the relevant provisions of Section 220.

ITEM 220.6**SANITARY STRUCTURE ADJUSTED****EACH****ITEM 220.7****SANITARY STRUCTURE REBUILT****VERTICAL FOOT**

Drainage structures adjusted and rebuilt, where required, shall be constructed in accordance with the relevant provisions of Section 220.

ITEM 222.2

FRAME AND GRATE (OR COVER) MUNICIPAL STANDARD

Work under this Item shall conform to the Standard provisions of Section 220 and the following:

Frames and covers shall be Type A conforming to MHD Construction Standards 202.6.0 and 202.8.0.

ITEM 224.

MANHOLE ADJUSTED

EACH

Manhole structures adjusted and rebuilt, where required, shall be constructed in accordance with the relevant provisions of Section 220 and the following.

Manholes adjusted shall include all manholes not paid for under another item. This shall include, but not be limited to, Electric, Cable, Telephone and SFPD Manholes.

ITEM 225.52

TRAP AND HOOD MUNICIPAL STANDARD

EACH

Work under this Item shall conform to the Standard provisions of Section 220 and the following:

New Traps and Hoods shall be City of Somerville style and shall be installed where missing or as required by the Engineer.

ITEM 357

GATE BOX ROADWAY NEW

EACH

ITEM 358

GATE BOX ADJUSTED ROADWAY

EACH

ITEM 358.2

GATE BOX ADJUSTED SIDEWALK

EACH

The work to be done under these items consists of adjusting gate boxes in streets and on sidewalks and installing new roadway gate boxes as directed by the Engineer to the grades as required in accordance with the relevant provisions of Section 301. Compensation shall be at the contract unit price each.

ITEM 431.1

HIGH EARLY STRENGTH CEMENT CONCRETE

BASE COURSE

CUBIC YARD

High early cement concrete, where required, shall be constructed in accordance with the relevant provisions of Section 430. The work to be done under this item shall consist of excavation of the existing material, disposal of material, grading and compacting sub-base, and the placing of High Early Concrete. Compensation shall be made at the contract unit price per cubic yard.

ITEM 453.
HOT MIX ASPHALT JOINT SEALER

LINEAR FOOT

Work under these Items shall conform to the relevant provisions of Section 400 of the MHD Standard Specifications for Highways and Bridges and the following:

The Contractor shall plan the sequence of HMA placement to minimize transverse and longitudinal joints in each pavement course. Paving operations should employ long pulls or tandem pavers, whenever practicable, to reduce the number and length of joints.

A. Transverse Joints.

Where the start or end of a new HMA pavement course meets existing HMA pavement, the existing pavement shall be sawcut to form a transverse butt joint for the full depth of all new pavement courses. The sawcut shall follow a straight line and provide a clean and sound vertical face. Material at any intermediate transverse joint resulting from suspension of placement of a new HMA pavement course shall also be sawcut and removed to provide a clean vertical face before continuing placement of the pavement course.

When traffic is to be carried over any transverse joint before completion of an HMA pavement course, the Contractor shall provide a temporary tapered joint with a maximum 12:1 slope. The HMA mixture forming the taper shall be placed on heavy wrapping paper or other suitable material to serve as a bond breaker. The temporary tapered joint shall be sawcut to reveal the full depth of the pavement course and form a transverse butt joint with a clean vertical face. The temporary tapered joint material shall be completely removed before resuming placement of the HMA pavement course.

Prior to the start of HMA placement at each transverse joint, the vertical joint face shall be thoroughly coated with a hot poured rubberized asphalt sealant meeting the requirements of ASTM D3405, with a minimum of 15% ground reclaimed tire rubber. The asphalt sealant temperature and application rate for each pavement course shall be established in the Contractor's Quality Control Plan. No reheating of the joint face shall be permitted. Equipment used to apply the hot poured rubberized asphalt sealant shall be capable of maintaining the sealant at the established temperature and application rate sufficient to uniformly coat the vertical joint face without runoff or accumulation of the asphalt sealant.

B. Longitudinal Joints.

All longitudinal joints in HMA surface courses shall be located on the roadway centerline or on a lane line or edge line of the traveled way. The longitudinal joints in each pavement course below the surface course shall be successively offset from the joint in the surface course by no more than 12 inches (300 mm) and no less than six inches (150 mm).

(1) Vertical Joints.

When an HMA pavement course is placed using single paver pulls, the Contractor shall employ suitable equipment to confine the longitudinal edge of the HMA mixture to establish an edge that is near vertical. For all HMA surface course mixtures placed, when the Contractor's placement operations do not provide a confined and near vertical edge, the longitudinal edge of

the surface course shall be sawcut full depth and removed to provide a clean vertical face before placement of the adjacent course of HMA.

All longitudinal joint edges of HMA surface courses, regardless of whether the joint edge is required to be sawcut, shall be treated prior to placing the adjacent pull of HMA. The vertical joint shall be coated with a hot poured rubberized asphalt sealant meeting the requirements of ASTM D3405, with a minimum of 15% ground reclaimed tire rubber. The asphalt sealant shall be applied at a sufficient temperature and application rate sufficient to uniformly coat the vertical joint face without runoff or accumulation of the sealant. The asphalt sealant temperature and application rate shall be established in the Contractor's Quality Control Plan. No reheating of the joint shall be permitted.

When placing an HMA surface course with pavers in tandem, the use of the hot poured rubberized asphalt sealant will be omitted, provided the temperature of the mixture at the longitudinal joint does not fall below 200°F (95°C) prior to the placement of the adjacent mat.

When the longitudinal edge of any HMA pavement course is placed against an adjoining edge such as existing pavement, curb, gutter, drainage or utility structure, or any metal surface, a tack coat shall be uniformly applied to the entire vertical joint surface in accordance with Subsection 450.53 prior to placement of the HMA.

(2) Wedge Joints.

The Contractor may use a longitudinal wedge joint when placing HMA pavement courses at a thickness of 1.75 inches (45 mm) or greater.

When a wedge joint is proposed for use, the joint detail shall be included in the Contractor's QC Plan. The wedge joint shall include a notched vertical edge with a minimum depth of 0.5 inches (12.5 mm). The sloped surface of the wedge joint shall not exceed a 6:1 slope. The Contractor shall use a commercially manufactured wedge joint attachment to the paver, or other attachment approved by the Engineer, to form the wedge joint.

Hot poured rubberized asphalt sealant shall not be applied to wedge joints. A tack coat shall be applied to the entire surface of the wedge joint in accordance with Subsection 450.53 prior to placement of the adjacent pull of HMA.

Method of Measurement

Work under this Item shall be measured for payment by the linear foot of rubberized sealer installed and accepted by the City of Somerville.

Payment shall be paid for at the contract unit price per linear foot. The price shall include full compensation for all labor, transportation, tools, materials and equipment required for the installation of this Item.

ITEM 460

HOX MIX ASPHALT (HMA) PAVEMENT

TON

All pavement shall be with Superpave Mixture Design Level II, PG64-28. HMA shall be compacted to 92.5% to 97.5% of laboratory maximum specific gravity.

ITEM 464
BITUMEN FOR TACK COAT

GALLON

The work to be done under this item shall conform to the relevant provisions of section 460 for Bituminous Concrete.

ITEM 472
BITUMINOUS CONCRETE FOR MISCELLANEOUS WORK

TON

Bituminous Concrete for patching, where required, shall be constructed in accordance with the relevant provisions of Section 472. The bituminous concrete shall be laid to the thickness directed and compacted to the satisfaction of the Engineer. Compensation shall be made at the contract unit price per ton.

ITEM 482.3
SAWING ASPHALT PAVEMENT

LINEAR FOOT

ITEM 504
GRANITE CURB VA-4 STRAIGHT

LINEAR FOOT

ITEM 504.1
GRANITE CURB VA-4 CURVED

LINEAR FOOT

ITEM 514.2
GRANITE CURB INLET – STRAIGHT – MUNICIPAL STANDARD

EACH

The work under this item shall conform to the applicable provisions of Section 501 of the Standard Specifications.

Where appropriate, the contractor shall follow the City of Somerville Standards.

ITEM 580
CURB REMOVED AND RESET

LINEAR FOOT

The Contractor shall remove and reset granite curb as designated by the Engineer and as specified under Subsection 501.62 and 501.67 of the Standard Specifications.

Item 580 Curb Removed and Reset shall also include existing curb used as transition curb for wheelchair ramps.

Measurement for Item 580 shall be on the linear foot basis for curb removed and reset.

The unit price per linear foot for Item 580 shall constitute full compensation for furnishing all labor, materials, tools and equipment necessary and shall include excavation, removing and resetting existing curbstones, pointing and gravel filling as directed.

ITEM 580.64
CURB REMOVED AND STACKED

ITEM 580.65
CURB REMOVED AND DISCARDED

ITEM 701
CONCRETE SIDEWALK

SQUARE YARD

Concrete where required, shall be constructed in accordance with the relevant provisions of Section 700. The concrete shall be laid to the thickness directed and installed to the satisfaction of the Engineer. Compensation shall be made at the contract unit price per square yard.

ITEM 701.1
CONCRETE SIDEWALK AT DRIVEWAYS

SQUARE YARD

This work shall consist of the construction of cement concrete sidewalks and driveways in accordance with Section 701 of the Standard Specifications and in close conformity with the lines and grades shown on the plans or established by the Engineer.

Concrete Sidewalks at Driveways shall be constructed according to the MassDOT 2014 Construction Standard Details provided.

ITEM 701.2
CONCRETE WHEELCHAIR RAMP

SQUARE YARD

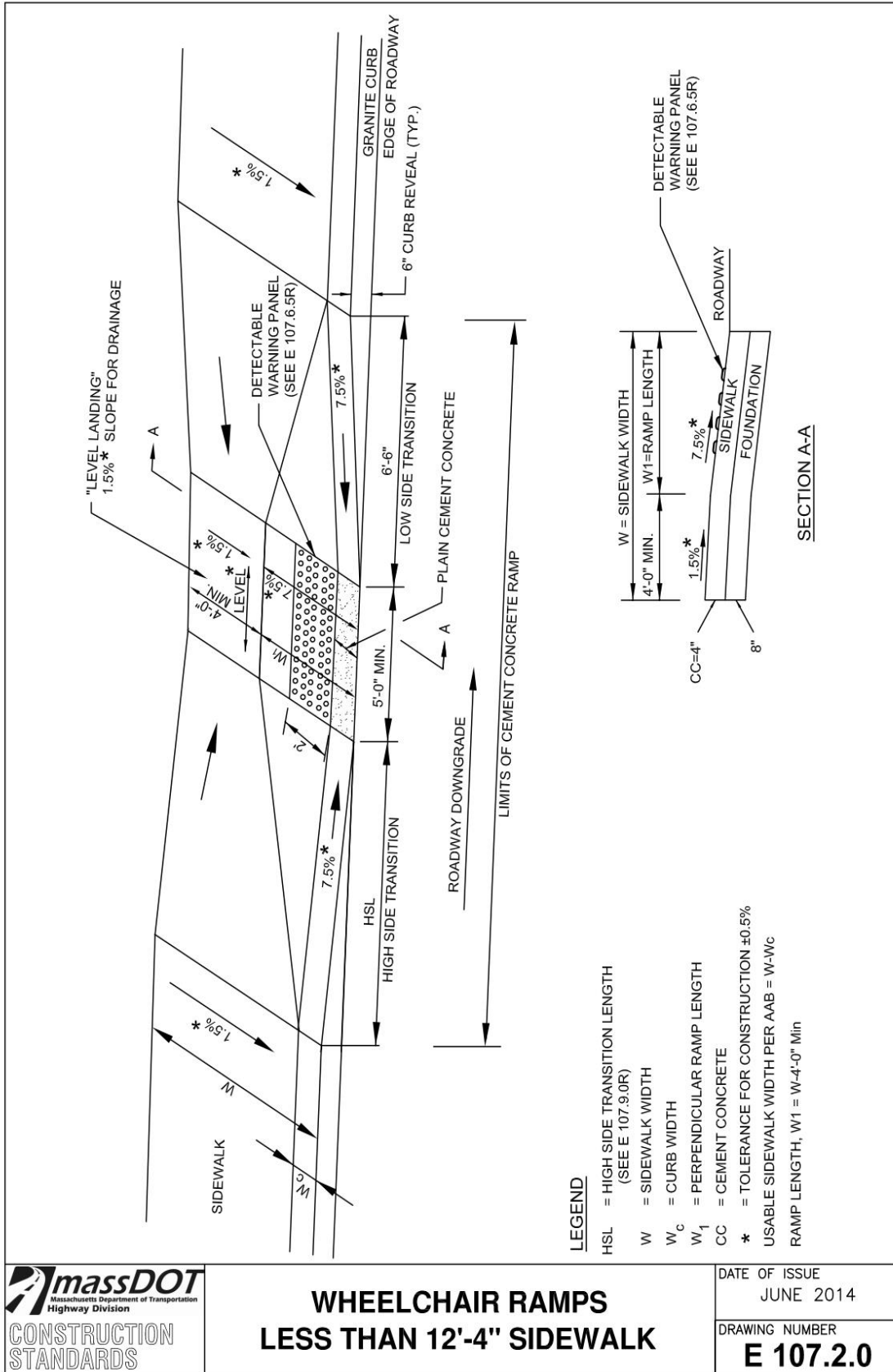
The work to be done under this item shall conform to the relevant provisions of Section 701 for Cement Concrete Sidewalks. Ramps shall be built to the latest specifications of the Mass Highway State Standards. Pavement shall include the installation of Detectable Warning Panel in accordance with Mass Highway Engineering Directive M/E 107.6.5. **Color of panels shall be brick red.**

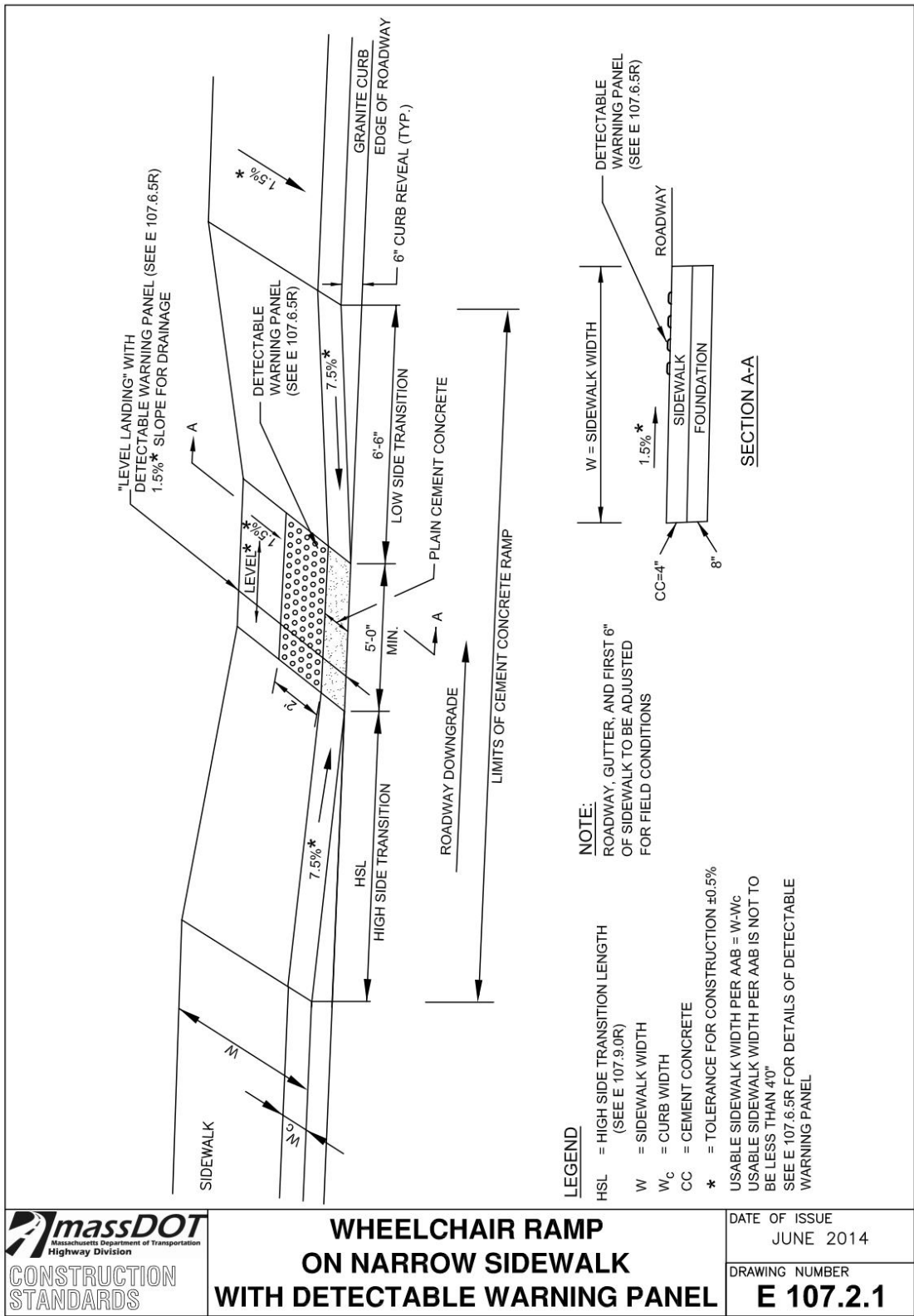
MAAB/ADA compliance is the sole responsibility of the Contractor. Any work found to be non-compliant with the regulations of the MAAB/ADA regulations shall be replaced at the Contractor's expense with no additional compensation from the City.

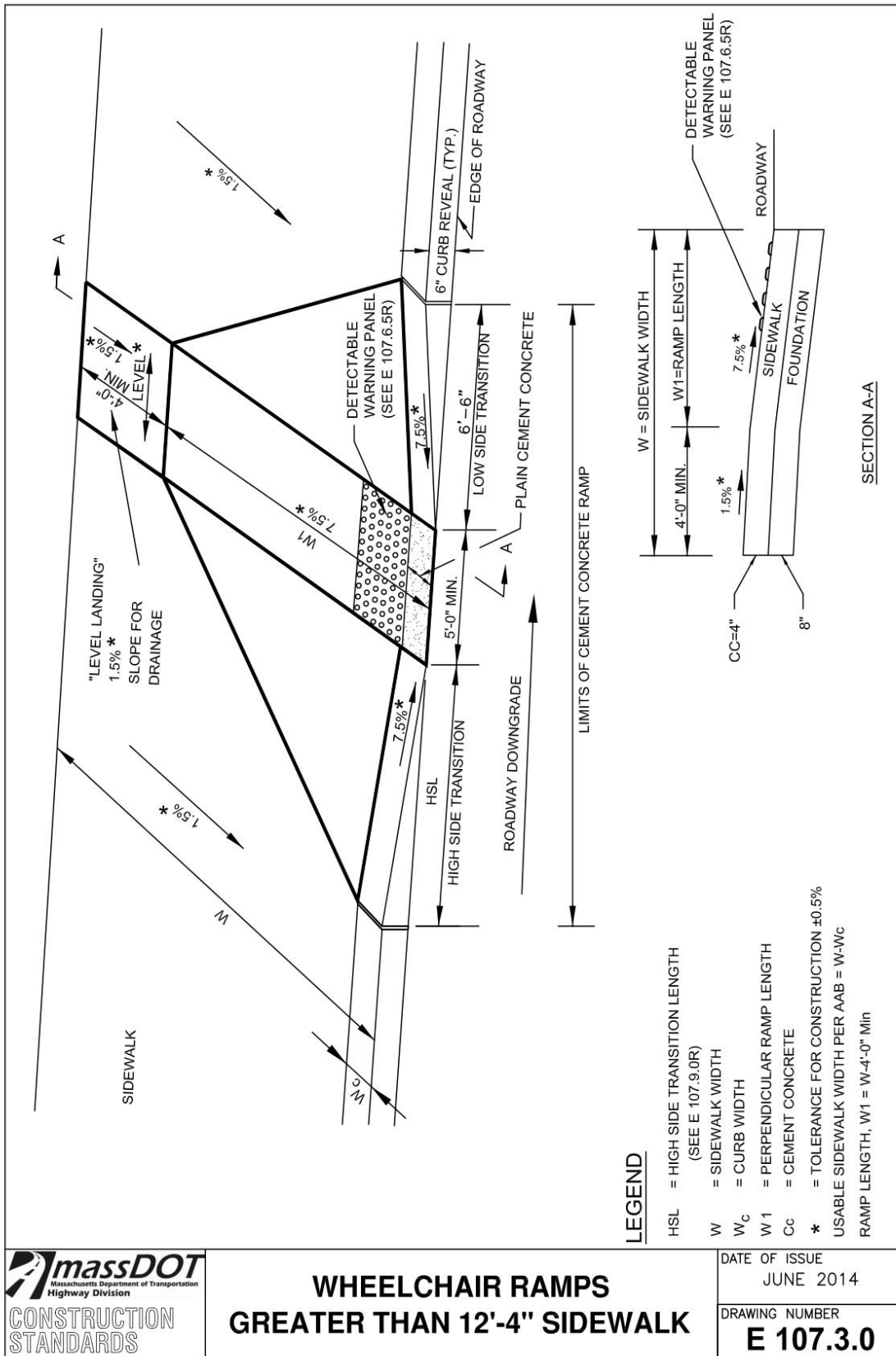
Locations of ramps shall be marked by City of Somerville prior to construction and will be located on all streets to be resurfaced and at other priority locations throughout the City.

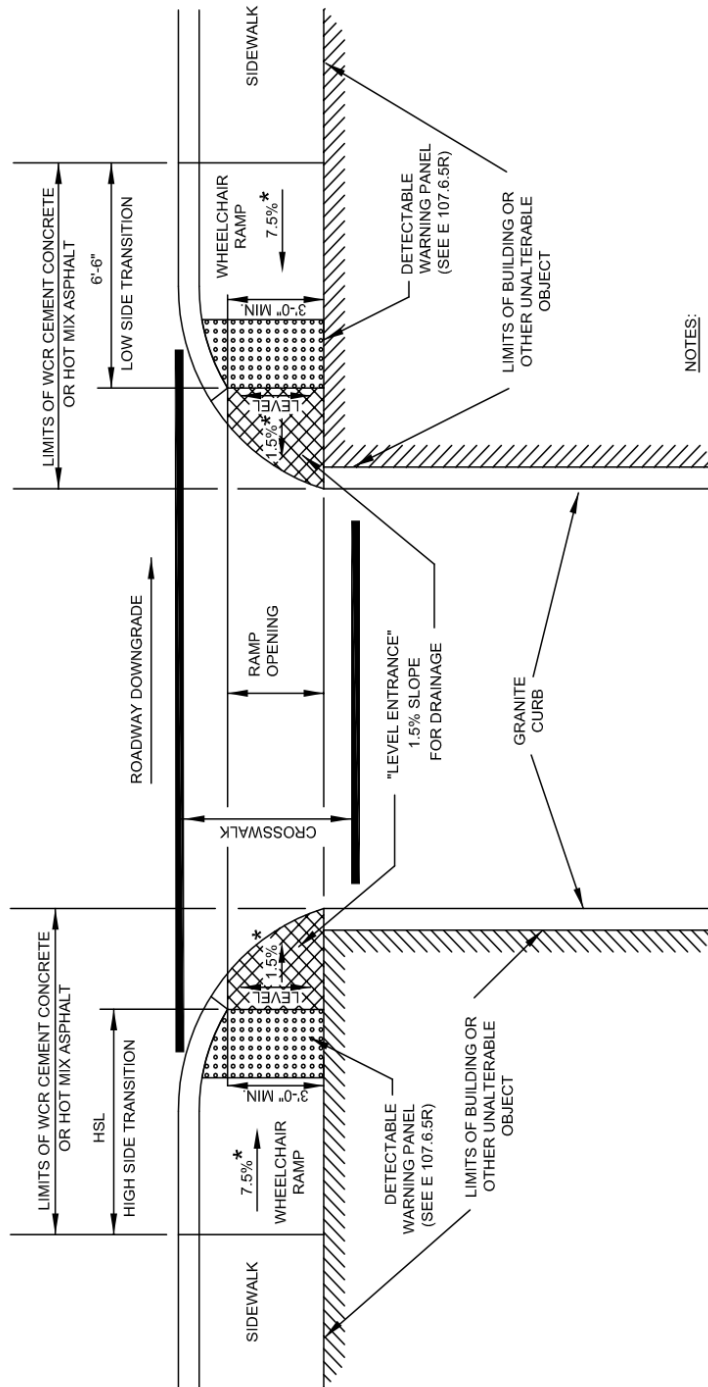
Gravel, excavation, fine-grading, remove and reset curb shall all be paid under their respective items. Payment shall be per square yard for wheelchair ramp.

Concrete Wheelchair Ramps shall be constructed according to the MassDOT 2014 Construction Standard Details provided.









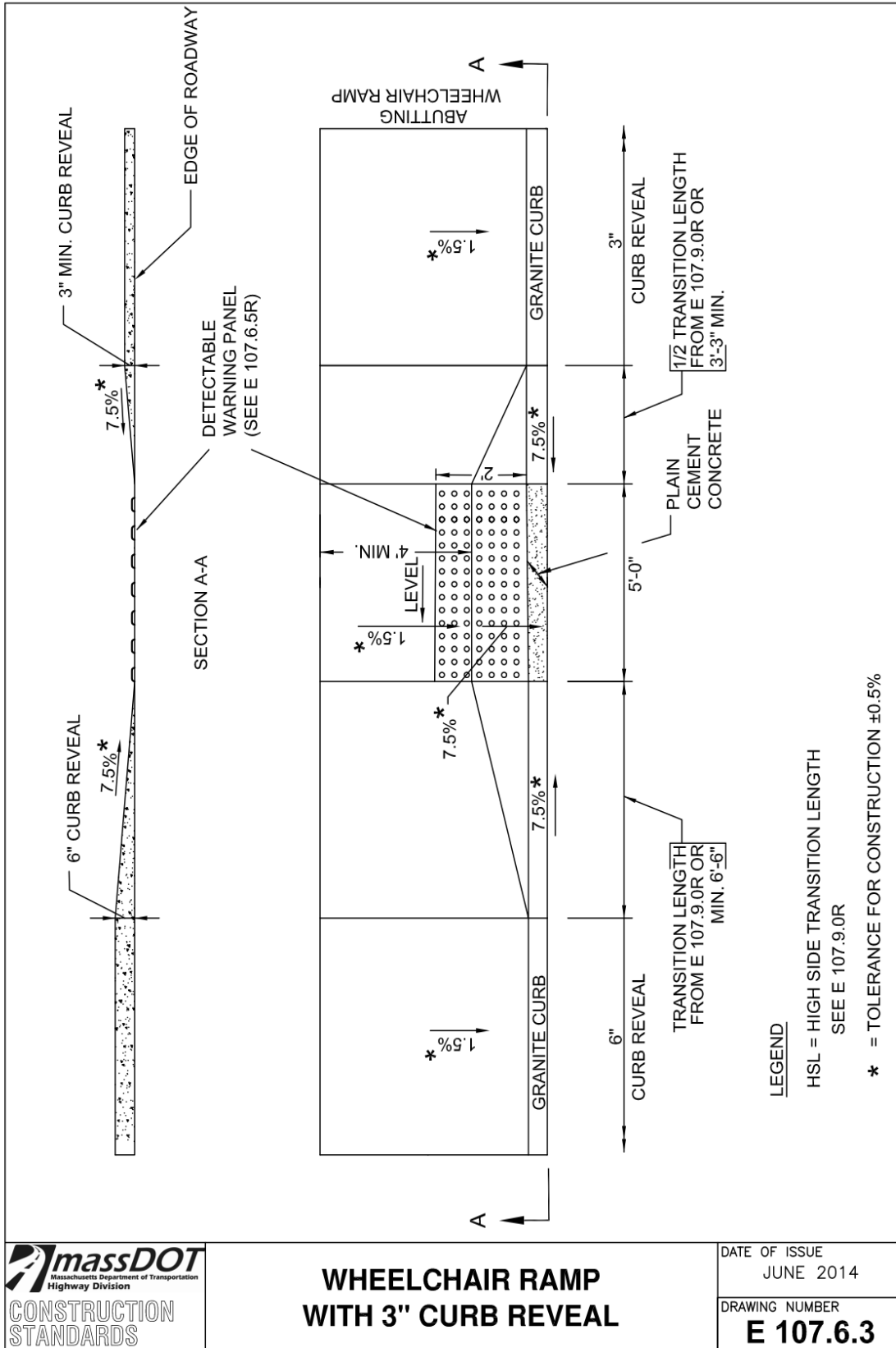
NOTES:

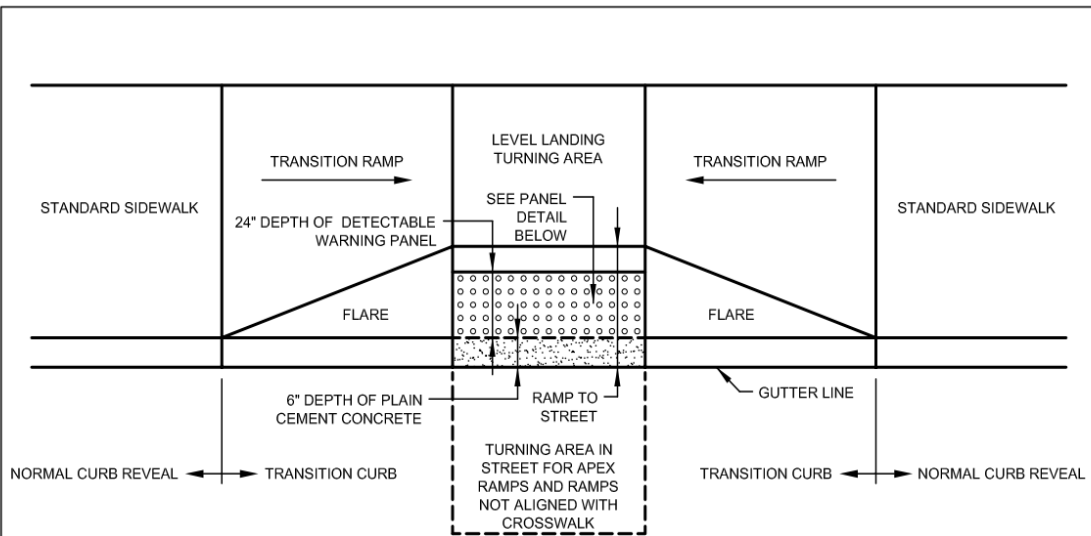
DETECTABLE WARNING PANEL
LOCATED NOT LESS THAN 6" OR MORE THAN 24"
FROM ROADWAY EDGE (GUTTER LINE). TRUNCATED
DOMES TO BE ALIGNED WITH DIRECTION OF TRAVEL.
FOR DETAILS OF TRUNCATED DOMES SEE DRAWING
E 107.6.5R.
ROADWAY GUTTER, AND FIRST 6" OF SIDEWALK TO
BE ADJUSTED FOR FIELD CONDITIONS.

LEGEND

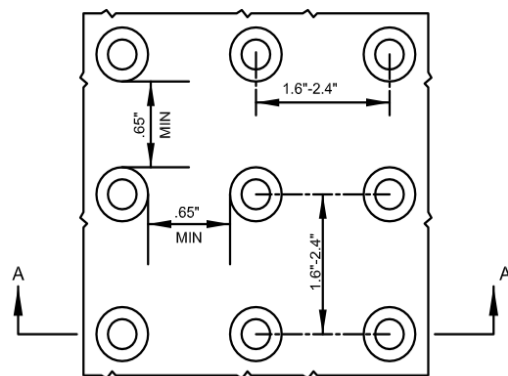
HSL = HIGH SIDE TRANSITION LENGTH
(SEE E 107.9.0R)

* = TOLERANCE FOR CONSTRUCTION $\pm 0.5\%$

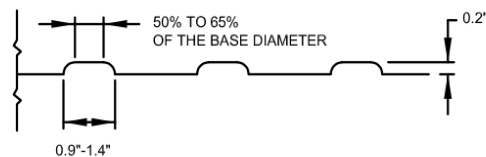




TYPICAL INSTALLATION



DETAIL OF DETECTABLE WARNING PANEL



SECTION A-A

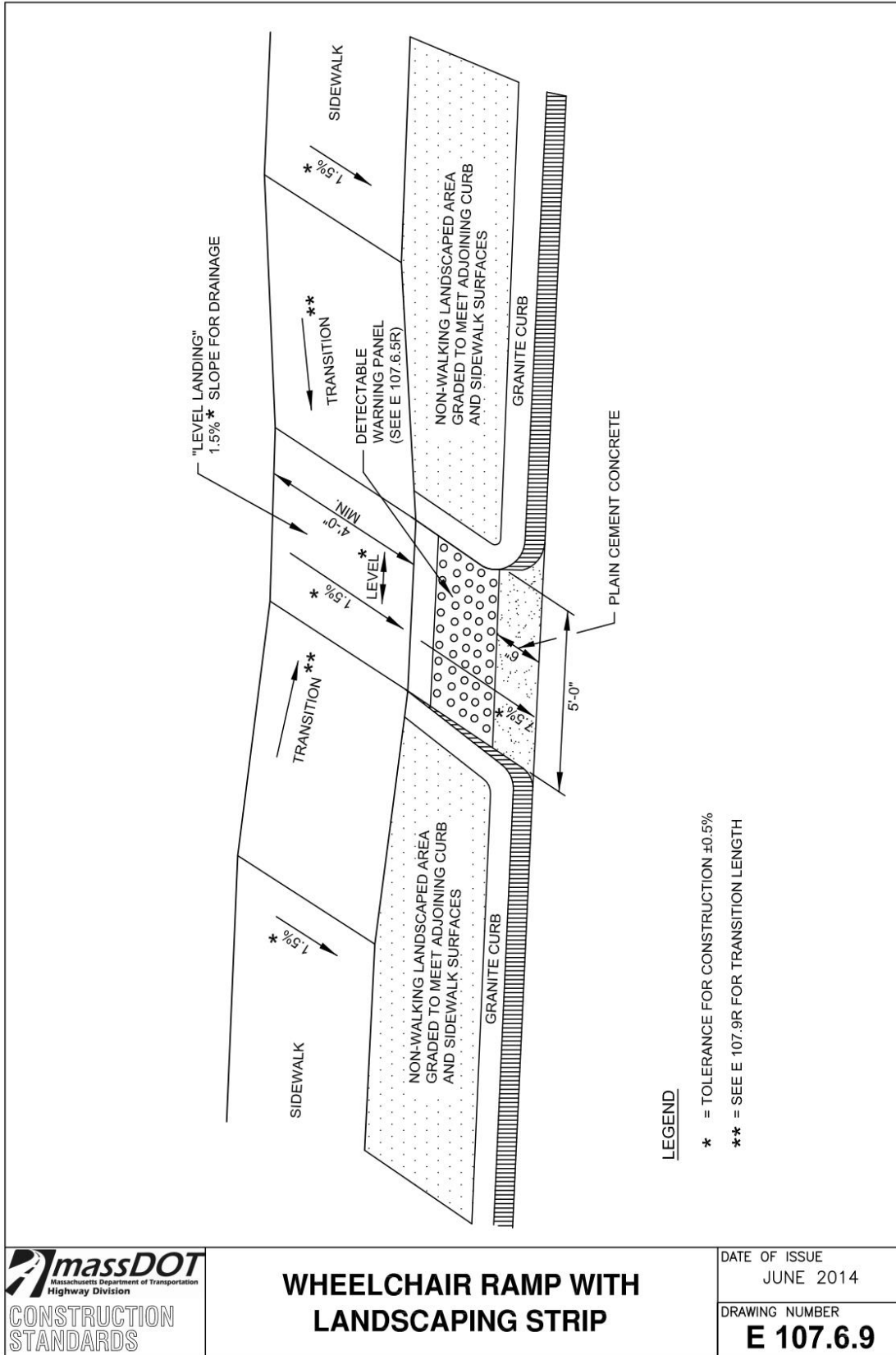
NOTE:

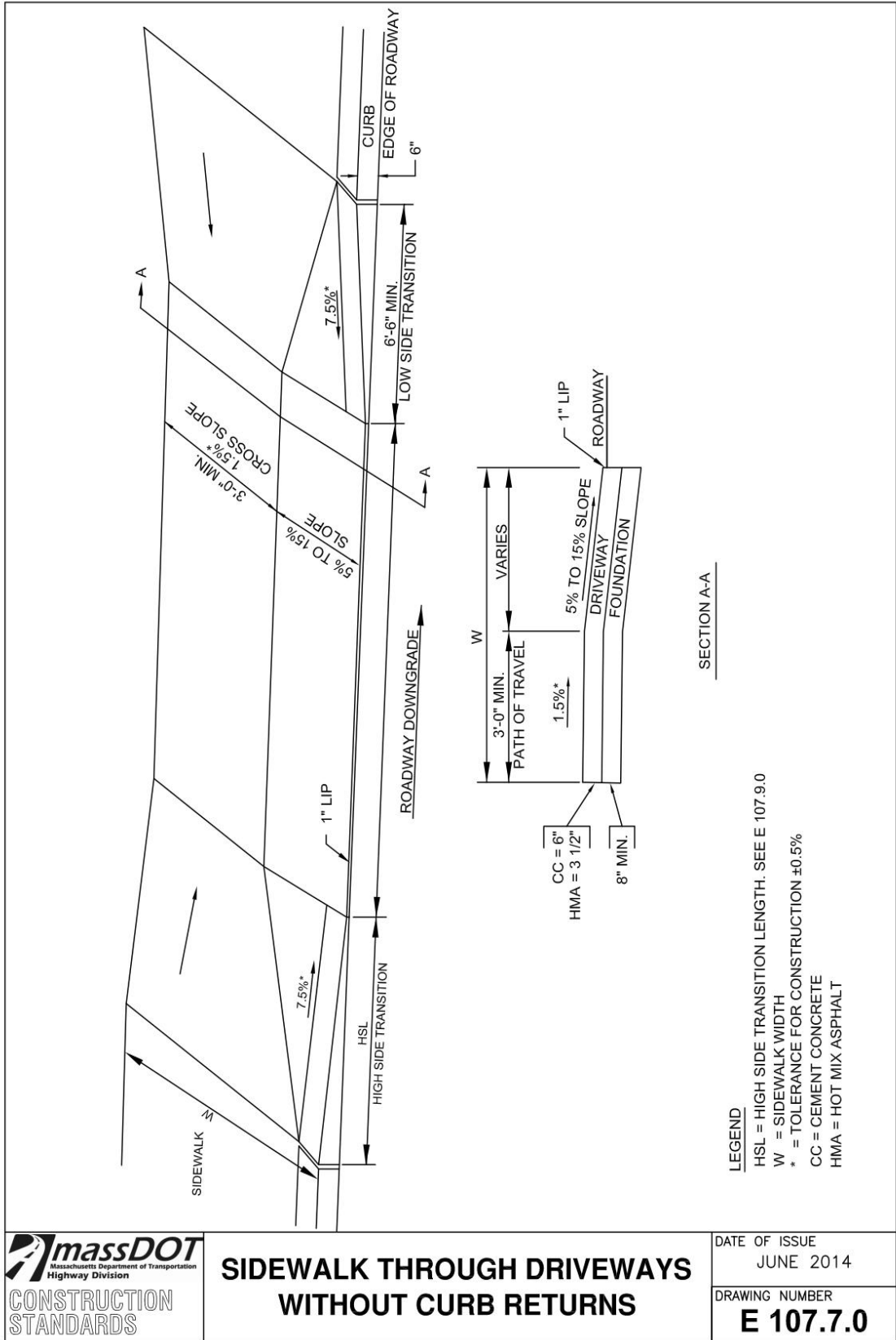
PANELS MAY BE CONCRETE PRECAST OR CAST IN PLACE OR OTHER SUITABLE MATERIAL PERMANENTLY APPLIED TO THE RAMP. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.

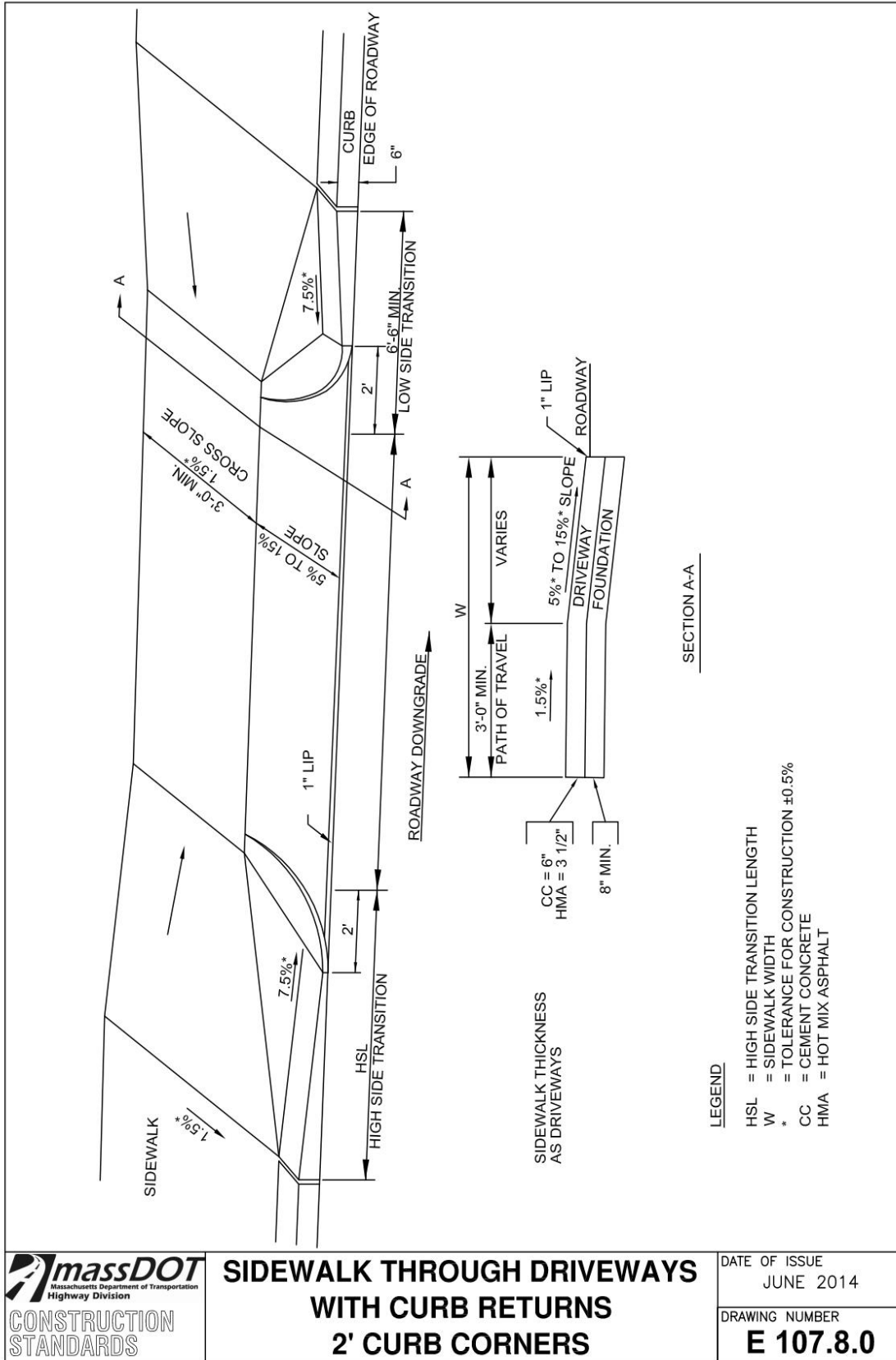


**DETECTABLE WARNING PANEL
FOR WHEELCHAIR RAMPS AND
STANDARD RAMP TERMINOLOGY**

DATE OF ISSUE
JUNE 2014
DRAWING NUMBER
E 107.6.5









*MUST MAINTAIN PATH OF TRAVEL WITH 1.5% CROSS SLOPE (± 0.5% CONSTRUCTION TOLERANCE)

CURB TRANSITION LENGTH FOR WHEELCHAIR RAMPS

DATE OF ISSUE
JUNE 2014

DRAWING NUMBER
E 107.9.0

| ROADWAY PROFILE GRADE | * HIGH SIDE TRANSITION LENGTH |
|--------------------------|----------------------------------|
| % | ENGLISH UNITS |
| =0% | 6'-6" |
| >0% TO 1% | 7'-8" |
| >1% TO 2% | 9'-0" |
| >2% TO 3% | 11'-0" |
| >3% TO 4% | 14'-0" |
| >4% TO 5% | 15'-0" Max |

NOTE:

* BASED ON A DESIGN SLOPE OF
7.5% AND A REVEAL OF 6".

ITEM 701.25
REPAIRS TO BACK OF SIDEWALK

MAN-HOUR

At handicap ramps, sidewalks and driveways, whenever repairs are required due to change in grade, the Contractor shall make any necessary repairs to walls, foundations, fences, lawns, etc. This work shall be paid by the contract unit price per man-hour, which price shall include all necessary labor, tools, equipment and material.

ITEM 706.1
BRICK SIDEWALK ON NEW CONCRETE BASE

SQUARE YARD

GENERAL

Scope - The work under these items shall consist of furnishing and laying of brick paving with hand-tight butt joints swept with a sand/cement mix on mastic adhesive on a sand asphalt setting bed on a new or existing concrete base. The finished brick paver surface will have a cross slope of 1.5% (2% maximum) to provide for surface drainage, unless otherwise required by the Engineer.

MATERIALS

Brick

- a) The bricks shall be for exterior paving, and shall meet or exceed the requirements and allowances of ASTM C-902, Class SX, Abrasion Type I, and Application PX.
- b) The bricks shall be Pine Hall Pavers, wire cut brick pavers as manufactured by Pine Hall Brick, P.O. Box 11044, 2701 Shorefair Dr. (27105), Winston-Salem, NC 27116-1044 and distributed by Spaulding Brick Co., 120 Middlesex Avenue, Somerville, MA (617) 666-3200, or approved equal.
- c) The color shall be Pathway Red, Full Range. Bricks shall be eight inches by four inches by two and one quarter inches (8" x 4" x 2-1/4") with a wire cut texture,
- d) All materials shall be delivered, stored, and handled to protect them from wetting, staining, chipping, or other damage. Perishable materials shall be stored in watertight sheds with elevated floors. Bricks shall be stored off the ground and under watertight covers. Any material showing evidence of water or other damage will be rejected.

The brick shall have an 8% cold water absorption after a twenty-four (24) hour submersion test and a fifty (50) cycle freeze thaw test. Laminated brick will not be accepted. Unsanded side of brick beds shall be waxed with minimum 150 degree wax with not more than 1/2 of 1% oil content, which after laying, shall be cleaned by Steam Jenny with capacity of 150 gallon per hour, 325 degree coil temperature, 120 psi. Standard face brick shall not be acceptable. Each brick shall be individually molded in Cherry wood molds by single slugs of clay to eliminate lamination.

Mastic Adhesive - Adhesive shall consist of 2 percent neoprene (Grade WM1) oxidized asphalt with 155° F. softening point (80 penetration) and 10 percent long fibered asbestos.

Sand Asphalt Setting Bed - Asphalt cement shall conform to ASTM D 946, penetration grade 85-100. Sand shall be clean, hard sand with durable particles uniformly graded from coarse to fine and all passing the No. 4 sieve and conforming to ASTM C 144. The asphalt cement and sand shall be mixed at an asphalt plant in the proportion of 7 percent asphalt cement and 93 percent sand. The mix shall be heated to 300° F.

Sand

Sand shall be a clean, washed uniformly well graded masonry sand conforming to the requirements of ASTM Specification C-144-70 with the further requirements that the fineness modulus shall be maintained at 2.25 plus/minus 0.10. Sand shall be from a single source meeting these requirements and as approved by the Engineer after laboratory test. Source of supply shall not be changed during the course of job without written consent of the Engineer.

Portland Cement

Portland Cement shall conform to the requirements of AASHTO M240 mortar.

Water

Water shall be potable and free of injurious contaminants.

Colorant

The colorant shall be of a type and quality which will not adversely affect workability, setting or strength and shall be compatible with the latex bonding agent employed. The color shall be chemically inert, non-fading, alkali fast mineral oxides, finely ground and specially prepared for use in cement mortar. Color of brick mortar shall closely match color of the brick. Colorant additive shall be "Color-Port", C-492 as manufactured by Riverton Corp or an approved equal.

Preformed Joint Filler

Preformed joint filler shall be nonextruding and resilient non-bituminous and shall conform to AASHTO-M153.65 Type II for Standard Cork Filler.

Joint Sealant

Joint sealer shall be a one part, moisture-cured, non-sag, polyurethane sealant which meets or exceeds Federal Specification TT-S00230c, Type II, Class A. Sealant shall be similar to Sikaflex-1a as manufactured by Sika Chemical Corp, Lyndhurst, NJ, or an approved equal.

Compressible Filler

Compressible filler shall be installed along the perimeter of brick paving and at other locations where shown on the contract drawings or where required by the Engineer.

The filler shall be preformed, closed-cell foam polyethylene, sponge rubber, and of proper thickness to be under compression, 3/8 inch thick and shall be kept one (1) inch below the top of the brick paving to allow the caulking with an additional sealant back-up which is compatible with the sealant used prior to the installation sealant itself.

Concrete Base

Concrete for base course shall conform to the requirements of M4.02.00 for Class A cement concrete.

Sample Materials and Panels

Prior to ordering materials, the Contractor shall submit to the Engineer for approval, samples of brick and of masonry accessories. Samples of other materials to be used and samples for testing shall be submitted as requested by the Engineer. Bricks shall be submitted in whole straps or panels to show color range and texture. Before construction is begun a sample panel of at least twenty-five (25) bricks shall be laid as a job site panel to be retained for reference until the project is accepted.

CONSTRUCTION METHODS

Excavation

The paving shall be designed to provide proper drainage at all points, above and below ground and the required excavation shall be made and the subgrade shall be fine graded 1/8 inch to 1/4 inch per foot to provide proper drainage of the ground before placing the gravel subbase.

Concrete Base Slab

The six (6) inch cement concrete base slab shall be constructed on the gravel subbase and rough finished true, uniform, parallel with and three (3) inches below the surface of the finished brick paved areas. Expansion joints in the slab shall be located as shown on the plans or where required by the Engineer. These are located not more than sixteen (16) feet apart and shall correspond to joints in the overlaying brick paving.

Sand Asphalt Setting Bed

Sweep the concrete base clean. Set 1 inch depth bars; adjust with shims where necessary to bring the bars to proper grade. Spread sand asphalt mixture and pull with striking board over the control bars several times. After each pass, shower fresh mix over low spots until a smooth, firm and even setting bed is achieved. Carefully fill depressions remaining after depth control bars and shims are removed. Roll while hot with a light steel roller to a final surface depth.

Brick Laying

- a) All brick shall be laid by skilled workmen under adequate supervision, true to lines and levels and patterns as shown on the Drawings or as required by the Engineer. Contractor will take care to select bricks which will allow accurate patterns and uniform joint alignment, especially for corner conditions around tree grate bands.
- b) Cut bricks to provide butt joints with parallel brick edges. Use no brick smaller than one-half size in any dimension for any cut pieces.
- c) All brick cutting shall be accomplished with a water-cooled masonry saw only.
- d) The brick paving has been designed to provide adequate drainage at all points. If any condition is encountered between given elevations where drain-off is questionable, the Contractor shall notify the Engineer and not proceed with the work until instructions are given. The finished work shall not deviate from the graded elevations.
- e) Apply asphalt mastic adhesive to the sand asphalt setting bed using a trowel having 1/16-inch serrations.
- f) Set brick with hand-tight joints in the various patterns shown on the drawings. Saw cut brick to fit as required by job conditions. Use machine saw cuts only.
- g) Protect newly installed units with plywood panels against uneven settlement and misalignment and correct any deficiencies. Continually check the surface for finished line and grade with a straight edge. If any settlement occurs that produces a mismatch of more than 1/16-inch at the interface between brick pavements and other pavements prior to final acceptance, relay the bricks near the interface for a sufficient distance to provide a smooth transition of the brick surfaces and to provide a satisfactory match between brick and adjacent surfaces.
- h) Fill joints between bricks with 4:1 sand/cement mix swept into joints until completely filled. Fog surface with water to compact mix into the joints. Repeat the process until joints are compacted and filled.

Clean all stains immediately by Steam Jenny with capacity of 150 gallons per hour, 325° F coil temperature, 120 psi.

Working Adjacent To Trees

Work around and adjacent to existing trees shall be done exercising special care in excavating where tree roots are present. Excavation around roots of trees to remain shall be done entirely by hand. When roots over one (1) inch in diameter are in the way and need to be cut, they shall be saw cut neatly and left unpainted. Exposed roots shall not be left to dry in heat of sun or to freeze in cold, but shall be covered promptly and protected. In no case shall more than one third (1/3) of the total root structure be disturbed or cut unless required by the Engineer. When working near trees, the Contractor shall avoid injuring the bark. If damage to bark occurs, the bark shall be cut back to a clean edge. Where required by the Arborist, the Contractor shall saw cut off roots of existing trees under the conditions described above. This work shall be considered incidental to this Item.

Measurement and Payment

Brick walk shall be measured complete in place and the area in square yards as determined by the Engineer.

Brick walk will be paid for at the contract unit price, per square yard, complete in place which price will be full compensation for furnishing and installing all bricks, concrete base, mastic adhesive, sand asphalt setting bed, compressible filler, sealant, steam cleaning, and all incidental labor and materials necessary to complete the work.

The forming of all tree pits shall be considered as incidental work.

ITEM 701.2

BRICK WHEELCHAIR RAMP

SQUARE YARD

The work to be done under this item shall conform to the relevant provisions of Section 701 for Cement Concrete Sidewalks. Ramps shall be built to the latest specifications of the Mass Highway State Standards. Pavement shall include the installation of Detectable Warning Panel in accordance with Mass Highway Engineering Directive M/E 107.6.5. **Color of panels shall be brick red.**

Materials and construction methods for shall adhere to Item 701.1 Brick Sidewalk on New Concrete Base.

MAAB/ADA compliance is the sole responsibility of the Contractor. Any work found to be non-compliant with the regulations of the MAAB/ADA regulations shall be replaced at the Contractor's expense with no additional compensation from the City.

Locations of ramps shall be marked by City of Somerville prior to construction and will be located on all streets to be resurfaced and at other priority locations throughout the City.

Gravel, excavation, fine-grading, remove and reset curb shall all be paid under their respective items. Payment shall be per square yard for wheelchair ramp.

Concrete Wheelchair Ramps shall be constructed according to the MassDOT 2014 Construction Standard Details provided after Item 701.1.

Measurement and Payment

Brick Wheelchair Ramps shall be measured complete in place and the area in square yards as determined by the Engineer.

Brick Wheelchair Ramps will be paid for at the contract unit price, per square yard, complete in place which

price will be full compensation for furnishing and installing all bricks, concrete base, mastic adhesive, sand asphalt setting bed, compressible filler, sealant, steam cleaning, and all incidental labor and materials necessary to complete the work.

The forming of all tree pits shall be considered as incidental work.

ITEM 734

SIGN REMOVED AND RESET

EACH

Work under this section shall be in accordance with the relevant provisions of Section 700.

ITEM 751

LOAM BORROW

CUBIC YARD

The work to be done under this item shall conform to the relevant provisions of Section 751 for loam borrow.

ITEM 815

TRAFFIC SIGNAL LOOP DETECTOR

EACH

The work to be done under this item shall conform to the relevant provisions of Section 800 for traffic signal loop detector.

ITEM 851

SAFETY CONTROLS FOR CONSTRUCTION OPERATIONS

LUMP SUM

The work to be done under this item shall conform to the relevant provisions of Section 850 for safety controls for construction operations.

ITEM 999.001

TRAFFIC POLICE

ALLOWANCE

The Contractor shall provide such police officers as the Engineer deems necessary for the direction and control of traffic within the site of the improvement. Such officers shall wear regulation policemen's uniforms. Compensation for the services of said police officers to be paid by the Contractor to a designated municipal official, at a patrolman's rate of pay, subject to all rules and regulations, ordinances or by-laws in effect in the City of Somerville.

The Contractor is required to submit weekly certified copies of payroll, covering such police officers, containing complete payroll information and payment receipts.

The City of Somerville will reimburse the Contractor for payments made for the services of all required traffic officers upon receipt of payment vouchers.

III. Quality Requirements

Please respond to the following questions. A negative response to any of the following questions will automatically disqualify the vendor:

| | Yes | No |
|--|-----|----|
| Has the contractor been established, in the street resurfacing field, for at least 5 years? | | |
| Will vendor be able to respond within 48 hours after notification to proceed from the City? | | |
| The Contractor is able to provide all labor, materials and equipment necessary to perform the required street resurfacing, according to the specifications? | | |
| The Contractor is fully qualified to perform the street resurfacing as specified; and is able to provide qualified personnel that will consist of a full crew? | | |
| Can the Vendor certify that all employees to be provided, have successfully completed at least 10 hours of OSHA approved training in Construction Safety and Health? | | |
| Optional: Vendor: Are you a State Office for Minority and Women Owned Business Assistance (SOMWBA) certified minority or woman owned business? | | |

IV. References

Please include on a separate sheet (see form enclosed) a minimum of three references for whom similar Street Resurfacing services have been provided. Include contact person and telephone number along with company name and address.

All prices must include travel time, fuel costs, delivery, and any other additional costs not provided for on the bid price sheet.

IV. References
REFERENCE FORM

Bidder: _____

IFB Title: **2016 Street Resurfacing Project**

Bidder must provide references from three municipalities.

Reference: _____ Contact: _____

Address: _____ Phone: _____

_____ Fax: _____

Description and date(s) of supplies or services provided: _____

Reference: _____ Contact: _____

Address: _____ Phone: _____

_____ Fax: _____

Description and date(s) of supplies or services provided: _____

Reference: _____ Contact: _____

Address: _____ Phone: _____

_____ Fax: _____

Description and date(s) of supplies or services provided: _____

V. Rule for Award

One contract will be awarded to the lowest responsive and responsible bidder.

VI. Bid Pricing Sheet

Please quote on the listed items. Prices are to include equipment, delivery, the cost of fuel, the cost of labor and all other charges related to the products and services listed. Prices are to remain the same for the entire contract period.

2016 STREET RESURFACING PROJECT

2" MILL AND SUPERPAVE

| STREET LENGTH | FROM | TO | APPROX. |
|--------------------------|----------------|----------------|----------------|
| Banks St | Elm St | Summer St | 660' |
| Cherry St | Elm St | End | 1500' |
| Concord Ave | Beacon St | Springfield St | 1000' |
| Cooney St | Beacon St | Line St | 260' |
| Crest Hill Rd | Ten Hills Rd | Shore Dr | 270' |
| Dane St | Somerville Ave | Village St | 700' |
| Day St | Cambridge C.L. | Elm St | 1000' |
| Forest St | Cambridge C.L. | Beacon St | 130' |
| Forster St | Sycamore St | Central St | 470' |
| Highland Ave | Ellington St | College Ave | 975' |
| Museum St | Cambridge C.L. | Beacon St | 205' |
| Park Ave | College Ave | Wallace St | 550' |
| Porter St | Summer St | Highland Ave | 850' |
| Roseland St | Cambridge C.L. | Beacon St | 160' |

Streets and limits shown may change without notice at the discretion of the Commissioner of Public Works. The above streets are only estimates; the City reserves the sole right to change the location of work.

**BID PRICING PAGE
2016 STREET RESURFACING PROJECT
SOMERVILLE, MA**

| Item # | Est. Quantity | Item Description | Unit Price | | Amount | |
|--------|---------------|---|------------|-------|---------------------------|-------|
| | | | Dollars | Cents | Dollars | Cents |
| | | With Unit Bid Price written in words | | | | |
| | | | | | | |
| 103. | 4 | Tree Removed Under 24" Diameter | | | | |
| | | Each | | | | |
| 104. | 4 | Tree Removed 24" Diameter and Over | | | | |
| | | Each | | | | |
| 120.1 | 5,480 | Unclassified Excavation | | | | |
| | | Cubic Yard | | | | |
| 129 | 30,180 | Bituminous Concrete Excavation by Cold Planer | | | | |
| | | Square Yard | | | | |
| 141.1 | 30 | Test Pit for Exploratory Excavation | | | | |
| | | Cubic Yard | | | | |
| 151 | 3,620 | Gravel Borrow | | | | |
| | | Cubic Yard | | | | |
| 170.62 | 16,450 | Fine Grading and Compacting | | | | |
| | | Square Yard | | | | |
| 220 | 178 | Drainage Structure Adjusted | | | | |
| | | Each | | | | |
| | | | | | subTotal Amount Page 1 | |

**BID PRICING PAGE
2016 STREET RESURFACING PROJECT
SOMERVILLE, MA**

| Item # | Est. Quantity | Item Description | Unit Price | | Amount | |
|--------|---------------|---|------------|-------|---------------------------|-------|
| | | | Dollars | Cents | Dollars | Cents |
| | | With Unit Bid Price written in words | | | | |
| 220.2 | 50 | Drainage Structure Rebuilt | | | | |
| | | Vertical Foot | | | | |
| 220.6 | 20 | Sanitary Structure Rebuilt | | | | |
| | | Vertical Foot | | | | |
| 220.7 | 30 | Sanitary Structure Adjusted | | | | |
| | | Each | | | | |
| 222.2 | 4 | Frame and Grate (or Cover) – Municipal Standard | | | | |
| | | Each | | | | |
| 225.52 | 4 | Trap and Hood – Municipal Standard | | | | |
| | | Each | | | | |
| 224 | 20 | Manhole Adjusted | | | | |
| | | Each | | | | |
| 357 | 10 | Gate Box New | | | | |
| | | Each | | | | |
| 358 | 85 | Gate Box Adjusted Roadway | | | | |
| | | Each | | | | |
| 358.2 | 450 | Gate Box Adjusted Sidewalk | | | | |
| | | Each | | | | |
| | | | | | subTotal Amount Page 2 | |

**BID PRICING PAGE
2016 STREET RESURFACING PROJECT
SOMERVILLE, MA**

| Item # | Est. Quantity | Item Description | Unit Price | | Amount | |
|--------|---------------|--------------------------------------|------------|-------|---------------------------|-------|
| | | | Dollars | Cents | Dollars | Cents |
| | | With Unit Bid Price written in words | | | | |
| 431.1 | 44 | High Early Strength Concrete | | | | |
| | | Cubic Yard | | | | |
| 453 | 3,000 | Hot Mix Asphalt Joint Sealer | | | | |
| | | Linear Foot | | | | |
| 460 | 3,380 | Bituminous Pavement | | | | |
| | | Ton | | | | |
| 464 | 2,750 | Bitumen for Tack Coat | | | | |
| | | Gallon | | | | |
| 472 | 200 | Miscellaneous Pavement | | | | |
| | | Linear Foot | | | | |
| 482.3 | 7,800 | Sawing Asphalt Pavement | | | | |
| | | Linear Foot | | | | |
| 504 | 500 | Granite Curb VA4-Straight | | | | |
| | | Linear Foot | | | | |
| 504.1 | 140 | Granite Curb VA4-Curved | | | | |
| | | Linear Foot | | | | |
| 580 | 17,400 | Curb Removed and Reset | | | | |
| | | Linear Foot | | | | |
| 580 | 50 | Curb Removed and Disposed | | | | |
| | | Linear Foot | | | | |
| 594 | 50 | Curb Removed and Stacked | | | | |
| | | Linear Foot | | | | |
| | | | | | subTotal Amount Page 3 | |

**BID PRICING PAGE
2016 STREET RESURFACING PROJECT
SOMERVILLE, MA**

| Item # | Est. Quantity | Item Description | Unit Price | | Amount | |
|---------|---------------|---|------------|-------|---------------------------|-------|
| | | | Dollars | Cents | Dollars | Cents |
| | | With Unit Bid Price written in words | | | | |
| 701. | 16,450 | Concrete Sidewalk 4" | | | | |
| | | Square Yard | | | | |
| 701.1 | 2,310 | Concrete Driveway 6" Thick | | | | |
| | | Square Yard | | | | |
| 701.2 | 1,450 | Cement Concrete Wheelchair Ramp | | | | |
| | | Square Yard | | | | |
| 701.25 | 80 | Repairs to Back of Sidewalk | | | | |
| | | Man Hours | | | | |
| 706 | 168 | Brick Sidewalk on New Concrete Bed | | | | |
| | | Square Yard | | | | |
| 706.3 | 72 | Brick Wheel Chair Ramp | | | | |
| | | Square Yard | | | | |
| 734 | 100 | Sign Removed and Reset | | | | |
| | | Each | | | | |
| 751 | 42 | Loam Borrow | | | | |
| | | Cubic Yard | | | | |
| 819.831 | 400 | Wire Loop in Roadway | | | | |
| | | FT | | | | |
| 851 | 1 | Safety Controls for Construction Operations | | | | |
| | | Lump Sum | | | | |
| 999.01 | 1 | Police details | 225,500 | | 225,500 | |
| | | Lump Sum | | | | |
| | | | | | subTotal Amount Page 4 | |

**BID PRICING PAGE
2016 STREET RESURFACING PROJECT
SOMERVILLE, MA**

| | | | | Amount | |
|--|--|---|--|----------------|--------------|
| | | | | Dollars | Cents |
| | | Subtotal page 1 Price written in words | | | |
| | | | Subtotal: Amount from Page 1 | | |
| | | Subtotal page 2 Price written in words | | | |
| | | | Subtotal: Amount from Page 2 | | |
| | | Subtotal page 3 Price written in words | | | |
| | | | Subtotal: Amount from Page 3 | | |
| | | Subtotal page 4 Price written in words | | | |
| | | | Subtotal: Amount from Page 4 | | |
| | | Total Price written in words | | | |
| | | | Total: | | |

Company Name: _____

Signature: _____

Signature Name & Title: _____

Telephone #: _____ Fax #: _____

Date: _____

ADDENDA #1_____ #2_____ #3_____ #4_____ACKNOWLEDGED
Failure to acknowledge receipt of addenda may result in your bid being rejected.

**FORM FOR GENERAL BID
FOR CONSTRUCTION CONTRACT**

To the Awarding Authority

A. The undersigned proposes to furnish all labor and materials required for:

(project)

(city or town)

in accordance with the accompanying plans and specifications prepared by

The City of Somerville
(name of Architect)

specified below, subject to additions and deductions according to the terms of the specifications.

B. This bid includes addenda numbered _____

C. This proposed contract price is _____

(total bid in words)

\$ _____
(total bid in figures)

D. If there is attached a "Bid Form for Alternates", the Bidder shall fill in prices for each alternate. All blank spaces must be filled in. The omission of any item will result in the rejection of a bid. The price of each alternate shall include its pro rata share of overhead and profit;

E. The Undersigned Bidder agrees that, if it is selected as general contractor, it will within five days, Saturdays, Sundays and legal holidays excluded, after presentation thereof by the Awarding Authority, execute a contract in accordance with the terms of this bid and furnish a performance bond and also a labor and materials or payment bond, each of a surety company qualified to do business under the laws of the Commonwealth of Massachusetts and satisfactory to the Awarding Authority and each in the sum of the contract price, the premiums for which are to be paid by the general contractor and are included in the contract price.

F. The Undersigned Bidder hereby certifies that it is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the Project and

that it will comply fully with all laws and regulations applicable to this Award, including applicable provisions if MGL Chapter 149, ss.44A - J and MGL Chapter 30, ss. 39M et seq.

G. The Undersigned Bidder further certifies under the penalties of perjury that this bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this subsection the work "person" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity.

H. The Undersigned Bidder agrees to comply with federal and state equal opportunity and labor requirements, including payment of prevailing wages.

I. The Undersigned Bidder certifies that it is a (Sole Proprietorship, General Partnership, Limited Partnership, Corporation, Trust, Joint Venture) _____, that the Federal Employer Identification Number (EIN) of the Bidder is # _____, and that it is in compliance with all federal, state, and local laws regarding taxation, and that:

1) if a Sole Proprietorship, it conducts business under the name _____, and that a D/B/A Certificate has been filed with the Clerk of the City of Somerville, and that the residential address of the sole proprietor is _____, and that the Bidder has been conducting business under that name for _____ years.

2) if a General Partnership, then name of the General Partnership is _____, the General partnership has been doing business under that name for _____ years, and the names and residential addresses of the General Partners are _____

3) if a Limited Partnership, the name of the Limited partnership is _____, the Limited Partnership has been doing business under that name for _____ years, the names and residential addresses of the General Partners of the Limited Partnership are _____

_____ and, a Certificate of Limited Partnership (obtainable from the Secretary of the Commonwealth) is submitted with this Form for Bid.

4) If a Corporation, the Bidder is incorporated in the State of _____, the name of the Corporation is _____ The Corporation has been doing business under that name for _____ years, the names and residential addresses of its officers are:

President: _____,

Treasurer: _____,

Clerk: _____,

and a current Certificate of Legal Existence, (obtainable from the Secretary of the Commonwealth for Massachusetts corporations and non-Massachusetts corporations

which are properly registered as foreign corporations doing business in the Commonwealth), is submitted with this Form for Bid.

5) if a Joint Venture, the name of the Joint Venture is

the Joint Venture has been operating under that name for _____ years, the names and business addresses of the Joint Venturers are:

the above-requested information regarding individual business entities is furnished for each joint venturer as follows

and that a copy of the joint venture agreement is furnished with this Form for Bid.

J. The Undersigned Bidder certifies under penalties of perjury that the Bidder is not presently debarred from doing federal or state public construction work, that the Bidder has not had its low bid rejected by any municipality in the previous two years, except _____, in which case the reasons for rejection were as follows:

K. The Undersigned Bidder certifies that the following three projects were completed during the previous six years and may be contacted by the Awarding Authority as references:

| <u>Name of Town & Project</u> | <u>\$Amount</u> | <u>Name and Tel. No. of Contact</u> |
|-----------------------------------|-----------------|-------------------------------------|
|-----------------------------------|-----------------|-------------------------------------|

| | | |
|-------|-------|-------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

- L. The Undersigned Bidder understands that the contractor and subcontractors will be required to pay prevailing wages to laborers and mechanics, and that if the Undersigned's bid is significantly below the average bid, the Awarding Authority may require the Bidder to substantiate that the bid is based on payment of wages at prevailing rates.
- M. An itemized Schedule of Values is attached with this Form for Bid.

Executed this _____ day of _____ 2016.

On behalf of _____
(Undersigned Bidder Name)

(Business Address) and (Telephone)

By: _____
(Name and Address of Person Signing Bid)

(Title of Person Signing bid)

VI. Forms

Please ensure all documents listed on this checklist are included with your bid. Failure to do so may subject the Bidder to disqualification.

- _____ Notice to Bidders (found at the beginning of this document)
- _____ Acknowledgement of Addenda (if applicable and non-price related)
- _____ Quality Requirements/Minimum Selection Criteria
- _____ Somerville Living Wage Form
- _____ Certificate of Non-Collusion and Tax Compliance
- _____ Certificate of Signature Authority
- _____ Certificate of Good Standing (will be required of awarded Vendor; please furnish with bid if available)
- _____ Insurance Specifications (bidders to review and include in bid package; furnish sample certificate with bid if possible)
- _____ Reference Form (or equivalent may be attached)
- _____ Prevailing Wage Rate Compliance Form
- _____ OSHA Compliance Form
- _____ Price Form



Non-Collusion Form and Tax Compliance Certification

Instructions: Complete each part of this two-part form and sign and date where indicated below.

A. NON-COLLUSION FORM

I, the undersigned, hereby certify 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: _____
(Individual Submitted Bid or Proposal)
Duly Authorized

Name of Business or Entity: _____

Date: _____

B. TAX COMPLIANCE CERTIFICATION

Pursuant to M.G.L. c. 62C, §49A, I certify under the penalties of perjury that, to the best of my knowledge and belief, I am in compliance with all laws of the Commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support, as well as paid all contributions and payments in lieu of contributions pursuant to MGL 151A, §19A(b).

Signature: _____
(Duly Authorized Representative of Vendor)

Name of Business or Entity: _____

Social Security Number or Federal Tax ID#: _____

Date: _____



Certificate of Authority (Corporations Only)

Instructions: Complete this form and sign and date where indicated below.

1. I hereby certify that I, the undersigned, am the duly elected Clerk/Secretary of

(Insert Full Name of Corporation)

2. I hereby certify that the following individual _____
(Insert the Name of Officer who Signed the Contract and Bonds)

is the duly elected _____ of said Corporation.
(Insert the Title of the Officer in Line 2)

3. I hereby certify that on _____
(Insert Date: Must be on or before Date Officer Signed Contract/Bonds)

at a duly authorized meeting of the Board of Directors of said corporation, at which a quorum was present, it was voted that

(Insert Name of Officer from Line 2) (Insert Title of Officer from Line 2)

of this corporation be and hereby is authorized to make, enter into, execute, and deliver contracts and bonds in the name and on behalf of said corporation, and affix its Corporate Seal thereto, and such execution of any contract of obligation in this corporation's name and on its behalf, with or without the Corporate Seal, shall be valid and binding upon this corporation; and that the above vote has not been amended or rescinded and remains in full force and effect as of the date set forth below.

4. **ATTEST:**

Signature: _____
(Clerk or Secretary)

AFFIX CORPORATE SEAL HERE

Printed Name: _____

Printed Title: _____

Date: _____
(Date Must Be on or after Date Officer Signed Contract/Bonds)



Certificate of Authority (Limited Liability Companies Only)

Instructions: Complete this form and sign and date where indicated below.

1. I, the undersigned, being a member or manager of

_____,
(Complete Name of Limited Liability Company)

a limited liability company (LLC) hereby certify as to the contents of this form for the purpose of contracting with the City of Somerville.

2. The LLC is organized under the laws of the state of: _____.
3. The LLC is managed by **(check one)** a Manager or by its Members.
4. I hereby certify that each of the following individual(s) is:
- a member/manager of the LLC;
 - duly authorized to execute and deliver this contract, agreement, and/or other legally binding documents relating to any contract and/or agreement on behalf of the LLC;
 - duly authorized to do and perform all acts and things necessary or appropriate to carry out the terms of this contract or agreement on behalf of the LLC; and
 - that no resolution, vote, or other document or action is necessary to establish such authority.

| <u>Name</u> | <u>Title</u> |
|-------------|--------------|
| | |
| | |
| | |

5. **Signature:**_____

Printed Name: _____

Printed Title:_____

Date: _____



SOMERVILLE LIVING WAGE ORDINANCE CERTIFICATION FORM
CITY OF SOMERVILLE CODE OF ORDINANCES SECTION 2-397 et seq.*

Instructions: This form shall be included in all Invitations for Bids and Requests for Proposals which involve the furnishing of labor, time or effort (with no end product other than reports) by vendors contracting or subcontracting with the City of Somerville, where the contract price meets or exceeds the following dollar threshold: \$10,000. If the undersigned is selected, this form will be attached to the contract or subcontract and the certifications made herein shall be incorporated as part of such contract or subcontract. **Complete this form and sign and date where indicated below on page 2.**

Purpose: The purpose of this form is to ensure that such vendors pay a “Living Wage” (defined below) to all covered employees (i.e., all employees except individuals in a city, state or federally funded youth program). In the case of bids, the City will award the contract to the lowest responsive and responsible bidder paying a Living Wage. In the case of RFP’s, the City will select the most advantageous proposal from a responsive and responsible offeror paying a Living Wage. In neither case, however, shall the City be under any obligation to select a bid or proposal that exceeds the funds available for the contract.

Definition of “Living Wage”: For this contract or subcontract, as of 7/1/2015 “Living Wage” shall be deemed to be an hourly wage of no less than \$12.24 per hour. From time to time, the Living Wage may be upwardly adjusted and amendments, if any, to the contract or subcontract may require the payment of a higher hourly rate if a higher rate is then in effect.

CERTIFICATIONS

1. The undersigned shall pay no less than the Living Wage to all covered employees who directly expend their time on the contract or subcontract with the City of Somerville.
2. The undersigned shall post a notice, (copy enclosed), to be furnished by the contracting City Department, informing covered employees of the protections and obligations provided for in the Somerville Living Wage Ordinance, and that for assistance and information, including copies of the Ordinance, employees should contact the contracting City Department. Such notice shall be posted in each location where services are performed by covered employees, in a conspicuous place where notices to employees are customarily posted.
3. The undersigned shall maintain payrolls for all covered employees and basic records relating hereto and shall preserve them for a period of three years. The records shall contain the name and address of each employee, the number of hours worked, the gross wages, a copy of the social

* Copies of the Ordinance are available upon request to the Purchasing Department.

Form:_____
Contract Number:_____

CITY OF SOMERVILLE

Rev. 05/07/15

security returns, and evidence of payment thereof and such other data as may be required by the contracting City Department from time to time.

4. The undersigned shall submit payroll records to the City upon request and, if the City receives information of possible noncompliance with the provisions the Somerville Living Wage Ordinance, the undersigned shall permit City representatives to observe work being performed at the work site, to interview employees, and to examine the books and records relating to the payrolls being investigated to determine payment of wages.

5. The undersigned shall not fund wage increases required by the Somerville Living Wage Ordinance by reducing the health insurance benefits of any of its employees.

6. The undersigned agrees that the penalties and relief set forth in the Somerville Living Wage Ordinance shall be in addition to the rights and remedies set forth in the contract and/or subcontract.

CERTIFIED BY:

Signature: _____
(Duly Authorized Representative of Vendor)

Title: _____

Name of Vendor: _____

Date: _____

INSTRUCTIONS: PLEASE POST

**NOTICE TO ALL EMPLOYEES
REGARDING PAYMENT OF LIVING WAGE**

Under the Somerville, Massachusetts' Living Wage Ordinance (Ordinance No. 1999-1), any person or entity who has entered into a contract with the City of Somerville is required to pay its employees who are involved in providing services to the City of Somerville no less than a "Living Wage".

The Living Wage as of **7/1/2015** is **\$12.24** per hour. The only employees who are not covered by the Living Wage Ordinance are individuals in a Youth Program. "Youth Program" as defined in the Ordinance, "means any city, state or federally funded program which employs youth, as defined by city, state or federal guidelines, during the summer, or as part of a school to work program, or in any other related seasonal or part-time program."

For assistance and information regarding the protections and obligations provided for in the Living Wage Ordinance and/or a copy of the Living Wage Ordinance, all employees should contact the City of Somerville's Purchasing Department directly.

Form:_____
Contract Number:_____

CITY OF SOMERVILLE

Rev. 11/14/2014



OSHA GENERAL CONTRACTOR CERTIFICATION FORM

**Pursuant to Chapter 306 of the Acts of 2004
An Act Relative to the Health and Safety on Construction Projects**

GENERAL CONTRACTOR'S CERTIFICATION – BID FORM

I, the undersigned, hereby certify under penalties of perjury that I, and all subcontractors who are not filed sub-bidders, shall:

(1) certify 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 a 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.

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: _____
(Individual Submitting Bid)
Duly Authorized

Name of Business or Entity: _____

Date: _____

RETURN THIS FORM WITH YOUR BID

WEEKLY PAYROLL RECORDS REPORT & STATEMENT OF COMPLIANCE

In accordance with Massachusetts General Law c. 149, §27B, a true and accurate record must be kept of all persons employed on the public works project for which the enclosed rates have been provided. A Payroll Form has been printed on the reverse of this page and includes all the information required to be kept by law. Every contractor or subcontractor is required to keep these records and preserve them for a period of three years from the date of completion of the contract.

In addition, every contractor and subcontractor is required to submit a copy of their weekly payroll records to the awarding authority. For every week in which an apprentice is employed, a photocopy of the apprentice's identification card must be attached to the payroll report. Once collected, the awarding authority is also required to preserve those records for three years.

In addition, each such contractor, subcontractor, or public body shall furnish to the awarding authority directly, within fifteen days after completion of its portion of the work a statement, executed by the contractor, subcontractor or public body who supervises the payment of wages, in the following form:

STATEMENT OF COMPLIANCE

_____, 20____

I, _____,
(Name of signatory party) (Title)

do hereby state:

That I pay or supervise the payment of the persons employed by
_____ on the _____

(Contractor, subcontractor or public body)

(Building or project)

and that all mechanics and apprentices, teamsters, chauffeurs and laborers employed on said project have been paid in accordance with wages determined under the provisions of sections twenty-six and twenty-seven of chapter one hundred and forty nine of the General Laws.

Signature _____

Title _____

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

Print or type
See Specific Instructions on page 2.

| | |
|--|---|
| 1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. | |
| 2 Business name/disregarded entity name, if different from above | |
| 3 Check appropriate box for federal tax classification; check only one of the following seven boxes: <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____ Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner. <input type="checkbox"/> Other (see instructions) ▶ _____ | 4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <i>(Applies to accounts maintained outside the U.S.)</i> |
| 5 Address (number, street, and apt. or suite no.) | Requester's name and address (optional) |
| 6 City, state, and ZIP code | |
| 7 List account number(s) here (optional) | |

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

| | | | | | | | | | |
|--------------------------------|--|--|--|---|--|--|--|---|--|
| Social security number | | | | | | | | | |
| | | | | - | | | | - | |
| or | | | | | | | | | |
| Employer identification number | | | | | | | | | |
| | | | | - | | | | | |

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

| | | |
|-----------|----------------------------|--------|
| Sign Here | Signature of U.S. person ▶ | Date ▶ |
|-----------|----------------------------|--------|

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/fw9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding? on page 2.

By signing the filled-out form, you:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
- Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.

INSURANCE SPECIFICATIONS

INSURANCE REQUIREMENTS FOR AWARDED VENDOR ONLY:

Prior to commencing performance of any work or supplying materials or equipment covered by these specifications, the contractor shall furnish to the Office of the Purchasing Director a Certificate of Insurance evidencing the following:

A. GENERAL LIABILITY - Comprehensive Form

Bodily Injury Liability.....\$ One Million

Property Damage Liability.....\$ One Million

B. COVERAGE FOR PAYMENT OF WORKER'S COMPENSATION BENEFIT PURSUANT TO CHAPTER 152 OF THE MASSACHUSETTS GENERAL LAWS IN THE AMOUNT AS LISTED BELOW:

WORKER'S COMPENSATION.....\$ Statutory

EMPLOYERS' LIABILITY.....\$ Statutory

C. AUTOMOBILE LIABILITY INSURANCE AS LISTED BELOW:

BODILY INJURY LIABILITY.....\$ STATUTORY

1. A contract will not be executed unless a certificate (s) of insurance evidencing above-described coverage is attached.
2. Failure to have the above-described coverage in effect during the entire period of the contract shall be deemed to be a breach of the contract.
3. All applicable insurance policies shall read:
"CITY OF SOMERVILLE" as a certificate holder and as an additional insured for general liability only along with a description of operation in the space provided on the certificate.

Certificate Should Be Made Out To:

**City Of Somerville
Purchasing Department
93 Highland Avenue
Somerville, Ma. 02143**

Note: If your insurance expires during the life of this contract, you shall be responsible to submit a new certificate(s) covering the period of the contract. No payment will be made on a contract with an expired insurance certificate.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| | | |
|-------------|-------------------------------|----------------|
| PRODUCER | CONTACT NAME: | |
| | PHONE (A/C, No. Ext): | FAX (A/C, No): |
| INSURED | E-MAIL ADDRESS: | |
| | INSURER(S) AFFORDING COVERAGE | |
| | INSURER A : | |
| | INSURER B : | |
| | INSURER C : | |
| | INSURER D : | |
| INSURER E : | | |
| INSURER F : | | |

COVERAGES**CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS |
|----------|---|-----------|----------|---------------|-------------------------|-------------------------|---|
| | GENERAL LIABILITY | | | | | | EACH OCCURRENCE \$ |
| | <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) \$ |
| | <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR | | | | | | MED EXP (Any one person) \$ |
| | | | | | | | PERSONAL & ADV INJURY \$ |
| | | | | | | | GENERAL AGGREGATE \$ |
| | GEN'L AGGREGATE LIMIT APPLIES PER: | | | | | | PRODUCTS - COMP/OP AGG \$ |
| | <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC | | | | | | \$ |
| | AUTOMOBILE LIABILITY | | | | | | COMBINED SINGLE LIMIT (Ea accident) \$ |
| | <input type="checkbox"/> ANY AUTO | | | | | | BODILY INJURY (Per person) \$ |
| | <input type="checkbox"/> ALL OWNED AUTOS | | | | | | BODILY INJURY (Per accident) \$ |
| | <input type="checkbox"/> HIRED AUTOS | | | | | | PROPERTY DAMAGE (Per accident) \$ |
| | | | | | | | \$ |
| | UMBRELLA LIAB | | | | | | EACH OCCURRENCE \$ |
| | <input type="checkbox"/> EXCESS LIAB | | | | | | AGGREGATE \$ |
| | <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$ | | | | | | \$ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY | | | | | | WC STATUTORY LIMITS <input type="checkbox"/> OTHER <input type="checkbox"/> |
| | ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y / N <input type="checkbox"/> N / A | | | | | | E.L. EACH ACCIDENT \$ |
| | If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | E.L. DISEASE - EA EMPLOYEE \$ |
| | | | | | | | E.L. DISEASE - POLICY LIMIT \$ |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

DESCRIPTION OF PROJECT, SOLICITATION NUMBER AND THAT THE CITY OF SOMERVILLE IS A CERTIFICATE HOLDER AND ADDITIONAL INSURED

CERTIFICATE HOLDER**CANCELLATION**

CERTIFICATES SHOULD BE MADE OUT TO:

CITY OF SOMERVILLE
c/o PURCHASING DEPARTMENT
93 HIGHLAND AVE
SOMERVILLE, MA 02143

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

CERTIFICATE OF GOOD STANDING

TO: Vendor

FROM: Purchasing Department

RE: **CERTIFICATE OF GOOD STANDING**

The **Awarded Vendor** must comply with our request for a **CURRENT “Certificate of Good Standing”**.

If you require information on how to obtain the “Certificate of Good Standing” or Certificate of Registration (Foreign Corporations) from the Commonwealth of Massachusetts, please call the Secretary of State’s Office at (617) 727-2850 (Press #1) located at One (1) Ashburton Place, 17th Floor, Boston, MA 02133 or you may access their web site at:
<http://corp.sec.state.ma.us/CorpWeb/Certificates/CertificateOrderForm.aspx>

If your company is incorporated outside of Massachusetts and therefore is a “foreign corporation”, but is registered to do business in Massachusetts, please comply with our request for the Certificate of Registration from the Commonwealth of Massachusetts. If your company is a foreign corporation, but is not registered to do business in Massachusetts, please provide the Certificate of Good Standing from your state of incorporation.

Please note that without the above certificate (s), the City of Somerville cannot execute your contract.

IMPORTANT NOTICE

Requests for Certificates of Good Standing by mail may take a substantial amount of time. A certificate may be obtained immediately in person at the Secretary’s Office at the address above. Also, at this time, the Secretary of State’s Office may not have your current annual report recorded. If this is the case, and you are therefore unable to obtain the Certificate of Good Standing, please forward a copy of your annual report filing fee check with your signed contracts. Please forward your original Certificate of Good Standing to the Purchasing Department upon receipt.

Thank You,

Purchasing Director

**CITY OF SOMERVILLE
SIGNATURE FORM**

NAME OF COMPANY: _____

ADDRESS: _____

TELEPHONE #: _____ FAX #: _____

DATE: _____ EMAIL: _____

SIGNATURE OF AUTHORIZED CONTRACTING OFFICIAL:

TITLE: _____

RESIDENCE: _____

IF COMPANY IS A PARTNERSHIP:

FULL NAME AND RESIDENCE OF EACH PARTNER:

IF COMPANY IS A CORPORATION:

THE CORPORATE NAME IS: _____

THE CORPORATION IS ORGANIZED UNDER THE LAWS OF: _____

THE PRESIDENT IS: _____

THE TREASURER IS: _____

THE CLERK/SECRETARY IS: _____

NAME OF CORPORATION THAT WILL APPEAR ON A POTENTIAL CONTRACTUAL

AGREEMENT IF DIFFERS FROM ABOVE: _____.

NAME AND TITLE OF PERSON WHO WILL BE RESPONSIBLE FOR THE SIGNING OF A

POTENTIAL CONTRACTUAL AGREEMENT IF DIFFERS FROM ABOVE:

NAME: _____ TITLE: _____

NAME OF CLERK/SECRETARY WHO WILL ALSO BE SIGNING FOR A POTENTIAL

CONTRACTUAL AGREEMENT IF DIFFERS FROM ABOVE: _____

Appendix A

**Prevailing Wage Rates
Prevailing Wage Rate Compliance Form
Prevailing Wage Rate Report Form**

WEEKLY PAYROLL RECORDS REPORT & STATEMENT OF COMPLIANCE

In accordance with Massachusetts General Law c. 149, §27B, a true and accurate record must be kept of all persons employed on the public works project for which the enclosed rates have been provided. A Payroll Form has been printed on the reverse of this page and includes all the information required to be kept by law. Every contractor or subcontractor is required to keep these records and preserve them for a period of three years from the date of completion of the contract.

In addition, every contractor and subcontractor is required to submit a copy of their weekly payroll records to the awarding authority. For every week in which an apprentice is employed, a photocopy of the apprentice's identification card must be attached to the payroll report. Once collected, the awarding authority is also required to preserve those records for three years.

In addition, each such contractor, subcontractor, or public body shall furnish to the awarding authority directly, within fifteen days after completion of its portion of the work a statement, executed by the contractor, subcontractor or public body who supervises the payment of wages, in the following form:

STATEMENT OF COMPLIANCE

_____, 20_____

I, _____,
(Name of signatory party) (Title)

do hereby state:

That I pay or supervise the payment of the persons employed by
_____ on the _____

(Contractor, subcontractor or public body) (Building or project)

and that all mechanics and apprentices, teamsters, chauffeurs and laborers employed on said project have been paid in accordance with wages determined under the provisions of sections twenty-six and twenty-seven of chapter one hundred and forty nine of the General Laws.

Signature _____

Title _____

MASSACHUSETTS WEEKLY CERTIFIED PAYROLL REPORT FORM



| Company's Name: | | Address: | | Phone No.: | | Payroll No.: | | | | | | | | | | | | | | | | | |
|------------------------------------|-----------------------------------|----------------------------|----------------|--|-----|--------------------------|-----|-----|-----|-----|-----------------|-----------------------|-------------------|----------------------|--------------------------------|------------------------|------------------|-----------------------------|-------------------|--|---------------|--|--|
| Employer's Signature: | | Title: | | Contract No.: | | Work Week Ending: | | | | | | | | | | | | | | | | | |
| Awarding Authority's Name: | | Public Works Project Name: | | Public Works Project Location: | | Min. Wage Rate Sheet No. | | | | | | | | | | | | | | | | | |
| General / Prime Contractor's Name: | | Subcontractor's Name: | | "Employer" Hourly Fringe Benefit Contributions | | | | | | | | | | | | | | | | | | | |
| Employee Name & Complete Address | Employee is OSHA 10 Certified (?) | Work Classification: | Appr. Rate (%) | Worked | | | | | | | Hours | | Project Hours (A) | Hourly Base Wage (B) | Health & Welfare Insurance (C) | ERISA Pension Plan (D) | Supp. Unemp. (E) | Total Hourly Prev. Wage (F) | (A x F) | | Check No. (H) | | |
| | | | | Su. | Mo. | Tu. | We. | Th. | Fr. | Sa. | All Other Hours | Total Gross Wages (G) | | | | | | | Total Gross Wages | | | | |
| | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | |
| | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | |
| | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | |
| | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | |
| | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | |
| | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | |
| | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | |

NOTE: Pursuant to MGL Ch. 149 s.27B, every contractor and subcontractor is required to submit a "true and accurate" copy of their weekly payroll records directly to the awarding authority. Failure to comply may result in the commencement of a criminal action or the issuance of a civil citation.



CHARLES D. BAKER
Governor

KARYN E. POLITO
Lt. Governor

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

Prevailing Wage Rates

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

RONALD L. WALKER, II
Secretary

WILLIAM D MCKINNEY
Director

Awarding Authority: City of Somerville

Contract Number: City/Town: SOMERVILLE

Description of Work: Street resurfacing project

Job Location: Various

Information about Prevailing Wage Schedules for Awarding Authorities and Contractors

- This wage schedule applies only to the specific project referenced at the top of this page and uniquely identified by the "Wage Request Number" on all pages of this schedule.
- An Awarding Authority must request an updated wage schedule from the Department of Labor Standards ("DLS") if it has not opened bids or selected a contractor within 90 days of the date of issuance of the wage schedule. For CM AT RISK projects (bid pursuant to G.L. c.149A), the earlier of: (a) the execution date of the GMP Amendment, or (b) the bid for the first construction scope of work must be within 90-days of the wage schedule issuance date.
- The wage schedule shall be incorporated in any advertisement or call for bids for the project as required by M.G.L. c. 149, § 27. The wage schedule shall be made a part of the contract awarded for the project. The wage schedule must be posted in a conspicuous place at the work site for the life of the project in accordance with M.G.L. c. 149 § 27. The wages listed on the wage schedule must be paid to employees performing construction work on the project whether they are employed by the prime contractor, a filed sub-bidder, or any sub-contractor.
- All apprentices working on the project are required to be registered with the Massachusetts Division of Apprentice Standards (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. **If an apprentice rate is not listed on the prevailing wage schedule for the trade in which an apprentice is registered with the DAS, the apprentice 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 criminal penalties.

Issue Date: 01/27/2016 Wage Request Number: 20160127-023

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|---------|---------|---------------------------|------------|
| Construction | | | | | | |
| (2 AXLE) DRIVER - EQUIPMENT TEAMSTERS JOINT COUNCIL NO. 10 ZONE A | 12/01/2015 | \$32.75 | \$10.41 | \$10.08 | \$0.00 | \$53.24 |
| | 06/01/2016 | \$33.25 | \$10.41 | \$10.08 | \$0.00 | \$53.74 |
| | 08/01/2016 | \$33.25 | \$10.91 | \$10.08 | \$0.00 | \$54.24 |
| | 12/01/2016 | \$33.25 | \$10.91 | \$10.89 | \$0.00 | \$55.05 |
| (3 AXLE) DRIVER - EQUIPMENT TEAMSTERS JOINT COUNCIL NO. 10 ZONE A | 12/01/2015 | \$32.82 | \$10.41 | \$10.08 | \$0.00 | \$53.31 |
| | 06/01/2016 | \$33.32 | \$10.41 | \$10.08 | \$0.00 | \$53.81 |
| | 08/01/2016 | \$33.32 | \$10.91 | \$10.08 | \$0.00 | \$54.31 |
| | 12/01/2016 | \$33.32 | \$10.91 | \$10.89 | \$0.00 | \$55.12 |
| (4 & 5 AXLE) DRIVER - EQUIPMENT TEAMSTERS JOINT COUNCIL NO. 10 ZONE A | 12/01/2015 | \$32.94 | \$10.41 | \$10.08 | \$0.00 | \$53.43 |
| | 06/01/2016 | \$33.44 | \$10.41 | \$10.08 | \$0.00 | \$53.93 |
| | 08/01/2016 | \$33.44 | \$10.91 | \$10.08 | \$0.00 | \$54.43 |
| | 12/01/2016 | \$33.44 | \$10.91 | \$10.89 | \$0.00 | \$55.24 |
| ADS/SUBMERSIBLE PILOT PILE DRIVER LOCAL 56 (ZONE 1) | 08/01/2015 | \$88.29 | \$9.80 | \$19.23 | \$0.00 | \$117.32 |
| AIR TRACK OPERATOR LABORERS - ZONE 1 | 12/01/2015 | \$36.10 | \$7.45 | \$13.55 | \$0.00 | \$57.10 |
| | 06/01/2016 | \$36.85 | \$7.45 | \$13.55 | \$0.00 | \$57.85 |
| | 12/01/2016 | \$37.85 | \$7.45 | \$13.55 | \$0.00 | \$58.85 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| ASBESTOS REMOVER - PIPE / MECH. EQUIPT. HEAT & FROST INSULATORS LOCAL 6 (BOSTON) | 12/01/2015 | \$34.38 | \$10.40 | \$5.95 | \$0.00 | \$50.73 |
| ASPHALT RAKER LABORERS - ZONE 1 | 12/01/2015 | \$35.60 | \$7.45 | \$13.55 | \$0.00 | \$56.60 |
| | 06/01/2016 | \$36.35 | \$7.45 | \$13.55 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$37.35 | \$7.45 | \$13.55 | \$0.00 | \$58.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE OPERATING ENGINEERS LOCAL 4 | 12/01/2015 | \$43.73 | \$10.00 | \$14.90 | \$0.00 | \$68.63 |
| | 06/01/2016 | \$44.48 | \$10.00 | \$14.90 | \$0.00 | \$69.38 |
| | 12/01/2016 | \$45.73 | \$10.00 | \$14.90 | \$0.00 | \$70.63 |
| | 06/01/2017 | \$46.73 | \$10.00 | \$14.90 | \$0.00 | \$71.63 |
| | 12/01/2017 | \$47.73 | \$10.00 | \$14.90 | \$0.00 | \$72.63 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| BACKHOE/FRONT-END LOADER OPERATING ENGINEERS LOCAL 4 | 12/01/2015 | \$43.73 | \$10.00 | \$14.90 | \$0.00 | \$68.63 |
| | 06/01/2016 | \$44.48 | \$10.00 | \$14.90 | \$0.00 | \$69.38 |
| | 12/01/2016 | \$45.73 | \$10.00 | \$14.90 | \$0.00 | \$70.63 |
| | 06/01/2017 | \$46.73 | \$10.00 | \$14.90 | \$0.00 | \$71.63 |
| | 12/01/2017 | \$47.73 | \$10.00 | \$14.90 | \$0.00 | \$72.63 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| BARCO-TYPE JUMPING TAMPER LABORERS - ZONE 1 | 12/01/2015 | \$35.60 | \$7.45 | \$13.55 | \$0.00 | \$56.60 |
| | 06/01/2016 | \$36.35 | \$7.45 | \$13.55 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$37.35 | \$7.45 | \$13.55 | \$0.00 | \$58.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| BLOCK PAVER, RAMMER / CURB SETTER LABORERS - ZONE 1 | 12/01/2015 | \$36.10 | \$7.45 | \$13.55 | \$0.00 | \$57.10 |
| | 06/01/2016 | \$36.85 | \$7.45 | \$13.55 | \$0.00 | \$57.85 |
| | 12/01/2016 | \$37.85 | \$7.45 | \$13.55 | \$0.00 | \$58.85 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| BOILER MAKER BOILERMAKERS LOCAL 29 | 01/01/2016 | \$41.62 | \$6.97 | \$16.21 | \$0.00 | \$64.80 |
| | 01/01/2017 | \$42.92 | \$6.97 | \$16.21 | \$0.00 | \$66.10 |

Issue Date: 01/27/2016 Wage Request Number: 20160127-023

Page 2 of 34

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|----------------------|---------|---------|---------------------------|------------|
| Apprentice - BOILERMAKER - Local 29 | | | | | | |
| Effective Date - 01/01/2016 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 65 | \$27.05 | \$6.97 | \$10.54 | \$0.00 | \$44.56 |
| 2 | 65 | \$27.05 | \$6.97 | \$10.54 | \$0.00 | \$44.56 |
| 3 | 70 | \$29.13 | \$6.97 | \$11.35 | \$0.00 | \$47.45 |
| 4 | 75 | \$31.22 | \$6.97 | \$12.16 | \$0.00 | \$50.35 |
| 5 | 80 | \$33.30 | \$6.97 | \$12.97 | \$0.00 | \$53.24 |
| 6 | 85 | \$35.38 | \$6.97 | \$13.78 | \$0.00 | \$56.13 |
| 7 | 90 | \$37.46 | \$6.97 | \$14.59 | \$0.00 | \$59.02 |
| 8 | 95 | \$39.54 | \$6.97 | \$15.40 | \$0.00 | \$61.91 |
| Effective Date - 01/01/2017 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 65 | \$27.90 | \$6.97 | \$10.54 | \$0.00 | \$45.41 |
| 2 | 65 | \$27.90 | \$6.97 | \$10.54 | \$0.00 | \$45.41 |
| 3 | 70 | \$30.04 | \$6.97 | \$11.35 | \$0.00 | \$48.36 |
| 4 | 75 | \$32.19 | \$6.97 | \$12.16 | \$0.00 | \$51.32 |
| 5 | 80 | \$34.34 | \$6.97 | \$12.97 | \$0.00 | \$54.28 |
| 6 | 85 | \$36.48 | \$6.97 | \$13.78 | \$0.00 | \$57.23 |
| 7 | 90 | \$38.63 | \$6.97 | \$14.59 | \$0.00 | \$60.19 |
| 8 | 95 | \$40.77 | \$6.97 | \$15.40 | \$0.00 | \$63.14 |
| Notes: | | | | | | |
| Apprentice to Journeyworker Ratio:1:5 | | | | | | |
| BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING) | | | | | | |
| <i>BRICKLAYERS LOCAL 3 (BOSTON)</i> | | | | | | |
| | 08/01/2015 | \$49.86 | \$10.18 | \$18.57 | \$0.00 | \$78.61 |
| | 02/01/2016 | \$49.86 | \$10.18 | \$19.14 | \$0.00 | \$79.18 |
| | 08/01/2016 | \$50.76 | \$10.18 | \$19.22 | \$0.00 | \$80.16 |
| | 02/01/2017 | \$51.33 | \$10.18 | \$19.22 | \$0.00 | \$80.73 |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|----------------------|---------|---------|---------------------------|------------|
| Apprentice - BRICK/PLASTER/CEMENT MASON - Local 3 Boston | | | | | | |
| Effective Date - 08/01/2015 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$24.93 | \$10.18 | \$18.57 | \$0.00 | \$53.68 |
| 2 | 60 | \$29.92 | \$10.18 | \$18.57 | \$0.00 | \$58.67 |
| 3 | 70 | \$34.90 | \$10.18 | \$18.57 | \$0.00 | \$63.65 |
| 4 | 80 | \$39.89 | \$10.18 | \$18.57 | \$0.00 | \$68.64 |
| 5 | 90 | \$44.87 | \$10.18 | \$18.57 | \$0.00 | \$73.62 |
| Effective Date - 02/01/2016 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$24.93 | \$10.18 | \$19.14 | \$0.00 | \$54.25 |
| 2 | 60 | \$29.92 | \$10.18 | \$19.14 | \$0.00 | \$59.24 |
| 3 | 70 | \$34.90 | \$10.18 | \$19.14 | \$0.00 | \$64.22 |
| 4 | 80 | \$39.89 | \$10.18 | \$19.14 | \$0.00 | \$69.21 |
| 5 | 90 | \$44.87 | \$10.18 | \$19.14 | \$0.00 | \$74.19 |
| Notes: | | | | | | |
| Apprentice to Journeyworker Ratio:1:5 | | | | | | |
| BULLDOZER/GRADER/SCRAPER | | | | | | |
| <i>OPERATING ENGINEERS LOCAL 4</i> | | | | | | |
| | 12/01/2015 | \$43.31 | \$10.00 | \$14.90 | \$0.00 | \$68.21 |
| | 06/01/2016 | \$44.06 | \$10.00 | \$14.90 | \$0.00 | \$68.96 |
| | 12/01/2016 | \$45.29 | \$10.00 | \$14.90 | \$0.00 | \$70.19 |
| | 06/01/2017 | \$46.28 | \$10.00 | \$14.90 | \$0.00 | \$71.18 |
| | 12/01/2017 | \$47.27 | \$10.00 | \$14.90 | \$0.00 | \$72.17 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| CAISSON & UNDERPINNING BOTTOM MAN | | | | | | |
| <i>LABORERS - FOUNDATION AND MARINE</i> | | | | | | |
| | 12/01/2015 | \$36.45 | \$7.45 | \$13.75 | \$0.00 | \$57.65 |
| | 06/01/2016 | \$37.20 | \$7.45 | \$13.75 | \$0.00 | \$58.40 |
| | 12/01/2016 | \$38.20 | \$7.45 | \$13.75 | \$0.00 | \$59.40 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| CAISSON & UNDERPINNING LABORER | | | | | | |
| <i>LABORERS - FOUNDATION AND MARINE</i> | | | | | | |
| | 12/01/2015 | \$35.30 | \$7.45 | \$13.75 | \$0.00 | \$56.50 |
| | 06/01/2016 | \$36.05 | \$7.45 | \$13.75 | \$0.00 | \$57.25 |
| | 12/01/2016 | \$37.05 | \$7.45 | \$13.75 | \$0.00 | \$58.25 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| CAISSON & UNDERPINNING TOP MAN | | | | | | |
| <i>LABORERS - FOUNDATION AND MARINE</i> | | | | | | |
| | 12/01/2015 | \$35.30 | \$7.45 | \$13.75 | \$0.00 | \$56.50 |
| | 06/01/2016 | \$36.05 | \$7.45 | \$13.75 | \$0.00 | \$57.25 |
| | 12/01/2016 | \$37.05 | \$7.45 | \$13.75 | \$0.00 | \$58.25 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| CARBIDE CORE DRILL OPERATOR | | | | | | |
| <i>LABORERS - ZONE 1</i> | | | | | | |
| | 12/01/2015 | \$35.60 | \$7.45 | \$13.55 | \$0.00 | \$56.60 |
| | 06/01/2016 | \$36.35 | \$7.45 | \$13.55 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$37.35 | \$7.45 | \$13.55 | \$0.00 | \$58.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| CARPENTER | | | | | | |
| <i>CARPENTERS -ZONE 1 (Metro Boston)</i> | | | | | | |
| | 03/01/2015 | \$42.30 | \$9.80 | \$16.48 | \$0.00 | \$68.58 |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|----------------------|---------|---------|---------------------------|------------|
| Apprentice - CARPENTER - Zone 1 Metro Boston | | | | | | |
| Effective Date - | 03/01/2015 | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$21.15 | \$9.80 | \$1.63 | \$0.00 | \$32.58 |
| 2 | 60 | \$25.38 | \$9.80 | \$1.63 | \$0.00 | \$36.81 |
| 3 | 70 | \$29.61 | \$9.80 | \$11.59 | \$0.00 | \$51.00 |
| 4 | 75 | \$31.73 | \$9.80 | \$11.59 | \$0.00 | \$53.12 |
| 5 | 80 | \$33.84 | \$9.80 | \$13.22 | \$0.00 | \$56.86 |
| 6 | 80 | \$33.84 | \$9.80 | \$13.22 | \$0.00 | \$56.86 |
| 7 | 90 | \$38.07 | \$9.80 | \$14.85 | \$0.00 | \$62.72 |
| 8 | 90 | \$38.07 | \$9.80 | \$14.85 | \$0.00 | \$62.72 |
| Notes: | | | | | | |
| Apprentice to Journeyworker Ratio:1:5 | | | | | | |
| CEMENT MASONRY/PLASTERING | 01/01/2016 | \$46.44 | \$10.90 | \$18.71 | \$1.30 | \$77.35 |
| <i>BRICKLAYERS LOCAL 3 (BOSTON)</i> | | | | | | |
| Apprentice - CEMENT MASONRY/PLASTERING - Eastern Mass (Boston) | | | | | | |
| Effective Date - | 01/01/2016 | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$23.22 | \$10.90 | \$12.21 | \$0.00 | \$46.33 |
| 2 | 60 | \$27.86 | \$10.90 | \$13.71 | \$1.30 | \$53.77 |
| 3 | 65 | \$30.19 | \$10.90 | \$14.71 | \$1.30 | \$57.10 |
| 4 | 70 | \$32.51 | \$10.90 | \$15.71 | \$1.30 | \$60.42 |
| 5 | 75 | \$34.83 | \$10.90 | \$16.71 | \$1.30 | \$63.74 |
| 6 | 80 | \$37.15 | \$10.90 | \$17.71 | \$1.30 | \$67.06 |
| 7 | 90 | \$41.80 | \$10.90 | \$18.71 | \$1.30 | \$72.71 |
| Notes: | | | | | | |
| Steps 3,4 are 500 hrs. All other steps are 1,000 hrs. | | | | | | |
| Apprentice to Journeyworker Ratio:1:3 | | | | | | |
| CHAIN SAW OPERATOR | 12/01/2015 | \$35.60 | \$7.45 | \$13.55 | \$0.00 | \$56.60 |
| <i>LABORERS - ZONE 1</i> | | | | | | |
| | 06/01/2016 | \$36.35 | \$7.45 | \$13.55 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$37.35 | \$7.45 | \$13.55 | \$0.00 | \$58.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES | 12/01/2015 | \$44.73 | \$10.00 | \$14.90 | \$0.00 | \$69.63 |
| <i>OPERATING ENGINEERS LOCAL 4</i> | | | | | | |
| | 06/01/2016 | \$45.48 | \$10.00 | \$14.90 | \$0.00 | \$70.38 |
| | 12/01/2016 | \$46.73 | \$10.00 | \$14.90 | \$0.00 | \$71.63 |
| | 06/01/2017 | \$47.73 | \$10.00 | \$14.90 | \$0.00 | \$72.63 |
| | 12/01/2017 | \$48.73 | \$10.00 | \$14.90 | \$0.00 | \$73.63 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|----------------------|---------|---------|---------------------------|------------|
| COMPRESSOR OPERATOR | | | | | | |
| <i>OPERATING ENGINEERS LOCAL 4</i> | | | | | | |
| | 12/01/2015 | \$30.13 | \$10.00 | \$14.90 | \$0.00 | \$55.03 |
| | 06/01/2016 | \$30.65 | \$10.00 | \$14.90 | \$0.00 | \$55.55 |
| | 12/01/2016 | \$31.52 | \$10.00 | \$14.90 | \$0.00 | \$56.42 |
| | 06/01/2017 | \$32.21 | \$10.00 | \$14.90 | \$0.00 | \$57.11 |
| | 12/01/2017 | \$32.90 | \$10.00 | \$14.90 | \$0.00 | \$57.80 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| DELEADER (BRIDGE) | 01/01/2016 | \$49.51 | \$7.85 | \$16.10 | \$0.00 | \$73.46 |
| <i>PAINTERS LOCAL 35 - ZONE 1</i> | | | | | | |
| | 07/01/2016 | \$50.46 | \$7.85 | \$16.10 | \$0.00 | \$74.41 |
| | 01/01/2017 | \$51.41 | \$7.85 | \$16.10 | \$0.00 | \$75.36 |
| Apprentice - PAINTER Local 35 - BRIDGES/TANKS | | | | | | |
| Effective Date - | 01/01/2016 | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$24.76 | \$7.85 | \$0.00 | \$0.00 | \$32.61 |
| 2 | 55 | \$27.23 | \$7.85 | \$3.66 | \$0.00 | \$38.74 |
| 3 | 60 | \$29.71 | \$7.85 | \$3.99 | \$0.00 | \$41.55 |
| 4 | 65 | \$32.18 | \$7.85 | \$4.32 | \$0.00 | \$44.35 |
| 5 | 70 | \$34.66 | \$7.85 | \$14.11 | \$0.00 | \$56.62 |
| 6 | 75 | \$37.13 | \$7.85 | \$14.44 | \$0.00 | \$59.42 |
| 7 | 80 | \$39.61 | \$7.85 | \$14.77 | \$0.00 | \$62.23 |
| 8 | 90 | \$44.56 | \$7.85 | \$15.44 | \$0.00 | \$67.85 |
| Effective Date - 07/01/2016 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$25.23 | \$7.85 | \$0.00 | \$0.00 | \$33.08 |
| 2 | 55 | \$27.75 | \$7.85 | \$3.66 | \$0.00 | \$39.26 |
| 3 | 60 | \$30.28 | \$7.85 | \$3.99 | \$0.00 | \$42.12 |
| 4 | 65 | \$32.80 | \$7.85 | \$4.32 | \$0.00 | \$44.97 |
| 5 | 70 | \$35.32 | \$7.85 | \$14.11 | \$0.00 | \$57.28 |
| 6 | 75 | \$37.85 | \$7.85 | \$14.44 | \$0.00 | \$60.14 |
| 7 | 80 | \$40.37 | \$7.85 | \$14.77 | \$0.00 | \$62.99 |
| 8 | 90 | \$45.41 | \$7.85 | \$15.44 | \$0.00 | \$68.70 |
| Notes: | | | | | | |
| Steps are 750 hrs. | | | | | | |
| Apprentice to Journeyworker Ratio:1:1 | | | | | | |
| DEMO: ADZEMAN | 12/01/2015 | \$35.50 | \$7.45 | \$13.55 | \$0.00 | \$56.50 |
| <i>LABORERS - ZONE 1</i> | | | | | | |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| DEMO: BACKHOE/LOADER/HAMMER OPERATOR | 12/01/2015 | \$36.50 | \$7.45 | \$13.55 | \$0.00 | \$57.50 |
| <i>LABORERS - ZONE 1</i> | | | | | | |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| DEMO: BURNERS | 12/01/2015 | \$36.25 | \$7.45 | \$13.55 | \$0.00 | \$57.25 |
| <i>LABORERS - ZONE 1</i> | | | | | | |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|-----------|---------|---------|------------------------------|------------|
| DEMO: CONCRETE CUTTER/SAWYER <i>LABORERS - ZONE 1</i> | 12/01/2015 | \$36.50 | \$7.45 | \$13.55 | \$0.00 | \$57.50 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| DEMO: JACKHAMMER OPERATOR <i>LABORERS - ZONE 1</i> | 12/01/2015 | \$36.25 | \$7.45 | \$13.55 | \$0.00 | \$57.25 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| DEMO: WRECKING LABORER <i>LABORERS - ZONE 1</i> | 12/01/2015 | \$35.50 | \$7.45 | \$13.55 | \$0.00 | \$56.50 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| DIRECTIONAL DRILL MACHINE OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2015 | \$43.31 | \$10.00 | \$14.90 | \$0.00 | \$68.21 |
| | 06/01/2016 | \$44.06 | \$10.00 | \$14.90 | \$0.00 | \$68.96 |
| | 12/01/2016 | \$45.29 | \$10.00 | \$14.90 | \$0.00 | \$70.19 |
| | 06/01/2017 | \$46.28 | \$10.00 | \$14.90 | \$0.00 | \$71.18 |
| | 12/01/2017 | \$47.27 | \$10.00 | \$14.90 | \$0.00 | \$72.17 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| DIVER <i>PILE DRIVER LOCAL 56 (ZONE 1)</i> | 08/01/2015 | \$58.86 | \$9.80 | \$19.23 | \$0.00 | \$87.89 |
| DIVER TENDER <i>PILE DRIVER LOCAL 56 (ZONE 1)</i> | 08/01/2015 | \$42.04 | \$9.80 | \$19.23 | \$0.00 | \$71.07 |
| DIVER TENDER (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i> | 08/01/2015 | \$63.06 | \$9.80 | \$19.23 | \$0.00 | \$92.09 |
| DIVER/SLURRY (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i> | 08/01/2015 | \$88.23 | \$9.80 | \$19.23 | \$0.00 | \$117.26 |
| DRAWBRIDGE OPERATOR (Construction) <i>ELECTRICIANS LOCAL 103</i> | 09/01/2015 | \$45.67 | \$13.00 | \$15.89 | \$0.00 | \$74.56 |
| | 03/01/2016 | \$46.17 | \$13.00 | \$16.39 | \$0.00 | \$75.56 |
| For apprentice rates see "Apprentice- ELECTRICIAN" | | | | | | |
| ELECTRICIAN <i>ELECTRICIANS LOCAL 103</i> | 09/01/2015 | \$45.67 | \$13.00 | \$15.89 | \$0.00 | \$74.56 |
| | 03/01/2016 | \$46.17 | \$13.00 | \$16.39 | \$0.00 | \$75.56 |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|----------------------|---------|---------|------------------------------|------------|
| Apprentice - <i>ELECTRICIAN - Local 103</i> | | | | | | |
| Effective Date - 09/01/2015 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 40 | \$18.27 | \$13.00 | \$0.55 | \$0.00 | \$31.82 |
| 2 | 40 | \$18.27 | \$13.00 | \$0.55 | \$0.00 | \$31.82 |
| 3 | 45 | \$20.55 | \$13.00 | \$11.86 | \$0.00 | \$45.41 |
| 4 | 45 | \$20.55 | \$13.00 | \$11.86 | \$0.00 | \$45.41 |
| 5 | 50 | \$22.84 | \$13.00 | \$12.23 | \$0.00 | \$48.07 |
| 6 | 55 | \$25.12 | \$13.00 | \$12.58 | \$0.00 | \$50.70 |
| 7 | 60 | \$27.40 | \$13.00 | \$12.95 | \$0.00 | \$53.35 |
| 8 | 65 | \$29.69 | \$13.00 | \$13.32 | \$0.00 | \$56.01 |
| 9 | 70 | \$31.97 | \$13.00 | \$13.69 | \$0.00 | \$58.66 |
| 10 | 75 | \$34.25 | \$13.00 | \$14.06 | \$0.00 | \$61.31 |
| Effective Date - 03/01/2016 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 40 | \$18.47 | \$13.00 | \$0.55 | \$0.00 | \$32.02 |
| 2 | 40 | \$18.47 | \$13.00 | \$0.55 | \$0.00 | \$32.02 |
| 3 | 45 | \$20.78 | \$13.00 | \$11.84 | \$0.00 | \$45.62 |
| 4 | 45 | \$20.78 | \$13.00 | \$11.84 | \$0.00 | \$45.62 |
| 5 | 50 | \$23.09 | \$13.00 | \$12.71 | \$0.00 | \$48.80 |
| 6 | 55 | \$25.39 | \$13.00 | \$13.07 | \$0.00 | \$51.46 |
| 7 | 60 | \$27.70 | \$13.00 | \$13.39 | \$0.00 | \$54.09 |
| 8 | 65 | \$30.01 | \$13.00 | \$13.81 | \$0.00 | \$56.82 |
| 9 | 70 | \$32.32 | \$13.00 | \$14.18 | \$0.00 | \$59.50 |
| 10 | 75 | \$34.63 | \$13.00 | \$14.55 | \$0.00 | \$62.18 |
| Notes: : App Prior 1/1/03; 30/35/40/45/50/55/65/70/75/80 | | | | | | |
| Apprentice to Journeyworker Ratio:2:3*** | | | | | | |
| ELEVATOR CONSTRUCTOR <i>ELEVATOR CONSTRUCTORS LOCAL 4</i> | 01/01/2016 | \$54.53 | \$14.43 | \$14.96 | \$0.00 | \$83.92 |
| | 01/01/2017 | \$55.86 | \$15.28 | \$15.71 | \$0.00 | \$86.85 |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate | |
|--|----------------|----------------------|---------|---------|---------------------------|------------|---------|
| Apprentice - ELEVATOR CONSTRUCTOR - Local 4 | | | | | | | |
| Effective Date - 01/01/2016 | | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate | |
| 1 | 50 | \$27.27 | \$14.43 | \$0.00 | \$0.00 | \$41.70 | |
| 2 | 55 | \$29.99 | \$14.43 | \$14.96 | \$0.00 | \$59.38 | |
| 3 | 65 | \$35.44 | \$14.43 | \$14.96 | \$0.00 | \$64.83 | |
| 4 | 70 | \$38.17 | \$14.43 | \$14.96 | \$0.00 | \$67.56 | |
| 5 | 80 | \$43.62 | \$14.43 | \$14.96 | \$0.00 | \$73.01 | |
| Effective Date - 01/01/2017 | | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate | |
| 1 | 50 | \$27.93 | \$15.28 | \$0.00 | \$0.00 | \$43.21 | |
| 2 | 55 | \$30.72 | \$15.28 | \$15.71 | \$0.00 | \$61.71 | |
| 3 | 65 | \$36.31 | \$15.28 | \$15.71 | \$0.00 | \$67.30 | |
| 4 | 70 | \$39.10 | \$15.28 | \$15.71 | \$0.00 | \$70.09 | |
| 5 | 80 | \$44.69 | \$15.28 | \$15.71 | \$0.00 | \$75.68 | |
| Notes: Steps 1-2 are 6 mos.; Steps 3-5 are 1 year | | | | | | | |
| Apprentice to Journeyworker Ratio:1:1 | | | | | | | |
| ELEVATOR CONSTRUCTOR HELPER | | 01/01/2016 | \$38.17 | \$14.43 | \$14.96 | \$0.00 | \$67.56 |
| ELEVATOR CONSTRUCTORS LOCAL 4 | | 01/01/2017 | \$39.10 | \$15.28 | \$15.71 | \$0.00 | \$70.09 |
| For apprentice rates see "Apprentice - ELEVATOR CONSTRUCTOR" | | | | | | | |
| FENCE & GUARD RAIL ERECTOR | | 12/01/2015 | \$35.60 | \$7.45 | \$13.55 | \$0.00 | \$56.60 |
| LABORERS - ZONE 1 | | 06/01/2016 | \$36.35 | \$7.45 | \$13.55 | \$0.00 | \$57.35 |
| | | 12/01/2016 | \$37.35 | \$7.45 | \$13.55 | \$0.00 | \$58.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | | |
| FIELD ENG.INST.PERSON-BLDG,SITE,HVY/HWY | | 11/01/2015 | \$40.49 | \$10.00 | \$14.55 | \$0.00 | \$65.04 |
| OPERATING ENGINEERS LOCAL 4 | | 05/01/2016 | \$41.38 | \$10.00 | \$14.55 | \$0.00 | \$65.93 |
| | | 11/01/2016 | \$41.97 | \$10.00 | \$14.55 | \$0.00 | \$66.52 |
| | | 05/01/2017 | \$42.85 | \$10.00 | \$14.55 | \$0.00 | \$67.40 |
| | | 11/01/2017 | \$43.58 | \$10.00 | \$14.55 | \$0.00 | \$68.13 |
| | | 05/01/2018 | \$44.29 | \$10.00 | \$14.55 | \$0.00 | \$68.84 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | | |
| FIELD ENG.PARTY CHIEF-BLDG,SITE,HVY/HWY | | 11/01/2015 | \$41.93 | \$10.00 | \$14.55 | \$0.00 | \$66.48 |
| OPERATING ENGINEERS LOCAL 4 | | 05/01/2016 | \$42.82 | \$10.00 | \$14.55 | \$0.00 | \$67.37 |
| | | 11/01/2016 | \$43.42 | \$10.00 | \$14.55 | \$0.00 | \$67.97 |
| | | 05/01/2017 | \$44.31 | \$10.00 | \$14.55 | \$0.00 | \$68.86 |
| | | 11/01/2017 | \$45.04 | \$10.00 | \$14.55 | \$0.00 | \$69.59 |
| | | 05/01/2018 | \$45.76 | \$10.00 | \$14.55 | \$0.00 | \$70.31 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | | |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|----------------------|---------|---------|---------------------------|------------|
| FIELD ENG.ROD PERSON-BLDG,SITE,HVY/HWY | | | | | | |
| OPERATING ENGINEERS LOCAL 4 | | | | | | |
| | 11/01/2015 | \$21.71 | \$10.00 | \$14.55 | \$0.00 | \$46.26 |
| | 05/01/2016 | \$22.23 | \$10.00 | \$14.55 | \$0.00 | \$46.78 |
| | 11/01/2016 | \$22.58 | \$10.00 | \$14.55 | \$0.00 | \$47.13 |
| | 05/01/2017 | \$23.11 | \$10.00 | \$14.55 | \$0.00 | \$47.66 |
| | 11/01/2017 | \$23.53 | \$10.00 | \$14.55 | \$0.00 | \$48.08 |
| | 05/01/2018 | \$23.96 | \$10.00 | \$14.55 | \$0.00 | \$48.51 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| FIRE ALARM INSTALLER | | | | | | |
| ELECTRICIANS LOCAL 103 | | | | | | |
| | 09/01/2015 | \$45.67 | \$13.00 | \$15.89 | \$0.00 | \$74.56 |
| | 03/01/2016 | \$46.17 | \$13.00 | \$16.39 | \$0.00 | \$75.56 |
| For apprentice rates see "Apprentice- ELECTRICIAN" | | | | | | |
| FIRE ALARM REPAIR / MAINTENANCE | | | | | | |
| / COMMISSIONING ELECTRICIANS | | | | | | |
| LOCAL 103 | | | | | | |
| For apprentice rates see "Apprentice- TELECOMMUNICATIONS TECHNICIAN" | | | | | | |
| FIREMAN (ASST. ENGINEER) | | | | | | |
| OPERATING ENGINEERS LOCAL 4 | | | | | | |
| | 12/01/2015 | \$36.34 | \$10.00 | \$14.90 | \$0.00 | \$61.24 |
| | 06/01/2016 | \$36.96 | \$10.00 | \$14.90 | \$0.00 | \$61.86 |
| | 12/01/2016 | \$38.00 | \$10.00 | \$14.90 | \$0.00 | \$62.90 |
| | 06/01/2017 | \$38.84 | \$10.00 | \$14.90 | \$0.00 | \$63.74 |
| | 12/01/2017 | \$39.67 | \$10.00 | \$14.90 | \$0.00 | \$64.57 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| FLAGGER & SIGNALER | | | | | | |
| LABORERS - ZONE 1 | | | | | | |
| | 12/01/2015 | \$20.50 | \$7.45 | \$13.55 | \$0.00 | \$41.50 |
| | 06/01/2016 | \$20.50 | \$7.45 | \$13.55 | \$0.00 | \$41.50 |
| | 12/01/2016 | \$20.50 | \$7.45 | \$13.55 | \$0.00 | \$41.50 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| FLOORCOVERER | | | | | | |
| FLOORCOVERERS LOCAL 2168 ZONE 1 | | | | | | |
| | 09/01/2015 | \$41.59 | \$9.80 | \$17.53 | \$0.00 | \$68.92 |
| Apprentice - FLOORCOVERER - Local 2168 Zone 1 | | | | | | |
| Effective Date - 09/01/2015 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$20.80 | \$9.80 | \$1.79 | \$0.00 | \$32.39 |
| 2 | 55 | \$22.87 | \$9.80 | \$1.79 | \$0.00 | \$34.46 |
| 3 | 60 | \$24.95 | \$9.80 | \$12.16 | \$0.00 | \$46.91 |
| 4 | 65 | \$27.03 | \$9.80 | \$12.16 | \$0.00 | \$48.99 |
| 5 | 70 | \$29.11 | \$9.80 | \$13.95 | \$0.00 | \$52.86 |
| 6 | 75 | \$31.19 | \$9.80 | \$13.95 | \$0.00 | \$54.94 |
| 7 | 80 | \$33.27 | \$9.80 | \$15.74 | \$0.00 | \$58.81 |
| 8 | 85 | \$35.35 | \$9.80 | \$15.74 | \$0.00 | \$60.89 |
| Notes: Steps are 750 hrs. | | | | | | |
| Apprentice to Journeyworker Ratio:1:1 | | | | | | |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|---------|---------|---------------------------|------------|
| FORK LIFT/CHERRY PICKER <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2015 | \$43.73 | \$10.00 | \$14.90 | \$0.00 | \$68.63 |
| | 06/01/2016 | \$44.48 | \$10.00 | \$14.90 | \$0.00 | \$69.38 |
| | 12/01/2016 | \$45.73 | \$10.00 | \$14.90 | \$0.00 | \$70.63 |
| | 06/01/2017 | \$46.73 | \$10.00 | \$14.90 | \$0.00 | \$71.63 |
| | 12/01/2017 | \$47.73 | \$10.00 | \$14.90 | \$0.00 | \$72.63 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| GENERATOR/LIGHTING PLANT/HEATERS <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2015 | \$30.13 | \$10.00 | \$14.90 | \$0.00 | \$55.03 |
| | 06/01/2016 | \$30.65 | \$10.00 | \$14.90 | \$0.00 | \$55.55 |
| | 12/01/2016 | \$31.52 | \$10.00 | \$14.90 | \$0.00 | \$56.42 |
| | 06/01/2017 | \$32.21 | \$10.00 | \$14.90 | \$0.00 | \$57.11 |
| | 12/01/2017 | \$32.90 | \$10.00 | \$14.90 | \$0.00 | \$57.80 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS) <i>GLAZIERS LOCAL 35 (ZONE 1)</i> | 01/01/2016 | \$44.80 | \$7.85 | \$16.10 | \$0.00 | \$68.75 |
| | 07/01/2016 | \$45.75 | \$7.85 | \$16.10 | \$0.00 | \$69.70 |
| | 01/01/2017 | \$46.70 | \$7.85 | \$16.10 | \$0.00 | \$70.65 |
| | | | | | | |

Apprentice - GLAZIER - Local 35 Zone 1

| Effective Date - 01/01/2016 | | | | | | |
|-----------------------------|---------|----------------------|--------|---------|---------------------------|------------|
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$22.40 | \$7.85 | \$0.00 | \$0.00 | \$30.25 |
| 2 | 55 | \$24.64 | \$7.85 | \$3.66 | \$0.00 | \$36.15 |
| 3 | 60 | \$26.88 | \$7.85 | \$3.99 | \$0.00 | \$38.72 |
| 4 | 65 | \$29.12 | \$7.85 | \$4.32 | \$0.00 | \$41.29 |
| 5 | 70 | \$31.36 | \$7.85 | \$14.11 | \$0.00 | \$53.32 |
| 6 | 75 | \$33.60 | \$7.85 | \$14.44 | \$0.00 | \$55.89 |
| 7 | 80 | \$35.84 | \$7.85 | \$14.77 | \$0.00 | \$58.46 |
| 8 | 90 | \$40.32 | \$7.85 | \$15.44 | \$0.00 | \$63.61 |

| Effective Date - 07/01/2016 | | | | | | |
|-----------------------------|---------|----------------------|--------|---------|---------------------------|------------|
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$22.88 | \$7.85 | \$0.00 | \$0.00 | \$30.73 |
| 2 | 55 | \$25.16 | \$7.85 | \$3.66 | \$0.00 | \$36.67 |
| 3 | 60 | \$27.45 | \$7.85 | \$3.99 | \$0.00 | \$39.29 |
| 4 | 65 | \$29.74 | \$7.85 | \$4.32 | \$0.00 | \$41.91 |
| 5 | 70 | \$32.03 | \$7.85 | \$14.11 | \$0.00 | \$53.99 |
| 6 | 75 | \$34.31 | \$7.85 | \$14.44 | \$0.00 | \$56.60 |
| 7 | 80 | \$36.60 | \$7.85 | \$14.77 | \$0.00 | \$59.22 |
| 8 | 90 | \$41.18 | \$7.85 | \$15.44 | \$0.00 | \$64.47 |

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|---------|---------|---------------------------|------------|
| HOISTING ENGINEER/CRANES/GRADALLS <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2015 | \$43.73 | \$10.00 | \$14.90 | \$0.00 | \$68.63 |
| | 06/01/2016 | \$44.48 | \$10.00 | \$14.90 | \$0.00 | \$69.38 |
| | 12/01/2016 | \$45.73 | \$10.00 | \$14.90 | \$0.00 | \$70.63 |
| | 06/01/2017 | \$46.73 | \$10.00 | \$14.90 | \$0.00 | \$71.63 |
| | 12/01/2017 | \$47.73 | \$10.00 | \$14.90 | \$0.00 | \$72.63 |

Apprentice - OPERATING ENGINEERS - Local 4

| Effective Date - 12/01/2015 | | | | | | |
|-----------------------------|---------|----------------------|---------|---------|---------------------------|------------|
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 55 | \$24.05 | \$10.00 | \$0.00 | \$0.00 | \$34.05 |
| 2 | 60 | \$26.24 | \$10.00 | \$14.90 | \$0.00 | \$51.14 |
| 3 | 65 | \$28.42 | \$10.00 | \$14.90 | \$0.00 | \$53.32 |
| 4 | 70 | \$30.61 | \$10.00 | \$14.90 | \$0.00 | \$55.51 |
| 5 | 75 | \$32.80 | \$10.00 | \$14.90 | \$0.00 | \$57.70 |
| 6 | 80 | \$34.98 | \$10.00 | \$14.90 | \$0.00 | \$59.88 |
| 7 | 85 | \$37.17 | \$10.00 | \$14.90 | \$0.00 | \$62.07 |
| 8 | 90 | \$39.36 | \$10.00 | \$14.90 | \$0.00 | \$64.26 |

| Effective Date - 06/01/2016 | | | | | | |
|-----------------------------|---------|----------------------|---------|---------|---------------------------|------------|
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 55 | \$24.46 | \$10.00 | \$0.00 | \$0.00 | \$34.46 |
| 2 | 60 | \$26.69 | \$10.00 | \$14.90 | \$0.00 | \$51.59 |
| 3 | 65 | \$28.91 | \$10.00 | \$14.90 | \$0.00 | \$53.81 |
| 4 | 70 | \$31.14 | \$10.00 | \$14.90 | \$0.00 | \$56.04 |
| 5 | 75 | \$33.36 | \$10.00 | \$14.90 | \$0.00 | \$58.26 |
| 6 | 80 | \$35.58 | \$10.00 | \$14.90 | \$0.00 | \$60.48 |
| 7 | 85 | \$37.81 | \$10.00 | \$14.90 | \$0.00 | \$62.71 |
| 8 | 90 | \$40.03 | \$10.00 | \$14.90 | \$0.00 | \$64.93 |

Notes:

Apprentice to Journeyworker Ratio:1:6

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| HVAC (DUCTWORK) <i>SHEETMETAL WORKERS LOCAL 17 - A</i> | 08/01/2015 | \$43.31 | \$10.20 | \$21.48 | \$2.25 | \$77.24 |
| | 02/01/2016 | \$43.31 | \$10.70 | \$21.95 | \$2.28 | \$78.24 |
| | 08/01/2016 | \$44.46 | \$10.70 | \$21.95 | \$2.28 | \$79.39 |
| | 02/01/2017 | \$45.56 | \$10.70 | \$21.95 | \$2.28 | \$80.49 |
| | 08/01/2017 | \$46.66 | \$10.70 | \$21.95 | \$2.28 | \$81.59 |
| | 02/01/2018 | \$47.81 | \$10.70 | \$21.95 | \$2.28 | \$82.74 |
| | | | | | | |
| For apprentice rates see "Apprentice- SHEET METAL WORKER" | | | | | | |
| HVAC (ELECTRICAL CONTROLS) <i>ELECTRICIANS LOCAL 103</i> | 09/01/2015 | \$45.67 | \$13.00 | \$15.89 | \$0.00 | \$74.56 |
| | 03/01/2016 | \$46.17 | \$13.00 | \$16.39 | \$0.00 | \$75.56 |
| For apprentice rates see "Apprentice- ELECTRICIAN" | | | | | | |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|-----------|---------|---------|---------------------------|------------|
| HVAC (TESTING AND BALANCING - AIR) <i>SHEETMETAL WORKERS LOCAL 17 - A</i> | 08/01/2015 | \$43.31 | \$10.20 | \$21.48 | \$2.25 | \$77.24 |
| | 02/01/2016 | \$43.31 | \$10.70 | \$21.95 | \$2.28 | \$78.24 |
| | 08/01/2016 | \$44.46 | \$10.70 | \$21.95 | \$2.28 | \$79.39 |
| | 02/01/2017 | \$45.56 | \$10.70 | \$21.95 | \$2.28 | \$80.49 |
| | 08/01/2017 | \$46.66 | \$10.70 | \$21.95 | \$2.28 | \$81.59 |
| | 02/01/2018 | \$47.81 | \$10.70 | \$21.95 | \$2.28 | \$82.74 |
| For apprentice rates see "Apprentice- SHEET METAL WORKER" | | | | | | |
| HVAC (TESTING AND BALANCING -WATER) <i>PIPEFITTERS LOCAL 537</i> | 09/01/2015 | \$49.69 | \$9.70 | \$16.89 | \$0.00 | \$76.28 |
| | 03/01/2016 | \$50.69 | \$9.70 | \$16.89 | \$0.00 | \$77.28 |
| | 09/01/2016 | \$51.69 | \$9.70 | \$16.89 | \$0.00 | \$78.28 |
| | 03/01/2017 | \$52.69 | \$9.70 | \$16.89 | \$0.00 | \$79.28 |
| For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER" | | | | | | |
| HVAC MECHANIC <i>PIPEFITTERS LOCAL 537</i> | 09/01/2015 | \$49.69 | \$9.70 | \$16.89 | \$0.00 | \$76.28 |
| | 03/01/2016 | \$50.69 | \$9.70 | \$16.89 | \$0.00 | \$77.28 |
| | 09/01/2016 | \$51.69 | \$9.70 | \$16.89 | \$0.00 | \$78.28 |
| | 03/01/2017 | \$52.69 | \$9.70 | \$16.89 | \$0.00 | \$79.28 |
| For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER" | | | | | | |
| HYDRAULIC DRILLS <i>LABORERS - ZONE 1</i> | 12/01/2015 | \$36.10 | \$7.45 | \$13.55 | \$0.00 | \$57.10 |
| | 06/01/2016 | \$36.85 | \$7.45 | \$13.55 | \$0.00 | \$57.85 |
| | 12/01/2016 | \$37.85 | \$7.45 | \$13.55 | \$0.00 | \$58.85 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| INSULATOR (PIPES & TANKS) <i>HEAT & FROST INSULATORS LOCAL 6 (BOSTON)</i> | 09/01/2015 | \$43.81 | \$11.50 | \$13.80 | \$0.00 | \$69.11 |
| | 09/01/2016 | \$45.81 | \$11.50 | \$13.80 | \$0.00 | \$71.11 |
| | 09/01/2017 | \$47.81 | \$11.50 | \$13.80 | \$0.00 | \$73.11 |
| | 09/01/2018 | \$50.06 | \$11.50 | \$13.80 | \$0.00 | \$75.36 |
| | 09/01/2019 | \$52.56 | \$11.50 | \$13.80 | \$0.00 | \$77.86 |

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

| Effective Date - 09/01/2015 | | | | | | |
|-----------------------------|---------|----------------------|---------|---------|---------------------------|------------|
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$21.91 | \$11.50 | \$10.05 | \$0.00 | \$43.46 |
| 2 | 60 | \$26.29 | \$11.50 | \$10.80 | \$0.00 | \$48.59 |
| 3 | 70 | \$30.67 | \$11.50 | \$11.55 | \$0.00 | \$53.72 |
| 4 | 80 | \$35.05 | \$11.50 | \$12.30 | \$0.00 | \$58.85 |

| Effective Date - 09/01/2016 | | | | | | |
|-----------------------------|---------|----------------------|---------|---------|---------------------------|------------|
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$22.91 | \$11.50 | \$10.05 | \$0.00 | \$44.46 |
| 2 | 60 | \$27.49 | \$11.50 | \$10.80 | \$0.00 | \$49.79 |
| 3 | 70 | \$32.07 | \$11.50 | \$11.55 | \$0.00 | \$55.12 |
| 4 | 80 | \$36.65 | \$11.50 | \$12.30 | \$0.00 | \$60.45 |

Notes:
Steps are 1 year

Apprentice to Journeyworker Ratio:1:4

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|--------|---------|---------------------------|------------|
| IRONWORKER/WELDER <i>IRONWORKERS LOCAL 7 (BOSTON AREA)</i> | 09/16/2015 | \$42.40 | \$7.80 | \$20.85 | \$0.00 | \$71.05 |
| | 03/16/2016 | \$43.40 | \$7.80 | \$20.85 | \$0.00 | \$72.05 |
| | 09/16/2016 | \$44.05 | \$7.80 | \$20.85 | \$0.00 | \$72.70 |
| | 03/16/2017 | \$44.65 | \$7.80 | \$20.85 | \$0.00 | \$73.30 |

Apprentice - IRONWORKER - Local 7 Boston

| Effective Date - 09/16/2015 | | | | | | |
|-----------------------------|---------|----------------------|--------|---------|---------------------------|------------|
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 60 | \$25.44 | \$7.80 | \$20.85 | \$0.00 | \$54.09 |
| 2 | 70 | \$29.68 | \$7.80 | \$20.85 | \$0.00 | \$58.33 |
| 3 | 75 | \$31.80 | \$7.80 | \$20.85 | \$0.00 | \$60.45 |
| 4 | 80 | \$33.92 | \$7.80 | \$20.85 | \$0.00 | \$62.57 |
| 5 | 85 | \$36.04 | \$7.80 | \$20.85 | \$0.00 | \$64.69 |
| 6 | 90 | \$38.16 | \$7.80 | \$20.85 | \$0.00 | \$66.81 |

| Effective Date - 03/16/2016 | | | | | | |
|-----------------------------|---------|----------------------|--------|---------|---------------------------|------------|
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 60 | \$26.04 | \$7.80 | \$20.85 | \$0.00 | \$54.69 |
| 2 | 70 | \$30.38 | \$7.80 | \$20.85 | \$0.00 | \$59.03 |
| 3 | 75 | \$32.55 | \$7.80 | \$20.85 | \$0.00 | \$61.20 |
| 4 | 80 | \$34.72 | \$7.80 | \$20.85 | \$0.00 | \$63.37 |
| 5 | 85 | \$36.89 | \$7.80 | \$20.85 | \$0.00 | \$65.54 |
| 6 | 90 | \$39.06 | \$7.80 | \$20.85 | \$0.00 | \$67.71 |

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

Apprentice to Journeyworker Ratio:**

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| JACKHAMMER & PAVING BREAKER OPERATOR <i>LABORERS - ZONE 1</i> | 12/01/2015 | \$35.60 | \$7.45 | \$13.55 | \$0.00 | \$56.60 |
| | 06/01/2016 | \$36.35 | \$7.45 | \$13.55 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$37.35 | \$7.45 | \$13.55 | \$0.00 | \$58.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LABORER <i>LABORERS - ZONE 1</i> | 12/01/2015 | \$35.35 | \$7.45 | \$13.55 | \$0.00 | \$56.35 |
| | 06/01/2016 | \$36.10 | \$7.45 | \$13.55 | \$0.00 | \$57.10 |
| | 12/01/2016 | \$37.10 | \$7.45 | \$13.55 | \$0.00 | \$58.10 |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|----------------------|---------|---------|------------------------------|----------------|
| Apprentice - LABORER - Zone 1 | | | | | | |
| Effective Date - 12/01/2015 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 60 | \$21.21 | \$7.45 | \$13.55 | \$0.00 | \$42.21 |
| 2 | 70 | \$24.75 | \$7.45 | \$13.55 | \$0.00 | \$45.75 |
| 3 | 80 | \$28.28 | \$7.45 | \$13.55 | \$0.00 | \$49.28 |
| 4 | 90 | \$31.82 | \$7.45 | \$13.55 | \$0.00 | \$52.82 |
| Effective Date - 06/01/2016 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 60 | \$21.66 | \$7.45 | \$13.55 | \$0.00 | \$42.66 |
| 2 | 70 | \$25.27 | \$7.45 | \$13.55 | \$0.00 | \$46.27 |
| 3 | 80 | \$28.88 | \$7.45 | \$13.55 | \$0.00 | \$49.88 |
| 4 | 90 | \$32.49 | \$7.45 | \$13.55 | \$0.00 | \$53.49 |
| <div>Notes:</div> | | | | | | |
| Apprentice to Journeyworker Ratio:1:5 | | | | | | |
| LABORER: CARPENTER TENDER | | | | | | |
| <i>LABORERS - ZONE 1</i> | | | | | | |
| | | 12/01/2015 | \$35.35 | \$7.45 | \$13.55 | \$0.00 \$56.35 |
| | | 06/01/2016 | \$36.10 | \$7.45 | \$13.55 | \$0.00 \$57.10 |
| | | 12/01/2016 | \$37.10 | \$7.45 | \$13.55 | \$0.00 \$58.10 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LABORER: CEMENT FINISHER TENDER | | | | | | |
| <i>LABORERS - ZONE 1</i> | | | | | | |
| | | 12/01/2015 | \$35.35 | \$7.45 | \$13.55 | \$0.00 \$56.35 |
| | | 06/01/2016 | \$36.10 | \$7.45 | \$13.55 | \$0.00 \$57.10 |
| | | 12/01/2016 | \$37.10 | \$7.45 | \$13.55 | \$0.00 \$58.10 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER | | | | | | |
| <i>LABORERS - ZONE 1</i> | | | | | | |
| | | 12/01/2015 | \$35.50 | \$7.45 | \$13.55 | \$0.00 \$56.50 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LABORER: MASON TENDER | | | | | | |
| <i>LABORERS - ZONE 1</i> | | | | | | |
| | | 12/01/2015 | \$35.60 | \$7.45 | \$13.55 | \$0.00 \$56.60 |
| | | 06/01/2016 | \$36.35 | \$7.45 | \$13.55 | \$0.00 \$57.35 |
| | | 12/01/2016 | \$37.35 | \$7.45 | \$13.55 | \$0.00 \$58.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LABORER: MULTI-TRADE TENDER | | | | | | |
| <i>LABORERS - ZONE 1</i> | | | | | | |
| | | 12/01/2015 | \$35.35 | \$7.45 | \$13.55 | \$0.00 \$56.35 |
| | | 06/01/2016 | \$36.10 | \$7.45 | \$13.55 | \$0.00 \$57.10 |
| | | 12/01/2016 | \$37.10 | \$7.45 | \$13.55 | \$0.00 \$58.10 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LABORER: TREE REMOVER | | | | | | |
| <i>LABORERS - ZONE 1</i> | | | | | | |
| | | 12/01/2015 | \$35.35 | \$7.45 | \$13.55 | \$0.00 \$56.35 |
| | | 06/01/2016 | \$36.10 | \$7.45 | \$13.55 | \$0.00 \$57.10 |
| | | 12/01/2016 | \$37.10 | \$7.45 | \$13.55 | \$0.00 \$58.10 |
| 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 1</i> | | | | | | |
| | | 12/01/2015 | \$35.60 | \$7.45 | \$13.55 | \$0.00 \$56.60 |
| | | 06/01/2016 | \$36.35 | \$7.45 | \$13.55 | \$0.00 \$57.35 |
| | | 12/01/2016 | \$37.35 | \$7.45 | \$13.55 | \$0.00 \$58.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|----------------------|---------|---------|------------------------------|------------|
| MARBLE & TILE FINISHERS | | | | | | |
| <i>BRICKLAYERS LOCAL 3 - MARBLE & TILE</i> | | | | | | |
| | 08/01/2015 | \$38.08 | \$10.18 | \$17.25 | \$0.00 | \$65.51 |
| | 02/01/2016 | \$38.08 | \$10.18 | \$17.70 | \$0.00 | \$65.96 |
| | 08/01/2016 | \$38.78 | \$10.18 | \$17.78 | \$0.00 | \$66.74 |
| | 02/01/2017 | \$39.24 | \$10.18 | \$17.78 | \$0.00 | \$67.20 |
| Apprentice - MARBLE & TILE FINISHER - Local 3 Marble & Tile | | | | | | |
| Effective Date - 08/01/2015 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$19.04 | \$10.18 | \$17.25 | \$0.00 | \$46.47 |
| 2 | 60 | \$22.85 | \$10.18 | \$17.25 | \$0.00 | \$50.28 |
| 3 | 70 | \$26.66 | \$10.18 | \$17.25 | \$0.00 | \$54.09 |
| 4 | 80 | \$30.46 | \$10.18 | \$17.25 | \$0.00 | \$57.89 |
| 5 | 90 | \$34.27 | \$10.18 | \$17.25 | \$0.00 | \$61.70 |
| Effective Date - 02/01/2016 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$19.04 | \$10.18 | \$17.70 | \$0.00 | \$46.92 |
| 2 | 60 | \$22.85 | \$10.18 | \$17.70 | \$0.00 | \$50.73 |
| 3 | 70 | \$26.66 | \$10.18 | \$17.70 | \$0.00 | \$54.54 |
| 4 | 80 | \$30.46 | \$10.18 | \$17.70 | \$0.00 | \$58.34 |
| 5 | 90 | \$34.27 | \$10.18 | \$17.70 | \$0.00 | \$62.15 |
| <div>Notes:</div> | | | | | | |
| Apprentice to Journeyworker Ratio:1:3 | | | | | | |
| MARBLE MASONS,TILELAYERS & TERRAZZO MECH | | | | | | |
| <i>BRICKLAYERS LOCAL 3 - MARBLE & TILE</i> | | | | | | |
| | 08/01/2015 | \$49.90 | \$10.18 | \$18.57 | \$0.00 | \$78.65 |
| | 02/01/2016 | \$49.90 | \$10.18 | \$19.14 | \$0.00 | \$79.22 |
| | 08/01/2016 | \$50.80 | \$10.18 | \$19.22 | \$0.00 | \$80.20 |
| | 02/01/2017 | \$51.37 | \$10.18 | \$19.22 | \$0.00 | \$80.77 |

Classification Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

| | | | | | | |
|--|---------|----------------------|---------|---------|---------------------------|------------|
| Apprentice - MARBLE-TILE-TERRAZZO MECHANIC - Local 3 Marble & Tile | | | | | | |
| Effective Date - 08/01/2015 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$24.95 | \$10.18 | \$18.57 | \$0.00 | \$53.70 |
| 2 | 60 | \$29.94 | \$10.18 | \$18.57 | \$0.00 | \$58.69 |
| 3 | 70 | \$34.93 | \$10.18 | \$18.57 | \$0.00 | \$63.68 |
| 4 | 80 | \$39.92 | \$10.18 | \$18.57 | \$0.00 | \$68.67 |
| 5 | 90 | \$44.91 | \$10.18 | \$18.57 | \$0.00 | \$73.66 |

| | | | | | | |
|-----------------------------|---------|----------------------|---------|---------|---------------------------|------------|
| Effective Date - 02/01/2016 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$24.95 | \$10.18 | \$19.14 | \$0.00 | \$54.27 |
| 2 | 60 | \$29.94 | \$10.18 | \$19.14 | \$0.00 | \$59.26 |
| 3 | 70 | \$34.93 | \$10.18 | \$19.14 | \$0.00 | \$64.25 |
| 4 | 80 | \$39.92 | \$10.18 | \$19.14 | \$0.00 | \$69.24 |
| 5 | 90 | \$44.91 | \$10.18 | \$19.14 | \$0.00 | \$74.23 |

Notes:

Apprentice to Journeyworker Ratio:1:5

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| MECH. SWEEPER OPERATOR (ON CONST. SITES) | 12/01/2015 | \$43.31 | \$10.00 | \$14.90 | \$0.00 | \$68.21 |
| OPERATING ENGINEERS LOCAL 4 | 06/01/2016 | \$44.06 | \$10.00 | \$14.90 | \$0.00 | \$68.96 |
| | 12/01/2016 | \$45.29 | \$10.00 | \$14.90 | \$0.00 | \$70.19 |
| | 06/01/2017 | \$46.28 | \$10.00 | \$14.90 | \$0.00 | \$71.18 |
| | 12/01/2017 | \$47.27 | \$10.00 | \$14.90 | \$0.00 | \$72.17 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|-----------------------------|------------|---------|---------|---------|--------|---------|
| MECHANICS MAINTENANCE | 12/01/2015 | \$43.31 | \$10.00 | \$14.90 | \$0.00 | \$68.21 |
| OPERATING ENGINEERS LOCAL 4 | 06/01/2016 | \$44.06 | \$10.00 | \$14.90 | \$0.00 | \$68.96 |
| | 12/01/2016 | \$45.29 | \$10.00 | \$14.90 | \$0.00 | \$70.19 |
| | 06/01/2017 | \$46.28 | \$10.00 | \$14.90 | \$0.00 | \$71.18 |
| | 12/01/2017 | \$47.27 | \$10.00 | \$14.90 | \$0.00 | \$72.17 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|---------------------------------|------------|---------|--------|---------|--------|---------|
| MILLWRIGHT (Zone 1) | 04/01/2015 | \$37.64 | \$9.80 | \$16.21 | \$0.00 | \$63.65 |
| MILLWRIGHTS LOCAL 1121 - Zone 1 | | | | | | |

Classification Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

| | | | | | | |
|---|---------|----------------------|--------|---------|---------------------------|------------|
| Apprentice - MILLWRIGHT - Local 1121 Zone 1 | | | | | | |
| Effective Date - 04/01/2015 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 55 | \$20.70 | \$9.80 | \$4.48 | \$0.00 | \$34.98 |
| 2 | 65 | \$24.47 | \$9.80 | \$13.36 | \$0.00 | \$47.63 |
| 3 | 75 | \$28.23 | \$9.80 | \$14.18 | \$0.00 | \$52.21 |
| 4 | 85 | \$31.99 | \$9.80 | \$14.99 | \$0.00 | \$56.78 |

Notes:

Steps are 2,000 hours

Apprentice to Journeyworker Ratio:1:5

| | | | | | | |
|-------------------|------------|---------|--------|---------|--------|---------|
| MORTAR MIXER | 12/01/2015 | \$35.60 | \$7.45 | \$13.55 | \$0.00 | \$56.60 |
| LABORERS - ZONE 1 | 06/01/2016 | \$36.35 | \$7.45 | \$13.55 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$37.35 | \$7.45 | \$13.55 | \$0.00 | \$58.35 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| OILER (OTHER THAN TRUCK CRANES,GRADALLS) | 12/01/2015 | \$22.27 | \$10.00 | \$14.90 | \$0.00 | \$47.17 |
| OPERATING ENGINEERS LOCAL 4 | 06/01/2016 | \$22.66 | \$10.00 | \$14.90 | \$0.00 | \$47.56 |
| | 12/01/2016 | \$23.31 | \$10.00 | \$14.90 | \$0.00 | \$48.21 |
| | 06/01/2017 | \$23.82 | \$10.00 | \$14.90 | \$0.00 | \$48.72 |
| | 12/01/2017 | \$24.34 | \$10.00 | \$14.90 | \$0.00 | \$49.24 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|--------------------------------|------------|---------|---------|---------|--------|---------|
| OILER (TRUCK CRANES, GRADALLS) | 12/01/2015 | \$26.08 | \$10.00 | \$14.90 | \$0.00 | \$50.98 |
| OPERATING ENGINEERS LOCAL 4 | 06/01/2016 | \$26.54 | \$10.00 | \$14.90 | \$0.00 | \$51.44 |
| | 12/01/2016 | \$27.29 | \$10.00 | \$14.90 | \$0.00 | \$52.19 |
| | 06/01/2017 | \$27.89 | \$10.00 | \$14.90 | \$0.00 | \$52.79 |
| | 12/01/2017 | \$28.50 | \$10.00 | \$14.90 | \$0.00 | \$53.40 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| OTHER POWER DRIVEN EQUIPMENT - CLASS II | 12/01/2015 | \$43.31 | \$10.00 | \$14.90 | \$0.00 | \$68.21 |
| OPERATING ENGINEERS LOCAL 4 | 06/01/2016 | \$44.06 | \$10.00 | \$14.90 | \$0.00 | \$68.96 |
| | 12/01/2016 | \$45.29 | \$10.00 | \$14.90 | \$0.00 | \$70.19 |
| | 06/01/2017 | \$46.28 | \$10.00 | \$14.90 | \$0.00 | \$71.18 |
| | 12/01/2017 | \$47.27 | \$10.00 | \$14.90 | \$0.00 | \$72.17 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|----------------------------|------------|---------|--------|---------|--------|---------|
| PAINTER (BRIDGES/TANKS) | 01/01/2016 | \$49.51 | \$7.85 | \$16.10 | \$0.00 | \$73.46 |
| PAINTERS LOCAL 35 - ZONE 1 | 07/01/2016 | \$50.46 | \$7.85 | \$16.10 | \$0.00 | \$74.41 |
| | 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 - 01/01/2016 | | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate | |
| 1 | 50 | \$24.76 | \$7.85 | \$0.00 | \$0.00 | \$32.61 | |
| 2 | 55 | \$27.23 | \$7.85 | \$3.66 | \$0.00 | \$38.74 | |
| 3 | 60 | \$29.71 | \$7.85 | \$3.99 | \$0.00 | \$41.55 | |
| 4 | 65 | \$32.18 | \$7.85 | \$4.32 | \$0.00 | \$44.35 | |
| 5 | 70 | \$34.66 | \$7.85 | \$14.11 | \$0.00 | \$56.62 | |
| 6 | 75 | \$37.13 | \$7.85 | \$14.44 | \$0.00 | \$59.42 | |
| 7 | 80 | \$39.61 | \$7.85 | \$14.77 | \$0.00 | \$62.23 | |
| 8 | 90 | \$44.56 | \$7.85 | \$15.44 | \$0.00 | \$67.85 | |
| Effective Date - 07/01/2016 | | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate | |
| 1 | 50 | \$25.23 | \$7.85 | \$0.00 | \$0.00 | \$33.08 | |
| 2 | 55 | \$27.75 | \$7.85 | \$3.66 | \$0.00 | \$39.26 | |
| 3 | 60 | \$30.28 | \$7.85 | \$3.99 | \$0.00 | \$42.12 | |
| 4 | 65 | \$32.80 | \$7.85 | \$4.32 | \$0.00 | \$44.97 | |
| 5 | 70 | \$35.32 | \$7.85 | \$14.11 | \$0.00 | \$57.28 | |
| 6 | 75 | \$37.85 | \$7.85 | \$14.44 | \$0.00 | \$60.14 | |
| 7 | 80 | \$40.37 | \$7.85 | \$14.77 | \$0.00 | \$62.99 | |
| 8 | 90 | \$45.41 | \$7.85 | \$15.44 | \$0.00 | \$68.70 | |
| Notes: Steps are 750 hrs. | | | | | | | |
| Apprentice to Journeyworker Ratio:1:1 | | | | | | | |
| PAINTER (SPRAY OR SANDBLAST, NEW) * | | 01/01/2016 | \$46.20 | \$7.85 | \$16.10 | \$0.00 | \$70.15 |
| * If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. <i>PAINTERS LOCAL 35 - ZONE 1</i> | | 07/01/2016 | \$47.15 | \$7.85 | \$16.10 | \$0.00 | \$71.10 |
| | | 01/01/2017 | \$48.10 | \$7.85 | \$16.10 | \$0.00 | \$72.05 |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate | |
|---|----------------|----------------------|---------|---------|------------------------------|------------|---------|
| Apprentice - PAINTER Local 35 Zone 1 - Spray/Sandblast - New | | | | | | | |
| Effective Date - 01/01/2016 | | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate | |
| 1 | 50 | \$23.10 | \$7.85 | \$0.00 | \$0.00 | \$30.95 | |
| 2 | 55 | \$25.41 | \$7.85 | \$3.66 | \$0.00 | \$36.92 | |
| 3 | 60 | \$27.72 | \$7.85 | \$3.99 | \$0.00 | \$39.56 | |
| 4 | 65 | \$30.03 | \$7.85 | \$4.32 | \$0.00 | \$42.20 | |
| 5 | 70 | \$32.34 | \$7.85 | \$14.11 | \$0.00 | \$54.30 | |
| 6 | 75 | \$34.65 | \$7.85 | \$14.44 | \$0.00 | \$56.94 | |
| 7 | 80 | \$36.96 | \$7.85 | \$14.77 | \$0.00 | \$59.58 | |
| 8 | 90 | \$41.58 | \$7.85 | \$15.44 | \$0.00 | \$64.87 | |
| Effective Date - 07/01/2016 | | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate | |
| 1 | 50 | \$23.58 | \$7.85 | \$0.00 | \$0.00 | \$31.43 | |
| 2 | 55 | \$25.93 | \$7.85 | \$3.66 | \$0.00 | \$37.44 | |
| 3 | 60 | \$28.29 | \$7.85 | \$3.99 | \$0.00 | \$40.13 | |
| 4 | 65 | \$30.65 | \$7.85 | \$4.32 | \$0.00 | \$42.82 | |
| 5 | 70 | \$33.01 | \$7.85 | \$14.11 | \$0.00 | \$54.97 | |
| 6 | 75 | \$35.36 | \$7.85 | \$14.44 | \$0.00 | \$57.65 | |
| 7 | 80 | \$37.72 | \$7.85 | \$14.77 | \$0.00 | \$60.34 | |
| 8 | 90 | \$42.44 | \$7.85 | \$15.44 | \$0.00 | \$65.73 | |
| Notes: Steps are 750 hrs. | | | | | | | |
| Apprentice to Journeyworker Ratio:1:1 | | | | | | | |
| PAINTER (SPRAY OR SANDBLAST, REPAINT) | | 01/01/2016 | \$44.26 | \$7.85 | \$16.10 | \$0.00 | \$68.21 |
| PAINTERS LOCAL 35 - ZONE 1 | | 07/01/2016 | \$45.21 | \$7.85 | \$16.10 | \$0.00 | \$69.16 |
| | | 01/01/2017 | \$46.16 | \$7.85 | \$16.10 | \$0.00 | \$70.11 |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate | |
|--|----------------|----------------------|---------|---------|------------------------------|------------|---------|
| Apprentice - PAINTER Local 35 Zone 1 - Spray/Sandblast - Repaint | | | | | | | |
| Effective Date - 01/01/2016 | | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate | |
| 1 | 50 | \$22.13 | \$7.85 | \$0.00 | \$0.00 | \$29.98 | |
| 2 | 55 | \$24.34 | \$7.85 | \$3.66 | \$0.00 | \$35.85 | |
| 3 | 60 | \$26.56 | \$7.85 | \$3.99 | \$0.00 | \$38.40 | |
| 4 | 65 | \$28.77 | \$7.85 | \$4.32 | \$0.00 | \$40.94 | |
| 5 | 70 | \$30.98 | \$7.85 | \$14.11 | \$0.00 | \$52.94 | |
| 6 | 75 | \$33.20 | \$7.85 | \$14.44 | \$0.00 | \$55.49 | |
| 7 | 80 | \$35.41 | \$7.85 | \$14.77 | \$0.00 | \$58.03 | |
| 8 | 90 | \$39.83 | \$7.85 | \$15.44 | \$0.00 | \$63.12 | |
| Effective Date - 07/01/2016 | | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate | |
| 1 | 50 | \$22.61 | \$7.85 | \$0.00 | \$0.00 | \$30.46 | |
| 2 | 55 | \$24.87 | \$7.85 | \$3.66 | \$0.00 | \$36.38 | |
| 3 | 60 | \$27.13 | \$7.85 | \$3.99 | \$0.00 | \$38.97 | |
| 4 | 65 | \$29.39 | \$7.85 | \$4.32 | \$0.00 | \$41.56 | |
| 5 | 70 | \$31.65 | \$7.85 | \$14.11 | \$0.00 | \$53.61 | |
| 6 | 75 | \$33.91 | \$7.85 | \$14.44 | \$0.00 | \$56.20 | |
| 7 | 80 | \$36.17 | \$7.85 | \$14.77 | \$0.00 | \$58.79 | |
| 8 | 90 | \$40.69 | \$7.85 | \$15.44 | \$0.00 | \$63.98 | |
| <div>Notes:</div> <div>Steps are 750 hrs.</div> | | | | | | | |
| Apprentice to Journeyworker Ratio:1:1 | | | | | | | |
| PAINTER (TRAFFIC MARKINGS) | | 12/01/2015 | \$35.35 | \$7.45 | \$13.55 | \$0.00 | \$56.35 |
| LABORERS - ZONE 1 | | 06/01/2016 | \$36.10 | \$7.45 | \$13.55 | \$0.00 | \$57.10 |
| | | 12/01/2016 | \$37.10 | \$7.45 | \$13.55 | \$0.00 | \$58.10 |
| For Apprentice rates see "Apprentice- LABORER" | | | | | | | |
| PAINTER / TAPER (BRUSH, NEW) * | | 01/01/2016 | \$44.80 | \$7.85 | \$16.10 | \$0.00 | \$68.75 |
| * If 30% or more of surfaces to be painted are new construction, | | 07/01/2016 | \$45.75 | \$7.85 | \$16.10 | \$0.00 | \$69.70 |
| NEW paint rate shall be used.PAINTERS LOCAL 35 - ZONE 1 | | 01/01/2017 | \$46.70 | \$7.85 | \$16.10 | \$0.00 | \$70.65 |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|----------------------|--------|---------|------------------------------|------------|
| Apprentice - PAINTER - Local 35 Zone 1 - BRUSH NEW | | | | | | |
| Effective Date - 01/01/2016 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$22.40 | \$7.85 | \$0.00 | \$0.00 | \$30.25 |
| 2 | 55 | \$24.64 | \$7.85 | \$3.66 | \$0.00 | \$36.15 |
| 3 | 60 | \$26.88 | \$7.85 | \$3.99 | \$0.00 | \$38.72 |
| 4 | 65 | \$29.12 | \$7.85 | \$4.32 | \$0.00 | \$41.29 |
| 5 | 70 | \$31.36 | \$7.85 | \$14.11 | \$0.00 | \$53.32 |
| 6 | 75 | \$33.60 | \$7.85 | \$14.44 | \$0.00 | \$55.89 |
| 7 | 80 | \$35.84 | \$7.85 | \$14.77 | \$0.00 | \$58.46 |
| 8 | 90 | \$40.32 | \$7.85 | \$15.44 | \$0.00 | \$63.61 |
| Effective Date - 07/01/2016 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$22.88 | \$7.85 | \$0.00 | \$0.00 | \$30.73 |
| 2 | 55 | \$25.16 | \$7.85 | \$3.66 | \$0.00 | \$36.67 |
| 3 | 60 | \$27.45 | \$7.85 | \$3.99 | \$0.00 | \$39.29 |
| 4 | 65 | \$29.74 | \$7.85 | \$4.32 | \$0.00 | \$41.91 |
| 5 | 70 | \$32.03 | \$7.85 | \$14.11 | \$0.00 | \$53.99 |
| 6 | 75 | \$34.31 | \$7.85 | \$14.44 | \$0.00 | \$56.60 |
| 7 | 80 | \$36.60 | \$7.85 | \$14.77 | \$0.00 | \$59.22 |
| 8 | 90 | \$41.18 | \$7.85 | \$15.44 | \$0.00 | \$64.47 |
| <div>Notes: Steps are 750 hrs.</div> | | | | | | |
| Apprentice to Journeyworker Ratio:1:1 | | | | | | |
| PAINTER / TAPER (BRUSH, REPAINT) | | | | | | |
| | 01/01/2016 | \$42.86 | \$7.85 | \$16.10 | \$0.00 | \$66.81 |
| PAINTERS LOCAL 35 - ZONE 1 | | | | | | |
| | 07/01/2016 | \$43.81 | \$7.85 | \$16.10 | \$0.00 | \$67.76 |
| | 01/01/2017 | \$44.76 | \$7.85 | \$16.10 | \$0.00 | \$68.71 |

Classification Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER Local 35 Zone 1 - BRUSH REPAINT

Effective Date - 01/01/2016

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$21.43 | \$7.85 | \$0.00 | \$0.00 | \$29.28 |
| 2 | 55 | \$23.57 | \$7.85 | \$3.66 | \$0.00 | \$35.08 |
| 3 | 60 | \$25.72 | \$7.85 | \$3.99 | \$0.00 | \$37.56 |
| 4 | 65 | \$27.86 | \$7.85 | \$4.32 | \$0.00 | \$40.03 |
| 5 | 70 | \$30.00 | \$7.85 | \$14.11 | \$0.00 | \$51.96 |
| 6 | 75 | \$32.15 | \$7.85 | \$14.44 | \$0.00 | \$54.44 |
| 7 | 80 | \$34.29 | \$7.85 | \$14.77 | \$0.00 | \$56.91 |
| 8 | 90 | \$38.57 | \$7.85 | \$15.44 | \$0.00 | \$61.86 |

Effective Date - 07/01/2016

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$21.91 | \$7.85 | \$0.00 | \$0.00 | \$29.76 |
| 2 | 55 | \$24.10 | \$7.85 | \$3.66 | \$0.00 | \$35.61 |
| 3 | 60 | \$26.29 | \$7.85 | \$3.99 | \$0.00 | \$38.13 |
| 4 | 65 | \$28.48 | \$7.85 | \$4.32 | \$0.00 | \$40.65 |
| 5 | 70 | \$30.67 | \$7.85 | \$14.11 | \$0.00 | \$52.63 |
| 6 | 75 | \$32.86 | \$7.85 | \$14.44 | \$0.00 | \$55.15 |
| 7 | 80 | \$35.05 | \$7.85 | \$14.77 | \$0.00 | \$57.67 |
| 8 | 90 | \$39.43 | \$7.85 | \$15.44 | \$0.00 | \$62.72 |

Notes:
Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| PANEL & PICKUP TRUCKS DRIVER | 12/01/2015 | \$32.58 | \$10.41 | \$10.08 | \$0.00 | \$53.07 |
| TEAMSTERS JOINT COUNCIL NO. 10 ZONE A | 06/01/2016 | \$33.08 | \$10.41 | \$10.08 | \$0.00 | \$53.57 |
| | 08/01/2016 | \$33.08 | \$10.91 | \$10.08 | \$0.00 | \$54.07 |
| | 12/01/2016 | \$33.08 | \$10.91 | \$10.89 | \$0.00 | \$54.88 |
| PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK) | 08/01/2015 | \$42.04 | \$9.80 | \$19.23 | \$0.00 | \$71.07 |
| PILE DRIVER LOCAL 56 (ZONE 1) | | | | | | |
| PILE DRIVER | 08/01/2015 | \$42.04 | \$9.80 | \$19.23 | \$0.00 | \$71.07 |
| PILE DRIVER LOCAL 56 (ZONE 1) | | | | | | |

Classification Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PILE DRIVER - Local 56 Zone 1

Effective Date - 08/01/2015

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$21.02 | \$9.80 | \$19.23 | \$0.00 | \$50.05 |
| 2 | 60 | \$25.22 | \$9.80 | \$19.23 | \$0.00 | \$54.25 |
| 3 | 70 | \$29.43 | \$9.80 | \$19.23 | \$0.00 | \$58.46 |
| 4 | 75 | \$31.53 | \$9.80 | \$19.23 | \$0.00 | \$60.56 |
| 5 | 80 | \$33.63 | \$9.80 | \$19.23 | \$0.00 | \$62.66 |
| 6 | 80 | \$33.63 | \$9.80 | \$19.23 | \$0.00 | \$62.66 |
| 7 | 90 | \$37.84 | \$9.80 | \$19.23 | \$0.00 | \$66.87 |
| 8 | 90 | \$37.84 | \$9.80 | \$19.23 | \$0.00 | \$66.87 |

Notes:

Apprentice to Journeyworker Ratio:1:3

| | | | | | | |
|--------------------------|------------|---------|--------|---------|--------|---------|
| PIPEFITTER & STEAMFITTER | 09/01/2015 | \$49.69 | \$9.70 | \$16.89 | \$0.00 | \$76.28 |
| PIPEFITTERS LOCAL 537 | 03/01/2016 | \$50.69 | \$9.70 | \$16.89 | \$0.00 | \$77.28 |
| | 09/01/2016 | \$51.69 | \$9.70 | \$16.89 | \$0.00 | \$78.28 |
| | 03/01/2017 | \$52.69 | \$9.70 | \$16.89 | \$0.00 | \$79.28 |

Apprentice - PIPEFITTER - Local 537

Effective Date - 09/01/2015

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 40 | \$19.88 | \$9.70 | \$7.50 | \$0.00 | \$37.08 |
| 2 | 45 | \$22.36 | \$9.70 | \$16.89 | \$0.00 | \$48.95 |
| 3 | 60 | \$29.81 | \$9.70 | \$16.89 | \$0.00 | \$56.40 |
| 4 | 70 | \$34.78 | \$9.70 | \$16.89 | \$0.00 | \$61.37 |
| 5 | 80 | \$39.75 | \$9.70 | \$16.89 | \$0.00 | \$66.34 |

Effective Date - 03/01/2016

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 40 | \$20.28 | \$9.70 | \$7.50 | \$0.00 | \$37.48 |
| 2 | 45 | \$22.81 | \$9.70 | \$16.89 | \$0.00 | \$49.40 |
| 3 | 60 | \$30.41 | \$9.70 | \$16.89 | \$0.00 | \$57.00 |
| 4 | 70 | \$35.48 | \$9.70 | \$16.89 | \$0.00 | \$62.07 |
| 5 | 80 | \$40.55 | \$9.70 | \$16.89 | \$0.00 | \$67.14 |

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

Apprentice to Journeyworker Ratio:**

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|----------------------|---------|---------|---------------------------|------------|
| PIPELAYER <i>LABORERS - ZONE 1</i> | 12/01/2015 | \$35.60 | \$7.45 | \$13.55 | \$0.00 | \$56.60 |
| | 06/01/2016 | \$36.35 | \$7.45 | \$13.55 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$37.35 | \$7.45 | \$13.55 | \$0.00 | \$58.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| PLUMBERS & GASFITTERS <i>PLUMBERS & GASFITTERS LOCAL 12</i> | 09/01/2015 | \$50.46 | \$10.82 | \$15.14 | \$0.00 | \$76.42 |
| | 03/01/2016 | \$51.61 | \$10.82 | \$15.14 | \$0.00 | \$77.57 |
| | 09/01/2016 | \$52.66 | \$10.82 | \$15.14 | \$0.00 | \$78.62 |
| | 03/01/2017 | \$53.66 | \$10.82 | \$15.14 | \$0.00 | \$79.62 |
| | | | | | | |
| Apprentice - <i>PLUMBER/GASFITTER - Local 12</i> | | | | | | |
| Effective Date - 09/01/2015 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 35 | \$17.66 | \$10.82 | \$5.63 | \$0.00 | \$34.11 |
| 2 | 40 | \$20.18 | \$10.82 | \$6.37 | \$0.00 | \$37.37 |
| 3 | 55 | \$27.75 | \$10.82 | \$8.56 | \$0.00 | \$47.13 |
| 4 | 65 | \$32.80 | \$10.82 | \$10.03 | \$0.00 | \$53.65 |
| 5 | 75 | \$37.85 | \$10.82 | \$11.48 | \$0.00 | \$60.15 |
| | | | | | | |
| Effective Date - 03/01/2016 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 35 | \$18.06 | \$10.82 | \$5.61 | \$0.00 | \$34.49 |
| 2 | 40 | \$20.64 | \$10.82 | \$6.36 | \$0.00 | \$37.82 |
| 3 | 55 | \$28.39 | \$10.82 | \$8.56 | \$0.00 | \$47.77 |
| 4 | 65 | \$33.55 | \$10.82 | \$10.02 | \$0.00 | \$54.39 |
| 5 | 75 | \$38.71 | \$10.82 | \$11.48 | \$0.00 | \$61.01 |
| | | | | | | |
| Notes: | | | | | | |
| ** 1:2; 2:6; 3:10; 4:14; 5:19/Steps are 1 yr | | | | | | |
| Step4 with lic\$56.90 Step5 with lic\$63.40 | | | | | | |
| Apprentice to Journeyworker Ratio:** | | | | | | |
| PNEUMATIC CONTROLS (TEMP.) <i>PIPEFITTERS LOCAL 337</i> | 09/01/2015 | \$49.69 | \$9.70 | \$16.89 | \$0.00 | \$76.28 |
| | 03/01/2016 | \$50.69 | \$9.70 | \$16.89 | \$0.00 | \$77.28 |
| | 09/01/2016 | \$51.69 | \$9.70 | \$16.89 | \$0.00 | \$78.28 |
| | 03/01/2017 | \$52.69 | \$9.70 | \$16.89 | \$0.00 | \$79.28 |
| For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER" | | | | | | |
| PNEUMATIC DRILL/TOOL OPERATOR <i>LABORERS - ZONE 1</i> | 12/01/2015 | \$35.60 | \$7.45 | \$13.55 | \$0.00 | \$56.60 |
| | 06/01/2016 | \$36.35 | \$7.45 | \$13.55 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$37.35 | \$7.45 | \$13.55 | \$0.00 | \$58.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| POWDERMAN & BLASTER <i>LABORERS - ZONE 1</i> | 12/01/2015 | \$36.35 | \$7.45 | \$13.55 | \$0.00 | \$57.35 |
| | 06/01/2016 | \$37.10 | \$7.45 | \$13.55 | \$0.00 | \$58.10 |
| | 12/01/2016 | \$38.10 | \$7.45 | \$13.55 | \$0.00 | \$59.10 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|-----------|---------|---------|---------------------------|------------|
| POWER SHOVEL/DERRICK/TRENCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2015 | \$43.73 | \$10.00 | \$14.90 | \$0.00 | \$68.63 |
| | 06/01/2016 | \$44.48 | \$10.00 | \$14.90 | \$0.00 | \$69.38 |
| | 12/01/2016 | \$45.73 | \$10.00 | \$14.90 | \$0.00 | \$70.63 |
| | 06/01/2017 | \$46.73 | \$10.00 | \$14.90 | \$0.00 | \$71.63 |
| | 12/01/2017 | \$47.73 | \$10.00 | \$14.90 | \$0.00 | \$72.63 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| PUMP OPERATOR (CONCRETE) <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2015 | \$43.73 | \$10.00 | \$14.90 | \$0.00 | \$68.63 |
| | 06/01/2016 | \$44.48 | \$10.00 | \$14.90 | \$0.00 | \$69.38 |
| | 12/01/2016 | \$45.73 | \$10.00 | \$14.90 | \$0.00 | \$70.63 |
| | 06/01/2017 | \$46.73 | \$10.00 | \$14.90 | \$0.00 | \$71.63 |
| | 12/01/2017 | \$47.73 | \$10.00 | \$14.90 | \$0.00 | \$72.63 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| PUMP OPERATOR (DEWATERING, OTHER) <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2015 | \$30.13 | \$10.00 | \$14.90 | \$0.00 | \$55.03 |
| | 06/01/2016 | \$30.65 | \$10.00 | \$14.90 | \$0.00 | \$55.55 |
| | 12/01/2016 | \$31.52 | \$10.00 | \$14.90 | \$0.00 | \$56.42 |
| | 06/01/2017 | \$32.21 | \$10.00 | \$14.90 | \$0.00 | \$57.11 |
| | 12/01/2017 | \$32.90 | \$10.00 | \$14.90 | \$0.00 | \$57.80 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| READY MIX CONCRETE DRIVERS after 4/30/10 (Drivers Hired After 4/30/2010) <i>TEAMSTERS LOCAL 25a</i> | 07/01/2015 | \$27.88 | \$7.98 | \$8.92 | \$0.00 | \$44.78 |
| | 05/01/2016 | \$28.03 | \$7.98 | \$9.31 | \$0.00 | \$45.32 |
| | 07/01/2016 | \$28.03 | \$8.23 | \$9.31 | \$0.00 | \$45.57 |
| | 05/01/2017 | \$28.18 | \$8.23 | \$9.72 | \$0.00 | \$46.13 |
| | 07/01/2017 | \$28.18 | \$8.48 | \$9.72 | \$0.00 | \$46.38 |
| READY-MIX CONCRETE DRIVER <i>TEAMSTERS LOCAL 25a</i> | 07/01/2015 | \$31.14 | \$7.98 | \$8.92 | \$0.00 | \$48.04 |
| | 05/01/2016 | \$31.29 | \$7.98 | \$9.31 | \$0.00 | \$48.58 |
| | 07/01/2016 | \$31.29 | \$8.23 | \$9.31 | \$0.00 | \$48.83 |
| | 05/01/2017 | \$31.44 | \$8.23 | \$9.72 | \$0.00 | \$49.39 |
| | 07/01/2017 | \$31.44 | \$8.48 | \$9.72 | \$0.00 | \$49.64 |
| RECLAIMERS <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2015 | \$43.31 | \$10.00 | \$14.90 | \$0.00 | \$68.21 |
| | 06/01/2016 | \$44.06 | \$10.00 | \$14.90 | \$0.00 | \$68.96 |
| | 12/01/2016 | \$45.29 | \$10.00 | \$14.90 | \$0.00 | \$70.19 |
| | 06/01/2017 | \$46.28 | \$10.00 | \$14.90 | \$0.00 | \$71.18 |
| | 12/01/2017 | \$47.27 | \$10.00 | \$14.90 | \$0.00 | \$72.17 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| RESIDENTIAL WOOD FRAME (All Other Work) <i>CARPENTERS -ZONE 1 (Residential Wood)</i> | 04/01/2011 | \$37.25 | \$8.67 | \$15.51 | \$0.00 | \$61.43 |
| | 05/01/2011 | \$27.49 | \$6.34 | \$6.23 | \$0.00 | \$40.06 |
| ** 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 -ZONE 1 (Residential Wood)</i> | | | | | | |
| 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) - Zone 1 | | | | | | |
| Effective Date - 05/01/2011 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 60 | \$16.49 | \$6.34 | \$0.00 | \$0.00 | \$22.83 |
| 2 | 60 | \$16.49 | \$6.34 | \$6.23 | \$0.00 | \$29.06 |
| 3 | 65 | \$17.87 | \$6.34 | \$6.23 | \$0.00 | \$30.44 |
| 4 | 70 | \$19.24 | \$6.34 | \$6.23 | \$0.00 | \$31.81 |
| 5 | 75 | \$20.62 | \$6.34 | \$6.23 | \$0.00 | \$33.19 |
| 6 | 80 | \$21.99 | \$6.34 | \$6.23 | \$0.00 | \$34.56 |
| 7 | 85 | \$23.37 | \$6.34 | \$6.23 | \$0.00 | \$35.94 |
| 8 | 90 | \$24.74 | \$6.34 | \$6.23 | \$0.00 | \$37.31 |
| <div>Notes:</div> | | | | | | |
| Apprentice to Journeyworker Ratio:1:5 | | | | | | |
| RIDE-ON MOTORIZED BUGGY OPERATOR | | | | | | |
| <i>LABORERS - ZONE 1</i> | | | | | | |
| | 12/01/2015 | \$35.60 | \$7.45 | \$13.55 | \$0.00 | \$56.60 |
| | 06/01/2016 | \$36.35 | \$7.45 | \$13.55 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$37.35 | \$7.45 | \$13.55 | \$0.00 | \$58.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| ROLLER/SPREADER/MULCHING MACHINE | | | | | | |
| <i>OPERATING ENGINEERS LOCAL 4</i> | | | | | | |
| | 12/01/2015 | \$43.31 | \$10.00 | \$14.90 | \$0.00 | \$68.21 |
| | 06/01/2016 | \$44.06 | \$10.00 | \$14.90 | \$0.00 | \$68.96 |
| | 12/01/2016 | \$45.29 | \$10.00 | \$14.90 | \$0.00 | \$70.19 |
| | 06/01/2017 | \$46.28 | \$10.00 | \$14.90 | \$0.00 | \$71.18 |
| | 12/01/2017 | \$47.27 | \$10.00 | \$14.90 | \$0.00 | \$72.17 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| ROOFER (Inc. Roofer Waterproofing & Roofer Damproofg) | | | | | | |
| <i>ROOFERS LOCAL 33</i> | | | | | | |
| | 08/01/2015 | \$40.11 | \$11.00 | \$12.00 | \$0.00 | \$63.11 |
| | 02/01/2016 | \$40.11 | \$11.00 | \$12.90 | \$0.00 | \$64.01 |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|----------------------|---------|---------|------------------------------|------------|
| Apprentice - ROOFER - Local 33 | | | | | | |
| Effective Date - 08/01/2015 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$20.06 | \$11.00 | \$3.38 | \$0.00 | \$34.44 |
| 2 | 60 | \$24.07 | \$11.00 | \$12.00 | \$0.00 | \$47.07 |
| 3 | 65 | \$26.07 | \$11.00 | \$12.00 | \$0.00 | \$49.07 |
| 4 | 75 | \$30.08 | \$11.00 | \$12.00 | \$0.00 | \$53.08 |
| 5 | 85 | \$34.09 | \$11.00 | \$12.00 | \$0.00 | \$57.09 |
| Effective Date - 02/01/2016 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$20.06 | \$11.00 | \$3.39 | \$0.00 | \$34.45 |
| 2 | 60 | \$24.07 | \$11.00 | \$12.90 | \$0.00 | \$47.97 |
| 3 | 65 | \$26.07 | \$11.00 | \$12.90 | \$0.00 | \$49.97 |
| 4 | 75 | \$30.08 | \$11.00 | \$12.90 | \$0.00 | \$53.98 |
| 5 | 85 | \$34.09 | \$11.00 | \$12.90 | \$0.00 | \$57.99 |
| <div>Notes: ** 1:5, 2:6-10, the 1:10; Reroofing: 1:4, then 1:1 Step 1 is 2000 hrs.; Steps 2-5 are 1000 hrs.</div> | | | | | | |
| Apprentice to Journeyworker Ratio:** | | | | | | |
| ROOFER SLATE / TILE / PRECAST CONCRETE | | | | | | |
| <i>ROOFERS LOCAL 33</i> | | | | | | |
| | 08/01/2015 | \$40.36 | \$11.00 | \$12.00 | \$0.00 | \$63.36 |
| | 02/01/2016 | \$40.36 | \$11.00 | \$12.90 | \$0.00 | \$64.26 |
| For apprentice rates see "Apprentice- ROOFER" | | | | | | |
| SHEETMETAL WORKER | | | | | | |
| <i>SHEETMETAL WORKERS LOCAL 17 - A</i> | | | | | | |
| | 08/01/2015 | \$43.31 | \$10.20 | \$21.48 | \$2.25 | \$77.24 |
| | 02/01/2016 | \$43.31 | \$10.70 | \$21.95 | \$2.28 | \$78.24 |
| | 08/01/2016 | \$44.46 | \$10.70 | \$21.95 | \$2.28 | \$79.39 |
| | 02/01/2017 | \$45.56 | \$10.70 | \$21.95 | \$2.28 | \$80.49 |
| | 08/01/2017 | \$46.66 | \$10.70 | \$21.95 | \$2.28 | \$81.59 |
| | 02/01/2018 | \$47.81 | \$10.70 | \$21.95 | \$2.28 | \$82.74 |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate | |
|--|----------------|----------------------|---------|---------|------------------------------|------------|---------|
| Apprentice - SHEET METAL WORKER - Local 17-A | | | | | | | |
| Effective Date - 08/01/2015 | | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate | |
| 1 | 40 | \$17.32 | \$10.20 | \$4.90 | \$0.00 | \$32.42 | |
| 2 | 40 | \$17.32 | \$10.20 | \$4.90 | \$0.00 | \$32.42 | |
| 3 | 45 | \$19.49 | \$10.20 | \$9.59 | \$1.18 | \$40.46 | |
| 4 | 45 | \$19.49 | \$10.20 | \$9.59 | \$1.18 | \$40.46 | |
| 5 | 50 | \$21.66 | \$10.20 | \$10.45 | \$1.27 | \$43.58 | |
| 6 | 50 | \$21.66 | \$10.20 | \$10.70 | \$1.28 | \$43.84 | |
| 7 | 60 | \$25.99 | \$10.20 | \$12.17 | \$1.45 | \$49.81 | |
| 8 | 65 | \$28.15 | \$10.20 | \$13.04 | \$1.54 | \$52.93 | |
| 9 | 75 | \$32.48 | \$10.20 | \$14.76 | \$1.72 | \$59.16 | |
| 10 | 85 | \$36.81 | \$10.20 | \$15.98 | \$1.89 | \$64.88 | |
| Effective Date - 02/01/2016 | | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate | |
| 1 | 40 | \$17.32 | \$10.70 | \$4.90 | \$0.00 | \$32.92 | |
| 2 | 40 | \$17.32 | \$10.70 | \$4.90 | \$0.00 | \$32.92 | |
| 3 | 45 | \$19.49 | \$10.70 | \$9.79 | \$1.20 | \$41.18 | |
| 4 | 45 | \$19.49 | \$10.70 | \$9.79 | \$1.20 | \$41.18 | |
| 5 | 50 | \$21.66 | \$10.70 | \$10.65 | \$1.29 | \$44.30 | |
| 6 | 50 | \$21.66 | \$10.70 | \$10.90 | \$1.30 | \$44.56 | |
| 7 | 60 | \$25.99 | \$10.70 | \$12.37 | \$1.47 | \$50.53 | |
| 8 | 65 | \$28.15 | \$10.70 | \$13.24 | \$1.56 | \$53.65 | |
| 9 | 75 | \$32.48 | \$10.70 | \$14.97 | \$1.74 | \$59.89 | |
| 10 | 85 | \$36.81 | \$10.70 | \$16.18 | \$1.91 | \$65.60 | |
| Notes: | | | | | | | |
| Steps are 6 mos. | | | | | | | |
| Apprentice to Journeyworker Ratio:1:4 | | | | | | | |
| SIGN ERECTOR | | | | | | | |
| PAINTERS LOCAL 35 - ZONE 1 | | 06/01/2013 | \$25.81 | \$7.07 | \$7.05 | \$0.00 | \$39.93 |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate | |
|--|----------------|----------------------|---------|---------|------------------------------|------------|---------|
| Apprentice - SIGN ERECTOR - Local 35 Zone 1 | | | | | | | |
| 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 | |
| <div>Notes: Steps are 4 mos.</div> | | | | | | | |
| Apprentice to Journeyworker Ratio:1:1 | | | | | | | |
| SPECIALIZED EARTH MOVING EQUIP < 35 TONS | | | | | | | |
| TEAMSTERS JOINT COUNCIL NO. 10 ZONE A | | 12/01/2015 | \$33.04 | \$10.41 | \$10.08 | \$0.00 | \$53.53 |
| | | 06/01/2016 | \$33.54 | \$10.41 | \$10.08 | \$0.00 | \$54.03 |
| | | 08/01/2016 | \$33.54 | \$10.91 | \$10.08 | \$0.00 | \$54.53 |
| | | 12/01/2016 | \$33.54 | \$10.91 | \$10.89 | \$0.00 | \$55.34 |
| SPECIALIZED EARTH MOVING EQUIP > 35 TONS | | | | | | | |
| TEAMSTERS JOINT COUNCIL NO. 10 ZONE A | | 12/01/2015 | \$33.33 | \$10.41 | \$10.08 | \$0.00 | \$53.82 |
| | | 06/01/2016 | \$33.83 | \$10.41 | \$10.08 | \$0.00 | \$54.32 |
| | | 08/01/2016 | \$33.83 | \$10.91 | \$10.08 | \$0.00 | \$54.82 |
| | | 12/01/2016 | \$33.83 | \$10.91 | \$10.89 | \$0.00 | \$55.63 |
| SPRINKLER FITTER | | | | | | | |
| SPRINKLER FITTERS LOCAL 550 - (Section A) Zone 1 | | 01/01/2016 | \$54.43 | \$8.67 | \$15.80 | \$0.00 | \$78.90 |
| | | 03/01/2016 | \$55.43 | \$8.67 | \$15.80 | \$0.00 | \$79.90 |
| | | 10/01/2016 | \$56.58 | \$8.67 | \$15.80 | \$0.00 | \$81.05 |
| | | 03/01/2017 | \$57.58 | \$8.67 | \$15.80 | \$0.00 | \$82.05 |

Classification Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

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

| Effective Date - 01/01/2016 | | | | | | |
|-----------------------------|---------|----------------------|--------|---------|---------------------------|------------|
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 35 | \$19.05 | \$8.67 | \$8.55 | \$0.00 | \$36.27 |
| 2 | 40 | \$21.77 | \$8.67 | \$8.55 | \$0.00 | \$38.99 |
| 3 | 45 | \$24.49 | \$8.67 | \$8.55 | \$0.00 | \$41.71 |
| 4 | 50 | \$27.22 | \$8.67 | \$8.55 | \$0.00 | \$44.44 |
| 5 | 55 | \$29.94 | \$8.67 | \$8.55 | \$0.00 | \$47.16 |
| 6 | 60 | \$32.66 | \$8.67 | \$8.55 | \$0.00 | \$49.88 |
| 7 | 65 | \$35.38 | \$8.67 | \$8.55 | \$0.00 | \$52.60 |
| 8 | 70 | \$38.10 | \$8.67 | \$8.55 | \$0.00 | \$55.32 |
| 9 | 75 | \$40.82 | \$8.67 | \$8.55 | \$0.00 | \$58.04 |
| 10 | 80 | \$43.54 | \$8.67 | \$8.55 | \$0.00 | \$60.76 |

| Effective Date - 03/01/2016 | | | | | | |
|-----------------------------|---------|----------------------|--------|---------|---------------------------|------------|
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 35 | \$19.40 | \$8.67 | \$8.55 | \$0.00 | \$36.62 |
| 2 | 40 | \$22.17 | \$8.67 | \$8.55 | \$0.00 | \$39.39 |
| 3 | 45 | \$24.94 | \$8.67 | \$8.55 | \$0.00 | \$42.16 |
| 4 | 50 | \$27.72 | \$8.67 | \$8.55 | \$0.00 | \$44.94 |
| 5 | 55 | \$30.49 | \$8.67 | \$8.55 | \$0.00 | \$47.71 |
| 6 | 60 | \$33.26 | \$8.67 | \$8.55 | \$0.00 | \$50.48 |
| 7 | 65 | \$36.03 | \$8.67 | \$8.55 | \$0.00 | \$53.25 |
| 8 | 70 | \$38.80 | \$8.67 | \$8.55 | \$0.00 | \$56.02 |
| 9 | 75 | \$41.57 | \$8.67 | \$8.55 | \$0.00 | \$58.79 |
| 10 | 80 | \$44.34 | \$8.67 | \$8.55 | \$0.00 | \$61.56 |

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

Apprentice to Journeyworker Ratio:1:3

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| STEAM BOILER OPERATOR OPERATING ENGINEERS LOCAL 4 | 12/01/2015 | \$43.31 | \$10.00 | \$14.90 | \$0.00 | \$68.21 |
| | 06/01/2016 | \$44.06 | \$10.00 | \$14.90 | \$0.00 | \$68.96 |
| | 12/01/2016 | \$45.29 | \$10.00 | \$14.90 | \$0.00 | \$70.19 |
| | 06/01/2017 | \$46.28 | \$10.00 | \$14.90 | \$0.00 | \$71.18 |
| | 12/01/2017 | \$47.27 | \$10.00 | \$14.90 | \$0.00 | \$72.17 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| TAMPERS, SELF-PROPELLED OR TRACTOR DRAWN OPERATING ENGINEERS LOCAL 4 | 12/01/2015 | \$43.31 | \$10.00 | \$14.90 | \$0.00 | \$68.21 |
| | 06/01/2016 | \$44.06 | \$10.00 | \$14.90 | \$0.00 | \$68.96 |
| | 12/01/2016 | \$45.29 | \$10.00 | \$14.90 | \$0.00 | \$70.19 |
| | 06/01/2017 | \$46.28 | \$10.00 | \$14.90 | \$0.00 | \$71.18 |
| | 12/01/2017 | \$47.27 | \$10.00 | \$14.90 | \$0.00 | \$72.17 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| TELECOMMUNICATION TECHNICIAN ELECTRICIANS LOCAL 103 | 09/01/2015 | \$34.25 | \$13.00 | \$14.06 | \$0.00 | \$61.31 |
| | 03/01/2016 | \$34.63 | \$13.00 | \$14.55 | \$0.00 | \$62.18 |

Classification Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - TELECOMMUNICATION TECHNICIAN - Local 103

| Effective Date - 09/01/2015 | | | | | | |
|-----------------------------|---------|----------------------|---------|---------|---------------------------|------------|
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 40 | \$13.70 | \$13.00 | \$0.41 | \$0.00 | \$27.11 |
| 2 | 40 | \$13.70 | \$13.00 | \$0.41 | \$0.00 | \$27.11 |
| 3 | 45 | \$15.41 | \$13.00 | \$11.03 | \$0.00 | \$39.44 |
| 4 | 45 | \$15.41 | \$13.00 | \$11.03 | \$0.00 | \$39.44 |
| 5 | 50 | \$17.13 | \$13.00 | \$11.30 | \$0.00 | \$41.43 |
| 6 | 55 | \$18.84 | \$13.00 | \$11.58 | \$0.00 | \$43.42 |
| 7 | 60 | \$20.55 | \$13.00 | \$11.86 | \$0.00 | \$45.41 |
| 8 | 65 | \$22.26 | \$13.00 | \$12.13 | \$0.00 | \$47.39 |
| 9 | 70 | \$23.98 | \$13.00 | \$12.41 | \$0.00 | \$49.39 |
| 10 | 75 | \$25.69 | \$13.00 | \$12.68 | \$0.00 | \$51.37 |

| Effective Date - 03/01/2016 | | | | | | |
|-----------------------------|---------|----------------------|---------|---------|---------------------------|------------|
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 40 | \$13.85 | \$13.00 | \$0.42 | \$0.00 | \$27.27 |
| 2 | 40 | \$13.85 | \$13.00 | \$0.42 | \$0.00 | \$27.27 |
| 3 | 45 | \$15.58 | \$13.00 | \$11.52 | \$0.00 | \$40.10 |
| 4 | 45 | \$15.58 | \$13.00 | \$11.52 | \$0.00 | \$40.10 |
| 5 | 50 | \$17.32 | \$13.00 | \$11.79 | \$0.00 | \$42.11 |
| 6 | 55 | \$19.05 | \$13.00 | \$12.06 | \$0.00 | \$44.11 |
| 7 | 60 | \$20.78 | \$13.00 | \$12.34 | \$0.00 | \$46.12 |
| 8 | 65 | \$22.51 | \$13.00 | \$12.62 | \$0.00 | \$48.13 |
| 9 | 70 | \$24.24 | \$13.00 | \$12.90 | \$0.00 | \$50.14 |
| 10 | 75 | \$25.97 | \$13.00 | \$13.17 | \$0.00 | \$52.14 |

Notes:

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| TERRAZZO FINISHERS BRICKLAYERS LOCAL 3 - MARBLE & TILE | 08/01/2015 | \$48.80 | \$10.18 | \$18.57 | \$0.00 | \$77.55 |
| | 02/01/2016 | \$48.80 | \$10.18 | \$19.14 | \$0.00 | \$78.12 |
| | 08/01/2016 | \$49.70 | \$10.18 | \$19.22 | \$0.00 | \$79.10 |
| | 02/01/2017 | \$50.27 | \$10.18 | \$19.22 | \$0.00 | \$79.67 |
| | | | | | | |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|----------------------|---------|---------|---------------------------|------------|
| Apprentice - TERRAZZO FINISHER - Local 3 Marble & Tile | | | | | | |
| Effective Date - 08/01/2015 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$24.40 | \$10.18 | \$18.57 | \$0.00 | \$53.15 |
| 2 | 60 | \$29.28 | \$10.18 | \$18.57 | \$0.00 | \$58.03 |
| 3 | 70 | \$34.16 | \$10.18 | \$18.57 | \$0.00 | \$62.91 |
| 4 | 80 | \$39.04 | \$10.18 | \$18.57 | \$0.00 | \$67.79 |
| 5 | 90 | \$43.92 | \$10.18 | \$18.57 | \$0.00 | \$72.67 |
| Effective Date - 02/01/2016 | | | | | | |
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
| 1 | 50 | \$24.40 | \$10.18 | \$19.14 | \$0.00 | \$53.72 |
| 2 | 60 | \$29.28 | \$10.18 | \$19.14 | \$0.00 | \$58.60 |
| 3 | 70 | \$34.16 | \$10.18 | \$19.14 | \$0.00 | \$63.48 |
| 4 | 80 | \$39.04 | \$10.18 | \$19.14 | \$0.00 | \$68.36 |
| 5 | 90 | \$43.92 | \$10.18 | \$19.14 | \$0.00 | \$73.24 |
| <div>Notes:</div> | | | | | | |
| Apprentice to Journeyworker Ratio:1:3 | | | | | | |
| TEST BORING DRILLER <i>LABORERS - FOUNDATION AND MARINE</i> | 12/01/2015 | \$36.70 | \$7.45 | \$13.75 | \$0.00 | \$57.90 |
| | 06/01/2016 | \$37.45 | \$7.45 | \$13.75 | \$0.00 | \$58.65 |
| | 12/01/2016 | \$38.45 | \$7.45 | \$13.75 | \$0.00 | \$59.65 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| TEST BORING DRILLER HELPER <i>LABORERS - FOUNDATION AND MARINE</i> | 12/01/2015 | \$35.42 | \$7.45 | \$13.75 | \$0.00 | \$56.62 |
| | 06/01/2016 | \$36.17 | \$7.45 | \$13.75 | \$0.00 | \$57.37 |
| | 12/01/2016 | \$37.17 | \$7.45 | \$13.75 | \$0.00 | \$58.37 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| TEST BORING LABORER <i>LABORERS - FOUNDATION AND MARINE</i> | 12/01/2015 | \$35.30 | \$7.45 | \$13.75 | \$0.00 | \$56.50 |
| | 06/01/2016 | \$36.05 | \$7.45 | \$13.75 | \$0.00 | \$57.25 |
| | 12/01/2016 | \$37.05 | \$7.45 | \$13.75 | \$0.00 | \$58.25 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| TRACTORS/PORTABLE STEAM GENERATORS <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2015 | \$43.31 | \$10.00 | \$14.90 | \$0.00 | \$68.21 |
| | 06/01/2016 | \$44.06 | \$10.00 | \$14.90 | \$0.00 | \$68.96 |
| | 12/01/2016 | \$45.29 | \$10.00 | \$14.90 | \$0.00 | \$70.19 |
| | 06/01/2017 | \$46.28 | \$10.00 | \$14.90 | \$0.00 | \$71.18 |
| | 12/01/2017 | \$47.27 | \$10.00 | \$14.90 | \$0.00 | \$72.17 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| TRAILERS FOR EARTH MOVING EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i> | 12/01/2015 | \$33.62 | \$10.41 | \$10.08 | \$0.00 | \$54.11 |
| | 06/01/2016 | \$34.12 | \$10.41 | \$10.08 | \$0.00 | \$54.61 |
| | 08/01/2016 | \$34.12 | \$10.91 | \$10.08 | \$0.00 | \$55.11 |
| | 12/01/2016 | \$34.12 | \$10.91 | \$10.89 | \$0.00 | \$55.92 |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|-----------|---------|---------|---------------------------|------------|
| TUNNEL WORK - COMPRESSED AIR <i>LABORERS (COMPRESSED AIR)</i> | 12/01/2015 | \$47.58 | \$7.45 | \$14.15 | \$0.00 | \$69.18 |
| | 06/01/2016 | \$48.33 | \$7.45 | \$14.15 | \$0.00 | \$69.93 |
| | 12/01/2016 | \$49.33 | \$7.45 | \$14.15 | \$0.00 | \$70.93 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| TUNNEL WORK - COMPRESSED AIR (HAZ. WASTE) <i>LABORERS (COMPRESSED AIR)</i> | 12/01/2015 | \$49.58 | \$7.45 | \$14.15 | \$0.00 | \$71.18 |
| | 06/01/2016 | \$50.33 | \$7.45 | \$14.15 | \$0.00 | \$71.93 |
| | 12/01/2016 | \$51.33 | \$7.45 | \$14.15 | \$0.00 | \$72.93 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| TUNNEL WORK - FREE AIR <i>LABORERS (FREE AIR TUNNEL)</i> | 12/01/2015 | \$39.65 | \$7.45 | \$14.15 | \$0.00 | \$61.25 |
| | 06/01/2016 | \$40.40 | \$7.45 | \$14.15 | \$0.00 | \$62.00 |
| | 12/01/2016 | \$41.40 | \$7.45 | \$14.15 | \$0.00 | \$63.00 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| TUNNEL WORK - FREE AIR (HAZ. WASTE) <i>LABORERS (FREE AIR TUNNEL)</i> | 12/01/2015 | \$41.65 | \$7.45 | \$14.15 | \$0.00 | \$63.25 |
| | 06/01/2016 | \$42.40 | \$7.45 | \$14.15 | \$0.00 | \$64.00 |
| | 12/01/2016 | \$43.40 | \$7.45 | \$14.15 | \$0.00 | \$65.00 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| VAC-HAUL <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i> | 12/01/2015 | \$33.04 | \$10.41 | \$10.08 | \$0.00 | \$53.53 |
| | 06/01/2016 | \$33.54 | \$10.41 | \$10.08 | \$0.00 | \$54.03 |
| | 08/01/2016 | \$33.54 | \$10.91 | \$10.08 | \$0.00 | \$54.53 |
| | 12/01/2016 | \$33.54 | \$10.91 | \$10.89 | \$0.00 | \$55.34 |
| WAGON DRILL OPERATOR <i>LABORERS - ZONE 1</i> | 12/01/2015 | \$35.60 | \$7.45 | \$13.55 | \$0.00 | \$56.60 |
| | 06/01/2016 | \$36.35 | \$7.45 | \$13.55 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$37.35 | \$7.45 | \$13.55 | \$0.00 | \$58.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| WASTE WATER PUMP OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2015 | \$43.73 | \$10.00 | \$14.90 | \$0.00 | \$68.63 |
| | 06/01/2016 | \$44.48 | \$10.00 | \$14.90 | \$0.00 | \$69.38 |
| | 12/01/2016 | \$45.73 | \$10.00 | \$14.90 | \$0.00 | \$70.63 |
| | 06/01/2017 | \$46.73 | \$10.00 | \$14.90 | \$0.00 | \$71.63 |
| | 12/01/2017 | \$47.73 | \$10.00 | \$14.90 | \$0.00 | \$72.63 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| WATER METER INSTALLER <i>PLUMBERS & GASFITTERS LOCAL 12</i> | 09/01/2015 | \$50.46 | \$10.82 | \$15.14 | \$0.00 | \$76.42 |
| | 03/01/2016 | \$51.61 | \$10.82 | \$15.14 | \$0.00 | \$77.57 |
| | 09/01/2016 | \$52.66 | \$10.82 | \$15.14 | \$0.00 | \$78.62 |
| | 03/01/2017 | \$53.66 | \$10.82 | \$15.14 | \$0.00 | \$79.62 |
| For apprentice rates see "Apprentice- PLUMBER/PIPEFITTER" or "PLUMBER/GASFITTER" | | | | | | |

Additional Apprentice Information:

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

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

All steps are six months (1000 hours.)
Ratios are expressed in allowable number of apprentices to journeymen or fraction thereof, unless otherwise specified.

****** Multiple ratios are listed in the comment field.
******* APP to JM; 1:1, 2:2, 2:3, 3:4, 4:4, 4:5, 4:6, 5:7, 6:7, 6:8, 6:9, 7:10, 8:10, 8:11, 8:12, 9:13, 10:13, 10:14, etc.
******** APP to JM; 1:1, 1:2, 2:3, 2:4, 3:5, 4:6, 4:7, 5:8, 6:9, 6:10, 7:11, 8:12, 8:13, 9:14, 10:15, 10:16, etc.

Appendix B
Sample Contract

**OWNER-CONTRACTOR PUBLIC CONSTRUCTION AGREEMENT
CITY OF SOMERVILLE**

PURCHASING DEPARTMENT FOR DPW-BUILDINGS AND GROUNDS

AGREEMENT made this 1st day of _____, _____ by and between the City of Somerville, a Massachusetts municipal corporation, acting by and through its Purchasing Department, 93 Highland Ave., Somerville, MA 02143 (referred to variously in the Contract Documents as "City", "Owner", "Awarding Authority", and "School") and the following General Contractor (referred to in the Contract Documents as "Contractor" or "General Contractor"):

CONTRACTOR

Name: _____
Address: _____

PROJECT

Name: _____
Location: _____

Brief Description: _____

ARCHITECT: _____
Address: _____

LANDSCAPE ARCHITECT
Name: _____
Address: _____

ENGINEER
Name: _____
Address: _____

(The Architect, Landscape Architect, or Engineer is described herein as the "Design Professional".)

THIS CONTRACT IS A

- _____ Public Works Contract under \$10,000
- _____ Public Building Contract under \$10,000, subject to the price quote requirements of Chapter 149 of the General Laws
- _____ Public Building Contract estimated to cost more than \$10,000, but less than \$25,000, subject to the written response requirements of Chapter 149 of the General Laws
- X Public Works Contract estimated to cost more than \$10,000 thereby subject to the bidding requirements of Mass. Gen. Laws, Chapter 30, Section 39M
- _____ Public Building Contract estimated to cost more than \$25,000, but less than \$100,000, subject to the bidding requirements of Mass. Gen. Laws, Chapter 30, Section 39M
- _____ Public Building Contract estimated to cost more than \$100,000 subject to the bidding requirements of Mass. Gen. Laws, Chapter 149, Section 44A.

(Chapter 149 and Chapter 30 contain interrelated provisions. When a provision applies only to Chapter 149 s. 44A contracts or only to Chapter 30, s. 39M contracts, it is so noted herein. Otherwise, any section of Chapter 30 or Chapter 149 cited in this contract shall be deemed to apply to both types of contracts.)

Section 1: CONTRACT DOCUMENTS.

The Contract Documents consist of the Owner-Contractor Agreement, Advertisement, Bidding Documents, Technical Specifications, Drawings, General Conditions, Supplementary Conditions, and Addenda issued prior to execution of this Contract, and Modifications agreed to in writing after the execution of this Contract. The following Appendices are attached hereto and are hereby incorporated by reference.

- _____ Appendix A - Advertisement; Notice to Bidders;
- _____ Appendix B - Bid Documents - Contractor's Bid
- _____ Appendix C - Scope of Services - includes a brief description of the project and the Plans and Technical Specifications (Plans on File)
- _____ Appendix D - Insurance Requirements with Contractor's Insurance Certificate(s)
- _____ Appendix E - General Conditions
- _____ Appendix F - Wage Rates; Living Wage Ordinance form
- _____ Appendix G - Performance Bond and Payment Bond, if contract is over \$2,000

The Contract Documents represent the entire Contract between the parties hereto and supersede prior negotiations, representations, or Contracts, whether written or oral.

Section 2: THE WORK.

The Contractor shall execute all work described in the Contract Documents, except to the extent that such work is specifically indicated in the Contract Documents to be the responsibility of others. In accordance with Chapter 30, section 39, of the General Laws, the contractor shall perform all of work in conformity with the plans and specifications included herein as Appendix A. No willful or substantial deviation from such plans and specifications shall be made unless authorized in writing by the Commissioner of Public Works, which authorization shall be confirmed by written change order within thirty days.

Section 3: PROJECT DATES

(a) Commencement: The Date of Commencement shall be stipulated by a written Notice to Proceed given by the City to the Contractor.

(b) Substantial Completion: The Contractor shall achieve substantial completion of the work no later than _____ after the Date of Commencement, time being of the essence. For good cause shown, the Commissioner of Public Works may, in his sole discretion, extend the date of substantial completion by written change order.

(c) Damages for Delay. The Contractor and the Contractor's surety shall be liable for and shall pay the City the sum of \$100.00 per calendar day, as liquidated damages, for each calendar day of delay until the work is substantially completed or, in the case of the portion of the work, for each calendar day of delay until the portion of the work is substantially completed. Substantial Completion shall mean either a) that the work, or portion of the work, has been completed, except for work having a contract price of less than one percent (1%) of the then adjusted total contract price; or b) that substantially all of the work has been completed and opened to public use, except for minor incomplete or unsatisfactory work items that do not materially impair the usefulness of the work.

(d) Suspension of the Work/Excusable Delays. If the City is required to suspend the work as a result of a request from the Office of the Attorney General in connection with a bid protest or an injunction, the Contractor shall not have a claim for damages, but the City shall extend the date of substantial completion for a period of time commensurate with the period of the suspension, and the liquidated damages clause shall not take effect until the extended date of substantial completion. If any of the following occurrences causes a delay in the work, the Contractor shall immediately notify DPW in writing. If, upon investigation, the City finds that the delay is excusable, the City shall extend the date of substantial completion for a period of time commensurate with the period of the excusable delay, and the liquidated damages clause shall not take effect until the extended date of substantial completion:

(1) any acts of the Government, including controls or restrictions upon or requisitioning of materials, equipment, tools, or labor by reason of war, National Defense, or any other national emergency;

(2) delays which are caused by the City and which are not occasioned by the Contractor's failure to supply DPW or its design professional with progress schedules, documents, samples, and the like, in a timely manner;

(3) causes not reasonably foreseeable by the parties to this Contract, which are beyond the reasonable control of the Contractor, such as blizzards, floods, hurricanes, tornadoes, and strikes;

(4) any delay of any subcontractor resulting from paragraphs (1), (2), or (3);

Section 4. CONTRACT SUM

The contract sum shall be \$ _____. The contract sum may be increased or decreased by change order, as quantities which have been estimated in the bid documents become known, or as other additions or deletions to the work are made, or if the work is interrupted or suspended by the City, all as set forth herein.

Section 5. CHANGES IN THE CONTRACT

(2) Suspension, Delay, or Interruption due to order of Awarding Authority.

(1) The Awarding Authority may order the General Contractor in writing to suspend, delay, or interrupt all or any part of the work for such period of time as it may determine to be appropriate for the convenience of the Awarding Authority; provided, however, that if there is a suspension, delay, or interruption for fifteen days or more or due to a failure of the Awarding Authority to act within the time specified in this contract, the Awarding Authority shall make an adjustment in the contract price for any increase in the cost of performance of this contract but shall not include any profit to the General Contractor on such increase; and provided further, that the Awarding Authority shall not make any adjustment in the contract price under this provision for any suspension, delay, interruption, or failure to act to the extent that such is due to any cause for which this contract provides for an equitable adjustment of the contract price under any other contract provisions.

(2) The General Contractor must submit the amount of a claim under provision (1) to the Awarding Authority in writing as soon as practicable after the end of the suspension, delay, interruption or failure to act and, in any event, not later than the date of final payment under this contract and, except for costs due to a suspension order, the Awarding Authority shall not approve any costs in the claim incurred more than twenty days before the General Contractor notified the Awarding Authority in writing of the act or failure to act involved in the claim.

(3) A subcontractor shall have the same rights against the General Contractor for payment for an increase in the cost of its performance as provisions (1) and (2) give the General Contractor against the Awarding Authority, but nothing in provisions (1) and (2) shall in any way change, modify or alter any other rights which the General Contractor or the subcontractor may have against each other.

(b) Change Orders. No willful and substantial deviation from the plans and specifications shall be made unless authorized in writing by the Awarding Authority or by the Design Professional in charge of the work who is duly authorized by the Awarding Authority to approve such deviations. In order to avoid delays in the prosecution of the work required by the

contract, such deviation from the plans and specifications may be authorized by a written order of the Awarding Authority or Design Professional so authorized, to be confirmed at a later time by a written Change Order, signed under penalties of perjury, using AIA Document G701 (or its equivalent). The Change Order shall include the following: (1) if such deviation involves any substitution or elimination of materials, fixtures or equipment, the reasons why such materials, fixtures or equipment were included in the first instance and the reasons for substitution or elimination, and, if the deviation is of any other nature, the reasons for such deviation, giving justification therefor; (2) that the specified deviation does not materially injure the project as a whole; (3) that either the work substituted for the work specified is of the same cost and quality, or that an equitable adjustment [increase or decrease as the case may be] has been agreed upon between the Contracting Agency and the General Contractor and the amount in dollars of such adjustment; and (4) that the deviation is in the best interest of the Contracting Authority. The Change Order shall also indicate whether or not the date of substantial completion has been extended. The equitable adjustment in price shall be determined by the unit prices, if any, in the General Contractor's bid; otherwise, it shall be a number which is agreed to by both parties as a fair adjustment and which can be itemized and substantiated to the reasonable satisfaction of the Contracting Authority. Where increases and decreases to the Contract Sum are included in one Change Order, the negotiated allowance for overhead and profit shall be calculated on the basis of the net increase, if any.

(c) Differing Subsurface or Latent Physical Conditions. In accordance with Chapter 30, section 39N of the General Laws, if, during the progress of the work, the Contractor or the Awarding Authority discovers that the actual physical subsurface or latent physical conditions encountered at the site differ substantially or materially from those shown on the plans or indicated in the contract documents, either the Contractor or the Contracting [Awarding] Authority may request an equitable adjustment in the contract price of the contract applying to work affected by the differing site conditions. A request for such an adjustment shall be in writing and shall be delivered by the party making such claim to the other party as soon as possible after such conditions are discovered. Upon receipt of such a claim from a Contractor, or upon its own initiative, the Contracting Authority shall make an investigation of such physical conditions, and, if they differ substantially or materially from those shown on the plans or indicated in the contract documents or from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the plans and contract documents and are of such a nature as to cause an increase or decrease in the cost of performance of the work or a change in the construction methods required for the performance of the work which results in an increase or decrease in the cost of the work, the Contracting Authority shall make an equitable adjustment in the contract price and the contract shall be modified in writing accordingly.

Section 6. PAYMENTS TO THE CONTRACTOR

(a) Progress Payments. The Contractor may submit requests for progress payments (hereafter, "Periodic Estimates") for work completed during the preceding month and for materials not incorporated in the work, but delivered and suitably stored at the site (or some other location agreed upon in writing). The Contractor's progress schedule and schedule of values, as modified by agreement of the parties, may be used by the City as a basis for reviewing the Contractor's Periodic Estimates. In the case of contracts for construction, reconstruction, alteration, remodeling, repair, or demolition of a public building, where the amount is more than two thousand dollars, the Contractor's Periodic Estimate shall contain a separate item for each filed subtrade and sub-subtrade, and a column listing the amount paid to

each subcontractor and sub-subcontractor as of the date the periodic estimate is filed, as required by Chapter 30, Section 39K, of the General Laws.

(1) Time for Payment. In the case of contracts for construction, reconstruction, alteration, remodeling, repair or demolition of a public building, where the amount is more than two thousand dollars, the City shall, in accordance with Chapter 30, Section 39K, of the General Laws, make payment within fifteen days of receipt of the Contractor's Periodic Estimate; provided however, that the City may, within seven days of receipt of an estimate which is not in the required form or which is arithmetically incorrect, return the incorrect estimate to the Contractor for correction, whereupon the date of receipt shall be the date of receipt of the corrected Periodic Estimate. For all other construction contracts, progress payments are governed by Chapter 30, Section 39G of the General Laws, and the City is required to make payment within thirty-five days of receipt of a Periodic Estimate.

(2) Retainage prior to Substantial Completion. In all construction contracts, the City may hold back a retainage of up to five percent of each progress payment to ensure satisfactory completion of the work. In addition, the City may withhold any amounts in dispute, including disputed change orders and direct payments owed to subcontractors pursuant to Chapter 30, Section 39F of the General Laws.

(b) Payment upon Substantial Completion. In the case of contracts for construction, reconstruction, alteration, repair, remodeling, or demolition of a public building, where the amount is more than \$2,000, Chapter 30, Section 39K, of the General Laws governs payment upon substantial completion. For all other contracts, Chapter 30, Section 39F of the General Laws governs payment upon substantial completion.

(1) Definition of Substantial Completion. Substantial Completion shall mean either a) that the work, or portion of the work, has been completed, except for work having a contract price of less than one percent (1%) of the then adjusted total contract price; or b) that substantially all of the work has been completed and opened to public use, except for minor incomplete or unsatisfactory work items that do not materially impair the usefulness of the work.

(2) Certificate of Substantial Completion. The Contractor shall give written notice to the City when the Contractor is of the opinion that the work has been substantially completed. Within twenty-one days of receipt of such notice, provided there is no dispute as to whether the work has been substantially completed, a Certificate of Substantial Completion signed by the City's Design Professional, or a written Declaration of Substantial Completion signed by the Executive Director of Mayor's Office of Strategic Planning and Community Development (on AIA form # G701 or its equivalent) shall be given to the Contractor. The date of such Certificate or Declaration shall be the Effective Date of Substantial Completion, subject to the provisions of Chapter 30, Section 39J, of the General Laws. If the City does not agree that the work has been substantially completed, the City or the City's Design Professional shall, within the twenty-one day period, present the Contractor with a written, itemized list of incomplete or unsatisfactory work items sufficient to demonstrate that the work has not been substantially completed. If the City fails to respond within the twenty-one day period, the date of the Contractor's notification of substantial completion shall become the "Effective Date of Substantial Completion". Within fifteen days after the effective date of the City's declaration of substantial completion, the City shall send to the Contractor by certified mail, return receipt requested, a complete list of all incomplete or unsatisfactory work items and, unless delayed by causes beyond his control, the Contractor shall complete all such work items within forty-five

days after receipt of said list or before the date of substantial completion in the contract, whichever is later. If the Contractor fails to complete such work within such time, the City may send the Contractor a notice in writing by certified mail, return receipt requested, instructing the Contractor that if the work is not completed with seven days after receipt of the notice, the contract will be terminated and the City will complete the incomplete or unsatisfactory work items and charge the cost of the same to the Contractor and the Contractor's sureties.

(3) Retainage after Substantial Completion. Within sixty-five days after the Effective Date of Substantial Completion, the City shall pay the Contractor all but one percent retainage, minus: a) the amount of any disputed work item; and b) five (5) percent of the value of plant materials in the ground; and c) the City's estimated cost of completing all incomplete and unsatisfactory work items. The City shall also deduct an amount equal to the sum of all demands for direct payment filed by subcontractors and not yet paid to subcontractors or deposited in joint accounts pursuant to Chapter 30, Section 39F of the General Laws. The five (5) percent retainage of the value of all plant materials in the ground shall be withheld by the City until final acceptance of such plant materials at the end of the guarantee period.

(c) Final Payment. The City shall make final payment to the Contractor within thirty days of completion of the work and submission of all documentation required.

IF FORMS FOR WAGE CERTIFICATIONS AND OTHER DOCUMENTATION
ARE SUPPLIED BY THE CITY TO THE CONTRACTOR, THE CONTRACTOR
SHALL SUBMIT DOCUMENTATION ON SUCH FORMS.

(d) Interest. If the City fails to pay the Contractor within the time periods mandated by statute, the City shall pay interest to the Contractor in accordance with Chapter 30, Sections 39G and 39K, whichever is applicable.

Section 7. PAYMENT OF SUBCONTRACTORS.

In accordance with Chapter 30, Section 39F of the General Laws, the subparagraphs a) through h) of this section shall be binding on contracts awarded pursuant to Chapter 30, Section 39M of the General Laws, and paragraphs a) through i) shall be binding on contracts awarded pursuant to Chapter 149, Section 44A of the General Laws:

(a) Immediately after the Contractor receives payment on account of a periodic estimate, the Contractor shall pay each subcontractor the amount paid for labor performed and materials furnished by that subcontractor, less any amount specified in any court proceedings barring such payment and also less any amount claimed due from the subcontractor to the Contractor.

(b) Not later than the sixty-fifth day after each subcontractor substantially completes his work in accordance with the plans and specifications, the entire balance due under the subcontract less amounts retained by the City as the estimated cost of completing the incomplete and unsatisfactory items of work, shall be due the subcontractor; and the City shall pay that amount to the Contractor. The Contractor shall immediately pay to the subcontractor the full amount received from the City less any amount specified in any court proceeding barring such payment and also less any amount claimed due from the subcontractor by the Contractor.

(c) Each payment made by the City to the Contractor pursuant to subparagraphs a) and b) of this section for the labor performed and materials furnished by a subcontractor shall be made to the Contractor for the account of that subcontractor; and the City shall take reasonable steps to compel the Contractor to make each such payment to each such subcontractor. If the City has received a demand for direct payment from a subcontractor for any amount which has been included in a payment to the Contractor or which is to be included in a payment to the Contractor for payment to the subcontractor as provided in subparagraphs a) and b), the City shall act upon the demand as provided in this section.

(2) If, within seventy days after the subcontractor has substantially completed the subcontract work, the subcontractor has not received from the Contractor the balance due under the subcontract, including any amount due for extra labor and materials furnished to the Contractor, less any amount retained by the City as the estimated cost of completing the incomplete and unsatisfactory items of work, the subcontractor may demand direct payment of that balance from the City. The demand shall be by a sworn statement delivered to or sent by certified mail to the City, and a copy shall be delivered to or sent by certified mail to the Contractor at the same time. The demand shall contain a detailed breakdown of the balance due under the subcontract and also a statement of the status of completion of the subcontract work. Any demand made after substantial completion of the subcontract work shall be valid even if delivered or mailed prior to the seventieth day after the subcontractor has substantially completed the subcontract work. Within ten days after the subcontractor has delivered to or so mailed the demand to the City and delivered or so mailed a copy to the Contractor, the Contractor may reply to the demand. The reply shall be by sworn statement delivered to or sent by certified mail to the City and a copy shall be delivered to or sent by certified mail to the subcontractor at the same time. The reply shall contain a detailed breakdown of the balance due under the subcontract including any amount due for extra labor and materials furnished to the Contractor and of the amount due for each claim made by the Contractor against the subcontractor.

(e) Within fifteen days after receipt of the demand by the City, but in no event prior to the seventieth day after substantial completion of the subcontract work, the City shall make direct payment to the subcontractor of the balance due under the subcontract including any amount due for extra labor and materials furnished to the Contractor, less any amount (1) retained by the City as the estimated cost of completing incomplete or unsatisfactory items of work, (2) specified in any court proceedings barring such payment, or (3) disputed by the Contractor in the sworn reply; provided, that the City shall not deduct from a direct payment any amount as provided in part (3) if the reply is not sworn to, or for which the sworn reply does not contain the detailed breakdown required by subparagraph (d). The City shall make further direct payment to the subcontractor immediately after the removal of any basis for deductions set forth in (1) or (2) above.

(f) The City shall promptly deposit disputed amounts in an interest-bearing, joint account in the names of the Contractor and the subcontractor, in a bank in Massachusetts selected by the City or agreed upon by the Contractor and the subcontractor, and shall notify the Contractor and the subcontractor of the date of the deposit and the bank receiving the deposit. The bank shall pay the amount in the account, including accrued interest, as provided in an agreement between the Contractor and the subcontractor or as determined by decree of a court of competent jurisdiction.

(g) All direct payments and all deductions from demands for direct payments deposited in an interest-bearing account or accounts in a bank pursuant to subparagraph (f) shall be made out of amounts payable to the Contractor at the time of receipt of a demand for direct payment from a subcontractor and out of amounts which later become payable to the Contractor and in the order of receipt of such demands from the subcontractors. All direct payments shall discharge the obligation of the City to the Contractor to the extent of such payment.

(h) The City shall deduct from payments to the Contractor amounts which, together with the above-mentioned bank deposits, are sufficient to satisfy all unpaid demands for direct payment received from subcontractors. All such amounts shall be earmarked for direct payments to such subcontractors, whose claims shall have priority over all other creditors of the Contractor.

(i) If the subcontractor does not receive payment as provided in subparagraph (a), or if the Contractor does not submit a Periodic Estimate for the value of the labor or materials performed or furnished by the subcontractor, and the subcontractor does not receive payment for the same when due less the deductions provided for in subparagraph (a), the subcontractor may demand direct payment by following the procedure in subparagraph (d) and the Contractor may file a sworn reply as provided in that same subparagraph. A demand made after the first day of the month following that for which the subcontractor performed or furnished the labor and materials for which the subcontractor seeks payment shall be valid even if delivered or mailed prior to the time payment was due on a Periodic Estimate from the Contractor. Thereafter, the City shall proceed as provided in subparagraph (e), (f) (g) and (h).

Section 8. PREVAILING WAGE REQUIREMENTS.

(2) The Contractor shall pay wages at no less than the wage rates set forth in Appendix G, incorporated as part of this Agreement: namely, State Prevailing Wage Rates; provided, however, that if any department of the City should make use of this Contract for a project which is federally funded, then the Contractor shall pay wages at the higher of the two rates. If a labor classification is not listed the Contractor shall notify DPW and request instructions. In addition, the Contractor shall:

- (1) pay wages at least once a week;
 - (2) submit payroll information on a weekly basis in a format approved by DPW, numbered in numerical sequence and signed by the Contractor (including forms for weeks when the Contractor is not on the site, in which case there shall be a notation to the effect "no work this payroll period" and a date anticipated for resuming work);
- (b) The Contractor shall submit to DPW within the first week of construction:
- (1) a list of apprenticeship programs with which the Contractor is affiliated;
 - (2) the number of apprentices on the Project employed by the Contractor.
 - (3) a list of the Contractor's employee fringe benefits;

- (4) a copy of each project schedule, including the anticipated commencement date for each Subcontractor; and
- (5) a list of each Subcontractor's suppliers and material men.

(c) The contractor shall include language similar to the above in all subcontracts.

Section 9. EQUAL EMPLOYMENT OPPORTUNITY/NONDISCRIMINATION

a) the Contractor shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, marital status, sexual orientation, national origin, age, disability, Vietnam Era veteran status or because an employee or applicant is a recipient of federal, state, or local public assistance or housing subsidies; and

b) the Contractor shall not discriminate, in any stage of the contract from award to completion, in the selection or retention of subcontractors, suppliers, and materialmen, or in the procurement of materials or supplies, or the rental of equipment, on the basis of race, religion, sex, marital status, sexual orientation, national origin, age, disability, Vietnam Era veteran status, or because an individual is a recipient of federal, state, or local public assistance or housing subsidies; and

c) the Contractor shall post an equal employment opportunity notice in conspicuous places at the worksite, shall make copies of such notice available to employees and job applicants, and shall send such notice to each labor union or representative of workers with which the Contractor has a collective bargaining agreement or other contract or understanding; and

d) the Contractor shall, to the greatest extent feasible, give employment and on-site training opportunities, to lower-income, minority, women, and disabled members of the local community and shall award subcontracts, when possible, to Minority Business Enterprises (MBE) and Women Business Enterprises (WBE).

e) the contractor shall include language similar to the above in all subcontracts.

Section 10. COPELAND ANTI-KICKBACK ACT.

If this contract is in excess of \$2,000 and is federally funded, the Contractor shall comply with the Copeland "Anti-Kickback Act" (18 U.S.C. 874 and 29 CFR Part 3) more fully set forth in Appendix G attached hereto, and shall not induce any person employed in the construction, completion, or repair of a public building or public work, to give up any part of the compensation to which he would otherwise be entitled.

Section 11. WORK HOURS AND SAFETY STANDARDS.

If this contract is in excess of \$2,000 and is federally funded, the Contractor shall comply with Sections 103 and 107 of the Contract Work Hours Safety Standards Acts (40 U.S.C. 327-333), as supplemented by Department of Labor regulations at 29 CFR part 5. To that end, the Contractor shall compute the wages of every mechanic and laborer on the basis of a standard workweek of 40 hours. Work in excess of the standard workweek is permissible, provided that the worker is compensated at a rate of not less than 1-1/2 times the basic rate of

pay for all hours worked in excess of 40 hours in the workweek. The Contractor shall ensure that no laborer or mechanic is required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous.

Section 12. CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT.

If this contract is in excess of \$100,000 and is federally funded, the Contractor shall comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401 et seq.) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251 et seq.)

Section 13. CONTRACTOR'S CERTIFICATIONS.

The Contractor hereby certifies under oath:

(a) That if this Contract is in excess of \$100,000 and is federally funded, the Contractor will abide by the Byrd Anti-Lobbying Amendment (31 U.S.C.1352), and more specifically:

(1) That no federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress, in connection with the awarding of this Federal contract and the extension, continuation, renewal, amendment, or modification of this Federal contract; and

(2) That if any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, the Contractor will complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions; and

(3) That the Contractor will include the language of this certification in all subcontracts, and that all subcontractors shall certify and disclose accordingly.

THIS CERTIFICATION IS A MATERIAL REPRESENTATION OF FACT UPON WHICH RELIANCE WAS PLACED WHEN THIS THE AWARD OF THIS CONTRACT WAS MADE. ANY PERSON WHO FAILS TO FILE THE REQUIRED CERTIFICATION SHALL BE SUBJECT TO A CIVIL PENALTY OF NOT LESS THAN \$10,000 AND NOT MORE THAN \$100,000 FOR EACH FAILURE.

(b) Drug-Free Workplace Act of 1988 (42 U.S.C. 701):

That, if this Contract is federally funded, the Contractor will provide a drug-free workplace and comply with the HUD rules contained in 24 CFR part 24M, including notification to employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited; that action will be taken against employees violating the prohibition; and that an employee who is convicted of manufacturing, distributing, dispensing, possession, or use of a controlled substance may be terminated or required to participate in a drug abuse assistance or rehabilitation program approved for such purpose by a Federal, State, or local health, law enforcement, or other appropriate agency.

(c) Debarment and Suspension: That the Contractor is a duly licensed general contractor, and

(1) That neither the Contractor nor any of its principal employees are on the General Services Administration's List of Parties Excluded from Federal Procurement or Nonprocurement Programs [E.O. 12549 and E.O. 12689 at 24 CFR part 24, applicable to contracts exceeding the small purchase threshold of fixed by 41 U.S.C. 403 (11)]; and

(2) That the Contractor has not been debarred or suspended by any state agency or city or town in the Commonwealth of Massachusetts.

(d) Organization and Authority: That the Contractor is a duly organized and validly existing _____ (corporation/general partnership/limited partnership, trust, or sole proprietorship) and is qualified to do business and is in good standing in the Commonwealth of Massachusetts; that this Contract has been duly executed and delivered on behalf of the Contractor by its _____ pursuant to and in full compliance with the authority granted by the Contractor's organizational documents and/or (in the case of a corporation) by a vote taken at duly called meeting at which a quorum was present and voting; that such authority is still in full force and effect as of the date of execution of this Contract; and that the person executing this Contract is the present holder of the title which he or she purports to hold.

(e) Noncollusion: That the bid upon which this Contract was based was made without collusion or fraud with any other person and was in all respects bona fide and fair. As used in this paragraph, the word "person" shall mean any natural person, joint venture, partnership, corporation, or other business or legal entity.

(f) Tax Compliance: That the Contractor is in full compliance with all federal and state laws relating to income taxes, and has paid all real estate and personal property/excise taxes, water charges, fines and other municipal lien charges due to the City of Somerville, and the Contractor's Federal Tax Identification Number is # _____.

Section 14. CONTRACTOR'S RECORDS.

(a) Federal Requirements: The Contractor shall permit the City, HUD and/or any other administering agency named herein, the Comptroller General of the United States, or any of their duly authorized representatives, to have access to any books, documents, papers, and records of the Contractor which are directly pertinent to a specific HUD program for the purpose of making audits, examinations, excerpts, and transcriptions.

(2) State Requirements: In accordance with G.L. Chapter 30, §39R, for contracts in an amount or estimated amount greater than \$100,000: (i) the General Contractor shall make and keep for at least six years after final payment, books, records, and accounts which in reasonable detail accurately and fairly reflect the transactions and dispositions of the Contractor; and (ii) until the expiration of six years after final payment, the office of the Inspector General and the Commissioner of Capital Asset Management and Maintenance shall have the right to examine any books, documents, papers or records of the Contractor or of his

subcontractors that directly pertain to and involve transactions relating to the Contractor or his subcontractors; and (iii) the Contractor shall describe any change in the method of maintaining records or recording transactions which materially affect any statements filed with the Awarding Authority, including in his description the date of the change and reasons therefor and shall accompany said description with a letter from the Contractor's independent certified public accountant approving or otherwise commenting on the changes; and (iv) the Contractor shall have filed a Statement of Management on Internal Accounting Controls, as described in paragraph "(1)" below prior to the execution of the Contract; and (v) the Contractor has filed prior to execution of the Contract and will continue to file annually, an Audited Financial Statement for the most recent completed fiscal year as set forth in paragraph "(2)" below.

(1) The Statement of Management on Internal Accounting Controls is a written statement certifying that the system of internal accounting controls of the Contractor and its subsidiaries reasonably assures that transactions are executed in accordance with management's general and specific authorization; that transactions are recorded as necessary to permit preparation of financial statements in conformity with generally accepted accounting principles and to maintain accountability for assets; that access to assets is permitted only in accordance with management's general or specific authorization; and that recorded accountability for assets is compared with the existing assets at reasonable intervals and appropriate action was taken with respect to any difference.

(2) The Audited Financial Statement is a statement prepared and signed by an independent certified public accountant, stating that he has examined the Statement of Management on internal accounting controls, and expressing an opinion as to (i) whether such representations of management are, in addition, reasonable with respect to transactions and assets in amount which would be material when measured in relation to the applicant's financial statements.

The Contractor shall annually file with the Commissioner of Capital Asset Management and Maintenance during the term of the contract a financial statement prepared by an independent certified public accountant on the basis of an audit by such accountant. The final statement filed shall include the date of final payment. All statements shall be accompanied by an accountants report. Such statements shall be made available to the Awarding Authority upon request.

(c) Records and statements required to be made, kept or filed under the provisions of this section shall not be public records as defined in G.L. 4, §7 or equivalent federal legislation. They shall not be made available to the public, but shall be available only to the governmental authorities named herein.

Section 15. CONFLICT OF INTEREST LAWS.

The City and the Contractor shall comply with all federal and state conflict of interest statutes and regulations.

Section 16. EVENTS OF DEFAULT.

The following shall be considered Events of Default:

a. The Contractor makes a written admission of the Contractor's inability to pay debts; or the Contractor becomes the debtor or defendant in (i) a voluntary or involuntary petition in bankruptcy, (ii) a petition for appointment of a receiver, (iii) a levy of an attachment or execution, (iv) an assignment for the benefit of creditors, (v) a winding up or dissolution of a partnership or corporation; or (vi) any other proceeding under which a court of competent jurisdiction assumes custody or control over the Contractor.

b. The Contractor fails to prosecute the work with such diligence as will, in the reasonable estimation of the City, ensure substantial completion within the time specified in the Contract Documents; and/or

c. The Contractor is in breach of the Contract Documents and has failed to cure such breach after written notice from the City specifying 1) the breach, 2) what must be done to cure the breach; and 3) the time within which the breach must be cured.

Section 17. REMEDIES UPON DEFAULT.

a. HUD Action. If the Contractor is in default, HUD and/or any other administering agency named herein may, with or without the consent of the City, cancel,

suspend, or terminate this Contract in whole or in part; require the withholding or disallowance all or part of the funding for the project; declare the contractor ineligible for further Government contracts or avail itself of any other remedies available under the law.

b. City Action. If the Contractor is in default, the City may elect to do any or all of the following: 1) temporarily withhold cash payments pending correction of the deficiency; and/or 2) terminate this Contract, and

(a) hold the Contractor and its sureties liable in damages;

(b) require the Contractor's sureties to complete the Contract;

(c) take possession and use any materials, machinery, implements, and tools on the site, without liability for loss or damage, following which use, the Contractor shall be liable for their removal from the site;

(d) complete the work using the services of another contractor (in which case the City shall have no obligation to use a competitive process to obtain the lowest contract prices) and look to the Contractor and the Contractor's sureties for the difference between the cost to complete the work and the contract sum hereunder.

Section 18. TERMINATION FOR CONVENIENCE.

(a) The City may terminate this Contract without cause, at any time, effective upon the date of termination specified by written notice to the Contractor, in which case, the Contractor shall be compensated for (1) sums due under this Contract incurred up to the date of termination for all Work performed and accepted by the City up to the termination date, calculated on a percentage completion basis covering the period of time between the last approved application for payment and the date of termination using the progress schedule and schedule of values. The

Contractor shall use its best efforts to mitigate any expenses and shall in no event incur any new obligations after the date of termination.

(1) Payment by the City as provided in this section shall be deemed to fully compensate the Contractor for all expenses and those of any consultants, subcontractors and suppliers, directly or indirectly attributable to the termination. Lost profits shall not be payable. Any such termination shall not give rise to any cause of action for damages against the City.

(b) Contractor's Duties Upon Termination For Convenience. Upon termination of this Contract without cause, the Contractor shall: (1) immediately stop the Work; (2) stop placing orders and Subcontracts in connection with this Contract; (3) cancel all existing orders and Subcontracts; (4) surrender the site to City in a safe condition; and (5) promptly transfer to City all materials, supplies, work in process, appliances, facilities, equipment and machinery of this Contract, and all work product, plans, drawings, specifications and other information and documents used in connection with Services performed under this Contract. Failure by the Contractor to comply with said duties shall relieve the City of its obligation to compensate the Contractor, as provided for under this section.

Section 19. INSURANCE

The Contractor shall obtain and maintain in full force and effect the insurance coverage required under Appendix C and shall furnish the City with current certificates of insurance **naming the City of Somerville as a certificate holder.**

Section 20. INDEMNIFICATION.

The Contractor shall indemnify, defend, and save harmless the City from and against any and all liabilities, losses, damages, costs, expenses (including reasonable attorneys' fees), causes of action, suits, claims, and demands and shall pay any judgment entered against the City on account of personal injuries or damage to property arising out of the work of this Contract.

Section 21. NOTICES.

Notices shall be in writing, and may be transmitted by mail, federal express, or fax, provided such transmittal is evidenced by a U.S. Mail or Federal Express return receipt or a fax-generated receipt showing the number to which the fax transmission was made:

(a) to the Contractor, at the address set forth in this Agreement or such other address as the Contractor may have designated from time to time in writing, or to FAX # 617-625-1344.

(b) to the City, addressed to

Purchasing Director
93 Highland Avenue
Somerville, MA 02143
or to FAX # 617-625-1344

Notices shall be deemed given when mailed or faxed.

Section 22. MODIFICATION.

No amendment or modification to this Agreement shall take effect unless it is in writing, signed by all parties.

Section 23. ASSIGNMENT/SUBCONTRACTING.

The Contractor shall not assign or subcontract this Agreement or any portion of the work without the prior written consent of the City.

Section 24. GOVERNING LAW.

This Agreement shall be governed by the laws of the Commonwealth of Massachusetts and the United States of America.

Section 25. SEVERABILITY.

In the event that any provision of this Agreement is found to be legally unenforceable, the remainder of the Agreement shall remain in full force and effect.

Section 26. NON-APPLICABILITY OF FEDERAL REQUIREMENTS.

If this section is checked, it means that this contract has not been funded with federal funds and the obligations and requirements under federal law which are set forth in this contract do not apply.

☒ X (check here)

SPECIAL PROVISIONS

Completion Date

This contract will be in effect one year from the date of contract award.

Bonds

A labor and materials bond in the amount of \$25,000 will be required by the successful bidder.

Note: The successful bidder agree that if he is selected as the contractor, he will, within five (5) days, Saturdays, Sundays and legal holidays excluded, after presentation thereof by the Awarding Authority, execute a contract in accordance with the terms of this bid and furnish a labor and materials bond from a surety company qualified to do business under the laws of the Commonwealth of Massachusetts and satisfactory to the Award Authority in the amount stated.

Insurance

The contractor must provide the following insurance certificates before the contract can be fully executed:

| | |
|------------------------|----------------------------|
| General Liability: | \$2,000,000 |
| Automobile: | \$2,000,000 |
| Workers' Compensation: | as required by General Law |

The Certificates of Insurance must show the City of Somerville as the Certificate Holder and as Additional Insured. Should any policies be cancelled before the expiration date, the issuing company must send written notice to the City 30 days prior to cancellation.

Prevailing Wage Law

Bidders will be required to comply with the Prevailing Wage Laws, M.G.L. c. 149. Every bidder will be required to submit a certified payroll to the City every week. The City will take an active roll in reviewing and monitoring these payrolls weekly. If the City suspects any violations, the City will report them to the Attorney General's Fair Labor and Business Practices Division. The Attorney General's office, after conducting an investigation and a hearing can order the bidder to halt work, if it finds prevailing wage violations. Within fifteen days after completion of its portion of the work, the bidder must submit a Statement of Compliance with the prevailing wage law. The City reserves the right to conduct hearings on bids that are significantly below the average bid price submitted on a project, to make findings of fact, and determinations. Weekly payrolls are public records and the bidder shall make them available upon request. The bidder is required to keep these records for a period of three years from the date of completion of this contract.

GENERAL TERMS AND CONDITIONS

1. CONTRACTOR'S OBLIGATION

The Contractor shall and will, in good workmanlike manner, do and perform all work and furnish all supplies and materials, machinery, equipment, facilities and means, except as herein otherwise expressly specified, necessary or proper to perform and complete all the work required by this contract, within the time herein specified, in accordance with the provisions of this contract and said specifications and in accordance with the plans and drawings, and in accordance with the directions of the Design Professional or DPW as given from time to time during the progress of the work. He shall furnish, erect, maintain and remove such construction plant and such temporary works as may be required.

The Contractor shall observe, comply with and be subject to all terms, conditions, requirements and limitations of the contract and specifications, and shall do, carry on and complete the entire work to the satisfaction of the Design Professional and DPW.

2. PERFORMANCE/PAYMENT BONDS

The Contractor shall furnish a performance bond in an amount at least equal to one hundred percent (100%) of the contract price as security for the faithful performance of this Contract and also a payment bond in an amount not less than one hundred percent (100%) of the contract price or in a penal sum not less than that prescribed by State, territorial or local law, as security for payment of all persons performing labor on the project under this contract and furnishing materials in connection with this contract. The performance bond and the payment bond may be in one or in separate instruments in accordance with local law, and shall to the extent feasible be in the form developed by the American Institute of Architects (AIA).

3. DESIGN PROFESSIONAL'S AUTHORITY

The Design Professional shall give orders and directions contemplated under the contract and specifications, relative to the execution of the work. The Design Professional shall determine the amount, quality, acceptability and fitness of several kinds of work and the construction thereof. The Design Professional's estimates and decisions shall be final and conclusive, except as herein otherwise expressly provided. In case any questions shall arise between the parties hereto relative to said contract or specifications, the determination or decision of the Design Professional shall be a condition precedent to the right of the Contractor to receive any money or payment for work under this contract affected in any manner or to any extent by such question. The Design Professional shall decide the meaning and intent of any portion of the specifications and of any plans or drawings where the same may be found obscure or be in dispute. Any differences or conflicts in regard to their work which may arise between the Contractor under this contract and other Contractors performing work for DPW shall be adjusted and determined by the Design Professional. In accordance with Chapter 30, section 30P of the General Laws the Design Professional's decision on interpretation of the specifications, approval of equipment or material, or any other approval, or progress of the work, shall be made promptly and, in any event, no later than thirty days after a written submission for decision; but if such decision requires extended investigation and study, the Awarding Authority or the Design Professional shall give the party making the submission written notice of the reasons why the decision cannot be made within the thirty day period and the date by which the decision will be made.

4. SUBCONTRACTING

- a. The Contractor may utilize the services of specialty subcontractors on those parts of the work which, under normal contracting practices, are performed by specialty subcontractors, subject to the provisions of this section.
- b. The Contractor shall not award any work to any subcontractor without prior written approval of DPW, which approval will not be given until the Contractor submits a written approval statement concerning the proposed award to the subcontractor, which statement shall contain such information as DPW may require. All subcontracts subject to Mass. General laws, Chapter 149, Sections 44A-J, shall comply with the filed sub-bid requirements of that statute.
- c. The Contractor shall be as fully responsible for the acts and omissions of his subcontractors, and of persons either directly or indirectly employed by them, as he is for the acts and omissions of persons directly employed by him.
- d. The Contractor shall cause appropriate provisions to be inserted in all subcontracts relative to the work to bind subcontractors to the Contractor by the Terms of the General Conditions and other contract documents insofar as applicable to the work of subcontractors and to give the Contractor the same power as regards terminating any subcontract that DPW may exercise over the Contractor under any provision of the contract documents.
- e. Nothing contained in this contract shall create any contractual relation between any subcontractor and DPW.

5. PERMITS AND CODES

- a. It shall be the Contractor's responsibility to obtain and pay for all permits required in connection with the work. Unless otherwise agreed by the Awarding Authority in writing, the Contractor shall, prior to commencement of the work, (i) meet with the City of Somerville Inspectional Services Department to determine what permits are needed for the work; (ii) obtain all such permits; and (iii) provide copies of such permits to the Awarding Authority. Permits shall include, without limitation, demolition, foundation, digsafe, and building permits; permits for removal, sealing up, or installation of utilities, including gas, electrical, water and sewer; and permits for obstructing public streets and sidewalks.
- b. The Contractor shall comply with all state and local laws, ordinances, and codes. Before installing any work, the Contractor shall examine the Drawings and Technical Specifications for compliance with applicable laws, ordinances, and codes and shall immediately report any discrepancy to OHCD. Where the requirements of the Drawings and Technical Specification fail to comply with applicable laws, ordinances, or codes, OHCD will adjust the Contract by change order to conform to such laws, ordinances or codes (unless waivers in writing covering the differences have been granted by the governing body or department) and make appropriate adjustment in the Contract Price or stipulated unit prices. Should the Contractor fail to observe the foregoing provisions and proceed with the construction, (notwithstanding the fact that such construction is in compliance with the

Drawings and Technical Specifications), the Contractor shall remove such work without cost to OHCD, and a change order will be issued to cover only the excess cost that the Contractor would have been entitled to receive if the change had been made before the Contractor commenced work on the items involved.

- c. Notwithstanding the generality of the foregoing, the Contractor shall comply with federal, state and local laws, ordinances, and codes governing the disposal of excavation materials, and debris and rubbish on and off the Project site.

6. ADDITIONAL INSTRUCTIONS AND DETAIL DRAWINGS

The Contractor will be furnished additional instructions and detail drawings as necessary to carry out the work included in the contract. The additional drawings and instructions thus supplied to the Contractor will coordinate with the Contract Documents and will be so prepared that they can be reasonably interpreted as part thereof. The Contractor shall carry out the work in accordance with the additional detail drawings and instructions. The Contractor and the Design Professional or DPW will prepare jointly (a) a schedule, fixing the dates at which special detail drawings will be required, such drawings, if any, to be furnished by the Design Professional or DPW in accordance with said schedule, and (b) a schedule fixing the dates for the submission of shop drawings, the beginning of manufacture, testing and installation of materials, supplies and equipment, and the completion of the various parts of the work; each such schedule to be subject to change from time to time in accordance with the progress of the work.

7. TECHNICAL SPECIFICATIONS AND DRAWINGS

Anything mentioned in the Technical Specifications and not shown on the Drawings, or shown on the Drawings and not mentioned in the Technical Specifications, shall be of like effect as if shown on or mentioned in both. In case of any discrepancy in Drawings, or Technical Specifications, the matter shall be immediately submitted to the Designer or DPW for a decision. Said discrepancy shall not be adjusted by the Contractor, save only at his own risk and expense.

8. SHOP DRAWINGS

- a. All required shop drawings, machinery, details, layout drawings, etc. shall be submitted to the Designer or DPW for approval sufficiently in advance of requirements to afford ample time for checking, including time for correcting, resubmitting and rechecking if necessary. The Contractor may proceed, only at his own risk and expense, with manufacture or installation of any equipment or work covered by said shop drawings, etc. until they are approved, and no claim by the Contractor for extension of the Contract time will be granted by reason of his failure in this respect.
- b. Any drawings submitted without the Contractor's stamp of approval will not be considered and will be returned to him for proper resubmission. If any drawings show variations from the requirements of the Contract because of standard shop practice or other reason, the Contractor shall make specific mention of such variation in his letter of transmittal in order that, if acceptable, suitable action may be taken for proper adjustment of Contract price and/or time. Otherwise the Contractor will not be relieved of the

responsibility for executing the work in accordance with the Contract even though the drawings have been approved.

c. If a shop drawing is in accord with the Contractor or involves only a minor adjustment in the interest of DPW not involving a change in Contract price or time, the Designer or DPW may approve the drawing. The approval shall be general and shall not relieve the Contractor from his responsibility for adherence to the contract or for any error in the drawing and shall contain in substance the following: "The modification shown on the attached drawing is approved in the interest of DPW to affect an improvement for the Project and is ordered with the understanding that it does not involve any change in the Contract Price or time; that it is subject generally to all Contract stipulation and covenants; and that it is without prejudice to any and all rights of DPW under the Contract and surety bond or bonds."

9. MATERIALS AND WORKMANSHIP

a. Unless otherwise specifically provided for in the Technical Specifications, all workmanship, equipment, materials and articles incorporated in the work shall be new and the best grade of the respective kinds for the purpose. Where equipment, materials, articles or workmanship are referred to in the Technical Specifications as "equal to" any particular standard, the Designer shall decide the question of equality.

b. The Contractor shall furnish to DPW for approval the manufacturer's detailed specifications for all machinery, mechanical equipment and other equipment articles and materials, together with complete information as to type, performance characteristics, and all other pertinent information. Machinery, mechanical and other equipment, materials or articles installed or used without such prior approval shall be at the risk of subsequent rejections.

c. Materials specified by reference to the number or symbol of a specific standard, such as an A.S.T.M. Standard, or a Federal Specification or other similar standard, shall comply with requirements in the latest revision thereof and any amendment or supplement thereto in effect on the date of the invitation for Bids, except as limited to type, class or grade, or modified in such reference. The standards referred to, except as modified in the Technical Specifications, shall have full force and effect as though printed therein.

f. DPW may require the Contractor to dismiss from the work such employee or employees as, DPW or the Designer may deem incompetent, careless, or insubordinate.

10. SAMPLES

a. The Contractor shall promptly submit all material and equipment samples called for in the Contract Documents or required by the Designer or DPW. No such material or equipment shall be manufactured or delivered to the site, except at the Contractor's own risk and expense, until the required samples have been approved in writing by DPW or the Designer. Any delay in the work caused by late or improper submission of samples for approval shall not be considered just cause for an extension of the contract time.

Each sample submitted by the Contractor shall carry a label giving the name of the Contractor, the project for which it is intended, and the name of the producer. The

accompanying letter from the Contractor shall state that the sample complies with Contract requirements, shall give the name and brand of the product, its place of origin, the name and address of the producer and all specifications or other detailed information which will assist the Designer in passing upon the acceptability of the sample promptly. It shall also state that all materials or equipment furnished for use in the project will comply with the sample.

b. Approval of any sample shall be general only and shall not constitute a waiver of DPW's right to demand full compliance with Contract requirements. After actual deliveries, the Designer will have such check tests made as he deems necessary in each instance and may reject materials and equipment for cause, even though such materials and equipment have been given general approval. If materials or equipment which fail to meet check tests have been incorporated in the work, the Designer will have the right to cause their removal and replacement by proper materials and equipment or to demand and secure such reparation by the Contractor as is equitable.

c. Except as otherwise specifically stated in the Contract, the costs of samples and tests will be as follows:

- (1) The Contractor shall furnish without extra cost, including packing and delivery charges, all samples required for testing purposes, except those samples taken on the Project by the Designer.
- (2) The Contractor shall assume all costs of retesting materials which fail to meet contract requirement.
- (3) The Contractor shall assume all costs of testing materials offered in substitution for those found deficient.

11. INSPECTION OF THE WORK

a. All materials and workmanship shall be subject to inspection, examination, and/or testing by DPW or its designated representative. DPW shall have the right to reject defective material and workmanship and require it to be promptly segregated and removed from the Project Area and replaced with materials and workmanship of specified quality without charge. If the Contractor fails to proceed at once with the correction of rejected materials and workmanship, DPW may proceed to correct the work itself and charge the cost of the same against any monies which may be due the Contractor, without prejudice to any other rights or remedies of DPW.

b. The Contractor shall furnish promptly all materials reasonably necessary for any tests which may be required. All tests will be performed in such manner as not to delay the work unnecessarily and will be made in accordance with the provisions of the Technical Specifications.

c. The Contractor shall notify DPW sufficiently in advance of covering or concealing any work in order to permit proper inspection. If any work is covered or concealed without the consent of DPW, the Contractor shall uncover and recover such work for inspection at the contractor's expense, when so requested by DPW. Should it be considered necessary or advisable by DPW to examine work already completed and covered, the Contractor shall on

request promptly uncover said work. If such work is found to be defective in any important or essential respect the Contractor shall defray all the expenses of such examination and of satisfactory reconstruction. If, however, such work is found to meet the requirements of the Contract, the actual cost of labor and material necessarily involved in the examination and replacement, plus an additional amount equal to that allowed for change orders shall be allowed the Contractor and he shall, in addition, if completion of the work of the entire Contract has been delayed thereby, be granted a suitable extension of time on account of the additional work involved.

d. Whenever the quantity justifies it, inspections of work may be made at the place of production, manufacture or shipment, in which case, acceptance shall be final, except as regards (1) latent defects, (2) damage or loss in transit; or (3) fraud or such gross mistakes as amount to fraud. Otherwise, inspections of materials shall take place at the Project Site.

e. No examination, inspection, or testing, by DPW or its agent shall relieve the Contractor or the Contractor's sureties of liability for defective materials or workmanship.

f. Any inspection party may include one or more HUD representatives and one or more representatives of each department of the City having jurisdiction over the work being inspected.

12. DEDUCTION FOR INCORRECTED WORK

If DPW deems it expedient not to require the Contractor to correct work not done in accordance with the Contract Documents, an equitable deduction from the Contract Price will be made by agreement between the Contractor and DPW. Any dispute regarding such deduction shall be subject to settlement, in case of dispute, as herein provided.

13. CONSTRUCTION SUPERINTENDENT

At the site of the work the Contractor shall employ a construction superintendent or foreman who shall have full authority to act for the Contractor. Such representative shall be acceptable to the Design Professional or DPW and shall continue in that capacity for the duration of the job unless he ceases to be on the Contractor's payroll.

14. ACCIDENT PREVENTION

a. The Contractor shall exercise proper precaution at all times for the protection of persons and property and shall be responsible for all damages to persons or property, either on or off the site, which occur as a result of his prosecution of the work. The safety provisions of applicable laws and building and construction codes shall be observed and the Contractor shall take or cause to be taken such additional safety and health measures as DPW may determine to be reasonably necessary. Machinery, equipment and all hazards shall be guarded in accordance with the safety provisions of the "Manual of Accident Prevention in Construction" published by the Associated General Contractors of America, Inc., to the extent that such provisions are not in conflict with applicable local laws.

b. The Contractor shall indemnify and save harmless DPW from any claims for damages resulting from personal injury and/or death suffered or alleged to have been suffered by any person as a result of any work conducted under this Contract.

15. EXISTING UTILITY LINES

Should the Contractor in the execution of his work uncover or discover utility service lines not indicated on the relevant drawings, or that do not show signs of singular service to any existing structures being demolished, the Contractor shall cease work in that area immediately and promptly notify the Public Works Department. Within forty-eight hours, the Public Works Department will inspect the site and issue written instructions to the Contractor. The Contractor shall proceed with only after such written instructions have been received and shall proceed in full compliance with such instructions.

The above mentioned situation or similar circumstances and/or modification if any, shall not relieve the Contractor from his responsibilities in this Contract and also it is without prejudice to any and all rights of DPW covering this said contract and surety or bonds.

16. CARE OF WORK

a. The Contractor shall be responsible for all damages to persons or property that occur as a result of the Contractor's fault or negligence in connection with the prosecution of the work and shall be responsible for the proper care and protection of all materials delivered and work performed until completion and final acceptance by DPW.

b. The Contractor shall provide sufficient competent watchmen, both day and night, including Saturdays, Sundays and holidays, as necessary, from the time the work is commenced until final completion and acceptance. Sufficient lighting shall be provided to aid in the prevention of injury to passersby or vandalism to the property or other illegal activities.

c. In an emergency affecting the safety of life or property, including adjoining property, the Contractor, without special instructions or authorization from DPW is authorized to act at his discretion to prevent such threatened loss or injury, and he shall so act. He shall likewise act if instructed to do so by DPW. Any compensation claimed by the Contractor on account of such emergency work will be determined by DPW as provided in the Section - CHANGES IN THE WORK.

d. The Contractor shall avoid damage as a result of its operations to existing sidewalks, streets, curbs, pavements, utilities (except those which are to be replaced or removed), adjoining property, etc. and the Contractor shall at its own expense completely repair any damage thereto caused by its operations.

e. The Contractor shall shore up, brace, underpin, secure, and protect as may be necessary, all foundations and other parts of existing structure adjacent to, adjoining, and in the vicinity of the site, which may be in any way affected by the excavations or other operations connected with the construction of the improvements embraced in this Contract. The Contractor shall be responsible for the giving of any and all required notices to any adjoining or adjacent property owner or other party before the commencement of work. The Contractor shall indemnify and save harmless the City of Somerville and/or DPW from any liability for damages on account of settlement or the loss of lateral support of adjoining property resulting from the Contractor's failure to comply with this section.

17. WEATHER PROTECTION

a. In the event of temporary suspension of work, during inclement weather, the Contractor will carefully protect and will cause his subcontractors to carefully protect all work and materials against damage or injury from the weather. If, in the opinion of the Design Professional or DPW, any work or materials shall have been damaged or injured by reason of failure on the part of the Contractor or any of his Subcontractors so to protect the work, such work or materials shall be removed and replaced at the expense of the Contractor.

b. It is the intent of these Specifications to require that, in all Chapter 149, s. 94A contracts, the General Contractor shall provide temporary enclosures and heat to permit construction work to be carried on during the months of November through March in compliance with M.G.L. Chapter 149, Section 44D (G). These Specifications are not to be construed as requiring enclosures or heat for operations that are not economically feasible to protect in the judgment of DPW. Included in the preceding category, without limitation, are such items as site work, excavation, pile driving, steel erection, erection of certain "exterior" wall panels, roofing, and similar operation:

(1) "WEATHER PROTECTION" shall mean the temporary protection of that work adversely affected by moisture, wind and cold, by covering, enclosing and/or heating. This protection shall provide adequate working areas during the months of November through March as determined by the Design Professional and consistent with the approved construction schedule to permit the continuous progress of all work necessary to maintain an orderly and efficient sequence of construction operations. The General Contractor shall furnish and install all "Weather Protection" material and be responsible for all costs, including heating required to maintain a minimum temperature of 40 degrees F, at the working surface. This provision does not supersede any specific requirements for methods of construction, curing of materials or the applicable General Conditions set forth in the Contract Articles with added regard to performance obligations of the Contractor.

(2) Within 30 calendar days after his award of contract, the General Contractor shall submit in writing to DPW for approval, three copies of his proposed methods for "Weather Protection".

(3) Installation of weather protection and heating devices shall comply with all safety regulations including provisions for adequate ventilation and fire protection devices. Heating devices which may cause damage to finish surfaces shall not be used.

(4) The General Contractor shall furnish and install one accurate Fahrenheit thermometer at each work area as designated by the Designer. However, one additional accurate Fahrenheit thermometer shall be provided for every 2,000 square feet of floor space where the work areas exceed 2,000 square feet.

18. SANITARY FACILITIES

The Contractor shall furnish, install and/or maintain ample sanitary facilities for the workmen. As the needs arise, a sufficient number of enclosed temporary toilets shall be conveniently placed as required by the sanitary codes of the State and Local

Government. Drinking water shall be provided from an approved source, so piped or transported as to keep it safe and fresh and served from single service containers or satisfactory types of sanitary drinking stands or fountains. All such facilities and services shall be furnished in strict accordance with existing and governing health regulations. Nothing in this Section shall be construed as forbidding the use of facilities available in existing buildings on the job site if they meet the above requirements and the use of them will not interfere with the progress of the work.

19. USE OF PREMISES AND REMOVAL OF DEBRIS

The Contractor expressly undertakes at his own expense:

a. to store his apparatus, materials, supplies and equipment in such orderly fashion at the site of the work as will not unduly interfere with the progress of his work or the work of any other contractors;

b. to place upon the work or any part thereof, only such loads as are consistent with the safety of that portion of the work.

c. to clean up frequently all refuse, rubbish, scrap materials and debris caused by his operations, to the end that at all times the site of the work shall present a neat, orderly and workmanlike appearance.

d. before final payment to remove all surplus material, false work, temporary structure, including foundations thereof, plant of any description and debris of every nature resulting from this operations, and to put the site in a neat, orderly condition.

e. to effect all cutting, fitting or patching of his work required to make the same to conform to the plans and specifications and, except with the consent of the Design Professional or DPW not to cut or otherwise work of any other contractor.

20. COORDINATION WITH OTHER CONTRACTORS

The Contractor shall coordinate his operations with those of other Contractors. Cooperation will be required in the arrangement for the storage of materials and in the detailed execution of work. The Contractor, including his subcontractors, shall keep informed of the progress and the detail work of other Contractors and shall notify the Design Professional or DPW immediately of lack of progress or defective workmanship on the part of other Contractors. Failure of a contractor to keep informed of the work progressing on the site and failure to give notice of lack of progress or defective workmanship by others shall be construed as acceptance by him of the status of the work as being satisfactory for proper coordination with his own work.

21. QUANTITIES OR ESTIMATES

Wherever the estimated quantities of work to be done and materials to be furnished under this contract are shown in any of the documents including the proposal, they are given for use in comparing bids and the right is especially reserved herein otherwise specifically limited, to increase or diminish them as may be deemed reasonably

necessary or desirable by DPW to complete the work contemplated by the contract, nor shall any such increases or diminution shall in no way violate this contract, nor shall any such increase or diminution give cause for claims or liability for damages.

22. DISPUTES

a. All disputes arising under this Contract or its interpretation, whether involving law of fact or both, or extra work, and all claims for alleged breach of Contract shall within ten (10) days of commencement of the dispute be presented by the Contractor to DPW for decision. All papers pertaining to claims shall state the facts surrounding the claims in sufficient detail to identify the claim, with its character and scope. In the meantime, the Contractor shall proceed with the work as directed. Any claim not presented within the time limit specified in this paragraph shall be deemed to have been waived, except that if the claim is of a continuing character and notice of the claim is not given within ten (10) days of its commencement, the claim will be considered only for a period commencing ten (10) days prior to the receipt by DPW of notice thereof.

b. The Contractor shall submit proof of the Contractor's claim in detail. Each decision by DPW will be in writing and will be mailed to the Contractor by registered or certified mail, return receipt requested.

c. If the Contractor does not agree with DPW's decision the Contractor shall not delay the work, but shall notify DPW promptly that he is proceeding with the work under protest and he may then except the matter in question from the final release.

23. LAND AND RIGHTS-OF-WAY

Prior to the start of construction, DPW shall obtain all lands and rights-of-way necessary for the carrying out and completion of work to be performed under this contract.

24. WARRANTY OF TITLE

No material, supplies, or equipment to be installed as part of the work shall be purchased subject to any chattel mortgage or under a conditional sale or other agreement by which an interest therein or in any part thereof is retained by the seller or supplier. The Contractor shall warrant good title to all materials, supplies, and equipment installed or incorporated in the work and, upon completion of all work, shall deliver the same to DPW free from any claims, liens, or charges. Neither the Contractor nor any person, furnishing any material or labor for any work covered by this Contract shall have any right to a lien. Nothing contained in this paragraph, however, shall defeat or impair the right of persons furnishing materials or labor to recover under any bond given by the Contractor for their protection, or to recover under any laws permitting such persons to look to funds due the Contractor in the hands of DPW. The provisions of this paragraph shall be given to all persons furnishing materials for the work when no formal contract is entered into for such materials.

25. GENERAL GUARANTY

Neither the final certificate of payment nor any provision in the Contract Documents, nor partial or entire occupancy of the premises by DPW shall constitute any acceptance of

work not done in accordance with the Contract Documents or relieve the Contractor of liability in respect to any express warranties or responsibility for faulty materials or workmanship. The Contractor shall remedy any defects in the work and pay for any damage to other work resulting therefrom, which shall appear within a period of one year from the date of final acceptance of the work unless a longer period is specified. DPW will give notice of observed defects with reasonable promptness.

26. REVIEW OF RECORDS

DPW, its authorized representative and agents and the HUD Representative for the Secretary shall, at all times have access to and be permitted to observe and review all work materials, equipment, payrolls, personnel records, employment conditions, material invoices, and other relevant data and records pertaining to this Contract, provided, however, that all instructions and approval with respect to the work will be given to the Contractor only by DPW through its authorized representatives or agents.