

TOWN OF PLYMOUTH
PROCUREMENT DIVISION
11 LINCOLN STREET
PLYMOUTH, MASSACHUSETTS 02360

BID 21512, SIDEWALK CONSTRUCTION

Issued: March 5, 2015
Due: March 19, 2015 at 2:30PM

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TOWN OF PLYMOUTH
11 Lincoln Street
Plymouth, Massachusetts 02360

March 5, 2015

INVITATION FOR BID 21512

A. INVITATION

Sealed bids are requested by the Town of Plymouth for Sidewalk Construction, repair and related work.

Bids are to be submitted by 2:30 p.m., Thursday, March 19, 2015, at which time they will be publicly opened and read. Postmarks will not be considered. All bids must be sealed and made upon forms furnished by the Procurement Division. Bids submitted on any other form will not be accepted as valid bids. Envelopes should be clearly marked "Bid 21512 Sidewalk Construction"

All work done under this Contract shall be in conformance with the latest version of the Commonwealth of Massachusetts "Standard Specifications" which hereafter shall include but not be limited to the Massachusetts Highway Department Standard Specifications for Highways and Bridges dated 1988, as amended, the Supplemental Specifications dated June 15, 2012, the 2012 Construction Standard Details, the 1996 Construction and Traffic Standard Details (as relates to traffic standard details only); the 2009 Manual on Uniform Traffic Control Devices for Streets and Highways with Massachusetts Amendments and the Standard Municipal Traffic Code; the 1990 Standard Drawings for Signs and Supports, the 1968 Standard Drawings for Traffic Signals and Highway Lighting, and the latest edition of American Standard for Nursery Stock will govern. All work done under this Contract shall also be in conformance with the Plans and these Technical Specifications.

All bids are subject to the provisions of M.G.L. Chapter 30, §39M, and these bid and contract documents.

Contract Period:

The agreement shall be for the period of contract execution through December 31, 2015. At the sole discretion of the Town, and subject to appropriation of funds, this agreement may be extended for the period 1/1/2016 through 12/31/2016.

Rule for Award:

The contract will be awarded to the responsive, responsible and eligible bidder offering the lowest total bid price, including alternates, if any, selected by the Town.

Bid Deposit:

Bid deposit is required in the amount of five percent (5%) of the total amount of the bid, including any and all alternates. Such bid deposit shall be in the form of a Cashier's, Certified, or Bank Treasurer's check payable to the Town of Plymouth or a bid bond from a

licensed surety company qualified to do business in the Commonwealth of Massachusetts and satisfactory to the Town. All bid deposits except for those of the three lowest responsible and eligible bidders shall be returned within seven days of contract award. The remaining bid deposits will be returned upon execution of a contract and presentment of all bonds by the successful low bidder.

Pre-Bid Conference: N/A

Mass DOT Prequalification:

Only prospective bidders pre-qualified by the Commonwealth of Massachusetts Department of Transportation, pursuant to Section 8B of Chapter 29 of the Massachusetts General Laws, are eligible to take out official bid documents.

Prevailing Wage Rates:

This bid is subject to Section 39M of Chapter 30 and Sections 26 to 27G and Section 29 of Chapter 149 of the Massachusetts General Laws as amended, including prevailing wage rates as determined by the Commissioner of Labor and Industries that must be paid on this contract. A copy of said rates is contained herein. Each Contractor and/or subcontractor shall preserve its payroll records for a period of three (3) years from the date of completion of the contract, and shall furnish to the Commissioner within fifteen (15) days a statement of compliance, a copy of which is enclosed herein. In addition, each contractor and/or subcontract must submit a copy of their weekly payroll records to the Procurement Division on a weekly basis. A copy of the Weekly Payroll Report Form that is to be used in also included herein.

Prevailing wage rate sheets shall be updated annually. The contractor shall not be eligible for an adjustment to the contract price on account of any changes in the prevailing wage rates applicable to the project.

Labor and Materials Bond:

This bid is subject to Section 39M of Chapter 30 and Sections 26 to 27G and Section 29 of Chapter 149 of the Massachusetts General Laws as amended, including the requirement for a payment bond. The successful bidder must furnish a bond in an amount of Fifty Percent (50%) of the total contract price for payment of labor performed or furnished and material used or employed therein, payable to the Town of Plymouth, issued by a responsible surety company qualified to do business in the Commonwealth of Massachusetts and satisfactory to the Town, the premiums of which are to be paid by the Contractor and included in the bid price.

Performance Bond:

The successful bidder must furnish a One Hundred Percent (100%) Construction performance Bond, payable to the Town of Plymouth, issued by a responsible surety company qualified to do business in the Commonwealth of Massachusetts and satisfactory to the Town, the premiums of which are to be paid by the Contractor and included in the bid price.

GENERAL INFORMATION

A. GENERAL CONDITIONS

1. All bids shall be based on the quantities set forth in the Invitation for Bid. These quantities shall be used as a basis for comparison of the bids. The quantities are based on estimates of the work to be performed during the term of this Contract; however, the Town does not expressly or by implication agree or warrant that the actual amount of work will correspond with such estimates and the Town reserves the right to increase or decrease the amount of any class or portion of the work as it may deem necessary, without change of price per unit, which unit prices shall be used for increases and decreases (credits) for adjustments in the quantity of work required.
2. The Town of Plymouth reserves the right to reject all bids, to waive informalities, to advertise for new bids and, if the Invitation for Bids states that more than one contract may be awarded, to split awards as may be deemed to be in the best interests of the Town. The contract or contracts will be awarded by the Town within thirty (30) business days after opening bids. The Town reserves the right to require samples of materials for inspection and testing.
3. The successful bidder cannot assign or subcontract, in whole or in part, the contract or any work thereunder without Town's prior written consent, which the Town may withhold in its sole discretion.
4. All words, signatures and figures submitted on the bid shall be in ink. Bids which are conditional, obscure or which contain additions not called for, erasures, alterations or irregularities, or any prices which contain abnormally high or low prices for any item, may be rejected. More than one bid from the same bidder will not be considered.
5. Each bid is subject to Section 39M of Chapter 30 and Sections 26 to 27G and Section 29 of Chapter 149 of the Massachusetts General Laws as amended, including but not limited to the following:

a. Prevailing Wage Rates

Prevailing wage rates as determined by the Commissioner of Labor and Industries must be paid on this contract. A copy of said rates is contained herein. Each Contractor and subcontractor shall preserve its payroll records for a period of three (3) years from this date of completion of the contract, and shall furnish to the Owner within fifteen (15) days of completion of its portion of the work a statement of compliance, a copy of which is enclosed herein. In addition, each contractor and/or subcontractor must submit a copy of their weekly payroll records to the Town Manager's Office on a weekly basis. A copy of the Weekly Payroll Report Form that is to be used in also included herein.

Prevailing wage rates will be updated annually; however, the contractor shall not be entitled to any additional compensation

on account of any adjustments in such rates.

b. Performance Bond

The successful bidder must furnish a Construction Performance Bond, payable to the Town of Plymouth, issued by a responsible surety company qualified to do business in the Commonwealth of Massachusetts and satisfactory to the Town, the premiums of which are to be paid by the Contractor and included in the bid price.

c. Payment Bond

The successful bidder must furnish a bond for payment of labor performed or furnished and material used or employed therein, payable to the Town of Plymouth, issued by a responsible surety company qualified to do business in the Commonwealth of Massachusetts and satisfactory to the Town, the premiums of which are to be paid by the Contractor and included in the bid price.

6. Each bid shall be accompanied by a bid deposit in the amount of 5 percent of the total bid price, including any alternates. Such bid deposit shall be in the form of a cashier's check, certified check, or bank treasurer's check payable to the Town of Plymouth or a bid bond from a licensed surety company qualified to do business in Massachusetts and satisfactory to the Town. Failure to include this bid deposit will result in the rejection of the bid. Such deposits will be returned to all except the three lowest responsible and eligible bidders within seven (7) days of contract award. The remaining bid deposits will be returned after the Town and the successful bidder have executed the Contract, and such bidder has furnished all required bonds. In case of default, the bid deposit shall be forfeited to the Town.
7. The successful bidder shall comply with all applicable federal, state, and local laws and regulations.
8. The Town's policy on awarding bids to bidders with identical prices states: "When bids for goods and services are requested and received by the Town, the award is made to the lowest responsive and responsible bidder. If two or more bid prices are identical and all tied bidders are responsive and responsible, an award will be made according to the first of these three conditions to apply:
 1. Past service to the Town; if one of the tied bidders has provided this or similar service in a satisfactory manner in the past, it will be awarded to that bidder;
 2. A bidder based in Plymouth
 3. Random selection - flip of a coin or drawing of more than two are tied."

Each bidder, by submitting a bid, agrees to the above policy and its use in the event of a tie.

9. Purchases made by the Town are exempt from sales taxes and bid prices must exclude any such taxes. Tax exemption certificates will be furnished upon request.

10. Oral orders are not binding on the Town and deliveries made or work done without formal Purchase Order or Contract are at the risk of the Seller or Contractor and may result in an unenforceable claim.
11. "Equal" - An item "equal" to that named or described in the specifications of the contract may be furnished by the Contractor and the naming of any commercial name, trademark, item or manufacturer not mentioned by name or as limiting competition, but shall establish a standard of equality only. An item shall be considered equal to the item so named or described if (1) it is at least equal in quality, durability, appearance, strength and design, (2) it will perform at least equally the function imposed by the general design for the work being contracted for or the material being purchased, and (3) it conforms substantially, even with deviations, to the detailed requirements for the item in the specifications. The name and identification of all materials other than the one specifically named shall be submitted to the Town for approval, prior to purchase, use or fabrication of such items. Subject to the provisions of Section 39J of Chapter 30 of the Massachusetts General Laws, approval shall be at the sole discretion of the Town, shall be in writing to be effective, and the decision of the Town shall be final. The Town may require tests of all materials so submitted to establish quality standards at the Contractor's expense. All directions, specifications and recommendations by manufacturers for the installation, handling, storing, adjustment and operation of their equipment shall be complied with; responsibility for proper performance shall continue to rest with the Contractor.

For the use of material other than the one specified, the Contractor shall assume the cost of and responsibility for satisfactorily accomplishing all changes in the work as shown or as necessary. If no manufacturer is named, the Contractor shall submit the product for intended use for approval of the Town.

Except as otherwise provided for by the provisions of Section 39J of Chapter 30 of the Massachusetts General Laws, the Contractor shall not have any right of appeal from the decision of the Town condemning any materials furnished if the Contractor fails to obtain the approval for substitution under this clause. If any substitution is more costly, the Contractor shall pay for such costs.

12. No charges will be allowed for packing, crating, freight, express, transportation, shipping or cartage. Delivery location shall be as specified in the Contract or on the Purchase Order.
13. In addition to any other rights, remedies, and warranties available to the Town: The Contractor warrants that its work shall be free of defects in materials and workmanship for a period of one year from the date of final completion/acceptance, and shall replace, repair or make good, without costs to the Town, defects or faults arising within such one (1) year period.

14. The Contractor shall not discriminate against any person on the grounds of race, color, marital status, physical disability, age, sex, sexual orientation, religion, ancestry, or national origin in any manner prohibited by the laws of the United States, the Commonwealth, or the Town of Plymouth.
15. If funds under G.L. c. 90 are used to pay for any of the Work, a Price Adjustment clause for Hot Mix Asphalt Mixtures shall apply to the contract. (If such funds are not used, this provision shall not apply.) Municipalities are required to include price adjustment clauses for diesel fuel, gasoline, liquid asphalt, Portland cement concrete, structural steel and reinforcing steel in the bid documents of all construction contracts funded by the Massachusetts Chapter 90 Program.

Notice to Contractors:

This contract contains price adjustments for hot mix asphalt, Portland cement, diesel fuel and gasoline. For this project the base prices are as follows: asphalt cement \$580.00 per ton, Portland cement \$123.78 per ton, diesel fuel \$2.162 per gallon and gasoline \$1.727 per gallon. MassDOT posts the Price Adjustments on their Highway Division's website at <http://www.massdot.state.ma.us/Highway> under the following link sequences:

Doing Business with us
Construction
Price Adjustments

MONTHLY PRICE ADJUSTMENT FOR HOT MIX ASPHALT (HMA) MIXTURE

This provision applies to all projects using greater than 100 tons of hot mix asphalt (HMA) mixtures containing liquid asphalt cement as stipulated in the Notice to Contractors section of the bid documents.

The Price Adjustment will be based on the variance in price for the liquid asphalt component only from the Base Price to the Period Price. It shall not include transportation or other charges. This Price Adjustment will occur on a monthly basis.

Base Price

The Base Price of liquid asphalt on a project as listed in the Notice to Contractors section of the bid documents is a fixed price determined at the time of bid by the Department by using the same method as for the determination of the Period Price detailed below.

Period Price

Please note that, starting December 15, 2008, two sets of period prices will be posted each month on the MassDOT website at <http://www.mhd.state.ma.us/>. They will be labeled "New Asphalt Period Price Method" and "Old Asphalt Period Price Method".

The "New Asphalt Period Price Method" is applicable to this project.

The "New Asphalt Period Price Method" is for contracts bid after December 15, 2008 and will show the Period Price of liquid asphalt for each monthly period as determined by MassDOT using the average selling

price per standard ton of PG64-28 paving grade (primary binder classification) asphalt, FOB manufacturer's terminal, as listed under the "East Coast Market - New England, Boston, Massachusetts area" section of the Poten & Partners, Inc. "Asphalt Weekly Monitor". This average selling price is listed in the issue having a publication date of the second Friday of the month and will be posted as the Period Price for that month. MassHighway will post this Period Price on this website within two (2) business days following their receipt of the relevant issue of the "Asphalt Weekly Monitor". Poten and Partners has granted MassHighway the right to publish this specific asphalt price information sourced from the Asphalt Weekly Monitor.

The Contract Price of the hot mix asphalt mixture will be paid under the respective item in the Contract. The price adjustment, as herein provided, upwards or downwards, will be made after the work has been performed, using the monthly period price for the month during which the work was performed.

The Price Adjustment applies only to the actual virgin liquid asphalt content in the mixture placed on the job in accordance with the Standard Specifications for Highways and Bridges, Division III, Section M3.11.03.

The Price Adjustment will be a separate payment item. It will be determined by multiplying the number of tons of hot mix asphalt mixtures placed during each monthly period times the liquid asphalt content percentage times the variance in price between Base Price and Period Price of liquid asphalt.

This Price Adjustment will be paid only if the variance from the Base Price is 5% or more for a monthly period. The complete adjustment will be paid in all cases with no deduction of the 5% from either upward or downward adjustments.

No Price Adjustment will be allowed beyond the Completion Date of this Contract, unless there is a Town-approved extension of time.

MONTHLY PRICE ADJUSTMENT FOR DIESEL FUEL AND GASOLINE

This monthly fuel price adjustment is inserted in this contract because the national and worldwide energy situation has made the future cost of fuel unpredictable. This adjustment will provide for either additional compensation to the Contractor or repayment to the Town of Plymouth, depending on an increase or decrease in the average price of diesel fuel or gasoline.

This adjustment will be based on fuel usage factors for various items of work developed by the Highway Research Board in Circular 158, dated July 1974. These factors will be multiplied by the quantities of work done in each item during each monthly period and further multiplied by the variance in price from the Base Price to the Period Price.

The Base Price of Diesel Fuel and Gasoline will be the price as indicated in the Department's web site (www.mhd.state.ma.us) for the month in which the contract was bid, which includes State Tax.

The Period Price will be the average of prices charged to the State, including State Tax for the bulk purchases made during each month.

This adjustment will be effected only if the variance from the Base Price is 5% or more for a monthly period. The complete adjustment will be paid in all cases with no deduction of the 5% from either upward or downward adjustments.

No adjustment will be paid for work done beyond the extended completion date of any contract.

Any adjustment (increase or decrease) to estimated quantities made to each item at the time of final payment will have the fuel price adjustment figured at the average period price for the entire term of the project for the difference of quantity.

The fuel price adjustment will apply only to the following items of work at the fuel factors shown:

ITEMS COVERED	FUEL FACTORS	
	Diesel	Gasoline
Excavation: and Borrow Work: Items 120, 120.1, 121, 123, 124, 125, 127, 129.3, 140, 140.1, 141, 142, 143, 144., 150, 150.1, 151, 151.02 and 151.1 (Both Factors used)	0.29 Gallons/CY	0.15 Gallons/CY
Surfacing Work: All Items containing Hot Mix Asphalt	2.90 Gallons/Ton	Does Not Apply

MONTHLY PRICE ADJUSTMENT FOR PORTLAND CEMENT CONCRETE MIXTURE

This provision applies to all projects using greater than 100 Cubic Yards (76 Cubic Meters) of Portland cement concrete containing Portland cement as stipulated in the Notice to Contractors section of the Bid Documents. This Price Adjustment will occur on a monthly basis.

The Price Adjustment will be based on the variance in price for the Portland cement component only from the Base Price to the Period Price. It shall not include transportation or other charges.

The Base Price of Portland cement on a project is a fixed price determined at the time of bid by the Department by using the same method as for the determination of the Period Price (see below) and found in the Notice to Contractors.

The Period Price of Portland cement will be determined by using the latest published price, in dollars per ton (U.S.), for Portland cement (Type I) quoted for Boston, U.S.A. in the Construction Economics section of ENR Engineering News-Record magazine or at the ENR website <http://www.enr.com> under Construction Economics. The Period Price will be posted on the MassHighway website the Wednesday immediately following the publishing of the monthly price in ENR, which is normally the first week of the month.

The Contract Price of the Portland cement concrete mix will be paid under the respective item in the Contract. The price adjustment, as herein provided, upwards or downwards, will be made after the work has been performed, using the monthly period price for the month during which the work was performed.

The price adjustment applies only to the actual Portland cement content in the mix placed on the job in accordance with the Standard Specifications for Highways and Bridges, Division III, Section M4.02.01. No adjustments will be made for any cement replacement materials such as fly ash or ground granulated blast furnace slag.

The Price Adjustment will be a separate payment item. It will be determined by multiplying the number of cubic yards of Portland cement concrete placed during each monthly period times the Portland cement content percentage times the variance in price between the Base Price and Period Price of Portland cement.

This Price Adjustment will be paid only if the variance from the Base Price is 5% or more for a monthly period. The complete adjustment will be paid in all cases with no deduction of the 5% from either upward or downward adjustments.

No Price Adjustment will be allowed beyond the Completion Date of this Contract, unless there is a Department-approved extension of time.

B. CONTRACT AWARD

Award of this bid will be made to the bidder who offers the lowest price(s) and who is deemed responsive, responsible and eligible. Determination of responsiveness and responsibility and eligibility shall be based solely on the following criteria:

1. Bidders will be deemed responsive if they complete all required forms as included in the attached bid form package to the satisfaction of the Town.
2. A bidder will be deemed responsible and eligible if:
 - (1) its bid is the lowest of those bidders possessing the skill, ability and integrity necessary for the faithful performance of the work;
 - (2) it shall certify, that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed in the work;
 - (3) it shall also 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 at least 10 hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee;
 - (4) where the provisions of section 8B of chapter 81 apply, the bidder shall have been determined to be qualified thereunder; and
 - (5) if the bidder obtains within 10 days of the notification of

contract award the security by bond required under section 29 of chapter 149.

C. INSURANCE REQUIRMENTS

1. The Contractor shall carry and continuously maintain until completion of the Contract, insurance as specified below and in such form as shall protect him performing work covered by this Contract, or the Town of Plymouth and its employees, agents and officials, from all claims an liability for damages for bodily injury, including accidental death, and for property damage, which may arise from operations under this Contract. The Contractor covenants and agrees to hold the Town and its employees, agents and officials harmless from loss or damage due to claims for personal injury and/or property damage arising from, or in connection with operations under this Contract.

2. Except as otherwise stated, the amounts of such insurance shall be for each policy, not less than:

- 1) **General Liability** of at least \$1,000,000 Bodily Injury and Property Damage Liability, Combined Single Limit with a \$3,000,000 Annual Aggregate Limit. **The Town shall be named as an "Additional Insured".** Products and Completed Operations should be maintained for up to 3 years after the completion of the project.
- 2) **Automobile Liability** of at least \$1,000,000 Bodily Injury and Property Damage per accident. **The Town shall be named as an "Additional Insured".**
- 3) **Workers' Compensation Insurance** as required by law.
- 4) **Property Coverage** for materials and supplies being transported by the contractor.
- 5) **Umbrella Liability** of at least \$5,000,000/occurrence, \$5,000,000/aggregate. **The Town shall be named as an Additional Insured.**

3. All policies shall be so written that the Owner will be notified of cancellation or restrictive amendment at least fifteen (15) days prior to the effective date of such cancellation or amendment. A certificate from the Contractor's Insurance Carrier showing at least the coverage and limits of liability specified above and expiration date shall be filed with the Owner before operations are begun.

4. Such certificates shall not merely name the types of policy provided, but shall specifically refer to this Contract and shall state that such insurance is required by this Contract. The Contractor shall make no claims against the Town of Plymouth or its officers for any injury to any of his officers or employees or for damage to its trucks or equipment arising out of work contemplated by this Contract.

5. The Contractor shall, to the maximum extent permitted by law,

indemnify and save harmless the Town of Plymouth, its officers, agents and employees from and against any and all damages, liabilities, actions, suits, proceedings, claims demands, losses, costs and expenses (including reasonable attorney's fees) that may arise out of or in connection with the work being performed or to be performed by the Contractor, his employees, agents, sub-contractors or materialmen. The existence of insurance shall in no way limit the scope of this indemnification. The Contractor further agrees to reimburse the Town of Plymouth for damage to its property caused by the Contractor, his employees, agents, sub-contractors or materialmen, including damages caused by his, its or their use of faulty, defective or unsuitable material or equipment, unless the damage is caused by the Town of Plymouth's gross negligence or willful misconduct.

D. WITHDRAWAL OF BIDS

Except as hereinafter expressed provided, once a bid is submitted and received by the town, the bidder agrees that he may not and will not withdraw it within thirty (30) days (Saturdays, Sundays, and legal holidays excluded) after the actual date of the opening of proposals.

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

- a. at any time prior to the designated time for the opening of proposals;
- b. after the designated time for the opening of bids, a bid may be withdrawn only after a contract has been signed by the successful general bidder and Owner and such bidder has furnished all required bonds. Otherwise, a bidder withdrawing its bid after such designated time shall forfeit its bid deposit.

Unless a bid is withdrawn as provided above, the bidder agrees that its bid shall be deemed open for acceptance until a contract has been executed with the low bidder and such bidder has furnished all required bonds, or until the town notifies the bidder in writing that his bid is rejected or that the town does not intend to accept it, or returns his bid deposit. Notice of acceptance of a bid shall not constitute rejection of any other bid.

E. BID STATUS INFORMATION

Addenda: If you received bid documents directly from the Town, and provided the Town with an address for delivery of addenda, the Town intends to deliver a copy of each addendum to you at such address, but the Town shall not be responsible for any failure of a bidder to receive any addenda. Notwithstanding the foregoing, bidders are solely responsible to check for and confirm their receipt of any addenda in advance of the bid deadline.

Bid results will be available over the Internet at http://www.plymouth-ma.gov/public_documents/PlymouthMA_currentbids/
Bid results will not be provided over the phone.

Notification of award of contract will be mailed to all bidders.

F. BID QUESTIONS

Please contact Pamela D. Hagler, Procurement Officer, at 508-747-1620 ext. 107, if you have any questions on the bid process. Questions regarding the project or the specifications must be submitted in writing and faxed to 508-830-4133 or emailed to phagler@townhall.plymouth.ma.us. At the discretion of the Town, questions will be answered by written addenda. Bidders may not rely upon oral responses to questions, and may rely solely upon written addenda, if any.

SPECIAL CONDITIONS

EQUIPMENT:

THE CONTRACTOR SHALL FURNISH EQUIPMENT WHICH WILL BE EFFECTIVE, APPROPRIATE AND LARGE ENOUGH TO SECURE A SATISFACTORY QUALITY OF WORK AND A RATE OF PROGRESS WHICH WILL ENSURE THE COMPLETION OF THE WORK WITHIN THE TIME STIPULATED IN THE BID FORM. IF AT ANY TIME SUCH EQUIPMENT APPEARS TO THE TOWN TO BE INEFFICIENT, INAPPROPRIATE OR INSUFFICIENT FOR SECURING THE QUALITY OF WORK REQUIRED OR FOR PRODUCING THE RATE OF PROGRESS AFORESAID, HE/SHE MAY ORDER THE CONTRACTOR TO INCREASE THE EFFICIENCY, CHANGE THE CHARACTER OR INCREASE THE EQUIPMENT, AND THE CONTRACTOR SHALL CONFORM TO SUCH ORDER. THE GIVING OR FAILURE TO GIVE SUCH ORDER BY THE TOWN SHALL IN NO WAY RELIEVE THE CONTRACTOR OF HIS/HER OBLIGATIONS TO SECURE THE QUALITY OF THE WORK AND RATE OF PROGRESS REQUIRED.

WORK HOURS:

NORMAL WORK HOURS WILL MEAN UP TO FIVE (5) 8-HOUR DAYS, MONDAY THROUGH FRIDAY. IN ORDER TO WORK HOURS NOT WITHIN THIS SPAN FOR THE CONTRACTOR'S BENEFIT, HE/SHE SHALL REQUEST A WRITTEN AUTHORIZATION TO BE APPROVED BY THE TOWN. FOR WORK OUTSIDE THE NORMAL DAY, WORK ON SATURDAYS, SUNDAYS, OR LEGAL HOLIDAYS, IF ANY WORK BEYOND THE NORMAL DAY IS TO BE PERFORMED, THE CONTRACTOR WILL RECEIVE NO EXTRA PAYMENT, AND COMPENSATION FOR SUCH WORK SHALL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE PRICES AS STIPULATED FOR THE APPROPRIATE ITEMS OF WORK AS LISTED IN THE BID.

APPROVAL OF MATERIALS:

ONLY NEW MATERIALS AND EQUIPMENT SHALL BE INCORPORATED IN THE WORK. ALL MATERIALS AND EQUIPMENT FURNISHED BY THE CONTRACTOR SHALL BE SUBJECT TO THE INSPECTION AND APPROVAL OF THE TOWN, PROVIDED THAT ANY APPROVAL OR LACK OF APPROVAL SHALL NOT RELIEVE CONTRACTOR OF ITS OBLIGATIONS HEREUNDER. NO MATERIALS SHALL BE DELIVERED TO THE WORK SITE WITHOUT PRIOR APPROVAL OF THE TOWN.

THE CONTRACTOR SHALL SUBMIT DATA AND SAMPLES SUFFICIENTLY EARLY TO PERMIT CONSIDERATION AND APPROVAL BEFORE MATERIALS ARE NECESSARY FOR INCORPORATION IN THE WORK. ANY DELAY OF APPROVAL RESULTING FROM THE CONTRACTOR'S FAILURE TO SUBMIT SAMPLES OR DATA PROMPTLY SHALL NOT BE USED AS A BASIS OF A CLAIM AGAINST THE TOWN.

SUBSTITUTES OF APPROVED "OR-EQUAL" ITEMS:

WHENEVER MATERIALS OR EQUIPMENT ARE SPECIFIED OR DESCRIBED IN THE CONTRACT DOCUMENTS BY USING THE NAME OF A PROPRIETARY ITEM OR THE NAME OF A PARTICULAR SUPPLIER THE NAMING OF THE ITEM IS INTENDED TO ESTABLISH THE TYPE, FUNCTION AND QUALITY REQUIRED. MATERIALS OR EQUIPMENT OF OTHER SUPPLIERS MAY BE ACCEPTED BY THE TOWN IF SUFFICIENT INFORMATION, AS DETERMINED BY THE TOWN, IS SUBMITTED BY CONTRACTOR TO ALLOW TOWN TO DETERMINE THAT THE MATERIAL OR EQUIPMENT PROPOSED IS (1) AT LEAST EQUAL IN QUALITY, DURABILITY, APPEARANCE, STRENGTH AND DESIGN TO THE MATERIAL OR EQUIPMENT NAMED, (2) IT WILL PERFORM AT LEAST EQUALLY THE FUNCTION IMPOSED BY THE GENERAL DESIGN FOR THE WORK BEING CONTRACTED FOR OR THE EQUIPMENT OR MATERIAL BEING PURCHASED, AND (3)

IT CONFORMS SUBSTANTIALLY, EVEN WITH DEVIATIONS, TO THE DETAILED REQUIREMENTS FOR THE EQUIPMENT OR MATERIAL IN THE SPECIFICATIONS. THE PROCEDURE FOR REVIEW BY TOWN WILL INCLUDE THE FOLLOWING: REQUESTS FOR REVIEW OF SUBSTITUTE ITEMS OF MATERIAL AND EQUIPMENT WILL NOT BE ACCEPTED BY TOWN FROM ANYONE OTHER THAN CONTRACTOR. IF CONTRACTOR WISHES TO FURNISH OR USE A SUBSTITUTE ITEM OF MATERIAL OR REQUIREMENT, CONTRACTOR SHALL MAKE WRITTEN APPLICATION TO TOWN FOR ACCEPTANCE THEREOF CERTIFYING THAT THE PROPOSED SUBSTITUTE SATISFIES THE CRITERIA STATED ABOVE. THE APPLICATION WILL CERTIFY THAT THE EVALUATION AND ACCEPTANCE OF THE PROPOSED SUBSTITUTE WILL NOT DELAY CONTRACTOR'S ACHIEVEMENT OF SUBSTANTIAL COMPLETION WITHIN THE TIME STATED IN THE CONTRACT DOCUMENTS, AND MUST STATE WHETHER OR NOT ACCEPTANCE OF THE SUBSTITUTE FOR USE IN THE WORK WILL REQUIRE A CHANGE IN ANY OF THE CONTRACT DOCUMENTS, AND WHETHER OR NOT INCORPORATION OR USE OF THE SUBSTITUTE IN CONNECTION WITH THE WORK IS SUBJECT TO PAYMENT OF ANY LICENSE FEE OR ROYALTY. IF THE APPLICATION IS SILENT ON SUCH MATTERS, THE BIDDER, BY SUBMITTING AN APPLICATION, WILL BE DEEMED TO HAVE SO CERTIFIED, AND TO HAVE STATED THAT NO CHANGE IN THE CONTRACT DOCUMENTS IS NECESSARY AND NO LICENSE FEES OR ROYALTY PAYMENTS ARE REQUIRED.

ALL VARIATIONS OF THE PROPOSED SUBSTITUTE FROM THAT SPECIFIED MUST BE IDENTIFIED BY CONTRACTOR IN THE APPLICATION TOGETHER WITH AVAILABLE MAINTENANCE, REPAIR AND REPLACEMENT SERVICE FOR THE SUBSTITUTE ITEM. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COSTS OF ANY NECESSARY REDESIGN AND CLAIMS OF OTHER CONTRACTORS RESULTING FROM THE PROPOSED SUBSTITUTE. TOWN MAY REQUIRE CONTRACTOR TO FURNISH AT CONTRACTOR'S EXPENSE ADDITIONAL DATA ABOUT THE PROPOSED SUBSTITUTE.

IF A SPECIFIC MEANS, METHOD, TECHNIQUE, SEQUENCE OR PROCEDURE OF CONSTRUCTION IS EXPRESSLY REQUIRED BY THE CONTRACT DOCUMENTS, THE CONTRACTOR MAY FURNISH OR UTILIZE A SUBSTITUTE MEANS, METHOD, SEQUENCE, TECHNIQUE OR PROCEDURE OF CONSTRUCTION ACCEPTABLE TO TOWN, IF CONTRACTOR SUBMITS SUFFICIENT INFORMATION TO ALLOW TOWN TO DETERMINE THAT THE SUBSTITUTE PROPOSED IS EQUIVALENT TO THAT INDICATED OR REQUIRED BY THE CONTRACT DOCUMENTS. THE PROCEDURE FOR REVIEW BY TOWN WILL BE SIMILAR TO THAT STATED PREVIOUSLY. NOTWITHSTANDING ANY ACCEPTANCE OF THE TOWN AND UNLESS OTHERWISE EXPRESSLY AGREED IN WRITING BY THE TOWN, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES, LOSSES, COSTS, EXPENSES, AND CLAIMS ARISING OUT OF THE SUBSTITUTE MEANS, METHOD, SEQUENCE, TECHNIQUE OR PROCEDURE.

TOWN WILL BE ALLOWED A REASONABLE TIME WITHIN WHICH TO EVALUATE EACH PROPOSED SUBSTITUTE. TOWN WILL BE THE SOLE JUDGE OF ACCEPTABILITY, AND NO SUBSTITUTE WILL BE ORDERED, INSTALLED OR UTILIZED WITHOUT TOWN'S PRIOR WRITTEN ACCEPTANCE, WHICH WILL BE EVIDENCED BY EITHER A CHANGE ORDER OR AN APPROVED SHOP DRAWING. TOWN MAY REQUIRE CONTRACTOR TO FURNISH AT CONTRACTOR'S EXPENSE A SPECIAL PERFORMANCE GUARANTEE OR OTHER SURETY WITH RESPECT TO ANY SUBSTITUTE. TOWN WILL RECORD TIME REQUIRED BY TOWN AND TOWN'S CONSULTANTS IN EVALUATING SUBSTITUTIONS PROPOSED BY CONTRACTOR AND IN MAKING CHANGES IN THE CONTRACT DOCUMENTS OCCASIONED THEREBY. WHETHER OR NOT TOWN ACCEPTS A PROPOSED SUBSTITUTE, THE CONTRACTOR SHALL REIMBURSE TOWN FOR THE CHARGES OF TOWN'S CONSULTANTS FOR EVALUATING EACH PROPOSED SUBSTITUTE, AND SHALL, UNLESS OTHERWISE EXPRESSLY AGREED IN WRITING BY THE TOWN, BE RESPONSIBLE FOR ALL DAMAGES, LOSSES, COSTS, EXPENSES, AND CLAIMS ARISING OUT OF THE USE OF THE PROPOSED SUBSTITUTE ITEM, EQUIPMENT, MATERIAL, MEANS, METHOD, SEQUENCE, TECHNIQUE OR PROCEDURE.

TEMPORARY UTILITIES:

THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR AND FURNISH AT HIS/HER EXPENSE ALL WATER, ELECTRIC, TELEPHONE OR OTHER UTILITY REQUIRED BY HIM/HER FOR CONSTRUCTION PURPOSES.

LOCATION OF ALL UTILITIES:

THE LOCATION OF THE EXISTING UTILITIES MUST BE ESTABLISHED AND VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL MAKE ARRANGEMENT WITH THE APPROPRIATE UTILITY COMPANIES TO HAVE ALL EXISTING UTILITIES MARKED ALONG THE COURSE OF THIS WORK BY SUCH MEANS AS NECESSARY. THE CONTRACTOR SHALL PRESERVE SUCH MARKED LOCATIONS UNTIL THE WORK HAS PROGRESSED TO THE POINT WHERE THE ENCOUNTERED UTILITY IS FULLY EXPOSED OR PROTECTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROPER AUTHORITIES OR UTILITY BEFORE PROCEEDING WITH THE WORK POTENTIALLY AFFECTED THEREBY.

SAFETY CONTROL:

THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL REQUIRED SAFETY EQUIPMENT SUCH AS BARRICADES, DETOUR BARRIERS AND SIGNS, LIGHTS, WALKWAYS, FENCES, FIRE PREVENTION EQUIPMENT. IF AT ANY TIME BEFORE THE COMMENCEMENT OR DURING THE PROGRESS OF THE WORK, OR ANY PART OF IT, SUCH METHODS AND PROCEDURES AS USED APPEAR TO THE TOWN AS UNSAFE, INSUFFICIENT OR IMPROPER, THE TOWN SHALL HAVE THE RIGHT, BUT UNDER NO CIRCUMSTANCES THE OBLIGATION, TO ORDER THE CONTRACTOR TO INCREASE THEIR SAFETY OF EFFICIENCY OR TO IMPROVE THEIR CHARACTER, AND THE CONTRACTOR SHALL CONFORM TO SUCH ORDERS. THE GIVING OR FAILURE OF THE TOWN TO GIVE SUCH ORDER TO INCREASE OF SUCH SAFETY, EFFICIENCY, ADEQUACY OR ANY IMPROVEMENTS SHALL NOT RELEASE THE CONTRACTOR FROM HIS/HER OBLIGATION TO SECURE THE SAFE CONDUCT AND QUALITY OF WORK SPECIFIED AND FOR ALL DAMAGES, INJURIES, LOSSES, COSTS AND EXPENSES ARISING FROM ANY FAILURE OF CONTRACTOR TO COMPLY WITH THAT OBLIGATION.

OCCUPATIONAL SAFETY AND HEALTH ACT:

THE CONTRACTOR'S PARTICULAR ATTENTION IS CALLED TO THE RULES AND REGULATIONS INCLUDED IN PUBLIC LAW 91-596, KNOWN AS THE "OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970" (OSHA), AS SAME MAY BE AMENDED, SUPPLEMENTED OR SUPERSEDED.

MAINTENANCE OF TRAFFIC:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF TRAFFIC WITH THE MAXIMUM OF SAFETY AND PRACTICABLE CONVENIENCE TO SUCH TRAFFIC DURING THE LIFE OF THE CONTRACT WHETHER OR NOT WORK THEREON HAS BEEN SUSPENDED TEMPORARILY. THE WORK SHALL BE CARRIED ON IN SUCH A MANNER AS TO PROVIDE SAFE PASSAGE AT ALL TIMES FOR PUBLIC TRAVEL AND WITH LEAST OBSTRUCTION TO TRAFFIC.

THE CONVENIENCE OF THE GENERAL PUBLIC AND OF THE RESIDENTS ALONG AND ADJACENT TO THE WORK SHALL BE PROVIDED FOR IN AN ADEQUATE AND SATISFACTORY MANNER.

PORTABLE BARRIER FENCES WITH APPROPRIATE SIGNS SHALL BE USED FOR

SAFETY CONTROL IN ESTABLISHING TRAFFIC PATTERNS (DETOURS, ETC.). THESE PORTABLE BARRIER FENCES SHALL MEET THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS OR HIS/HER DESIGNEE.

ROADWAYS, DRIVEWAYS AND FOOT PATHS CLOSED TO TRAFFIC, SHALL BE PROTECTED BY SUITABLE BARRICADES AND WARNING SIGNS, AND THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ADEQUATE LIGHTS AND ILLUMINATION. THEREFORE, HE/SHE SHALL BE HELD RESPONSIBLE FOR ALL DAMAGE TO THE WORK DUE TO ANY FAILURE OF SIGNS AND BARRICADES TO PROTECT THE WORK PROPERLY FROM TRAFFIC, PEDESTRIANS, ANIMAL OR OTHER CAUSES.

POLICE DETAIL:

THE CONTRACTOR SHALL COORDINATE WITH THE PLYMOUTH POLICE DEPARTMENT THE NUMBER OF TRAFFIC POLICE REQUIRED IN EITHER THE APPROPRIATE TRAFFIC MANAGEMENT PLAN (TMP) TEMPLATE (SEE MASSDOT'S WEBSITE AT [HTTP://WWW.MHD.STATE.MA.US](http://www.mhd.state.ma.us)) OR DEEMED NECESSARY FOR THE DIRECTION AND CONTROL OF TRAFFIC WITHIN THE SITE.

THE CONTRACTOR SHALL SUBMIT THE REQUESTED AND SIGNED POLICE DETAIL SCHEDULE AS CALLED IN AND ARRANGED DIRECTLY WITH THE POLICE DEPARTMENT ON A WEEKLY BASIS. POLICE DETAILS WILL BE PAID DIRECTLY BY THE TOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND CANCELING POLICE DETAILS IF NOT NEEDED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CANCEL A DETAIL(S) AT A MINIMUM OF FOUR HOURS IN ADVANCE OF THE START OF THE SHIFT IF CONDITIONS SO WARRANT. POLICE DETAILS NOT CANCELLED IN TIME SHALL BE PAID FOR BY THE CONTRACTOR.

RESTORATION (WORK IN IMPROVED PROPERTY AREAS):

THE CONTRACTOR, AT HIS/HER OWN EXPENSE, SHALL CARE FOR, REPLACE, AND RESTORE ANY PUBLIC AND PRIVATE PROPERTY (E.G., SHRUBS, HEDGES, TREES, PUBLIC OR PRIVATE WAYS, SEWER DRAIN, WATER OR OTHER PIPES, CATCH BASINS, WIRES, BUILDING, FENCES, POSTS, POLES, MAILBOXES, STONE WALLS OR OTHER STRUCTURES) DAMAGED BY HIS/HER WORK, EQUIPMENT, OR EMPLOYEES, TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS OR, IF BETTER, TO GOOD CONDITION, AND TO THE SATISFACTION OF THE TOWN.

THE CONTRACTOR SHALL ALSO RESTORE, AT ITS COST, TO ORIGINAL CONDITION, AND TO THE SATISFACTION OF THE TOWN, ANY LAWN OR OTHER PLANTED AREA INTERFERED WITH, INCLUDING FERTILIZING, LOAMING, AND SEEDING AS REQUIRED.

SUITABLE MATERIALS, EQUIPMENT AND METHODS SHALL BE USED FOR SUCH RESTORATION.

BOUNDS AND PROPERTY MARKERS:

ALL BOUNDS AND PROPERTY MARKERS DISTURBED IN THE COURSE OF THE WORK SHALL BE REPLACED BY THE CONTRACTOR AT HIS/HER EXPENSE.

THE CONTRACTOR SHALL EMPLOY A REGISTERED LAND SURVEYOR TO RESET ALL BOUNDS AND PROPERTY MARKERS.

TELEPHONE NUMBERS:

THE TELEPHONE NUMBERS OF THE FOLLOWING DEPARTMENTS OF THE TOWN OF

PLYMOUTH ARE:

POLICE	508-830-4220 (BUSINESS)
FIRE	508-830-4213 (BUSINESS)
HIGHWAY	508-830-4162, ext. 101
WATER	508-830-4162, ext. 138
ENGINEERING	508-747-1620, ext. 120
SEWER	508-830-4159
DIRECTOR OF PUBLIC WORKS	508-830-4162, ext. 105

TOWN OFFICE BUILDING HOURS: M - F 7:30 A.M. TO 4:00 P.M.

LEGAL REQUIREMENTS:

THE CONTRACTOR SHALL KEEP HIM/HERSELF FULLY INFORMED OF, AND COMPLY WITH, ALL LAWS, ORDINANCES AND REGULATIONS OF THE FEDERAL, STATE AND MUNICIPAL GOVERNMENTS, WHICH MAY BE IN FORCE DURING THE LIFE OF THE CONTRACT, AND IN ANY MANNER AFFECTING HIS/HER EMPLOYEES OR THE CONDUCT OF THE WORK OF MATERIALS USED ON SAID WORK.

PERSONAL SUPERVISION BY CONTRACTOR:

THE CONTRACTOR OR HIS/HER DULY AUTHORIZED AND APPROVED REPRESENTATIVE SHALL GIVE PERSONAL ATTENTION TO THE FULFILLMENT OF THE CONTRACT. THE CONTRACTOR SHALL HAVE ON THE WORK SITE, AT ALL TIMES, A COMPETENT FULL-TIME REPRESENTATIVE AUTHORIZED TO RECEIVE AND EXECUTE ANY ORDERS OF DIRECTION OF THE TOWN.

THE REPRESENTATIVE SHALL ALSO BE AUTHORIZED TO ACCEPT, ON BEHALF OF CONTRACTOR, ANY NOTICES GIVEN TO THE CONTRACTOR UNDER THE PROVISIONS OF THE CONTRACT.

CLEANUP:

DURING THE COURSE OF THE WORK, THE CONTRACTOR SHALL KEEP THE SITE OF HIS/HER OPERATIONS IN AS CLEAN AND NEAT A CONDITION AS IS POSSIBLE. HE/SHE SHALL DISPOSE OF ALL RESIDUE RESULTING FROM THE CONSTRUCTION WORK ON A DAILY BASIS AND, AT THE CONCLUSION OF THE WORK, HE/SHE SHALL REMOVE AND HAUL AWAY STRUCTURES, AND OTHER REFUSE REMAINING FROM THE CONSTRUCTION OPERATIONS, AND SHALL LEAVE THE ENTIRE SITE OF THE WORK IN A NEAT AND ORDERLY CONDITION.

OWNER/CONTRACTOR AGREEMENT

THIS AGREEMENT made this day of , 2015, by and between the TOWN OF PLYMOUTH, with an office at 11 Lincoln Street, Plymouth, Plymouth County, Massachusetts, 02360, hereinafter called the "Owner", and **(name, street address and mailing address of contractor)**, hereinafter called the "Contractor".

WITNESSETH, that the Owner and the Contractor, for the consideration hereafter named, agree as follows:

Article 1. SCOPE OF WORK: The Contractor shall perform all the Work required by the Contract Documents for Sidewalk Construction as described in the Contract Documents.

Article 2. TIME OF COMPLETION: The Contractor shall commence work under this Contract on the date specified in the written "Notice to Proceed" from the Owner. The agreement shall be for the period of contract execution through December 31, 2015. At the sole discretion of the Town, and subject to appropriation of funds, this agreement may be extended for the period 1/1/2016 through 12/31/2016. If the town decides to exercise this extension, it will do so by sending written notice no later than thirty (30) days prior to the expiration date.

Article 3. THE CONTRACT SUM: The Owner shall pay the Contractor in current funds for the performance of the Work, subject to additions and deductions by Change Order the unit prices as written in the Bidding Document.

Article 4. THE CONTRACT DOCUMENTS (or "CONTRACT"): The following, together with this Agreement, form the Contract and all are as fully a part of the Contract as if attached to this Agreement or repeated herein: the Advertisement, Bidding Documents, General Information, Invitation for Bids, Contract Forms, Conditions of the Contract, and Specifications as enumerated in the Table of Contents; the Drawings as enumerated in the List of Contract Drawings; Addenda; and Modifications/Change Orders issued after execution of the Contract.

By signing this Contract, the Contractor certifies under the penalties of perjury that he/she has complied with all laws of the Commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting of child support.

2. PRE-CONSTRUCTION CONFERENCE

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

him and his subcontractors by the Executive Orders concerning Equal Employment opportunity and Davis-Bacon Act requirements, provided that nothing said in or omitted from such pre-construction conference shall relieve Contractor of its obligations under the Contract Documents.

The date, time, and place of the conference will be furnished to the Contractor by the project manager.

GENERAL CONDITIONS

3. Funding Source

This program has been funded by the Commonwealth of Massachusetts.

4. Contract Plans and Specifications

All plans, specifications and addenda, hereinafter enumerated or referenced in this contract, shall form part of this Contract and the provisions thereof shall be as binding upon the parties hereto as if they were herein set fully forth. The table of contents, titles, headings, running headlines and marginal notes contained herein and in said documents are solely to facilitate reference to various provisions of the Contract Documents and in no way affect, limit or cast light on the interpretation of the provisions of which they refer. The plans and specifications are complimentary, and what is required by one shall be deemed as if required by all.

5. Additional Instructions and Detail Drawings

The Contractor may be furnished additional written instructions and detail drawings as necessary to carry out the work included in the contract. The Contractor shall carry out the work in accordance with the additional detail drawings and instructions. The Contractor and the Director of Public Works 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 Director of Public Works in accordance with said schedule, and (b) a schedule fixing the respective dates for the submission of shop drawings, the beginning of manufacture, testing and installation of materials, supplies and equipments, 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.

6. Shop or Setting Drawings

The Contractor shall submit promptly to the Director of Public Works two copies of each shop or setting drawing prepared in accordance with the schedule predetermined as aforesaid. After examination of such drawings by the Director of Public Works or his designee and the return thereof, the Contractor shall make such corrections to the drawings as have been indicated, if any, and shall furnish the Director of Public Works or his designee with two corrected copies. If requested by the Director of Public Works or his designee, the Contractor must furnish

additional copies. Regardless of corrections made in or approval given to such drawings by the Director of Public Works, the Contractor will nevertheless be responsible for the accuracy of such drawings and for their conformity to the plans and specifications, unless he notifies the Director of Public Works in writing and conspicuously on the face of the shop drawing of any deviations at the time he furnishes such drawings, and the Director has expressly and separately approved such deviation by noting its approval on the drawing.

7. Materials, Services and Facilities

- (a) It is understood that except as otherwise specifically stated in the Contract Documents, the Contractor shall provide and pay for all materials, labor, tools, equipment, water, light, power, transportation, superintendence, temporary construction of every nature and all other services and facilities of every nature whatsoever necessary to execute, complete and deliver the work within the specified time.
- (b) Any work necessary to be performed after regular working hours, on Sunday or Legal Holidays, shall be performed without additional expense to the Owner.

8. Contractor's Title to Materials

No materials or supplies for the work shall be purchased by the Contractor or by any Subcontractor subject to any chattel mortgage or under a conditional sale contract or other agreement by which an interest is retained by the seller. The Contractor warrants that he has good title to all materials and supplies used by him in the work, free from all liens, claims or encumbrances.

9. Title to Work

The title to all work completed and in the course of construction, and of all material incorporated into the work, and all material not incorporated into the work but for which any payment has been made by Owner shall be in the Owner's name.

10. Inspection and Testing of Materials

- (a) All materials and equipment used in the construction of the project shall be subject to inspection and testing in accordance with accepted standards.
- (b) Materials of construction, particularly those upon which the strength and durability of the structure may depend, shall be subject to inspection and testing to establish conformance with specifications and suitability for uses intended.

11. Express Warranty

The Contractor guarantees to Owner that all materials

incorporated into the work will be new and of recent manufacture unless otherwise expressly specified or agreed in writing. Contractor also guarantees that all work will be done in a workmanlike manner, free from defects in material and workmanship, and in strict conformance with all requirements and specifications in the Contract.

12. Maintenance and Guarantee

The Contractor hereby guarantees that the entire work constructed by him under the contract will meet fully all requirements thereof as to quality of workmanship and of materials furnished by him. The Contractor hereby agrees, in addition to any other rights and remedies available to the Town, to make at his own expense any repairs or replacements made necessary by defects in materials or workmanship supplied to him that become evident within one (1) year after the date of the final payment, and to restore to full compliance with the requirements set forth herein for any part of the work constructed hereunder, which during said one (1) year period is found to be deficient with the respect to any provisions of the specifications. The Contractor also agrees to indemnify and hold harmless the Owner from claims of any kind arising from damage due to said defects. The Contractor shall make all repairs and replacements promptly upon receipt of written orders for same from the Owner. If the Contractor fails to make the repairs and replacements promptly, the Owner may do the work and the Contractor shall be liable to the owner for the cost thereof. The foregoing is not a limitation of, but is in addition to, any other rights and remedies available to the Owner, and nothing herein shall reduce or limit any applicable statutory limitations periods for suits by the Owner.

13. "Or Equal" Clause

Whenever a materials, article or piece of equipment is identified on the plans or in the specifications by reference to manufacturers' or vendors' trade names, catalogue numbers, etc., it is intended merely to establish a standard; and, any materials, article or equipment of other manufacturers and vendors which will perform adequately the duties imposed by the general design will be considered equally acceptable provided the material, article or equipment so proposed is, in the opinion of the Director of Public Works, at least equal in quality, durability, appearance, strength and design, will perform at least equally the function imposed by the general design for the public work being contracted for or the material being purchased, and conforms substantially, even with deviations, to the detailed requirements for the item in the said specifications. It shall not be purchased or installed by the Contractor without the Director's written approval.

14. Survey's Permits and Regulations

The Contractor shall be responsible for all additional surveys/layouts necessary for the execution of the work.

The Contractor shall procure and pay for all permits, licenses

and approvals necessary for the execution of his contract.

The Contractor shall strictly comply with all laws, ordinances, rules, orders and regulations relating to performance of the work, the protection of adjacent property and the maintenance of passageways, guard fences or other protective facilities.

15. Contractor's Obligations

The Contractor shall and will, in a good and 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 and/or proper to perform and complete all the work required by and reasonably inferable from this Contract, within the time herein specified, in strict accordance with the provisions of this Contract and said specifications and in accordance with the plans and drawings covered by this Contract any and all supplemental plans and drawings, and in accordance with the directions of the Director of Public Works 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, strictly 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 Director of Public Works and the Owner.

16. Weather Conditions

In the event of temporary suspension of work, or during inclement weather, or whenever the Director of Public Works shall direct, the Contractor will, and will cause his Subcontractors to protect carefully his and their work and materials against damage or injury from the weather. If, in the opinion of the Director of Public Works or his designee, 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 his work, such materials shall be removed and replaced at the expense of the Contractor.

17. Protection of Work and Property-Emergency

The Contractor shall at all times safely guard the Owner's property from injury or loss in connection with the Contract. He shall at all times safely guard and protect his own work, and that of adjacent property from damage. The Contractor shall replace or make good any such damage, loss or injury to the extent caused, in whole or in part, directly or indirectly, by Contractor, its employees, subcontractors or suppliers or any person for whom Contractor is responsible.

In case of an emergency which threatens loss or injury of property, and/or safety of life, the Contractor will be allowed to act, without previous instructions from the Director of Public Works, in a diligent manner to address such emergency. He shall

notify the Director of Public Works immediately thereafter. Any claim for compensation by the Contractor due to such extra work shall be submitted for consideration to the Director of Public Works in writing within 21 days of the onset of the emergency.

18. Inspection

The authorized representatives and agents of the Owner shall be permitted to inspect all work, materials, payrolls, records of personnel, invoices of materials and other relevant data and records at any reasonable time with or without notice.

19. Reports, Records and Data

The Contractor shall submit to the Owner such schedule of quantities and costs, progress schedules, payrolls reports, estimates, records and other data as the Owner may request concerning work performed or to be performed under the Contract.

20. Superintendence by Contractor

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. It is understood that such representative shall be acceptable to the Director of Public Works, or designee, and shall be one who can be continued in that capacity for the particular job involved unless he ceases to be on the Contractor's payroll, provided that any approval or lack of approval of the Director of any such representative shall not relieve Contractor of its obligations hereunder.

21. Changes in Work

No changes in the work covered by the approved Contract Documents shall be made without having prior written approval of the Owner. Charges or credits for the work covered by the approved change shall be determined by one or more or a combination of the following methods, at the sole election of Owner:

- (a) *Unit bid prices previously approved.*
- (b) *An agreed lump sum.*
- (c) *The actual cost of:*
 - (1) *Labor, including foremen.*
 - (2) *Materials entering permanently into the work.*
 - (3) *The ownership or rental cost of construction plant and equipment during the time of use on the extra work.*
 - (4) *Power and consumable supplies for the operation of power equipment.*
 - (5) *Insurance.*
 - (6) *Wages to be paid.*

To the cost under (c) there shall be added a fixed fee to be agreed upon but not to exceed fifteen percent (15%) of the actual

cost of work. The fee shall be compensation to cover the cost of supervision, overhead, bond, profit and any other general expenses.

22. Time for Completion and Liquidated Damages

It is hereby understood and mutually agreed, by and between the Contractor and the Owner, that the date of beginning and the time for substantial completion of the work to be done hereunder are ESSENTIAL CONDITIONS of the Contract; and it is further mutually understood and agreed that the work embraced in this Contract shall be commenced on the date specified in a "Notice to Proceed" to be issued by the Owner.

The Contractor agrees that said work shall be prosecuted regularly, diligently and uninterruptedly at such rate of progress as will ensure substantial completion thereof within the time specified. It is expressly understood and agreed, by and between the Contractor and the Owner, that the time for substantial completion of the work described herein is a reasonable time for the substantial completion of the same, taking into consideration the average climatic range and usual industrial conditions prevailing in this locality.

If the said Contractor shall neglect, fail or refuse to substantially complete the work within the time herein specified, or any property extension thereof granted by the Owner, then the Contractor does hereby agree, as a partial consideration for the awarding of this Contract, to pay to the Owner the amount specified below, not as a penalty, but as liquidated damages for each and every calendar day the Contractor shall be in default after the time stipulated in the Contract for substantially completing the work.

The said amount of liquidated damages is fixed and agreed upon by and between the Contractor and the Owner because of the impracticability and extreme difficulty of fixing and ascertaining the actual damages the Owner would sustain in such event and said amount shall be retained from time to time by the Owner from current periodic estimates.

It is further agreed that time is of the essence of each and every portion of this Contract and of the specifications wherein a definite and certain length of time is fixed for the performance of any act whatsoever; and where under the Contract as additional time is allowed for the completion of any work, the new time limit fixed by such extension shall be of the essence of this contract.

Notwithstanding the foregoing, and notwithstanding anything to the contrary in the Contract Documents, the Owner may, at its sole election and in its sole discretion, recover its actual damages in lieu of liquidated damages for any delay caused in whole or in part, directly or indirectly, by Contractor, its employees, subcontractors, suppliers or any person for whom Contract is responsible.

In the event Contractor is delayed through no fault of its own, it may make claim for an extension of time (only) as follows: The Contractor shall within ten (10) days from the earlier of the date of the event giving rise to its claim, the date on which the delay commenced, or the date on which Contractor knew or should have known of its claim, notify the Owner in writing of the existence and causes of the delay, and request an extension of time to complete the work and include therein the length of extension requested, and shall provide such other information as the Owner may reasonably request. Failure to comply strictly with the above notice procedure shall result in the waiver of any such claim. In addition, Contractor agrees that in the event it initiates any proceeding against Owner on account of any delays or the assessment of liquidated damages and Contractor is found to have failed to strictly comply with the aforesaid notice process, Contractor shall pay Owner's attorneys' and expert witness fees incurred in defending any such proceeding. Notwithstanding the foregoing, any decision of the Owner or its designee on any claim of Contractor for an extension of time to complete the work shall be final and binding on the Contractor under G.L. c. 30, § 39J.

The amount of liquidated damages for this project shall be Zero Dollars (\$0.00) per consecutive calendar day.

23. Correction of Work

All work, all materials, whether incorporated in the work or not, all processes of manufacture, and all methods of construction shall be at all times and places subject to the inspection of the Director of Public Works or his designee who shall be the final judge of the quality and suitability of the work, materials, processes of manufacture and methods of construction for the purposes for which they are used. Should they fail to meet his approval they shall be forthwith reconstructed, made good, replaced and/or corrected, as the case may be, by the Contractor at his own expense. Rejected materials shall immediately be removed from the site. If, in the opinion of the Director of Public Works, it is undesirable to replace any defective or damaged materials or to reconstruct or correct any portion of the work injured or not performed in accordance with the Contract Documents, the compensation to be paid to the Contractor hereunder shall be reduced by such amount as in the judgment of the Director shall be equitable.

24. Subsurface Conditions Found Different

Should the Contractor encounter subsurface and/or latent physical conditions at the site materially differing from those shown on the plans or indicated in the specifications for which an equitable adjustment is required under G.L. c. 30, § 39N, he shall immediately upon discovering such conditions and before disturbing same give written notice to the Director of Public Works of such conditions. The Director of Public Works will thereupon promptly investigate the conditions, and if he finds that they materially differ from those shown on the plans or indicated in the specifications and an equitable adjustment is

required by G.L. c. 30, § 39N, an appropriate change order shall be prepared for such adjustment in accordance with Paragraph 21, above, including any credits to Owner and/or additional compensation to Contractor, as the case may be. Notwithstanding the foregoing, Contractor will be eligible for an equitable adjustment on account of said conditions if and only if such adjustment is required by G.L. c. 30, § 39N.

Failure to comply with the notice procedure stated above shall result in the waiver of Contractor's claim. Moreover, any decision of the Owner or its designee on any claim of the Contractor under this paragraph shall be final and binding on the Contractor under G.L. c. 30, § 39J. Contractor agrees that in the event it initiates any proceeding against Owner on account of any claim for equitable adjustment due to subsurface or latent physical conditions for which Contractor had failed to strictly comply with the aforesaid notice process, Contractor shall pay Owner's attorneys' and expert witness fees incurred in defending any such proceeding.

25. Right of the Owner to Terminate Contract

The Owner may terminate this Contract by providing the Contractor with ten (10) days written notice for the reasons stated below:

- (a) Violation of any of the provisions of this Contract by the Contractor or any of his/her subcontractors, or of any federal, state or local law or regulation applicable to the project work.
- (b) A determination by the Owner that the Contractor has engaged in fraud, waste, mismanagement, misuse of funds, or criminal activity with any funds provided by this Contract.
- (c) Failure of the Contractor, for any reason, to fulfill in a timely and proper manner its obligations under this Contract, including timely prosecution and completion of the work unless an extension of time to complete the work has been granted by the Owner via a signed Change Order.

The Owner shall not be required to give notice of termination to Contractor's surety, if any, provided that nothing herein shall preclude Owner from making claim on any performance bond issued by any surety.

If the Owner determines that a continuation of work on the project would endanger the life, health, or safety of those working or living at or near the project site, or that immediate action is necessary to protect public funds and/or property, the Owner may suspend work or terminate this agreement by providing notice to the Contractor in the form of telegram, mailgram, hand-carried letter, or other appropriate written means.

Owner may also terminate the Contractor for its convenience, including for no reason, upon 30 days' written notice. In the

event of any such termination, Contractor shall be paid for all work satisfactorily performed to the date of termination. Contractor shall not be entitled to any lost profits or other damages.

26. Payments to Contractor

- (a) Provided an agreed upon form of application for payment is received by the fifth day of the month, not later than the twentieth (20th) day of each calendar month the Owner shall make a progress payment to the Contractor on the basis of a duly certified and approved estimate of the work performed during the preceding calendar month under this Contract, less five percent (5%) of the amount of each estimate until final completion and acceptance of all work covered by this Contract, and the value of any claims of the Owner against Contractor.
- (b) In preparing estimates, the material delivered and properly stored on the site may be taken into consideration if and to the extent approved by Owner.
- (c) Notwithstanding any certification or lack of certification by the Owner or its agents or representatives, the Owner may withhold the value of its claims against the Contractor from amounts otherwise payable to Contractor.

27. Indemnification

The Contractor shall comply with the requirements of all applicable laws, rules and regulations in connection with the services of the Contractor, and shall exonerate, indemnify and hold harmless the Owner's officers, agents, and all employees from and against them, and local taxes or contributions imposed or required under the Social Security, Worker's Compensation, and Income Tax laws. Further, the Contractor shall exonerate, indemnify and hold harmless the Owner with respect to any damages, expenses or claims arising from or in connection with any of the work performed or to be performed under this Contract. This obligation of the Contractor is in addition to, and shall not be construed as a limitation of, the Contractor's liability under any other provision of the Contract or law and any other rights and remedies available to the Owner.

28. Acceptance of Final Payment Constitutes Release

The acceptance by the Contractor of final payment shall be and shall operate as a release to the Owner of all claims and all liability to the Contractor. No payment, however, final or otherwise, shall operate to release the Contractor or his Sureties from any obligations under the Contract or the performance and payment bond.

29. Insurance

The Contractor shall not commence work under this Contract until

he has obtained all the insurance required by the Bidding Document and such insurance has been approved by the Owner, nor shall the Contractor allow any subcontractor to commence work on this subcontract until the insurance required of the subcontractor has been so obtained and approved.

30. Assignments

The Contractor shall not assign or subcontract the whole or any part of this Contract or any monies due or to become due hereunder without written consent of the Owner. In case the Contractor assigns, with Owner's consent, all or any part of any monies due or to become due under this Contract, the assignee shall be bound by the terms of the Contract Documents and its right, if any, in and to any monies due or to become due to the Contractor shall be subject to, among other things, prior claims of all the Owner, and of all persons, firms and corporations of services rendered or materials supplied for the performance of the work called for in this Contract.

31. Authority of the Director of Public Works

Where ever the Contract Documents there is a reference to the Director of Public Works, such reference shall be to the Director or his designee, which may be an independent third-party engineer retained by Owner. The Director of Public Works or his designee shall give all orders and directions contemplated under this Contract and specifications relative to the execution of the work. The Director or his designee shall determine the amount, quality, acceptability and fitness of the several kinds of work and materials which are to be paid for under the Contract and shall decide all questions which may arise in relation to the interpretation of the Contract Documents, said work and the construction thereof. The Director's estimates and decisions shall be final and conclusive under G.L. c. 30, § 39J. In case any question shall arise between the parties hereto relative to said Contract and specifications, the determination or decision of the Director 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 Director or his designee 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, which decision shall be final and binding as aforesaid.

32. Notice and Service Thereof

Any notice to any Contractor from the Owner relative to any part of this Contract shall be in writing and considered delivered and the service thereof completed, when said notice is posted, by certified or registered mail or by other method of delivery for which a delivery receipt is generated (including facsimile or e-mail, if a deliver receipt is generated), to the said Contractor at his last given address, or delivered in person to the said Contractor or his authorized representative on the work.

33. Subcontract

The successful bidder cannot assign or subcontract, in whole or in part, the contract or any work thereunder without Town's prior written consent, which the Town may withhold in its sole discretion.

34. Suspension of or Delays to the Work: No Damages for Delay

Notwithstanding anything to the contrary in the Contract Documents, if the Contractor or the work is delayed through no fault of Contractor for any reason, including, but not limited to, acts of the Owner, Contractor's sole remedy, if any, shall be an extension of time to complete the work, provided Contractor makes a claim for such an extension in strict accordance with the process set forth in paragraph 22, above. Under no circumstances shall the Contractor be entitled to make or assert or recover for any claim for damages by reason of any such delay, whether such a claim is characterized as one for delay, having to perform out-of-sequence work, or loss of production, or otherwise.

35. Access to Records

The Contractor shall maintain accounts and records, including personnel, property and financial records, adequate to identify and account for all costs pertaining to the Contract and such other records as may be deemed necessary by the Town to assure proper accounting for all project funds. These records will be made available for audit purposes and/or inspection to the Owner or its designee or any authorized representative, and will be retained by Contractor for three years after final completion of all work.

36. Non-Discrimination

The Contractor shall not discriminate in violation of any applicable federal, state and local law or regulation, including the following: Title VI of the Civil Rights Act of 1964 (Public Law 88-352), and the regulations issued pursuant thereto by HUD (24 CFR Part 1); Title VIII of the Civil Rights Act of 1968 (Public Law 90-284), as amended; Section 109 of the Housing and Community Development Act of 1974, and the HUD regulations issued pursuant thereto (24 CFR 570.601); Federal Executive Order 11063, as amended by Executive Order 12259 and the HUD regulations issued pursuant thereto (24 CFR 107); Executive Order 11246 and the rules, regulations and relevant orders of the U.S. Secretary of Labor, if applicable; The Age Discrimination Act of 1975 (42 U.S.C. 6101 et seq.); Section 402 of the Veterans of the Vietnam Era Act. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794); Massachusetts General Laws Chapter 151B, section 1 et seq.; State Executive Order 74 as amended and revised by Executive Orders 116,143 and 227, and EOCD regulation, procedures or guidelines; Title II of the Uniform Relocation Assistance and Real Property, Acquisition Policies Act of 1979; and EOCD guidelines, procedures, or regulations.

The Contractor shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, age, handicap, or national origin. Noncompliance by the Contractor with the non-discrimination clauses of this Contract shall constitute a material breach of the Contract.

37. Termination of Contract

In addition to any other rights of Owner to suspend or terminate the Contract: The Owner may suspend or terminate this Contract by providing the recipient with ten (10) days written notice for failure of the Contractor, for any reason, to fulfill in a timely and proper manner its obligations under this Contract including compliance with applicable federal, state or local laws or regulations.

38. Schedule of Salaries and Wages

The minimum wage rates and health and welfare fund contributions applicable to this Contract as determined by the Director, Division of Occupational Safety, Commonwealth of Massachusetts under the provisions of the Massachusetts General Laws, Chapter 149, Sections 26 and 27D, inclusive as amended are attached hereto and incorporated herein. The greater of Federal wage rates or State prevailing wage rates, when both are applicable, shall be paid under this contract and reported as required.

39. Labor Provisions

- (a) In the employment of mechanics and apprentices, teamsters, chauffeurs and laborers by the Contractor and Subcontractors, preference shall first be given to citizens of the Commonwealth who have been residents of the Commonwealth for at least six months at the commencement of their employment, who are male veterans as defined in clause forty-third of G.L. c. 4, s. 7 and who are qualified to perform the work to which the employment relates; and secondly, to citizens of the Commonwealth generally who have been residents of the Commonwealth for at least six months at the commencement of their employment, and if they cannot be obtained in sufficient numbers, then to citizens of the United States, in accordance with G.L. c. 149, s. 26.
- (b) The minimum rates of wages to be paid mechanics and apprentices, chauffeurs, teamsters and laborers shall be set forth in the schedule of rates of wages determined by the Commissioner of Labor and Industry.
- (c) In accordance with G.L. c. 149, s 34A, the Contractor shall, before commencing performance of the contract, provide by insurance for the payment of compensation and the furnishing of other benefits under chapter one hundred and fifty-two to all persons to be employed under the contract, and the Contractor shall continue such insurance in full force and effect during the terms of the contract. Sufficient proof of compliance with

this section must be furnished at the time of execution of this contract. Failure to provide and continue in force such insurance as aforesaid shall be deemed a materials breach of the contract and shall operate as an immediate termination thereof. The attention of the Contractor is directed to that portion of G.L. c. 149, s. 34A which provides that whoever violates any of its provisions shall be punished by a fine of not more than one hundred dollars or by imprisonment for six months, or both; and, in addition, any Contractor who violates any provision of this section shall be prohibited from contracting, directly or indirectly, with the Commonwealth or any political subdivision thereof for the construction, alteration, demolition, maintenance or repair of, or addition to, any public works or public building for a period of two years from the date of conviction of said violation.

- (d) The Contractor shall pay to any reserve police officer employed by him prevailing rate of wage paid to regular police officers, as required by G.L. c. 149, s. 34B.

40. Environmental Requirements

The Contractor shall comply, where applicable, with: Federal Executive Order 1199218, Floodplain Management, May 24, 1977 (42 FR 26951 et. seq.) particularly section 2 (a); the Coastal Zone Management Act of 1972 (16 U.S.C. 1451 et. seq.), as amended, particularly section 307 (c) and (d) (16 U.S.C. 1456 (c) and (d)); the Safe Water Drinking Act of 1974 (42 U.S.C. 201, 300 (f) et seq., and 21 U.S.C. 349), as amended; the Endangered Species Act of 1973 (16 U.S.C. 1531 et. seq.) as amended, particularly section 7 (16 U.S.C. 1536; the Wild and Scenic Rivers Act of 1968 (16 U.S.C. 1271 et. seq.) as amended, particularly section 7 (b) and (c) (16 U.S.C. 1278 (b) and (c)); the Clean Air Act (42 U.S.C. 7401 et seq.) as amended, particularly section 176 (c) and (d) (42 U.S.C. 7506 (c) and (d)); HUD Environmental Criteria and Standards (44 FR 40860-40866, July 12, 1979); "The American Standard Specification for Making Buildings and Facilities Accessible to and Usable by the Physically Handicapped," Number A-117.4-R 1971, subject to the exceptions contained in 41 CFR 101-19-604; and any corresponding provisions of State and local laws and regulations. The Contractor shall also comply, where applicable, with the National Environmental Policy Act of 1969, Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, Flood Disaster Protection Act of 1973, National Flood Insurance Act of 1968, and Protection of Wetlands Laws.

41. Historic Preservation

The Contractor shall, in the performance of any environmental assessments under the National Policy Act, and the Massachusetts Environmental Policy Act, comply with section 106 of the National Historic Preservation Act of 1966 (16 U.S.C. 470), Federal Executive Order 11593, and the Preservation of Archaeological and Historic Data Act of 1966 (17 U.S.C. 469 a-1 et seq.), by (a) consulting with the State Historic Preservation Officer to

identify properties listed in or eligible for inclusion in the National Register of Historic Places that are subject to adverse effect (see 36 CFR Part 800.8) by the proposed activity, and (b) complying with all requirements established by HUD to avoid or mitigate adverse effects upon such properties.

42. Interest of Contractor and Employees

The Contractor covenants that he presently has no interest and shall not acquire interest, direct or indirect, that violates or will with the passage of time result in a violation of G.L. c. 268A. The Contractor further agrees that in the performance of this contract, no person having any such interest in violation of said law shall be employed.

43. Severability

If any provision of this Agreement is held invalid, the remainder of the Agreement shall not be affected thereby, and all other parts of this Agreement shall nevertheless be in full force and effect.

44. Claims for Additional Compensation

In the event the Contractor believes it is due additional compensation for extra work or otherwise, except for claims on account of subsurface and latent physical conditions, which claims shall be made as stated above, the Contractor shall, within ten (10) days from the earlier of the date of the event giving rise to its claim, the date on which the delay commenced, or the date on which Contractor knew or should have known of its claim, submit its claim in writing to the Owner, describing in reasonable detail the basis of the claim, the event giving rise to the claim, and an itemization of the additional compensation requested. Notwithstanding the foregoing, if such claim is for extra work, such claim must be submitted before the alleged extra work is performed.

Failure to comply strictly with the above notice procedure shall result in the waiver of any such claim. In addition, Contractor agrees that in the event it initiates any proceeding against Owner on account of any claims for additional compensation and Contractor is found to have failed to strictly comply with the aforesaid notice process, Contractor shall pay Owner's attorneys' and expert witness fees incurred in defending any such proceeding. Notwithstanding the foregoing, any decision of the Owner or its designee on any claim of Contractor for additional compensation shall be final and binding on the Contractor under G.L. c. 30, § 39J.

45. In the event of any conflict or inconsistency between and among the provisions of the Contract Documents, the provision resulting in the greatest quantity and better quality of goods and services or, if the foregoing does not resolve the conflict or inconsistency, the provision resulting in less cost or risk to the Owner, as reasonably determined by the Owner, shall control. Any decision of the Owner or its designee on such resolution

shall be final and binding on the Contractor under G.L. c. 30, §
39J.

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CONTRACTUAL LIABILITY

To the fullest extent permitted by Laws and Regulations, CONTRACTOR shall indemnify, and hold harmless OWNER and its consultants, agents and employees from and against all claims, damages, losses and expenses, direct, indirect or consequential (including but not limited to fees and charges of designers, architects, attorneys and other professionals and court and arbitration costs) arising out of or resulting from performance of the Work, provided that any such claim, damage, loss or expense(s) is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself) including the loss of use resulting therefrom and (b) is caused in whole or in part by any negligent act or omission of CONTRACTOR, any subcontractor, any person or organization directly or indirectly employed by any of them to perform or furnish any of the Work or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder or arises by or is imposed by Law and Regulations regardless of the negligence of any such party.

In any and all claims against OWNER or any of its consultants, agents or employees by any employee of CONTRACTOR, and subcontractor, any person or organization directly or indirectly employed by any of them to perform or furnish any of the Work or anyone for whose acts any of them may be liable, the indemnification obligation under the above paragraph shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for CONTRACTOR or any such subcontractor or other person or organization under workers' or workmen's compensation acts, disability benefit acts or other employee benefits acts.

Policies for General Liability, Automobile Liability, Workers' Compensation Insurance, and Umbrella Liability shall remain in effect during the one year correction period.

Such insurance as is herein certified applies to all operations of the insured in connection with, and necessary and incidental to, the work herein described at the locations stated.

It is hereby understood and agreed that the above policies will not be restrictively amended, materially changed nor canceled without 30 days advance notice by registered mail to OWNER.

Authorized Representative Signature
(Include Evidence of Authorization)

Address

ATTACHMENT 1

TECHNICAL SPECIFICATIONS

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TECHNICAL SPECIFICATIONS and PLANS

The following Items reflect special conditions particular to this project. As such, they amend and/or supplement the provisions governing the item as described in the Massachusetts Highway Department's Standard Specifications and Supplemental Specifications.

ITEM 120.1 UNCLASSIFIED EXCAVATION

CUBIC YARD

The work under this Item shall conform to the relevant provisions of Section 120 of the Standard Specifications, as directed by the Engineer, and the following:

The satisfactory removal and disposal of unsuitable materials as encountered at the time of construction, and as directed by the Engineer, which is not otherwise specified under other contract items.

Any fine grading and compacting of the underlying material prior to the placement of new materials shall be considered incidental to this item.

The work shall also consist of the removal and disposal of water gate boxes that require replacement, signs, and sign posts as directed by the Owner or Engineer.

Edges of excavations made in existing pavements shall be squared by saw cutting with power-driven tools to provide a neat, clean edge for joining new pavement as shown on the Plans. Ragged, uneven edges will not be accepted. Pavement areas which have been broken or undermined shall be edged neatly with minimum disturbance to the remaining pavement.

Where new driveways abut existing pavements to remain, existing pavement shall be saw cut. Where sod is removed for street widening, sod shall be evenly cut to a clean edge. Care shall be exercised not to damage trees outside the limits of the project.

Note: the Contractor shall be responsible for contacting DIGSAFE to mark out utilities prior to starting work.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

All excavation will be measured in its original position by the cross section method, or by measuring the surface area to be removed and depth to be removed, except where such measurement is impracticable, then the volume shall be measured by such other methods as the Engineer may determine.

All classes of excavation will be measured and paid for at the Contract unit price per Cubic Yard, which price shall be full compensation for all cost encountered including fine grading and compacting and any incidentals necessary to complete the work for which payment is not otherwise specified under other contract items.

ITEM 129.01 PAVEMENT MILLING (AREAS 2'-4' WIDE)

SQUARE YARD

The work under this Item shall conform to the relevant provisions of Section 120 of the Standard Specifications, as directed by the Engineer, and the following:

The work shall consist of removing, by cold-planer, asphalt pavement in designated areas for patch/trench repair to the existing pavement surface or to allow a smooth transition and/or overlap from the new hot mix asphalt overlay.

Transition areas between existing and proposed pavement shall be constructed to maintain the grade of the roadway in order to produce a smooth transition without dips or bumps.

CONSTRUCTION METHODS

A three inch cut to predetermine grade or any specified lesser depth may be required in one pass. The length and width of the excavation will be determined by the Engineer.

The milled surface shall conform generally to the grade and cross slope required. The surface shall not be torn, gouged, shoved, broken or excessively grooved. It shall be free of imperfections in workmanship that prevent resurfacing after this operation. Surface texture shall be as specified by the Engineer and excess material shall be swept and removed so that the surface is acceptable to traffic if required.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

This item shall be measured and paid for at the contract unit price per Square Yard, which price shall include the cost of furnishing all labor and equipment necessary to complete the milling including the removal of pavement by other means, the removal and disposal of milled material, and cleaning the resultant surface after milling.

ITEM 151.02 GRAVEL BORROW

TON

The work under this Item shall conform to the relevant provisions of Section 150, 170, 401 of the Standard Specifications, as directed by the Engineer and the following:

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Gravel borrow will be measured and paid for at the Contract unit price per Ton, which price shall include all labor, materials, equipment and incidental costs, including fine grading and compacting required to complete the work.

<u>ITEM 201.</u>	<u>CATCH BASIN (4.0' DIA)</u>	<u>EACH</u>
<u>ITEM 201.1</u>	<u>CATCH BASIN (5.0' DIA)</u>	<u>EACH</u>
<u>ITEM 201.3</u>	<u>CATCH BASIN (4.0' DIA) WITH LEACHING TOP</u>	<u>EACH</u>
<u>ITEM 202.</u>	<u>MANHOLE</u>	<u>EACH</u>
<u>ITEM 204.</u>	<u>GUTTER INLET</u>	<u>EACH</u>

The work under these items shall conform to the relevant provisions of Sections 200 of the Standard Specifications, as directed by the Engineer, and the following:

All castings located within the pavement area shall not be set to finished grade until after the binder course has been placed.

All catch basins, manholes, gutter inlets, and pipes shall be placed on a bedding of 6 inches crushed stone. Excavation shall be included in the cost of the structure and pipe, while the crushed stone shall be paid for under the unit price for Item 156. Crushed Stone.

All joints in catch basins, manholes, and gutter inlets shall be water tight inside and outside using a non-shrinking grout.

Cone sections of manholes and catch basins shall be replaced by flat top sections or eccentric sections as needed at no additional cost.

All frames shall be set on a minimum of two courses of mortared brick or precast grade rings as specified in the Standard Specifications. Cost of such work shall be included in the cost of the structure or item of which it forms a part. All frames shall be set in a concrete collar.

Where new catch basins or manholes are shown on the drawings to be constructed over existing pipes, the work shall also include the connecting of the pipe to the structures and the necessary cutting and removal of the existing pipe within the structures. The existing pipe shall be neatly cut to provide a smooth uniform face flush with the inside wall surface of the structure and totally removed or neatly cut longitudinally and partially removed to retain the lower half of the existing pipe barrel to form the required (manhole) shaped invert.

Manhole steps shall be aluminum drop-front types. All steps shall be cast into the walls of the precast sections to form a continuous ladder with a distance of 1' between steps. Aluminum manhole steps shall be coated with zinc chromate paint where embedded in concrete.

All proposed catch basins shall be constructed with a minimum 4-foot sump. No additional compensation will be allowed for deep sumps.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Catch basins, manhole, and gutter inlet will be measured and paid for at the Contract unit price per "Each", which price shall include all labor, materials, equipment and incidental costs required to complete the work. No separate payment will be made for excavation regardless of

depth, or for sawcutting pavement, but all costs in connection therewith shall be included in the Contract unit price bid.

Crushed stone for bedding shall be paid for under the unit price for Item 156. Crushed Stone.

ITEM 205.1 LEACHING BASIN (INCLUDING STONE & FABRIC) EACH

The work under these items shall conform to the relevant provisions of Sections 200 of the Standard Specifications and the following:

This item includes and consists of the installation of pre-cast leaching structures, as herein specified, with two (2) feet minimum of crushed stone surrounded with permeable geo-textile filter fabric placed all around the pits.

MATERIALS

The pre-cast leaching structures (6.0' x 6.0' inner dimensions) shall conform to the requirements of Section M4.02.14. Components shall be constructed of Pre-cast Portland Cement concrete to withstand H-20 loading.

Frames and Covers, when called for, shall be 8 inch LeBaron Foundry LK110A or approved equal. Cement mortar shall conform to the requirement of Section M4.02.15, and shall have a minimum of 4 inches of brick, for adjustment, from the precast top to the bottom of the frame.

Washed crushed stone, ¾" to 1 ½" size shall conform to the relevant provisions of section M2.01.2.

Filter fabric shall conform to the requirements of Section M9.50.0, for drainage blanket type IV fabric. The filter fabric shall be joined by either sewing or overlapping. All seams shall be subject to the approval of the Engineer. Overlapping seams shall have a minimum overlap of 12". In repair condition, a permeable geotextile patch shall be placed over the damaged area and extend 3 feet beyond the perimeter of the tear or damage.

Gravel Base shall conform to the requirements for Gravel Borrow Section M1.03.0 Type C. When placed in paved areas a minimum of 12 inches of recycled asphalt base and 4 inches of bituminous Concrete shall be placed. All materials will be subject to the approval of the Engineer.

CONSTRUCTION

The pre-cast leaching structures shall be constructed on prepared foundation and shall conform to the dimensions and locations shown on the Plans. The basins shall be set plumb on a prepared crushed stone bed of at least 6 inches. Two (2) feet minimum of crushed stone shall be placed all around the pits. The top surface of the crushed stone backfill shall be uniform and level and covered completely with the filter fabric. Enlargement of structure wall knockouts, if required to

receive the entering pipes, shall be neatly cut without excessive over breakage. The remaining space in the structure walls around the pipes shall be completely filled with cement grout for the full thickness of the structure wall. Risers shall be used such that Frames and Covers are within 6 inches of grade.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Leaching basin (including stone & fabric) will be measured and paid for at the Contract unit price per Each, which price shall include all labor, materials, equipment and incidental costs required to complete the work. No separate payment will be made for sawcutting, excavation, crushed stone, filter fabric, tank risers, pipe connections, and all other incidental work necessary for completion of this item, but all costs in connection therewith shall be included in the Contract unit price bid.

If required by the Engineer, any Frame and Covers shall be paid for under the unit price for Item 222.3 Frame and Grate (or Cover).

<u>ITEM 220.</u>	<u>DRAINAGE STRUCTURE - ADJUSTED</u>	<u>EACH</u>
<u>ITEM 220.2</u>	<u>DRAINAGE STRUCTURE - REBUILT</u>	<u>FOOT</u>
<u>ITEM 220.3</u>	<u>DRAINAGE STRUCTURE - CHANGE IN TYPE</u>	<u>EACH</u>

The work under this item shall conform to the relevant provisions of Section 200 of the Standard Specifications, and according to Drawings E 201.3.0R and E 202.9.0, as directed by the Engineer, and the following:

The work shall include all necessary excavation of the existing pavement, concrete collars and earth material to obtain access to the masonry and removal of the casting. It shall further involve necessary backfill and compaction of the excavated area and the resetting of the castings as directed by the Engineer.

Excavated holes shall be cut in the pavement in a neat manner with an approximate vertical face. Backfill around the structures shall consist of suitable material, thoroughly compacted with mechanical devices. All excess excavated materials and construction debris shall be removed and disposed of off the site.

All frames shall be set on a minimum of two courses of mortared brick or precast grade rings as specified in the Standard Specifications. The brick to be used shall meet the requirements of Materials Specification M4.05.2 (Clay Brick).

All frames shall be set in a concrete collar, to be constructed using 4,000 PSI, 1-1/2", 565 high early strength (H.E.S.) cement concrete masonry, at no additional cost. All concrete collars will be completely coated with (RS-1) Asphaltic Emulsion before placement of hot mix asphalt.

The concrete collar must allow for the placement of the hot mix asphalt binder course, a minimum of three (3) inches, and shall be filled with hot mix asphalt binder, properly compacted with a hand tamper as part of this work, and prior to the top course paving.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Existing structures to be adjusted or change in type shall be measured and paid for at the Contract unit price per Each, which price shall include all labor, materials, equipment and incidental costs required to complete the work as described above.

Existing structures to be rebuilt shall be measured and paid for at the Contract unit price per Vertical Foot, which shall be measured by the average height in feet from the bottom row of rebuilt masonry to the bottom of the casting, which price shall include all labor, materials, equipment and incidental costs required to complete the work as described above.

For existing structures designated to be rebuilt with undamaged castings, the removal and reset of their existing castings to the line and grade shall be paid for under Item 223. Frame and Grate (or Cover) Removed and Reset.

Hot Mix Asphalt Binder shall be paid for under the unit price for Item 472 – Hot Mix Asphalt for Miscellaneous Work.

ITEM 222.3 FRAME AND GRATE (OR COVER) MUNICIPAL STANDARD EACH
ITEM 222.4 DOUBLE FRAME AND GRATE MUNICIPAL STANDARD EACH

The work under this item shall conform to the relevant provisions of Section 200 of the Standard Specifications, as directed by the Engineer and the following:

- Catch Basin Frame and Grate shall be EAST JORDAN IRON WORKS (5548Z/5520M5) FRAME & GRATE, or approved equal.
- Manhole Frames and Cover shall be EAST JORDAN IRON WORKS (2114Z/2110A1) DRAIN MANHOLE FRAME & COVER, or approved equal.

Manhole covers shall have a diamond pattern; pick holes and the appropriate word “DRAIN” or “SEWER” cast in 3-inch letters to match the corresponding utility.

All castings located within the pavement area shall not be set to finished grade until after the binder course and before top course has been placed.

When setting structures to finished grade “saw cut” will be the only accepted method for hot mix asphalt pavement cutting, and not “compressor cut”, and shall be included under this item.

All frames shall be set on a minimum of two courses of mortared brick or precast grade rings as specified in the Standard Specifications. The brick to be used shall meet the requirements of Materials Specification M4.05.2 (Clay Brick).

All frames shall be set in a concrete collar, to be constructed using 4,000 PSI, 1-1/2", 565 high early strength (H.E.S.) cement concrete masonry, at no additional cost. All concrete collars will be completely coated with (RS-1) Asphaltic Emulsion before placement of hot mix asphalt.

The concrete collar must allow for the placement of the hot mix asphalt binder course, a minimum of three (3) inches, and shall be filled with hot mix asphalt binder, properly compacted with a hand tamper as part of this work, and prior to the top course paving.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Frame and grate (or cover) municipal standard and double frame and grate municipal standard will be measured and paid for at the Contract unit price per Each, which price shall include all labor, materials, equipment, brick, concrete, asphaltic emulsion, and incidental costs required to complete the work.

Hot Mix Asphalt Binder shall be paid for under the unit price for Item 472 – Hot Mix Asphalt for Miscellaneous Work.

ITEM 223. FRAME AND GRATE (OR COVER) - REMOVED AND RESET EACH

The work under this item shall conform to the relevant provisions of Section 220 of the Standard Specifications, according to Drawings E 201.3.0R and E 202.9.0, as directed by the Engineer and the following:

Work under this Item shall consist of removing and resetting frames and covers or grates to designated existing drainage structures being rebuilt.

The work shall include all necessary excavation of the existing pavement, concrete collars and earth material to obtain access to the masonry and removal of the casting. It shall further involve necessary backfill and compaction of the excavated area and the resetting of the castings as directed by the Engineer.

Excavated holes shall be cut in the pavement in a neat manner with an approximate vertical face. Backfill around the structures shall consist of suitable material, thoroughly compacted with mechanical devices. All excess excavated materials and construction debris shall be removed and disposed of off the site.

All castings located within the pavement area shall not be set to finished grade until after the binder course and before top course has been placed.

When setting structures to finished grade "saw cut" will be the only accepted method for hot mix asphalt pavement cutting, and not "compressor cut", and shall be included under this item.

All hydrants whether designated to be "Removed & Reset" or "Adjusted" shall be done so one hydrant at a time. The contractor shall have all the necessary tools, materials, equipment and workmen needed to do the work on site and ready before any hydrant is removed. The contractor shall give at least 48 hours written notice to the Town Fire Department and Water Department prior to working on any hydrant.

The Town Water Department will determine if the existing hydrant should be replaced with a new hydrant to be provided by the Town. Hydrants which will be out of service for more than twenty-four (24) hours shall be replaced by temporary hydrants.

Hydrant Removed And Reset

Hydrants shall be set as shown on the drawings. Hydrants shall be set plumb with the steamer nozzle facing the roadway. Hydrants shall be set so that manufacturers "bury" mark or ground line is at finish grade. If there is no bury mark on the hydrant, the bottom of the breakaway feature shall be a minimum of 2" and a maximum of 4" above finished grade.

Hydrants shall be restrained by using mechanical joint follower glands, rods and clamps, thrust blocks or any combination thereof as required by the Owner or Engineer.

A drainage pit shall be excavated below and around each hydrant and backfilled to a height of at least 12" above hydrant service pipe with crushed stone.

All hydrants to be reset shall be removed in their entirety prior to resetting. Hydrants not reset in accordance with these specifications will not be eligible for payment.

Hydrant Adjusted

Hydrants to be adjusted shall be carefully removed and set on blocks temporarily. The contractor shall install a riser extension of the appropriate length on the existing riser and reset the hydrant. Extension sections used to adjust hydrants shall be ductile iron only and shall adapt readily to the existing hydrant and fittings. Extension sections shall also include extensions for hydrant stem approved by the Town and all fittings. Extensions shall be a minimum of 6-inch long. The final height of the reset hydrant shall be between 2'-6" and 2'-9" as measured from the proposed finished grade to the top of the hydrant.

Hydrants shall be set plumb with the steamer nozzle facing the roadway. Hydrants shall be set with the center of the operating nut 18" back from the face of the curb. Hydrants shall be set so that manufacturers "bury" mark or ground line is at finish grade. If there is no bury mark on the hydrant, the bottom of the breakaway feature shall be a minimum of 2" and a maximum of 4" above finished grade.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Hydrant remove and reset and hydrant adjusted will be measured and paid for at the respective Contract unit prices per Each, which price shall include all labor, materials, equipment and incidental costs required to complete the work as described above. No separate payment will be made for crushed stone drainage well, concrete thrust block, connection to existing, tie rods, connection couplings, restraining glands, megalugs, extension sections, but all costs in connection therewith shall be included in the Contract unit price bid.

ITEM 402.13 DENSE GRADED CRUSHED STONE (VARIOUS) **TON**

The work under this item shall conform to the relevant provisions of Section 402 of the Standard Specifications, as directed by the Engineer and the following:

This material shall be used for the foundation of excavated sections of roadway, areas of box widening, for the buildup of eroded shoulders, and as directed by the Engineer.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

This item will be measured and paid for at the Contract unit price per Ton, which price shall include all labor, materials, equipment and incidental costs, including fine grading and compacting required completing the work.

ITEM 404.51 RECLAIMED PAVEMENT BORROW MAT. (VARIOUS) **TON**

The work under this item shall conform to the relevant provisions of Section 403 of the Standard Specifications, as directed by the Engineer and the following:

This material shall be used for the foundation of excavated sections of roadway, areas of box widening, for the buildup of eroded shoulders, and as directed by the Engineer.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Reclaimed Pavement Borrow Material will be measured and paid for at the Contract unit price per Ton, which price shall include all labor, materials, equipment and incidental costs, including fine grading and compacting required completing the work.

ITEM 460.01. HOT MIX ASPHALT (AREAS 2' - 4' WIDE) **TON**

The work under this Item shall conform to the relevant provisions of Section 460 of the Standard Specifications, as directed by the Engineer and the following:

This Item shall be used as needed and as directed by the Engineer to pave smaller width locations as described under Item 129.01.

All the relevant provisions of Section M3.11.00 shall apply.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Hot Mix Asphalt Areas 2' – 4' Wide shall be measured and paid at the Contract unit price per Ton, which price shall include all labor, materials, equipment, transportation and incidental costs necessary to complete the work to the satisfaction of the Engineer.

ITEM 472. HOT MIX ASPHALT- FOR MISCELLANEOUS WORK **TON**

The work under this item shall conform to the relevant provisions of Sections 420, 460, 472 of the Standard Specifications, as directed by the Engineer and the following:

This material shall be used as needed for the reconstruction of excavated roadway sections, for the repair, setting drainage structure frames, or resurfacing of existing berm, asphalt curb, sidewalks, driveway aprons, and paved waterways, etc.

The maximum lift thickness for the particular material being placed shall not exceed three (3) times the dimension of the largest stone.

In smaller patches and places not accessible with a roller, the mixture shall be thoroughly compacted with mechanical tamping devices. The surface after compaction shall be smooth and true to the established line and grade.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Hot Mix Asphalt for Miscellaneous Work shall be measured and paid at the Contract unit price per Ton, which price shall include all labor, materials, and equipment, transportation and incidental costs necessary to complete the work to the satisfaction of the Engineer.

ITEM 472.6 HOT MIX ASPHALT - FOR BOX WIDENING **TON**

The work under this item shall conform to the relevant provisions of Section 420, 460 and 472 of the Standard Specifications, as directed by the Engineer and the following:

This item shall be used for any required hot mix asphalt base course, binder course and surface course as needed for any box-widening.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Hot Mix Asphalt for Box Widening shall be measured and paid at the Contract unit price per Ton, which price shall include all labor, materials, equipment, transportation and incidental costs necessary to complete the work to the satisfaction of the Engineer.

ITEM 482.3 SAWING ASPHALT PAVEMENT **FOOT**

The work under this item shall conform to the relevant provisions of Section 120 of the Standard Specifications, as directed by the Engineer and the following:

DESCRIPTION

The work shall include the sawcutting of existing asphalt pavement where shown on the plans, and as directed by the Owner or Engineer. Sawcuts shall be made in new and/or existing pavement in areas of excavation, pavement transition limits, in the existing pavement at areas of new or reset curb, at driveways, limits of full depth pavement construction and as directed by the Owner or Engineer.

CONSTRUCTION

Sawcut equipment shall be approved by the Engineer prior to commencing work.

The existing pavement shall be sawcut through its full depth, or to the elevation of the abutting proposed pavement subgrade, whichever is less, at all joints between existing and proposed pavements, and at all utility trenches through existing pavement to remain, to provide a uniform, vertical surface for the proposed pavement joint with the existing pavement.

Sawcut edges that become broken, ragged or undermined as a result of the Contractor's operations shall be resawn prior to the placement of abutting proposed pavement at no additional cost.

Sawcut surfaces in asphalt pavement shall be sprayed or painted with a uniform thin coat of (RS-1) Asphalt Emulsion immediately before placement of hot mix asphalt material against the surface. Sawcut concrete surfaces shall be thoroughly wetted before placing new concrete.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Saw cutting required for the installation of drainage pipes and structures shall be included as part of the respective items of work and shall not be included for payment under Item 482.3.

Sawing Asphalt Pavement shall be measured and paid for at the Contract unit price per Linear Foot, which price shall include all labor, materials, equipment and incidental required to complete the work.

ITEM 520.3 MONOLITHIC CEMENT CONCRETE CURB

FOOT

MUNICIPAL STANDARD

The work under this item shall conform to the relevant provisions of Section 500, 701 of the Standard Specifications, as directed by the Engineer and the following:

All cement concrete under this item unless otherwise noted shall require air-entrained, 4000 psi,

¾" 610, with fiber mesh. This is to be shown on the delivery slips for each truck and countersigned on delivery by the Engineer. Slips without this specifically stated or countersigned by the Engineer on delivery shall not be included for payment.

A minimum of four (4) inches of hot mix asphalt (HMA) shall be placed in front of curbing and compacted to the underlying grade of the proposed wearing surface.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Monolithic Cement Concrete Curb Municipal Standard shall be measured and paid for at the Contract unit price per Linear Foot, which price shall include all labor, materials, equipment and incidental required to complete the work.

<u>ITEM 580.</u>	<u>CURB - REMOVED AND RESET</u>	<u>FOOT</u>
<u>ITEM 583.</u>	<u>EDGING - REMOVED AND RESET</u>	<u>FOOT</u>
<u>ITEM 590.</u>	<u>CURB - REMOVED AND STACKED</u>	<u>FOOT</u>
<u>ITEM 593.</u>	<u>EDGING - REMOVED AND STACKED</u>	<u>FOOT</u>

The work under these items shall conform to the relevant provisions of Section 501 and 580 of the Standard Specifications, and Drawings E 106.3.0R and E 106.5.0, as directed by the Engineer and the following:

The finished reveal of curb and edging shall be set as directed by the Engineer.

Existing curbing to be reused shall be installed in continuous sections and shall not be intermingled with new curbing. Curbing and Edging to be removed and reset may include curb or edging relocated from another location within the project limits.

A minimum of four (4) inches of hot mix asphalt (HMA) shall be placed in front of curbing and compacted to the underlying grade of the proposed wearing surface.

All existing curbing and edging to be removed and reset (or stacked) should be in good condition as determined by the Engineer. In the event that curbing is determined unsuitable by the Engineer, it shall be disposed of by the Contractor, and paid for under Item 120.1.

All curbing and edging to be removed and stacked shall be transported from the work site to the **Town's Highway Garage, at 159 Camelot Drive, Plymouth, Massachusetts** and carefully stacked as directed by the yard foreman.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

These items shall be paid at the Contract unit price per Linear Foot, which payment shall be full compensation for labor, materials, equipment and incidentals necessary to complete the work to the satisfaction of the Engineer.

**ITEM 690 STONE MASONRY WALL- REMOVED AND REBUILT CUBIC YARD
IN CEMENT MORTAR**

**ITEM 690 STONE MASONRY WALL- REMOVED AND REBUILT CUBIC YARD
DRY**

The work under these items shall conform to the relevant provisions of Section 685, 690 of the Standard Specifications, as directed by the Engineer and the following:

This work shall consist of removing, relocating and rebuilding existing stonewalls, planters and landscape walls which interfere with the prosecution of construction.

The portions of existing walls to be rebuilt shall be carefully dismantled and stored by the Contractor until ready for reuse. No walls shall be removed until approved by the Engineer. Any damage or loss of existing wall materials shall be repaired or replaced at the contractor's expense.

Walls shall be rebuilt at locations shown on the plan or as directed by the Engineer. Walls shall be rebuilt using material from the existing wall. The rebuilt wall shall closely match the line and grade established by the Plan or as directed by the Engineer. Where rebuilt walls meet existing walls, the Contractor shall take care to ensure that the rebuilt wall matches the existing wall in height and is integrated into the existing wall.

Rebuilt walls shall be placed on a base that matches the size and type of the base of the existing wall. As a minimum, the Contractor shall provide a 12-inch deep compacted gravel base. The excavation for the base shall be free from all roots, topsoil and other deleterious material.

MATERIALS

Materials shall meet the requirements specified in the following Subsections of Division III, Materials: Stone for Stone Masonry Wall M9.04.4, Cement Concrete M4.02.00, and Mortar M4.02.15.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Stone Masonry Wall Removed and Rebuilt in Cement Mortar, and Stone Masonry Wall Removed and Rebuilt Dry will be measured and paid at the contract unit price per Cubic Yard, which payment shall be full compensation for labor, materials, equipment and incidentals necessary to complete the work to the satisfaction of the Engineer.

Any required gravel for the base and cement concrete for the base shall be measured and paid for under separate items.

ITEM 695 CEMENT CONCRETE BLOCK RETAINING WALL SQUARE FOOT

The work under these items shall conform to the relevant provisions of Section 600 of the Standard Specifications, as directed by the Engineer and the following:

This work shall consist of furnishing all materials, labor, equipment and supervision to install a standard gravity segmental retaining wall system, unreinforced walls up to four (4) feet heights, in accordance with plans and specifications, and in reasonably close conformity with the lines, grades, design and dimensions shown on plans or established by the Engineer.

This following type of segmental retaining wall systems are acceptable to be used on this contract: VERSA-LOK 1-800-770-4525, KEYSTONE 1-888-447-1157, or approved equal.

MATERIALS

The Contractor shall make arrangements to purchase the materials covered by this section of the specifications, including segmental retaining wall units and caps, non-corrosive nylon/fiberglass connection pins, drainage aggregate and pipe, geotextile filter, and all necessary incidentals from a supplier with proven experience in the field.

All backfill material used in the wall construction shall be as specified by the wall designer on the approved wall plans, or relevant section of this specification. Backfill material requirements shown on the drawings and/or the specification indicate the maximum particle size and maximum percentage of fines acceptable for use in the wall design. On-site material is not expected to be suitable as wall backfill.

Backfill placement shall closely follow erection of each course of wall units. Backfill shall be placed in such a manner as to avoid any damage to the wall materials or misalignment of the units. Any wall components which become damaged or disturbed during backfill placement shall either be removed and replaced at the Contractor's expense or corrected as directed by the Engineer.

Segmental Retaining Wall (SRW) Units

- A. SRW units shall be machine formed, Portland cement concrete blocks specifically designed for retaining wall applications.
- B. Color of SRW units shall be standard colors of gray and tan.
- C. Finish of SRW units shall be split-face.
- D. SRW unit faces shall be of straight geometry.
- E. SRW unit height shall be 6 inches.
- F. SRW units shall provide a minimum weight of 120 psf wall face area.
- G. SRW units shall be solid through the full depth of the unit.
- H. SRW units shall have a depth (front face to rear) to height ratio of 2:1, minimum.
- I. SRW units shall be capable of being erected with the horizontal gap between adjacent units not exceeding 1/8 inch.
- J. SRW units shall be interlocked with connecting pins that provide 3/4-inch setback from unit below (yielding a 7-degree cant from vertical).

- K. SRW units shall be sound and free of cracks or other defects that would interfere with the proper placing of the unit or significantly impair the strength or permanence of the structure. Any cracks or chips observed during construction shall fall within the guidelines outlined in ASTM C 1372.
- L. Concrete SRW units shall conform to the requirements of ASTM 1372 and have a minimum net average 28 days compressive strength of 3000 psi. Compressive strength test specimens shall conform to the saw-cut coupon provisions of ASTM C140.
- M. SRW units' molded dimensions shall not differ more than $\pm 1/8$ inch from that specified, as measured in accordance with ASTM C 140. This tolerance does not apply to architectural surfaces, such as split faces.

Segmental Retaining Wall Unit Connection Pins

- A. SRW units shall be interlocked with VERSA-Tuff connection pins, or approved equal. The pins shall consist of glass-reinforced nylon made for the expressed use with the SRW units supplied.

Leveling Pad

- A. Material for leveling pad shall consist of compacted sand, gravel, or combination thereof (USCS soil types GP, GW, SP, & SW) and shall be a minimum of 6 inches in depth. The leveling pad should extend laterally at least a distance of 6 inches from the toe and heel of the lowermost SRW unit.

Drainage Aggregate

- A. Drainage aggregate shall be angular, clean stone or granular fill meeting the following gradation as determined in accordance with ASTM D422:

<u>Sieve Size</u>	<u>Percent Passing</u>
1 inch	100
3/4 inch	75-100
No. 4	0-60
No. 40	0-50
No. 200	0-5

Drainage Pipe

- A. The drainage collection pipe shall be a perforated or slotted PVC, or corrugated HDPE pipe. The drainage pipe may be wrapped with a geotextile to function as a filter.
- B. Drainage pipe shall be manufactured in accordance with ASTM F 405 or ASTM F 758.

Geotextile Filter

- A. Drainage geotextile shall consist of geosynthetic specifically manufactured for use as a preamble soil filter that retains soil while still allowing water to pass throughout the life

of the structure. The type and placement of the geotextile filter material shall be as required by the Engineer.

CONSTRUCTION

Inspection

- A. Contractor's field construction supervisor shall have demonstrated experience and be qualified to direct all work at the site.
- B. Contractor's field construction supervisor is responsible for verifying that the materials supplied by the Contractor meet all the requirements of the specification. This includes all submittals for materials and design, qualifications and proper installation of wall system.

Excavation

- A. Contractor shall excavate to the lines and grades shown on the project grading plans, or as directed by the Engineer. Contractor shall take precautions to minimize over-excavation. Over-excavation shall be filled with compacted infill material, or as directed by the Engineer, at the Contractor's expense.
- B. Contractor shall verify location of existing structures and utilities prior to excavation. Contractor shall ensure all surrounding structures are protected from the effects of wall excavation. Excavation support, if required, is the responsibility of the Contractor.

Foundation Preparation

- A. Following the excavation, the foundation soil shall be examined by the Engineer to assure actual foundation soil strength meets or exceeds the assumed design bearing strength. Soils not meeting the required strength shall be removed and replaced with infill soils, as directed by the Engineer.
- B. Foundation soil shall be proof-rolled and compacted to 95% standard Proctor density and inspected by the Engineer prior to placement of leveling pad materials.

Leveling Pad Construction

- A. Leveling pad shall be placed as shown on the final plans with a minimum thickness of 6 inches. The leveling pad should extend laterally at least a distance of 6 inches from the toe and heel of the lowermost SRW unit.
- B. Granular leveling pad material shall be compacted to provide a firm, level bearing surface on which to place the first course of units. Well-graded sand can be used to smooth the top 1/4 inch to 1/2 inch of the leveling pad. Compaction will be with mechanical plate compactors to achieve 95% of maximum standard Proctor density (ASTM D 698).

SRW Unit Installation

- A. All SRW units shall be installed at the proper elevation and orientation as shown on the final plans and details or as directed by the Engineer. The SRW units shall be installed in general accordance with the manufacturer's recommendations. The specifications and drawings shall govern in any conflict between the two requirements.
- B. First course of SRW units shall be placed on the leveling pad. The units shall be leveled side-to-side, front-to-rear and with adjacent units, and aligned to ensure intimate contact with the leveling pad. The first course is the most important to ensure accurate and acceptable results. No gaps shall be left between the front of adjacent units. Alignment may be done by means of a string line or offset from base line to the back of the units.
- C. All excess debris shall be cleaned from top of units and the next course of units installed on top of the units below.
- D. Two VERSA-Tuff connection pins, or approved equal shall be inserted through the pin holes of each upper-course unit into receiving slots in lower-course units. Pins shall be fully seated in the pin slot below. Units shall be pushed forward to remove any looseness in the unit-to-unit connection.
- E. Prior to placement of next course, the level and alignment of the units shall be checked and corrected where needed.
- F. Layout of curves and corners shall be installed in accordance with the wall plan details or in general accordance with SRW manufacturer's installation guidelines. Walls meeting at corners shall be interlocked by overlapping successive courses.
- G. Procedures C. through F. shall be repeated until reaching top of wall units, just below the height of the cap units. Drainage materials shall be placed in sequence with unit installation as described in Section Drainage Aggregate and Drainage Material Placement.

Drainage Aggregate and Drainage Material Placement

- A. Drainage aggregate shall be installed to the line, grades and sections shown on the plans, or as directed by the Engineer. Drainage aggregate shall be placed to the minimum thickness shown on the construction plans between and behind units (a minimum of 1 cubic foot for each exposed square foot of wall face unless otherwise noted on the final wall plans).
- B. Drainage collection pipes shall be installed to maintain gravity flow of water outside the reinforced-soil zone. The drainage collection pipe shall be installed for walls over 3 feet high, at the locations shown on the final construction drawings, or as directed by the Engineer. The drainage collection pipe shall daylight into a storm sewer or along a slope, at an elevation below the lowest point of the pipe within the aggregate drain. Drainage laterals shall be spaced at a maximum 50-foot spacing along the wall face.
- C. Geosynthetic filter fabric shall be required behind the drainage aggregate. Filter fabric will prevent soils and sands (fines) from migrating into the drainage aggregate and the wall face joints.

Backfill Placement

- A. The backfill shall be placed as shown in the final plans, or directed by the Engineer, in the maximum compacted lift thickness of 8 inches and shall be compacted to a minimum of 95% of standard Proctor density (ASTM D 698) at a moisture content within -1% point to +3% points of optimum. The backfill shall be placed and spread in such a manner as to eliminate movement of the SRW units.
- B. Only hand-operated compaction equipment shall be allowed within 3 feet of the back of the wall units. Compaction within the 3 feet behind the wall units shall be achieved by at least three passes of a lightweight mechanical tamper, plate, or roller.
- C. At the end of each day's operation, the Contractor shall slope the last level of backfill away from the wall facing and reinforced backfill to direct water runoff away from the wall face.
- D. At completion of wall construction, backfill shall be placed level with final top of wall elevation. If final grading, paving, landscaping and/or storm drainage installation adjacent to the wall is not placed immediately after wall completion, temporary grading and drainage shall be provided to ensure water runoff is not directed at the wall nor allowed to collect or pond behind the wall until final construction adjacent to the wall is completed.

SRW Caps

- A. SRW caps shall be properly aligned and glued to underlying units with VERSA-LOK adhesive, or approved equal, a flexible, high-strength concrete adhesive. Rigid adhesive or mortar are not acceptable.
- B. Caps shall overhang the top course of units by 3/4 inch to 1 inch. Slight variation in overhang is allowed to correct alignment at the top of the wall.

Construction Adjacent to Completed Wall

- A. The Contractor or Contract's Representative is responsible for ensuring that construction by others adjacent to the wall does not disturb the wall or place temporary construction loads on the wall that exceed design loads, including loads such as water pressure, temporary grades, or equipment loading. Heavy paving or grading equipment shall be kept a minimum of 3 feet behind the back of the wall face. Equipment with wheel loads in excess of 150 psf live load shall not be operated within 10 feet of the face of the retaining wall during construction adjacent to the wall. Care should be taken by the General Contractor to ensure water runoff is directed away from the wall structure until final grading and surface drainage collection systems are completed.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Cement Concrete Block Retaining Wall will be measured and paid the Contract unit price per Square Foot, which payment shall be full compensation for labor, materials, excavation, geotextile filter, drainage aggregate and drainage materials, equipment and incidentals necessary

to complete the work to the satisfaction of the Engineer.

Required Gravel for the base shall be measured and paid for under separate items.

ITEM 697.1 SILT SACK

EACH

The work under this item includes the furnishing, installation, maintenance and removal of a fabric sack to be installed in drainage structures to prevent silt and sediment from the construction site from entering the storm water collection system. Devices shall be ACF Environmental (800)-448-3636; Reed & Graham, Inc. Geosynthetics (888)-381-0800; The BMP Store (800)-644-9223; Bowhead Environmental & Safety: (800)-909-3677, Ultratech International, (800)-764-9563 Inc. or approved equal.

Silt sacks shall be installed in retained existing and proposed catch basins and drop inlets within the project limits and as required by the Resident Engineer.

The silt sack shall be as manufactured to fit the opening of the drainage structure under regular flow conditions.

Catch basin inserts shall be a reusable sediment control device utilized during construction that mounts under the grate in catch basins, made of a permeable geotextile fabric that allows water to pass but prevents silts and sediment from entering the drainage system. The insert shall be secured from the surface such that the grate can be removed without the insert discharging into the structure.

The filter material shall be installed and maintained in accordance with the manufacturer's written literature and as directed by the Engineer.

Silt sacks shall remain in place until the placement of the pavement overlay or top course and the graded areas have become permanently stabilized by vegetative growth. All materials used for the filter sack will become the property of the Contractor and shall be removed from the site.

The Contractor shall inspect the condition of the silt sacks after each rainstorm and during major rain events. When emptying the insert, the contractor shall take all due care to prevent sediment from entering the structure. Any silt or other debris found in the drainage system at the end of construction shall be removed at the Contractors expense. The silt and sediment from the insert shall be legally disposed of off site. Under no condition shall silt and sediment from the insert be deposited on site and used in construction.

Silt sacks, which become damaged during construction operations, shall be repaired or replaced immediately at no additional cost to the Town.

All curb openings shall be blocked to prevent storm water from bypassing the device.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Silt sacks will be measured and paid at the Contract unit price per Each, which price shall include all labor, materials, equipment and incidental costs required to complete the work. No separate payment will be made for maintenance, removal and disposal of the sediment from the insert, but all costs in connection therewith shall be included in the Contract unit price bid.

Payment shall be made only once for each drainage structure, regardless of how often the sediment collection sack must be cleaned, maintained, disposal of accumulated sediment from the insert or replaced but all costs in connection therewith shall be included in the Contract unit price bid. Used sediment collection sacks, determined to be in suitable condition, may be thoroughly cleaned and reused and shall be considered incidental to the cost of Item 697.1.

<u>ITEM 701.</u>	<u>CEMENT CONCRETE SIDEWALK</u>	<u>SQUARE YARD</u>
<u>ITEM 701.1</u>	<u>CEMENT CONCRETE SIDEWALK AT DRIVEWAYS</u>	<u>SQUARE YARD</u>
<u>ITEM 701.2</u>	<u>CEMENT CONCRETE WHEELCHAIR RAMP</u>	<u>SQUARE YARD</u>
<u>ITEM 701.3</u>	<u>CEMENT CONCRETE PANEL (LESS THAN 250 SF)</u>	<u>SQUARE YARD</u>

Work under this item shall conform to the relevant provisions of Section 701 of the Standard Specifications, as directed by the Engineer and the following:

All cement concrete under these items unless otherwise noted shall require air-entrained, 4000 psi, ¾" 610, with fiber mesh. This is to be shown on the delivery slips for each truck and countersigned on delivery by the Engineer. Slips without this specifically stated or countersigned by the Engineer on delivery shall not be included for payment.

Detectable warning panels shall be installed as shown on the Plans and as detailed in MassDOT Construction Standards. The tile shall conform to Americans with Disabilities Act (ADA) requirements. Detectable warning panels shall be constructed of inlayed prefabricated or cast-in-place, and shall be red in color. Surface applications such as thermoplastic shall not be accepted.

MATERIAL

Cement Concrete Materials for this work shall conform to the requirements of Massachusetts Standard Specifications Section M 4 (Air-Entrained 4,000 psi, ¾", 610) M4.02.0 with fiber mesh. Preformed expansion joint filler and cold poured joint sealer shall conform to Section M9.14.0 and M9.14.3. All materials will be subject to the approval of the Engineer.

CONSTRUCTION

Excavation - Excavation including removal of existing walk shall be made to the required depths below the finish grade as shown on the plans or as directed by the Engineer. "Saw cut" will be the only accepted method for concrete and bituminous concrete pavement cutting.

Gravel base - The coarse material shall be spread uniformly upon the prepared sub-base. The

gravel shall be compacted until it is thoroughly compacted to a firm and uniform surface satisfactory to the Engineer. Any portion of the base which is not accessible to power driven equipment shall be compacted thoroughly with mechanical or hand tampers. The gravel base shall be placed in layers not over four (4) inches in depth and to such a depth that after compaction, it shall be at the specified depth below the finish grade of the Work.

The base shall be wetted and rolled or tamped after the spreading and again before the setting of cement concrete.

Forms - Forms shall be of metal or wood, straight, free from warp and of sufficient strength to resist springing from the pressure of the concrete. If of wood they shall be of two (2) inch surface plank except curves, thinner material may be used. If of metal they shall be of approved section and shall have a flat section on top.

Forms shall be of a depth equal to the depth of 4-inches for sidewalk, 6-inches for sidewalks at driveways, corners, and wheelchair ramps, and 18-inches for monolithic cement concrete curb.

Forms shall be securely staked, braced and held firmly to the required line and grade and shall be sufficiently tight to prevent leakage of mortar. All forms shall be cleaned and oiled or wetted before concrete is placed against them. Sheet metal or plastic templates 1/8 inch in thickness, of full depth and width of the walk, shall be spaced at intervals of twelve (12) feet or as directed. If the concrete is placed in alternate sections, these templates shall remain in place until concrete has been placed on both sides of the template. As soon as the concrete has obtained its initial set, the templates shall be removed.

Placing and Finishing - The concrete shall be placed in alternate slabs 30 feet long except as otherwise ordered. The slabs shall be separated by transverse preformed expansion joint filler 1/2 inch thick and a polyurethane joint sealer.

Preformed expansion joint filler and sealer shall be placed adjacent to or around existing structures as directed by the engineer.

On the foundation as specified above, the concrete shall be placed in such quantity that after being thoroughly consolidated in place it shall be a minimum of 4 inches thick. At driveways, wheelchair ramps and at roadway intersections the sidewalks shall be a minimum of 6 inches thick.

No finishing operation shall be performed while free water is present. Finishing operations shall be delayed until all bleed water and water sheen has left the surface and the concrete has started to stiffen. After water sheen has disappeared, edging operations, where required, shall be completed. After edging and joining operations, the surface shall be floated. Immediately following floating, the surface shall be steel-troweled. If necessary tooled joints and edges shall be rerun before and after troweling to maintain uniformity. After troweling, the surface shall be brushed by drawing a soft-bristled pushbroom with a long handle over the surface of the concrete to produce a nonslip surface.

In conveying the concrete from the place of mixing to the place of deposit, the operation shall be conducted in such a manner that no mortar will be lost, and the concrete shall be so handled that the concrete will be of uniform composition throughout, showing neither excess nor lack of mortar in any one place.

The surface of all concrete sidewalks shall be uniformly scored into block units of areas not more than 36 square feet. The depth of the scoring shall be at least 1/2 inch deep and no more than 1/2 inch wide.

The surface of the concrete shall meet current ADA Handicap Standards. The surface shall be finished with a wood or metal float or by other approved means to provide a straight surface grade from the front to back of the walk unless a break in grade is required to meet ADA requirements. The outside shall be edged with a 1/4 inch radius edging tool.

Preformed expansion Joint Filler and cold poured Joint Sealer shall conform to the requirements of Section M9.04.1, M9.14.0 and M9.14.3 of the "Standard Specifications".

All work shall conform to the latest edition of the MassDOT Construction Standard Details including "detectable warning panels" for wheelchair ramps, and as directed by the Town Engineer.

All work under Scored Cement Concrete Pavement shall conform to the MassDOT Construction Standards E 105.2.0 or later.

Contractor shall establish grade elevations at all wheelchair ramp locations, and shall set transition lengths according to the appropriate table in the Construction Standards, and as shown on Construction Standards E 107.9.0.

All wheelchair ramp joints and transition sections which define grade changes shall be formed staked and checked for dimension, grade and slope conformance prior to placing cement concrete. All grade changes are to be made at joints.

Concrete Curing - All concrete surfaces shall be cured by the spray applicable of a liquid membrane forming material having 100 percent resin base conforming to the requirements of AASHTO M 148, Type II, white pigment.

This shall be applied immediately following the disappearance of the water sheen following the final finishing and before any marked dehydration of the concrete or surface checking occurs. The compound shall be applied in a continuous uniform film at not less than one (1) gallon per 200 square feet. If the temperature is too low for the concrete to cure properly the Contractor will have to replace the affected panels. If rain falls on the newly coated surface before the film has dried sufficiently to resist damage or if the film is damaged in any other way, the Contractor will be required to apply a new coat of material to the affected areas or replace the affected panels.

The treated surface shall be protected by the Contractor until the surface sets up. In most cases this will require arranging for someone to be there. The Contractor shall also be responsible to protect the work from injury or vandalism for a period of at least three (3) days. This method of protection shall be provided at all exposed surfaces and the cost thereof is to be included in the Unit Price for the applicable concrete item.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

These items shall be measured and paid for at the Contract unit bid price per Square Yard, which price shall include all labor, materials, fine grading & compaction of subgrade, selective tree/brush trimming to achieve proper clearance for construction, protection of installed concrete surfaces, furnishing and installing detectable warning panels to ADA requirements, and all other incidental costs to perform the work. Disposal of all cut material shall be the responsibility of the Contractor.

ITEM 706. BRICK WALK ON HOT MIX ASPHALT SETTING BED SQUARE YARD

The work to be done under this item shall conform to the relevant provisions of Section 701 of the Standard Specification, as directed by the Engineer and the following:

The work under this item shall consist of furnishing and laying of brick paving with hand-tight butt joints swept with a sand mix, on mastic adhesive, on a ¾ inch sand-asphalt setting bed, on a 1-1/2 inch hot mix asphalt top course (dense mix), on a 2-1/2 inch hot mix asphalt dense binder course, on a 6 inch minimum gravel base course to the required lines and grades as shown on the Drawings, or as directed by the Engineer. The cross slope of the finished sidewalk shall not exceed 1.5% (2% maximum).

Before proceeding with the work, the Contractor will be required to submit brick samples to the Engineer/Landscape Architect for approval. Samples of brick shall be submitted in whole straps or panels to show the 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.

MATERIALS

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.

The bricks shall be wire cut brick pavers as manufactured by Pine Hall Pavers by Pine Hall Brick, Belden Brick Pavers by Belden Brick Company, or approved equal.

The color shall be Pathway Red, Full Range or an approved equal. 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.

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.

Asphalt 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.

Hot Mix Asphalt - shall conform to Hot Mix Asphalt Top (Dense Mix) and Hot Mix Asphalt Dense Binder.

CONSTRUCTION METHODS

Excavation - shall conform to the requirements of Item 120.1, Unclassified Excavation.

1-1/2 inch Hot Mix Asphalt Top Course and 2-1/2 inch Hot Mix Asphalt Dense Binder Course - shall be placed in accordance with the relevant provisions of Section 701 to the depth after rolling as stated above or shown on the Drawings. The finished surface of the top course shall be three (3) inches below and parallel to the proposed finished sidewalk grade.

3/4 inch Sand Asphalt Setting Bed - Sweep the hot mix asphalt top course clean, before setting 3/4 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 - 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 directed 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.

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. All brick cutting shall be accomplished with a water-cooled masonry saw only.

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.

Apply asphalt mastic adhesive to the sand asphalt setting bed using a trowel having 1/16-inch serrations.

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.

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.

Fill joints between bricks with an interlocking sand meeting the gradation requirements of ASTM C144 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. Sand shall either be pre-treated with a polymeric joint stabilizer or a liquid polymeric joint stabilizer shall be applied. The Contractor shall strictly adhere to the manufacturer's instructions for application. The joint stabilizer shall not discolor the brick surface. Stabilizers shall be water-based so as to not damage the asphalt setting bed. **Sand cement mixes shall not be used.** All sand joint stabilizing products shall be approved by the Engineer prior to use. Should staining occur, stains shall be cleaned immediately by Steam Jenny with capacity of 150 gallons per hour, 325° F coil temperature, 120 psi.

ASTM C144

<u>ASTM Sieve Size</u>	<u>Percentage Passing</u>	
	<u>Natural Sand</u>	<u>Manufactured Sand</u>
No. 4 (4.75 mm)	100	100
No. 8 (2.36 mm)	95-100	95-100
No. 16 (1.18 mm)	70-100	70-100
No. 30 (600 µm)	40-75	40-75
No. 50 (300 µm)	10-35	20-40
No. 100 (150 µm)	2-15	10-25
No. 200 (75 µm)	0-5	0-10

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 directed 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 directed 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.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Brick Walk on Hot Mix Asphalt Setting Bed shall be measured and paid for at the contract unit price bid per Square Yard measured, complete-in-place. The price shall be full compensation for furnishing all labor, materials, tools and equipment, for doing all the work as described above. No separate payment will be made for the polymeric sand, bricks, mastic adhesive, sand asphalt setting bed, hot mix asphalt top course, or hot mix asphalt dense binder course, but all costs in connection therewith shall be included in the contract unit price bid for this item.

Excavation shall be paid for separately under item 120.1 – Unclassified Excavation.

Gravel Borrow for base material will be paid for separately under Item 151.02 - Gravel Borrow.

ITEM 706.1 BRICK WALK - REMOVED AND RELAID SQUARE YARD

The work under these items shall conform to the relevant provisions of Section 701 of the Standard Specifications, as directed by the Engineer and the following:

The work under these items shall include the removal and relaying of privately owned walks at the back of the proposed sidewalk in order to transition the existing walkways to the proposed sidewalk to accommodate any grade changes resulting from the proposed roadway construction. Lines and grades shall be consistent with the new sidewalk construction as shown on the plans and established by the Engineer. The brick shall be reused where possible. New brick shall be similar in appearance to the brick walks which are removed or which abut a new or reconstructed walk or driveway. If existing bricks are broken or if new units are necessary to reset the walks, they shall be of the same color and texture as the existing. All existing units shall be thoroughly cleaned before being set. All walks shall be laid on an 8 inches gravel foundation. If the existing base is of another material, that material may be used subject to the approval of the Engineer.

Cement mortar used to reset the bricks shall conform to Material Specification M4.02.15.

It is the intention of this special provision that the reset brick walk shall conform as close as possible in every detail to the existing walks and driveways.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Brick Walk Removed and Relaid shall be measured and paid for at the Contract unit price per Square Yard, which price shall include all labor, materials, equipment and incidental costs required to complete the work. No separate payment will be made for removing, resetting or furnishing and installing replacement bricks, cleaning, and base courses, but all costs in connection therewith shall be included in the Contact unit price bid.

Gravel for base material will be paid for separately under Item 151. - Gravel Borrow.

ITEM 767.12 COMPOST FILTER TUBE

FOOT

The work under this item shall conform to the relevant provisions of Section 767 of the Standard Specifications, as directed by the Engineer and the following:

The purpose of this item is to provide a linear, compost-filled tube for filtering suspended sediments from storm water flow.

MATERIAL

Material for the filter tubes shall be compost meeting M1.06.0, except that no manure or bio-solids shall be used. In addition, no kiln-dried wood or construction debris shall be allowed. Compost shall pass through a 3 inch (75mm) sieve.

Tubes for compost filters shall be a minimum of 12 inches (300 mm) maximum of 18" (450mm) in diameter, and shall be jute mesh or approved biodegradable material. Additional tubes shall be used at the direction of the Engineer. Stakes for anchors, if required, shall be nominal 2x2 stakes.

CONSTRUCTION

Tubes of compost may be filled on site or shipped. Tubes shall be placed, filled and staked in place as required to ensure stability against water flows. All tubes shall be tamped to ensure good contact with soil.

The Contractor shall ensure that the filter tubes function as intended at all times. Tubes shall be inspected after each rainfall and at least daily during prolonged rainfall. The Contractor shall immediately correct all deficiencies, including, but not limited, to washout, overtopping, clogging due to sediment, and erosion. The contractor shall review location of tubes in areas where construction activity causes drainage runoff to ensure that the tubes are properly located for effectiveness. Where deficiencies exist, such as overtopping or wash-out, additional staking or compost material shall be installed as directed by the Engineer. Contractor shall remove sediment deposits as necessary to maintain the filters in working condition.

Filter tubes shall be removed by the Contractor when site conditions are sufficiently stable to prevent surface erosion, and after receiving permission to do so from the Engineer. All tube fabric shall be cut and removed and disposed of off-site by the Contractor. At the direction of the Engineer, the Contractor may rake out and seed mulch material so that it is no greater than 2 inches (50 mm) in depth on soil substrate.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Compost filter tube will be measured and paid for at the Contract unit prices per Linear Foot,

which price shall include all labor equipment and materials necessary to complete the work specified above, including, but not limited to, stakes and tube fabric, removal and disposal of fabric and stakes, raking and seeding of compost.

ITEM 854.014 **TEMPORARY PAVEMENT MARKINGS** **FOOT**
4 INCH (PAINTED)

The work to be done under this item shall conform to the relevant provision of Section 850. of the Standard Specifications and the following:

The work shall include the furnishing, installation and removal of 4 inch temporary pavement markings used during construction as directed by the Engineer.

The removal of any temporary pavement markings shall be considered incidental to these items.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Temporary pavement markings – 4 inch (painted) will be measured and paid for at the Contract unit price per Linear Foot, which price shall include all labor, materials, equipment and incidental costs required to complete the work.

ITEM 856.15 **PORTABLE CHANGEABLE MESSAGE SIGN** **WEEK**

The work under this Item shall conform to the relevant provisions of Section 850 of the Standard Specifications, as directed by the Engineer and the following:

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Portable Changeable Message Sign will be measured and paid for at the Contract unit price per Week, which price shall include all coordination, delivery, positioning, re-positioning, programming, and all other incidental costs required to complete this work.

ITEM 874. **STREET NAME SIGN** **EACH**

The work under this item shall conform to the relevant provision of Section 828 of the Standard Specifications and the following:

The work shall include the furnishing and installation of street name signs as directed by the Town Engineer.

All sign panels shall be aluminum conforming to the requirements of Subsection 828.42 and the Pavement Marking and Signing Plan.

The reflective sheeting shall meet Type III or Type IV Prismatic Sheeting.

The sign shall include a 0.375"-0.5" prismatic white border. Signs shall have legends on both sides.

The first letter of the street name shall be 6" uppercase letter Series C, while the remaining street name letters shall be 4.5" lowercase Series C (i.e. Samoset). The 'secondary' legend (i.e. St) shall be 3" uppercase letter and 2.25" lowercase Series C.

The Town Seal height and width of the pictograph shall not exceed the upper-case letter height of the principal legend of the sign. The pictograph should be positioned to the left of the street name.

Also included under this item is all hardware, brackets, bolts, etc., necessary to attach the sign panels to sign support posts.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Street Name Sign will be measured and paid for at the Contract unit price per Each, which price shall include all labor, materials, equipment and incidental costs required to complete the work.

ITEM 875.1 PARKING METER - REMOVED AND RESET

EACH

The work under this item shall conform to the relevant provisions of Section 828 of the Standard Specifications and the following:

Prior to removal of the parking meters, the Contractor shall coordinate with the Town of Plymouth to ensure no money remains within the meters.

The work to be done under this Item shall include the dismantling, removal, transporting and resetting of the existing parking meter on new support posts. The work also includes the removal and disposal of the existing supports and foundations. The new support shall be in conformance with the Town's Specifications.

It is the Contractor's responsibility to protect the existing parking meter heads and store in a safe, dry place if dismantled before resetting. The Contractor shall exercise particular care in the dismantling, removal, transporting and resetting of the existing meters designated to be reused. Any parking meter damaged by the Contractor shall be replaced at the Contractor's expense. If any existing parking meter is damaged previous to the Contractor beginning project construction it is the Contractor's responsibility to make said damage known and documented before any work begins.

The Contractor shall backfill with compacted gravel all holes resulting from the removal of the parking meters and their foundations and restores the area to match existing conditions of adjacent areas.

Parking meters that are not reused shall be transported from the work site to the **Park Plymouth**

office, at 40 Court Street, Plymouth, Massachusetts and carefully stacked as directed by their representative.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Parking Meter Removed and Reset will be measured and paid for at the Contract unit price per each, which price shall include all labor, materials, protection, replacement for damage, and all incidental costs required to complete the work. No separate payment shall be made for the dismantling, excavation, disposal of the existing foundations and supports, compacted gravel backfill and restoration of surface, but all costs in connection therewith shall be included in the Contract unit price bid.

ITEM 983.25 RIPRAP (INCLUDING FILTER FABRIC)
ITEM 983.35 RIPRAP - REMOVED AND RELAID
(INCLUDING FILTER FABRIC)

SQUARE YARD
SQUARE YARD

The work under this item shall conform to the relevant provisions of Section 983 of the Standard Specifications and the following:

This work shall consist of slope protection of the required type laid to a minimum thickness of 8 inches on a prepared subbase lined with filter fabric, at the location shown on the plans, or as directed by the Engineer in accordance with these specifications, and in close conformity with the lines and grades shown on the plans or established by the Engineer.

MATERIALS

The rip rap material shall consist of hard, durable angular shaped stones which are the product of the primary crushing of a stone crusher and conform to the requirements of Modified Rockfill Section M2.02.4 of the Commonwealth of Massachusetts Standard Specifications.

Non-woven geotextile filter fabric shall be MIRAFLI 140N or equivalent

CONSTRUCTION

Prior to placement of the filter fabric, the receiving surface will be prepared to a smooth condition free of debris, depressions or obstructions which may damage the fabric. The fabric shall be placed loosely (not taut) with no wrinkles or folds. Care will be taken to place the fabric in intimate contact with the soil so that no void spaces occur between the geotextile and the subgrade. All seams shall be overlapped a minimum of 12 inches.

Care shall be taken during construction to avoid damage to the filter fabric. Any damaged fabric shall be replaced or repaired by placing a patch extending three feet in all directions beyond the damaged area. Damaged geotextiles shall be replaced at the Contractor's own expense.

Stone shall be placed on the prepared area in a manner which will produce a reasonably well

graded mass with a minimum practical percentage of voids and a minimum thickness of 8 inches. The stone will be placed to its full thickness in one operation and in such a manner as to avoid displacing the underlying material. It is the intent of these specifications to produce a fairly compact Rockfill protection in which all sizes of material are placed in their proper proportions. Hand-placing or rearranging of individual stones by mechanical equipment may be required to the extent necessary to secure the results specified.

Unless otherwise authorized by the Engineer, the Modified Rockfill shall be placed in conjunction with the adjacent construction as shown on the plans.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Riprap (Including Filter Fabric) and Riprap Removed and Relaid (Including Filter Fabric) will be measured and paid for at the Contract unit price per Square Yard, which price shall include all labor, materials, filter fabric, equipment and incidental costs required to complete the work.

ATTACHMENT 2

COMMONWEALTH OF MASSACHUSETTS PREVAILING WAGE RATES

The Massachusetts Prevailing Wage Law
M.G.L. ch. 149, §§ 26 - 27

NOTICE TO AWARDING AUTHORITIES

- The enclosed wage schedule applies only to the specific project listed at the top and will remain in effect for the duration of the project.
- You should request an updated wage schedule from the Division of Occupational Safety if you have not opened bids or selected a contractor within 90 days of the date of issuance of the enclosed wage schedule.
- The wage schedule shall be incorporated in any advertisement or call for bids for the project for which it has been issued.
- Once a contractor has been selected by the awarding authority, the wage schedule shall be made a part of the contract for that project.

NOTICE TO CONTRACTORS

- The enclosed wage schedule must be posted in a conspicuous place at the work site during the life of the project.
- The wages listed on the enclosed wage schedule must be paid to employees on public works projects regardless of whether they are employed by the prime contractor, a filed sub-bidder, or any sub-contractor.
- The enclosed wage schedule applies to all phases of the project including the final clean-up. Contractors whose only role is to perform final clean-up must pay their employees according to this wage schedule.
- All apprentices must be registered with the Massachusetts Division of Apprentice Training in order to be paid at the reduced apprentice rates. If a worker is not registered with the Division of Apprentice Training, they must be paid the "total rate" listed on the wage schedule regardless of experience or skill level. For further information, please call (617) 727-3486 or write to the Division of Apprentice Training, 399 Washington Street, 4th Floor, Boston, MA 02108

**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 is available from the Department of Labor Standards (DLS) at www.mass.gov/dols/pw 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.

On a weekly basis, every contractor and subcontractor is required to submit a certified copy of their weekly payroll records to the awarding authority; this includes the payroll forms and the Statement of Compliance form. The certified payroll records must be submitted either by regular mail or by e-mail to the awarding authority. Once collected, the awarding authority is required to preserve those records for three years from the date of completion of the project.

Each such contractor and subcontractor shall furnish weekly **and** within 15 days after completion of its portion of the work, to the awarding authority directly by first-class mail or e-mail, a statement, executed by the contractor, subcontractor or by any authorized officer thereof who supervised the payment of wages, this form, accompanied by their payroll:

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 Number

Employee Name & Complete Address		Work Classification:	Employee is OSHA 10 certified (?)	Appr. Rate (%)	Hours Worked							Project Hours (A) All Other Hours	Hourly Base Wage (B)	Health & Welfare Insurance (C)	ERISA Pension Plan (D)	Supp. Unemp. (E)	Total Hourly Prev. Wage (F) (A x F)	Project Gross Wages	
					Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.							Total Gross Wages	Check No. (H)
"Employer": Hourly Fringe Benefit Contributions																			
Subcontractor's Name:																			
(B+C+D+E)																			

Are all apprentice employees identified above currently registered with the MA DLS's Division of Apprentices Standards? YES NO

For all apprentices performing work during the reporting period, attach a copy of the apprentice identification card issued by the Massachusetts Department of Labor Standards / Division of Apprentices Standards.

NOTE: Pursuant to MGL c. 149, s. 27B, every contractor and subcontractor is required to submit a **true and accurate** copy of their certified weekly payroll records to the awarding authority by first-class mail or e-mail. In addition, each weekly payroll must be accompanied by a statement of compliance signed by the employer. Failure to comply may result in the commencement of a criminal action or the issuance of a civil citation.

Date Received by Awarding Authority _____ / _____ / _____



**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
HEATHER E. ROWE
Director

CHARLES D. BAKER
Governor

KARYNE E. POLITO
Lt. Governor

Awarding Authority: Town of Plymouth
Contract Number: 21512 **City/Town:** PLYMOUTH
Description of Work: Sidewalk repair, construction and related work.
Job Location: various locations

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 Apprentices 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.

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
Construction						
(2 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2014	\$31.30	\$9.91	\$9.33	\$0.00	\$50.54
	06/01/2015	\$31.65	\$9.91	\$9.33	\$0.00	\$50.89
	08/01/2015	\$31.65	\$10.41	\$9.33	\$0.00	\$51.39
	12/01/2015	\$31.65	\$10.41	\$10.08	\$0.00	\$52.14
	06/01/2016	\$32.15	\$10.41	\$10.08	\$0.00	\$52.64
	08/01/2016	\$32.15	\$10.91	\$10.08	\$0.00	\$53.14
	12/01/2016	\$32.15	\$10.91	\$10.89	\$0.00	\$53.95
(3 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2014	\$31.37	\$9.91	\$9.33	\$0.00	\$50.61
	06/01/2015	\$31.72	\$9.91	\$9.33	\$0.00	\$50.96
	08/01/2015	\$31.72	\$10.41	\$9.33	\$0.00	\$51.46
	12/01/2015	\$31.72	\$10.41	\$10.08	\$0.00	\$52.21
	06/01/2016	\$32.22	\$10.41	\$10.08	\$0.00	\$52.71
	08/01/2016	\$32.22	\$10.91	\$10.08	\$0.00	\$53.21
	12/01/2016	\$32.22	\$10.91	\$10.89	\$0.00	\$54.02
(4 & 5 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2014	\$31.49	\$9.91	\$9.33	\$0.00	\$50.73
	06/01/2015	\$31.84	\$9.91	\$9.33	\$0.00	\$51.08
	08/01/2015	\$31.84	\$10.41	\$9.33	\$0.00	\$51.58
	12/01/2015	\$31.84	\$10.41	\$10.08	\$0.00	\$52.33
	06/01/2016	\$32.34	\$10.41	\$10.08	\$0.00	\$52.83
	08/01/2016	\$32.34	\$10.91	\$10.08	\$0.00	\$53.33
	12/01/2016	\$32.34	\$10.91	\$10.89	\$0.00	\$54.14
ADS/SUBMERSIBLE PILOT <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2014	\$87.36	\$9.80	\$18.17	\$0.00	\$115.33
	08/01/2015	\$90.51	\$9.80	\$18.17	\$0.00	\$118.48
AIR TRACK OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2014	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	06/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	12/01/2015	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	06/01/2016	\$32.90	\$7.30	\$12.30	\$0.00	\$52.50
	12/01/2016	\$33.65	\$7.30	\$12.30	\$0.00	\$53.25
For apprentice rates see "Apprentice- LABORER"						
ASBESTOS REMOVER - PIPE / MECH. EQUIPT. <i>HEAT & FROST INSULATORS LOCAL 6 (BOSTON)</i>	12/01/2014	\$32.48	\$10.40	\$5.95	\$0.00	\$48.83
	06/01/2015	\$33.43	\$10.40	\$5.95	\$0.00	\$49.78
	12/01/2015	\$34.38	\$10.40	\$5.95	\$0.00	\$50.73
ASPHALT RAKER <i>LABORERS - ZONE 2</i>	12/01/2014	\$30.90	\$7.30	\$12.30	\$0.00	\$50.50
	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2014	\$42.39	\$10.00	\$14.30	\$0.00	\$66.69
	06/01/2015	\$43.14	\$10.00	\$14.30	\$0.00	\$67.44
	12/01/2015	\$44.39	\$10.00	\$14.30	\$0.00	\$68.69
	06/01/2016	\$45.14	\$10.00	\$14.30	\$0.00	\$69.44
	12/01/2016	\$46.39	\$10.00	\$14.30	\$0.00	\$70.69
	06/01/2017	\$47.39	\$10.00	\$14.30	\$0.00	\$71.69
	12/01/2017	\$48.39	\$10.00	\$14.30	\$0.00	\$72.69

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BACKHOE/FRONT-END LOADER <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2014	\$42.39	\$10.00	\$14.30	\$0.00	\$66.69
	06/01/2015	\$43.14	\$10.00	\$14.30	\$0.00	\$67.44
	12/01/2015	\$44.39	\$10.00	\$14.30	\$0.00	\$68.69
	06/01/2016	\$45.14	\$10.00	\$14.30	\$0.00	\$69.44
	12/01/2016	\$46.39	\$10.00	\$14.30	\$0.00	\$70.69
	06/01/2017	\$47.39	\$10.00	\$14.30	\$0.00	\$71.69
	12/01/2017	\$48.39	\$10.00	\$14.30	\$0.00	\$72.69
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BARCO-TYPE JUMPING TAMPER <i>LABORERS - ZONE 2</i>	12/01/2014	\$30.90	\$7.30	\$12.30	\$0.00	\$50.50
	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
BLOCK PAVER, RAMMER / CURB SETTER <i>LABORERS - ZONE 2</i>	12/01/2014	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	06/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	12/01/2015	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	06/01/2016	\$32.90	\$7.30	\$12.30	\$0.00	\$52.50
	12/01/2016	\$33.65	\$7.30	\$12.30	\$0.00	\$53.25
For apprentice rates see "Apprentice- LABORER"						
BOILER MAKER <i>BOILERMAKERS LOCAL 29</i>	01/01/2010	\$37.70	\$6.97	\$11.18	\$0.00	\$55.85

Apprentice - BOILERMAKER - Local 29

Effective Date - 01/01/2010

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

Notes:

Apprentice to Journeyworker Ratio:1:5

BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING) <i>BRICKLAYERS LOCAL 3 (QUINCY)</i>	02/01/2015	\$48.96	\$10.18	\$18.50	\$0.00	\$77.64
	08/01/2015	\$49.86	\$10.18	\$18.57	\$0.00	\$78.61
	02/01/2016	\$50.43	\$10.18	\$18.57	\$0.00	\$79.18
	08/01/2016	\$51.33	\$10.18	\$18.65	\$0.00	\$80.16
	02/01/2017	\$51.90	\$10.18	\$18.65	\$0.00	\$80.73

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

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

Effective Date - 02/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.48	\$10.18	\$18.50	\$0.00	\$53.16
2	60	\$29.38	\$10.18	\$18.50	\$0.00	\$58.06
3	70	\$34.27	\$10.18	\$18.50	\$0.00	\$62.95
4	80	\$39.17	\$10.18	\$18.50	\$0.00	\$67.85
5	90	\$44.06	\$10.18	\$18.50	\$0.00	\$72.74

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

Notes:

Apprentice to Journeyworker Ratio:1:5

BULLDOZER/GRADER/SCRAPER OPERATING ENGINEERS LOCAL 4	12/01/2014	\$41.99	\$10.00	\$14.30	\$0.00	\$66.29
	06/01/2015	\$42.73	\$10.00	\$14.30	\$0.00	\$67.03
	12/01/2015	\$43.97	\$10.00	\$14.30	\$0.00	\$68.27
	06/01/2016	\$44.72	\$10.00	\$14.30	\$0.00	\$69.02
	12/01/2016	\$45.95	\$10.00	\$14.30	\$0.00	\$70.25
	06/01/2017	\$46.94	\$10.00	\$14.30	\$0.00	\$71.24
	12/01/2017	\$47.93	\$10.00	\$14.30	\$0.00	\$72.23

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

CAISSON & UNDERPINNING BOTTOM MAN LABORERS - FOUNDATION AND MARINE	12/01/2014	\$35.70	\$7.30	\$13.15	\$0.00	\$56.15
	06/01/2015	\$36.45	\$7.30	\$13.15	\$0.00	\$56.90
	12/01/2015	\$37.20	\$7.30	\$13.15	\$0.00	\$57.65
	06/01/2016	\$37.95	\$7.30	\$13.15	\$0.00	\$58.40
	12/01/2016	\$38.95	\$7.30	\$13.15	\$0.00	\$59.40

For apprentice rates see "Apprentice- LABORER"

CAISSON & UNDERPINNING LABORER LABORERS - FOUNDATION AND MARINE	12/01/2014	\$34.55	\$7.30	\$13.15	\$0.00	\$55.00
	06/01/2015	\$35.30	\$7.30	\$13.15	\$0.00	\$55.75
	12/01/2015	\$36.05	\$7.30	\$13.15	\$0.00	\$56.50
	06/01/2016	\$36.80	\$7.30	\$13.15	\$0.00	\$57.25
	12/01/2016	\$37.80	\$7.30	\$13.15	\$0.00	\$58.25

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
CAISSON & UNDERPINNING TOP MAN <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2014	\$34.55	\$7.30	\$13.15	\$0.00	\$55.00
	06/01/2015	\$35.30	\$7.30	\$13.15	\$0.00	\$55.75
	12/01/2015	\$36.05	\$7.30	\$13.15	\$0.00	\$56.50
	06/01/2016	\$36.80	\$7.30	\$13.15	\$0.00	\$57.25
	12/01/2016	\$37.80	\$7.30	\$13.15	\$0.00	\$58.25

For apprentice rates see "Apprentice- LABORER"

CARBIDE CORE DRILL OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2014	\$30.90	\$7.30	\$12.30	\$0.00	\$50.50
	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75

For apprentice rates see "Apprentice- LABORER"

CARPENTER <i>CARPENTERS -ZONE 2 (Eastern Massachusetts)</i>	09/01/2014	\$35.35	\$9.80	\$16.11	\$0.00	\$61.26
	03/01/2015	\$36.12	\$9.80	\$16.11	\$0.00	\$62.03

Apprentice - CARPENTER - Zone 2 Eastern MA

Effective Date - 09/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$17.68	\$9.80	\$1.57	\$0.00	\$29.05
2	60	\$21.21	\$9.80	\$1.57	\$0.00	\$32.58
3	70	\$24.75	\$9.80	\$11.40	\$0.00	\$45.95
4	75	\$26.51	\$9.80	\$11.40	\$0.00	\$47.71
5	80	\$28.28	\$9.80	\$12.97	\$0.00	\$51.05
6	80	\$28.28	\$9.80	\$12.97	\$0.00	\$51.05
7	90	\$31.82	\$9.80	\$14.54	\$0.00	\$56.16
8	90	\$31.82	\$9.80	\$14.54	\$0.00	\$56.16

Effective Date - 03/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.06	\$9.80	\$1.57	\$0.00	\$29.43
2	60	\$21.67	\$9.80	\$1.57	\$0.00	\$33.04
3	70	\$25.28	\$9.80	\$11.40	\$0.00	\$46.48
4	75	\$27.09	\$9.80	\$11.40	\$0.00	\$48.29
5	80	\$28.90	\$9.80	\$12.97	\$0.00	\$51.67
6	80	\$28.90	\$9.80	\$12.97	\$0.00	\$51.67
7	90	\$32.51	\$9.80	\$14.54	\$0.00	\$56.85
8	90	\$32.51	\$9.80	\$14.54	\$0.00	\$56.85

Notes:

Apprentice to Journeyworker Ratio:1:5

CEMENT MASONRY/PLASTERING <i>BRICKLAYERS LOCAL 3 (QUINCY)</i>	01/01/2015	\$44.90	\$10.90	\$18.71	\$1.30	\$75.81
	07/01/2015	\$45.82	\$10.90	\$18.71	\$1.30	\$76.73
	01/01/2016	\$46.44	\$10.90	\$18.71	\$1.30	\$77.35

Apprentice - CEMENT MASONRY/PLASTERING - Eastern Mass (Quincy)

Effective Date - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$22.45	\$10.90	\$12.21	\$1.30	\$46.86
2	60	\$26.94	\$10.90	\$13.71	\$1.30	\$52.85
3	65	\$29.19	\$10.90	\$14.71	\$1.30	\$56.10
4	70	\$31.43	\$10.90	\$15.71	\$1.30	\$59.34
5	75	\$33.68	\$10.90	\$16.71	\$1.30	\$62.59
6	80	\$35.92	\$10.90	\$17.71	\$1.30	\$65.83
7	90	\$40.41	\$10.90	\$18.71	\$1.30	\$71.32

Effective Date - 07/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$22.91	\$10.90	\$12.21	\$1.30	\$47.32
2	60	\$27.49	\$10.90	\$13.71	\$1.30	\$53.40
3	65	\$29.78	\$10.90	\$14.71	\$1.30	\$56.69
4	70	\$32.07	\$10.90	\$15.71	\$1.30	\$59.98
5	75	\$34.37	\$10.90	\$16.71	\$1.30	\$63.28
6	80	\$36.66	\$10.90	\$17.71	\$1.30	\$66.57
7	90	\$41.24	\$10.90	\$18.71	\$1.30	\$72.15

Notes:

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

Apprentice to Journeyworker Ratio:1:3

CHAIN SAW OPERATOR LABORERS - ZONE 2	12/01/2014	\$30.90	\$7.30	\$12.30	\$0.00	\$50.50
	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75

For apprentice rates see "Apprentice- LABORER"

CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES OPERATING ENGINEERS LOCAL 4	12/01/2014	\$43.39	\$10.00	\$14.30	\$0.00	\$67.69
	06/01/2015	\$44.14	\$10.00	\$14.30	\$0.00	\$68.44
	12/01/2015	\$45.39	\$10.00	\$14.30	\$0.00	\$69.69
	06/01/2016	\$46.14	\$10.00	\$14.30	\$0.00	\$70.44
	12/01/2016	\$47.39	\$10.00	\$14.30	\$0.00	\$71.69
	06/01/2017	\$48.39	\$10.00	\$14.30	\$0.00	\$72.69
	12/01/2017	\$49.39	\$10.00	\$14.30	\$0.00	\$73.69

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
COMPRESSOR OPERATOR OPERATING ENGINEERS LOCAL 4	12/01/2014	\$29.40	\$10.00	\$14.30	\$0.00	\$53.70
	06/01/2015	\$29.92	\$10.00	\$14.30	\$0.00	\$54.22
	12/01/2015	\$30.79	\$10.00	\$14.30	\$0.00	\$55.09
	06/01/2016	\$31.31	\$10.00	\$14.30	\$0.00	\$55.61
	12/01/2016	\$32.18	\$10.00	\$14.30	\$0.00	\$56.48
	06/01/2017	\$32.87	\$10.00	\$14.30	\$0.00	\$57.17
	12/01/2017	\$33.56	\$10.00	\$14.30	\$0.00	\$57.86

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

DELEADER (BRIDGE) PAINTERS LOCAL 35 - ZONE 2	01/01/2015	\$47.66	\$7.85	\$16.10	\$0.00	\$71.61
	07/01/2015	\$48.56	\$7.85	\$16.10	\$0.00	\$72.51
	01/01/2016	\$49.51	\$7.85	\$16.10	\$0.00	\$73.46
	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 - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.83	\$7.85	\$0.00	\$0.00	\$31.68
2	55	\$26.21	\$7.85	\$3.66	\$0.00	\$37.72
3	60	\$28.60	\$7.85	\$3.99	\$0.00	\$40.44
4	65	\$30.98	\$7.85	\$4.32	\$0.00	\$43.15
5	70	\$33.36	\$7.85	\$14.11	\$0.00	\$55.32
6	75	\$35.75	\$7.85	\$14.44	\$0.00	\$58.04
7	80	\$38.13	\$7.85	\$14.77	\$0.00	\$60.75
8	90	\$42.89	\$7.85	\$15.44	\$0.00	\$66.18

Effective Date - 07/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.28	\$7.85	\$0.00	\$0.00	\$32.13
2	55	\$26.71	\$7.85	\$3.66	\$0.00	\$38.22
3	60	\$29.14	\$7.85	\$3.99	\$0.00	\$40.98
4	65	\$31.56	\$7.85	\$4.32	\$0.00	\$43.73
5	70	\$33.99	\$7.85	\$14.11	\$0.00	\$55.95
6	75	\$36.42	\$7.85	\$14.44	\$0.00	\$58.71
7	80	\$38.85	\$7.85	\$14.77	\$0.00	\$61.47
8	90	\$43.70	\$7.85	\$15.44	\$0.00	\$66.99

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

DEMO: ADZEMAN LABORERS - ZONE 2	12/01/2014	\$34.75	\$7.30	\$12.95	\$0.00	\$55.00
	06/01/2015	\$35.50	\$7.30	\$12.95	\$0.00	\$55.75
	12/01/2015	\$36.25	\$7.30	\$12.95	\$0.00	\$56.50

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
DEMO: BACKHOE/LOADER/HAMMER OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2014	\$35.75	\$7.30	\$12.95	\$0.00	\$56.00
	06/01/2015	\$36.50	\$7.30	\$12.95	\$0.00	\$56.75
	12/01/2015	\$37.25	\$7.30	\$12.95	\$0.00	\$57.50
For apprentice rates see "Apprentice- LABORER"						
DEMO: BURNERS <i>LABORERS - ZONE 2</i>	12/01/2014	\$35.50	\$7.30	\$12.95	\$0.00	\$55.75
	06/01/2015	\$36.25	\$7.30	\$12.95	\$0.00	\$56.50
	12/01/2015	\$37.00	\$7.30	\$12.95	\$0.00	\$57.25
For apprentice rates see "Apprentice- LABORER"						
DEMO: CONCRETE CUTTER/SAWYER <i>LABORERS - ZONE 2</i>	12/01/2014	\$35.75	\$7.30	\$12.95	\$0.00	\$56.00
	06/01/2015	\$36.50	\$7.30	\$12.95	\$0.00	\$56.75
	12/01/2015	\$37.25	\$7.30	\$12.95	\$0.00	\$57.50
For apprentice rates see "Apprentice- LABORER"						
DEMO: JACKHAMMER OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2014	\$35.50	\$7.30	\$12.95	\$0.00	\$55.75
	06/01/2015	\$36.25	\$7.30	\$12.95	\$0.00	\$56.50
	12/01/2015	\$37.00	\$7.30	\$12.95	\$0.00	\$57.25
For apprentice rates see "Apprentice- LABORER"						
DEMO: WRECKING LABORER <i>LABORERS - ZONE 2</i>	12/01/2014	\$34.75	\$7.30	\$12.95	\$0.00	\$55.00
	06/01/2015	\$35.50	\$7.30	\$12.95	\$0.00	\$55.75
	12/01/2015	\$36.25	\$7.30	\$12.95	\$0.00	\$56.50
For apprentice rates see "Apprentice- LABORER"						
DIRECTIONAL DRILL MACHINE OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2014	\$41.99	\$10.00	\$14.30	\$0.00	\$66.29
	06/01/2015	\$42.73	\$10.00	\$14.30	\$0.00	\$67.03
	12/01/2015	\$43.97	\$10.00	\$14.30	\$0.00	\$68.27
	06/01/2016	\$44.72	\$10.00	\$14.30	\$0.00	\$69.02
	12/01/2016	\$45.95	\$10.00	\$14.30	\$0.00	\$70.25
	06/01/2017	\$46.94	\$10.00	\$14.30	\$0.00	\$71.24
	12/01/2017	\$47.93	\$10.00	\$14.30	\$0.00	\$72.23
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
DIVER <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2014	\$58.24	\$9.80	\$18.17	\$0.00	\$86.21
	08/01/2015	\$60.34	\$9.80	\$18.17	\$0.00	\$88.31
DIVER TENDER <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2014	\$41.60	\$9.80	\$18.17	\$0.00	\$69.57
	08/01/2015	\$43.10	\$9.80	\$18.17	\$0.00	\$71.07
DIVER TENDER (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2014	\$62.40	\$9.80	\$18.17	\$0.00	\$90.37
	08/01/2015	\$64.65	\$9.80	\$18.17	\$0.00	\$92.62
DIVER/SLURRY (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2014	\$87.36	\$9.80	\$18.17	\$0.00	\$115.33
	08/01/2015	\$90.51	\$9.80	\$18.17	\$0.00	\$118.48
ELECTRICIAN <i>ELECTRICIANS LOCAL 223</i>	09/01/2014	\$37.31	\$8.00	\$11.03	\$0.00	\$56.34
	09/01/2015	\$38.31	\$8.40	\$11.28	\$0.00	\$57.99
	09/01/2016	\$39.21	\$8.90	\$11.51	\$0.00	\$59.62

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - ELECTRICIAN - Local 223

Effective Date - 09/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$14.92	\$0.00	\$0.45	\$0.00	\$15.37
2	42	\$15.67	\$0.00	\$0.47	\$0.00	\$16.14
3	45	\$16.79	\$8.00	\$0.50	\$0.00	\$25.29
4	48	\$17.91	\$8.00	\$3.30	\$0.00	\$29.21
5	50	\$18.66	\$8.00	\$3.41	\$0.00	\$30.07
6	55	\$20.52	\$8.00	\$3.68	\$0.00	\$32.20
7	60	\$22.39	\$8.00	\$3.94	\$0.00	\$34.33
8	65	\$24.25	\$8.00	\$4.22	\$0.00	\$36.47
9	70	\$26.12	\$8.00	\$4.48	\$0.00	\$38.60
10	75	\$27.98	\$8.00	\$4.76	\$0.00	\$40.74

Effective Date - 09/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$15.32	\$0.00	\$0.46	\$0.00	\$15.78
2	42	\$16.09	\$0.00	\$0.48	\$0.00	\$16.57
3	45	\$17.24	\$8.40	\$0.52	\$0.00	\$26.16
4	48	\$18.39	\$8.40	\$3.36	\$0.00	\$30.15
5	50	\$19.16	\$8.40	\$3.47	\$0.00	\$31.03
6	55	\$21.07	\$8.40	\$3.75	\$0.00	\$33.22
7	60	\$22.99	\$8.40	\$4.03	\$0.00	\$35.42
8	65	\$24.90	\$8.40	\$4.31	\$0.00	\$37.61
9	70	\$26.82	\$8.40	\$5.28	\$0.00	\$40.50
10	75	\$28.73	\$8.40	\$4.86	\$0.00	\$41.99

Notes:

Steps are 750 hours

Apprentice to Journeyworker Ratio:2:3***

ELEVATOR CONSTRUCTOR ELEVATOR CONSTRUCTORS LOCAL 4	01/01/2012	\$52.45	\$8.78	\$6.96	\$0.00	\$68.19
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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
Apprentice - ELEVATOR CONSTRUCTOR - Local 4						
Effective Date - 01/01/2012						
Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$26.23	\$8.78	\$0.00	\$0.00	\$35.01
2	55	\$28.85	\$8.78	\$6.96	\$0.00	\$44.59
3	65	\$34.09	\$8.78	\$6.96	\$0.00	\$49.83
4	70	\$36.72	\$8.78	\$6.96	\$0.00	\$52.46
5	80	\$41.96	\$8.78	\$6.96	\$0.00	\$57.70

Notes:

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

Apprentice to Journeyworker Ratio:1:1

ELEVATOR CONSTRUCTOR HELPER ELEVATOR CONSTRUCTORS LOCAL 4	01/01/2012	\$38.59	\$8.78	\$6.96	\$0.00	\$54.33
For apprentice rates see "Apprentice - ELEVATOR CONSTRUCTOR"						
FENCE & GUARD RAIL ERECTOR LABORERS - ZONE 2	12/01/2014	\$30.90	\$7.30	\$12.30	\$0.00	\$50.50
	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
FIELD ENG.INST.PERSON-BLDG,SITE,HVY/HWY OPERATING ENGINEERS LOCAL 4	11/01/2014	\$39.59	\$10.00	\$14.18	\$0.00	\$63.77
	05/01/2015	\$40.32	\$10.00	\$14.18	\$0.00	\$64.50
	11/01/2015	\$40.90	\$10.00	\$14.18	\$0.00	\$65.08
	05/01/2016	\$41.79	\$10.00	\$14.18	\$0.00	\$65.97
	11/01/2016	\$42.38	\$10.00	\$14.18	\$0.00	\$66.56
	05/01/2017	\$43.26	\$10.00	\$14.18	\$0.00	\$67.44
	11/01/2017	\$43.99	\$10.00	\$14.18	\$0.00	\$68.17
	05/01/2018	\$44.70	\$10.00	\$14.18	\$0.00	\$68.88
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FIELD ENG.PARTY CHIEF-BI.DG,SITE,HVY/HWY OPERATING ENGINEERS LOCAL 4	11/01/2014	\$41.02	\$10.00	\$14.18	\$0.00	\$65.20
	05/01/2015	\$41.75	\$10.00	\$14.18	\$0.00	\$65.93
	11/01/2015	\$42.34	\$10.00	\$14.18	\$0.00	\$66.52
	05/01/2016	\$43.23	\$10.00	\$14.18	\$0.00	\$67.41
	11/01/2016	\$43.83	\$10.00	\$14.18	\$0.00	\$68.01
	05/01/2017	\$44.72	\$10.00	\$14.18	\$0.00	\$68.90
	11/01/2017	\$45.45	\$10.00	\$14.18	\$0.00	\$69.63
	05/01/2018	\$46.17	\$10.00	\$14.18	\$0.00	\$70.35
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 <i>OPERATING ENGINEERS LOCAL 4</i>	11/01/2014	\$21.35	\$10.00	\$14.18	\$0.00	\$45.53
	05/01/2015	\$21.78	\$10.00	\$14.18	\$0.00	\$45.96
	11/01/2015	\$22.12	\$10.00	\$14.18	\$0.00	\$46.30
	05/01/2016	\$22.64	\$10.00	\$14.18	\$0.00	\$46.82
	11/01/2016	\$22.99	\$10.00	\$14.18	\$0.00	\$47.17
	05/01/2017	\$23.52	\$10.00	\$14.18	\$0.00	\$47.70
	11/01/2017	\$23.94	\$10.00	\$14.18	\$0.00	\$48.12
	05/01/2018	\$24.37	\$10.00	\$14.18	\$0.00	\$48.55
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FIRE ALARM INSTALLER <i>ELECTRICIANS LOCAL 223</i>	09/01/2014	\$37.31	\$8.00	\$11.03	\$0.00	\$56.34
	09/01/2015	\$38.31	\$8.40	\$11.28	\$0.00	\$57.99
	09/01/2016	\$39.21	\$8.90	\$11.51	\$0.00	\$59.62
For apprentice rates see "Apprentice- ELECTRICIAN"						
FIRE ALARM REPAIR / MAINTENANCE / COMMISSIONING <i>ELECTRICIANS LOCAL 223</i>	09/01/2014	\$31.71	\$8.00	\$9.38	\$0.00	\$49.09
	09/01/2015	\$32.56	\$8.40	\$9.59	\$0.00	\$50.55
	09/01/2016	\$33.33	\$8.90	\$9.78	\$0.00	\$52.01
For apprentice rates see "Apprentice- TELECOMMUNICATIONS TECHNICIAN"						
FIREMAN (ASST. ENGINEER) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2014	\$35.33	\$10.00	\$14.30	\$0.00	\$59.63
	06/01/2015	\$35.95	\$10.00	\$14.30	\$0.00	\$60.25
	12/01/2015	\$37.00	\$10.00	\$14.30	\$0.00	\$61.30
	06/01/2016	\$37.62	\$10.00	\$14.30	\$0.00	\$61.92
	12/01/2016	\$38.66	\$10.00	\$14.30	\$0.00	\$62.96
	06/01/2017	\$39.50	\$10.00	\$14.30	\$0.00	\$63.80
12/01/2017	\$40.33	\$10.00	\$14.30	\$0.00	\$64.63	
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FLAGGER & SIGNALER <i>LABORERS - ZONE 2</i>	12/01/2014	\$20.50	\$7.30	\$12.30	\$0.00	\$40.10
	06/01/2015	\$20.50	\$7.30	\$12.30	\$0.00	\$40.10
	12/01/2015	\$20.50	\$7.30	\$12.30	\$0.00	\$40.10
	06/01/2016	\$20.50	\$7.30	\$12.30	\$0.00	\$40.10
	12/01/2016	\$20.50	\$7.30	\$12.30	\$0.00	\$40.10
For apprentice rates see "Apprentice- LABORER"						
FLOORCOVERER <i>FLOORCOVERERS LOCAL 2168 ZONE 1</i>	09/01/2014	\$40.40	\$9.80	\$17.21	\$0.00	\$67.41

Classification Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - FLOORCOVERER - Local 2168 Zone I

Effective Date - 09/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.20	\$9.80	\$1.79	\$0.00	\$31.79
2	55	\$22.22	\$9.80	\$1.79	\$0.00	\$33.81
3	60	\$24.24	\$9.80	\$11.84	\$0.00	\$45.88
4	65	\$26.26	\$9.80	\$11.84	\$0.00	\$47.90
5	70	\$28.28	\$9.80	\$13.63	\$0.00	\$51.71
6	75	\$30.30	\$9.80	\$13.63	\$0.00	\$53.73
7	80	\$32.32	\$9.80	\$15.42	\$0.00	\$57.54
8	85	\$34.34	\$9.80	\$15.42	\$0.00	\$59.56

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

FORK LIFT/CHERRY PICKER OPERATING ENGINEERS LOCAL 4	12/01/2014	\$42.39	\$10.00	\$14.30	\$0.00	\$66.69
	06/01/2015	\$43.14	\$10.00	\$14.30	\$0.00	\$67.44
	12/01/2015	\$44.39	\$10.00	\$14.30	\$0.00	\$68.69
	06/01/2016	\$45.14	\$10.00	\$14.30	\$0.00	\$69.44
	12/01/2016	\$46.39	\$10.00	\$14.30	\$0.00	\$70.69
	06/01/2017	\$47.39	\$10.00	\$14.30	\$0.00	\$71.69
	12/01/2017	\$48.39	\$10.00	\$14.30	\$0.00	\$72.69

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

GENERATOR/LIGHTING PLANT/HEATERS OPERATING ENGINEERS LOCAL 4	12/01/2014	\$29.40	\$10.00	\$14.30	\$0.00	\$53.70
	06/01/2015	\$29.92	\$10.00	\$14.30	\$0.00	\$54.22
	12/01/2015	\$30.79	\$10.00	\$14.30	\$0.00	\$55.09
	06/01/2016	\$31.31	\$10.00	\$14.30	\$0.00	\$55.61
	12/01/2016	\$32.18	\$10.00	\$14.30	\$0.00	\$56.48
	06/01/2017	\$32.87	\$10.00	\$14.30	\$0.00	\$57.17
	12/01/2017	\$33.56	\$10.00	\$14.30	\$0.00	\$57.86

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS) GLAZIERS LOCAL 35 (ZONE 2)	01/01/2015	\$37.16	\$7.85	\$16.10	\$0.00	\$61.11
	07/01/2015	\$38.06	\$7.85	\$16.10	\$0.00	\$62.01
	01/01/2016	\$39.01	\$7.85	\$16.10	\$0.00	\$62.96
	07/01/2016	\$39.96	\$7.85	\$16.10	\$0.00	\$63.91
	01/01/2017	\$40.91	\$7.85	\$16.10	\$0.00	\$64.86

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - GLAZIER - Local 35 Zone 2

Effective Date - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.58	\$7.85	\$0.00	\$0.00	\$26.43
2	55	\$20.44	\$7.85	\$3.66	\$0.00	\$31.95
3	60	\$22.30	\$7.85	\$3.99	\$0.00	\$34.14
4	65	\$24.15	\$7.85	\$4.32	\$0.00	\$36.32
5	70	\$26.01	\$7.85	\$14.11	\$0.00	\$47.97
6	75	\$27.87	\$7.85	\$14.44	\$0.00	\$50.16
7	80	\$29.73	\$7.85	\$14.77	\$0.00	\$52.35
8	90	\$33.44	\$7.85	\$15.44	\$0.00	\$56.73

Effective Date - 07/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.03	\$7.85	\$0.00	\$0.00	\$26.88
2	55	\$20.93	\$7.85	\$3.66	\$0.00	\$32.44
3	60	\$22.84	\$7.85	\$3.99	\$0.00	\$34.68
4	65	\$24.74	\$7.85	\$4.32	\$0.00	\$36.91
5	70	\$26.64	\$7.85	\$14.11	\$0.00	\$48.60
6	75	\$28.55	\$7.85	\$14.44	\$0.00	\$50.84
7	80	\$30.45	\$7.85	\$14.77	\$0.00	\$53.07
8	90	\$34.25	\$7.85	\$15.44	\$0.00	\$57.54

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

HOISTING ENGINEER/CRANES/GRADALLS	12/01/2014	\$42.39	\$10.00	\$14.30	\$0.00	\$66.69
OPERATING ENGINEERS LOCAL 4	06/01/2015	\$43.14	\$10.00	\$14.30	\$0.00	\$67.44
	12/01/2015	\$44.39	\$10.00	\$14.30	\$0.00	\$68.69
	06/01/2016	\$45.14	\$10.00	\$14.30	\$0.00	\$69.44
	12/01/2016	\$46.39	\$10.00	\$14.30	\$0.00	\$70.69
	06/01/2017	\$47.39	\$10.00	\$14.30	\$0.00	\$71.69
	12/01/2017	\$48.39	\$10.00	\$14.30	\$0.00	\$72.69

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - OPERATING ENGINEERS - Local 4

Effective Date - 12/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$23.31	\$10.00	\$0.00	\$0.00	\$33.31
2	60	\$25.43	\$10.00	\$14.30	\$0.00	\$49.73
3	65	\$27.55	\$10.00	\$14.30	\$0.00	\$51.85
4	70	\$29.67	\$10.00	\$14.30	\$0.00	\$53.97
5	75	\$31.79	\$10.00	\$14.30	\$0.00	\$56.09
6	80	\$33.91	\$10.00	\$14.30	\$0.00	\$58.21
7	85	\$36.03	\$10.00	\$14.30	\$0.00	\$60.33
8	90	\$38.15	\$10.00	\$14.30	\$0.00	\$62.45

Effective Date - 06/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$23.73	\$10.00	\$0.00	\$0.00	\$33.73
2	60	\$25.88	\$10.00	\$14.30	\$0.00	\$50.18
3	65	\$28.04	\$10.00	\$14.30	\$0.00	\$52.34
4	70	\$30.20	\$10.00	\$14.30	\$0.00	\$54.50
5	75	\$32.36	\$10.00	\$14.30	\$0.00	\$56.66
6	80	\$34.51	\$10.00	\$14.30	\$0.00	\$58.81
7	85	\$36.67	\$10.00	\$14.30	\$0.00	\$60.97
8	90	\$38.83	\$10.00	\$14.30	\$0.00	\$63.13

Notes:

Apprentice to Journeyworker Ratio:1:6

HVAC (DUCTWORK)	02/01/2015	\$43.69	\$9.82	\$20.54	\$2.19	\$76.24
SHEETMETAL WORKERS LOCAL 17 - A	08/01/2015	\$44.69	\$9.82	\$20.54	\$2.19	\$77.24
	02/01/2016	\$45.69	\$9.82	\$20.54	\$2.19	\$78.24
	08/01/2016	\$46.84	\$9.82	\$20.54	\$2.19	\$79.39
	02/01/2017	\$47.94	\$9.82	\$20.54	\$2.19	\$80.49
	08/01/2017	\$49.04	\$9.82	\$20.54	\$2.19	\$81.59
	02/01/2018	\$50.19	\$9.82	\$20.54	\$2.19	\$82.74

For apprentice rates see "Apprentice- SHEET METAL WORKER"

HVAC (ELECTRICAL CONTROLS)	09/01/2014	\$37.31	\$8.00	\$11.03	\$0.00	\$56.34
ELECTRICIANS LOCAL 223	09/01/2015	\$38.31	\$8.40	\$11.28	\$0.00	\$57.99
	09/01/2016	\$39.21	\$8.90	\$11.51	\$0.00	\$59.62

For apprentice rates see "Apprentice- ELECTRICIAN"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
HVAC (TESTING AND BALANCING - AIR) SHEETMETAL WORKERS LOCAL 17 - A	02/01/2015	\$43.69	\$9.82	\$20.54	\$2.19	\$76.24
	08/01/2015	\$44.69	\$9.82	\$20.54	\$2.19	\$77.24
	02/01/2016	\$45.69	\$9.82	\$20.54	\$2.19	\$78.24
	08/01/2016	\$46.84	\$9.82	\$20.54	\$2.19	\$79.39
	02/01/2017	\$47.94	\$9.82	\$20.54	\$2.19	\$80.49
	08/01/2017	\$49.04	\$9.82	\$20.54	\$2.19	\$81.59
For apprentice rates see "Apprentice- SHEET METAL WORKER"						
HVAC (TESTING AND BALANCING -WATER) PLUMBERS & PIPEFITTERS LOCAL 51	09/01/2014	\$35.88	\$11.00	\$15.35	\$0.00	\$62.23
	03/01/2015	\$36.63	\$11.00	\$15.35	\$0.00	\$62.98
	09/01/2015	\$37.38	\$11.00	\$15.35	\$0.00	\$63.73
	03/01/2016	\$38.13	\$11.00	\$15.35	\$0.00	\$64.48
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HVAC MECHANIC PLUMBERS & PIPEFITTERS LOCAL 51	09/01/2014	\$35.88	\$11.00	\$15.35	\$0.00	\$62.23
	03/01/2015	\$36.63	\$11.00	\$15.35	\$0.00	\$62.98
	09/01/2015	\$37.38	\$11.00	\$15.35	\$0.00	\$63.73
	03/01/2016	\$38.13	\$11.00	\$15.35	\$0.00	\$64.48
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HYDRAULIC DRILLS LABORERS - ZONE 2	12/01/2014	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	06/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	12/01/2015	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	06/01/2016	\$32.90	\$7.30	\$12.30	\$0.00	\$52.50
	12/01/2016	\$33.65	\$7.30	\$12.30	\$0.00	\$53.25
For apprentice rates see "Apprentice- LABORER"						
INSULATOR (PIPES & TANKS) HEAT & FROST INSULATORS LOCAL 6 (BOSTON)	09/01/2014	\$43.31	\$11.25	\$12.60	\$0.00	\$67.16

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

Effective Date - 09/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.66	\$11.25	\$9.35	\$0.00	\$42.26
2	60	\$25.99	\$11.25	\$10.00	\$0.00	\$47.24
3	70	\$30.32	\$11.25	\$10.65	\$0.00	\$52.22
4	80	\$34.65	\$11.25	\$11.30	\$0.00	\$57.20

Notes:

Steps are 1 year

Apprentice to Journeyworker Ratio:1:4

IRONWORKER/WELDER IRONWORKERS LOCAL 7 (BOSTON AREA)	03/16/2014	\$41.19	\$7.70	\$19.25	\$0.00	\$68.14
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Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - IRONWORKER - Local 7 Boston

Effective Date - 03/16/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$24.71	\$7.70	\$19.25	\$0.00	\$51.66
2	70	\$28.83	\$7.70	\$19.25	\$0.00	\$55.78
3	75	\$30.89	\$7.70	\$19.25	\$0.00	\$57.84
4	80	\$32.95	\$7.70	\$19.25	\$0.00	\$59.90
5	85	\$35.01	\$7.70	\$19.25	\$0.00	\$61.96
6	90	\$37.07	\$7.70	\$19.25	\$0.00	\$64.02

Notes:

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

Apprentice to Journeyworker Ratio:**

JACKHAMMER & PAVING BREAKER OPERATOR LABORERS - ZONE 2	12/01/2014	\$30.90	\$7.30	\$12.30	\$0.00	\$50.50
	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75

For apprentice rates see "Apprentice- LABORER"

LABORER LABORERS - ZONE 2	12/01/2014	\$30.65	\$7.30	\$12.30	\$0.00	\$50.25
	06/01/2015	\$31.15	\$7.30	\$12.30	\$0.00	\$50.75
	12/01/2015	\$31.65	\$7.30	\$12.30	\$0.00	\$51.25
	06/01/2016	\$32.15	\$7.30	\$12.30	\$0.00	\$51.75
	12/01/2016	\$32.90	\$7.30	\$12.30	\$0.00	\$52.50

Apprentice - LABORER - Zone 2

Effective Date - 12/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$18.39	\$7.30	\$12.30	\$0.00	\$37.99
2	70	\$21.46	\$7.30	\$12.30	\$0.00	\$41.06
3	80	\$24.52	\$7.30	\$12.30	\$0.00	\$44.12
4	90	\$27.59	\$7.30	\$12.30	\$0.00	\$47.19

Effective Date - 06/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$18.69	\$7.30	\$12.30	\$0.00	\$38.29
2	70	\$21.81	\$7.30	\$12.30	\$0.00	\$41.41
3	80	\$24.92	\$7.30	\$12.30	\$0.00	\$44.52
4	90	\$28.04	\$7.30	\$12.30	\$0.00	\$47.64

Notes:

Apprentice to Journeyworker Ratio:1:5

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
LABORER: CARPENTER TENDER <i>LABORERS - ZONE 2</i>	12/01/2014	\$30.65	\$7.30	\$12.30	\$0.00	\$50.25
	06/01/2015	\$31.15	\$7.30	\$12.30	\$0.00	\$50.75
	12/01/2015	\$31.65	\$7.30	\$12.30	\$0.00	\$51.25
	06/01/2016	\$32.15	\$7.30	\$12.30	\$0.00	\$51.75
	12/01/2016	\$32.90	\$7.30	\$12.30	\$0.00	\$52.50
For apprentice rates see "Apprentice- LABORER"						
LABORER: CEMENT FINISHER TENDER <i>LABORERS - ZONE 2</i>	12/01/2014	\$30.65	\$7.30	\$12.30	\$0.00	\$50.25
	06/01/2015	\$31.15	\$7.30	\$12.30	\$0.00	\$50.75
	12/01/2015	\$31.65	\$7.30	\$12.30	\$0.00	\$51.25
	06/01/2016	\$32.15	\$7.30	\$12.30	\$0.00	\$51.75
	12/01/2016	\$32.90	\$7.30	\$12.30	\$0.00	\$52.50
For apprentice rates see "Apprentice- LABORER"						
LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER <i>LABORERS - ZONE 2</i>	12/01/2014	\$30.85	\$7.30	\$12.25	\$0.00	\$50.40
	06/01/2015	\$31.35	\$7.30	\$12.25	\$0.00	\$50.90
	12/01/2015	\$31.85	\$7.30	\$12.25	\$0.00	\$51.40
For apprentice rates see "Apprentice- LABORER"						
LABORER: MASON TENDER <i>LABORERS - ZONE 2</i>	12/01/2014	\$30.90	\$7.30	\$12.30	\$0.00	\$50.50
	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
LABORER: MULTI-TRADE TENDER <i>LABORERS - ZONE 2</i>	12/01/2014	\$30.65	\$7.30	\$12.30	\$0.00	\$50.25
	06/01/2015	\$31.15	\$7.30	\$12.30	\$0.00	\$50.75
	12/01/2015	\$31.65	\$7.30	\$12.30	\$0.00	\$51.25
	06/01/2016	\$32.15	\$7.30	\$12.30	\$0.00	\$51.75
	12/01/2016	\$32.90	\$7.30	\$12.30	\$0.00	\$52.50
For apprentice rates see "Apprentice- LABORER"						
LABORER: TREE REMOVER <i>LABORERS - ZONE 2</i>	12/01/2014	\$30.65	\$7.30	\$12.30	\$0.00	\$50.25
	06/01/2015	\$31.15	\$7.30	\$12.30	\$0.00	\$50.75
	12/01/2015	\$31.65	\$7.30	\$12.30	\$0.00	\$51.25
	06/01/2016	\$32.15	\$7.30	\$12.30	\$0.00	\$51.75
	12/01/2016	\$32.90	\$7.30	\$12.30	\$0.00	\$52.50
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 2</i>	12/01/2014	\$30.90	\$7.30	\$12.30	\$0.00	\$50.50
	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
MARBLE & TILE FINISHERS <i>BRICKLAYERS LOCAL 3 - MARBLE & TILE</i>	02/01/2015	\$37.37	\$10.18	\$17.18	\$0.00	\$64.73
	08/01/2015	\$38.08	\$10.18	\$17.25	\$0.00	\$65.51
	02/01/2016	\$38.53	\$10.18	\$17.25	\$0.00	\$65.96
	08/01/2016	\$39.23	\$10.18	\$17.33	\$0.00	\$66.74
	02/01/2017	\$39.69	\$10.18	\$17.33	\$0.00	\$67.20

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

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

Effective Date - 02/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.69	\$10.18	\$17.18	\$0.00	\$46.05
2	60	\$22.42	\$10.18	\$17.18	\$0.00	\$49.78
3	70	\$26.16	\$10.18	\$17.18	\$0.00	\$53.52
4	80	\$29.90	\$10.18	\$17.18	\$0.00	\$57.26
5	90	\$33.63	\$10.18	\$17.18	\$0.00	\$60.99

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

Notes:

Apprentice to Journeyworker Ratio:1:3

MARBLE MASONS, TILELAYERS & TERRAZZO MECH	02/01/2015	\$49.00	\$10.18	\$18.50	\$0.00	\$77.68
BRICKLAYERS LOCAL 3 - MARBLE & TILE	08/01/2015	\$49.90	\$10.18	\$18.57	\$0.00	\$78.65
	02/01/2016	\$50.47	\$10.18	\$18.57	\$0.00	\$79.22
	08/01/2016	\$51.37	\$10.18	\$18.65	\$0.00	\$80.20
	02/01/2017	\$51.94	\$10.18	\$18.65	\$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 - 02/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.50	\$10.18	\$18.50	\$0.00	\$53.18
2	60	\$29.40	\$10.18	\$18.50	\$0.00	\$58.08
3	70	\$34.30	\$10.18	\$18.50	\$0.00	\$62.98
4	80	\$39.20	\$10.18	\$18.50	\$0.00	\$67.88
5	90	\$44.10	\$10.18	\$18.50	\$0.00	\$72.78

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

Notes:

Apprentice to Journeyworker Ratio:1:5

MECH. SWEEPER OPERATOR (ON CONST. SITES) OPERATING ENGINEERS LOCAL 4	12/01/2014	\$41.99	\$10.00	\$14.30	\$0.00	\$66.29
	06/01/2015	\$42.73	\$10.00	\$14.30	\$0.00	\$67.03
	12/01/2015	\$43.97	\$10.00	\$14.30	\$0.00	\$68.27
	06/01/2016	\$44.72	\$10.00	\$14.30	\$0.00	\$69.02
	12/01/2016	\$45.95	\$10.00	\$14.30	\$0.00	\$70.25
	06/01/2017	\$46.94	\$10.00	\$14.30	\$0.00	\$71.24
	12/01/2017	\$47.93	\$10.00	\$14.30	\$0.00	\$72.23

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

MECHANICS MAINTENANCE OPERATING ENGINEERS LOCAL 4	12/01/2014	\$41.99	\$10.00	\$14.30	\$0.00	\$66.29
	06/01/2015	\$42.73	\$10.00	\$14.30	\$0.00	\$67.03
	12/01/2015	\$43.97	\$10.00	\$14.30	\$0.00	\$68.27
	06/01/2016	\$44.72	\$10.00	\$14.30	\$0.00	\$69.02
	12/01/2016	\$45.95	\$10.00	\$14.30	\$0.00	\$70.25
	06/01/2017	\$46.94	\$10.00	\$14.30	\$0.00	\$71.24
	12/01/2017	\$47.93	\$10.00	\$14.30	\$0.00	\$72.23

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

MILL WRIGHT (Zone 2) MILLWRIGHTS LOCAL 1121 - Zone 2	10/01/2014	\$33.92	\$9.80	\$16.21	\$0.00	\$59.93
	04/01/2015	\$34.69	\$9.80	\$16.21	\$0.00	\$60.70

Classification Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - MILLWRIGHT - Local 1121 Zone 2

Effective Date - 10/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$18.66	\$9.80	\$4.48	\$0.00	\$32.94
2	65	\$22.05	\$9.80	\$13.36	\$0.00	\$45.21
3	75	\$25.44	\$9.80	\$14.18	\$0.00	\$49.42
4	85	\$28.83	\$9.80	\$14.99	\$0.00	\$53.62

Effective Date - 04/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$19.08	\$9.80	\$4.48	\$0.00	\$33.36
2	65	\$22.55	\$9.80	\$13.36	\$0.00	\$45.71
3	75	\$26.02	\$9.80	\$14.18	\$0.00	\$50.00
4	85	\$29.49	\$9.80	\$14.99	\$0.00	\$54.28

Notes:

Steps are 2,000 hours

Apprentice to Journeyworker Ratio:1:5

MORTAR MIXER	12/01/2014	\$30.90	\$7.30	\$12.30	\$0.00	\$50.50
LABORERS - ZONE 2	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75

For apprentice rates see "Apprentice- LABORER"

OILER (OTHER THAN TRUCK CRANES,GRADALLS)	12/01/2014	\$21.90	\$10.00	\$14.30	\$0.00	\$46.20
OPERATING ENGINEERS LOCAL 4	06/01/2015	\$22.28	\$10.00	\$14.30	\$0.00	\$46.58
	12/01/2015	\$22.93	\$10.00	\$14.30	\$0.00	\$47.23
	06/01/2016	\$23.32	\$10.00	\$14.30	\$0.00	\$47.62
	12/01/2016	\$23.97	\$10.00	\$14.30	\$0.00	\$48.27
	06/01/2017	\$24.48	\$10.00	\$14.30	\$0.00	\$48.78
	12/01/2017	\$25.00	\$10.00	\$14.30	\$0.00	\$49.30

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

OILER (TRUCK CRANES, GRADALLS)	12/01/2014	\$25.54	\$10.00	\$14.30	\$0.00	\$49.84
OPERATING ENGINEERS LOCAL 4	06/01/2015	\$25.99	\$10.00	\$14.30	\$0.00	\$50.29
	12/01/2015	\$26.74	\$10.00	\$14.30	\$0.00	\$51.04
	06/01/2016	\$27.20	\$10.00	\$14.30	\$0.00	\$51.50
	12/01/2016	\$27.95	\$10.00	\$14.30	\$0.00	\$52.25
	06/01/2017	\$28.55	\$10.00	\$14.30	\$0.00	\$52.85
	12/01/2017	\$29.16	\$10.00	\$14.30	\$0.00	\$53.46

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
OTHER POWER DRIVEN EQUIPMENT - CLASS II OPERATING ENGINEERS LOCAL 4	12/01/2014	\$41.99	\$10.00	\$14.30	\$0.00	\$66.29
	06/01/2015	\$42.73	\$10.00	\$14.30	\$0.00	\$67.03
	12/01/2015	\$43.97	\$10.00	\$14.30	\$0.00	\$68.27
	06/01/2016	\$44.72	\$10.00	\$14.30	\$0.00	\$69.02
	12/01/2016	\$45.95	\$10.00	\$14.30	\$0.00	\$70.25
	06/01/2017	\$46.94	\$10.00	\$14.30	\$0.00	\$71.24
	12/01/2017	\$47.93	\$10.00	\$14.30	\$0.00	\$72.23

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

PAINTER (BRIDGES/TANKS) PAINTERS LOCAL 35 - ZONE 2	01/01/2015	\$47.66	\$7.85	\$16.10	\$0.00	\$71.61
	07/01/2015	\$48.56	\$7.85	\$16.10	\$0.00	\$72.51
	01/01/2016	\$49.51	\$7.85	\$16.10	\$0.00	\$73.46
	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 - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.83	\$7.85	\$0.00	\$0.00	\$31.68
2	55	\$26.21	\$7.85	\$3.66	\$0.00	\$37.72
3	60	\$28.60	\$7.85	\$3.99	\$0.00	\$40.44
4	65	\$30.98	\$7.85	\$4.32	\$0.00	\$43.15
5	70	\$33.36	\$7.85	\$14.11	\$0.00	\$55.32
6	75	\$35.75	\$7.85	\$14.44	\$0.00	\$58.04
7	80	\$38.13	\$7.85	\$14.77	\$0.00	\$60.75
8	90	\$42.89	\$7.85	\$15.44	\$0.00	\$66.18

Effective Date - 07/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.28	\$7.85	\$0.00	\$0.00	\$32.13
2	55	\$26.71	\$7.85	\$3.66	\$0.00	\$38.22
3	60	\$29.14	\$7.85	\$3.99	\$0.00	\$40.98
4	65	\$31.56	\$7.85	\$4.32	\$0.00	\$43.73
5	70	\$33.99	\$7.85	\$14.11	\$0.00	\$55.95
6	75	\$36.42	\$7.85	\$14.44	\$0.00	\$58.71
7	80	\$38.85	\$7.85	\$14.77	\$0.00	\$61.47
8	90	\$43.70	\$7.85	\$15.44	\$0.00	\$66.99

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER (SPRAY OR SANDBLAST, NEW) * * If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. PAINTERS LOCAL 35 - ZONE 2	01/01/2015	\$38.56	\$7.85	\$16.10	\$0.00	\$62.51
	07/01/2015	\$39.46	\$7.85	\$16.10	\$0.00	\$63.41
	01/01/2016	\$40.41	\$7.85	\$16.10	\$0.00	\$64.36
	07/01/2016	\$41.36	\$7.85	\$16.10	\$0.00	\$65.31
	01/01/2017	\$42.31	\$7.85	\$16.10	\$0.00	\$66.26

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

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

Effective Date - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.28	\$7.85	\$0.00	\$0.00	\$27.13
2	55	\$21.21	\$7.85	\$3.66	\$0.00	\$32.72
3	60	\$23.14	\$7.85	\$3.99	\$0.00	\$34.98
4	65	\$25.06	\$7.85	\$4.32	\$0.00	\$37.23
5	70	\$26.99	\$7.85	\$14.11	\$0.00	\$48.95
6	75	\$28.92	\$7.85	\$14.44	\$0.00	\$51.21
7	80	\$30.85	\$7.85	\$14.77	\$0.00	\$53.47
8	90	\$34.70	\$7.85	\$15.44	\$0.00	\$57.99

Effective Date - 07/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.73	\$7.85	\$0.00	\$0.00	\$27.58
2	55	\$21.70	\$7.85	\$3.66	\$0.00	\$33.21
3	60	\$23.68	\$7.85	\$3.99	\$0.00	\$35.52
4	65	\$25.65	\$7.85	\$4.32	\$0.00	\$37.82
5	70	\$27.62	\$7.85	\$14.11	\$0.00	\$49.58
6	75	\$29.60	\$7.85	\$14.44	\$0.00	\$51.89
7	80	\$31.57	\$7.85	\$14.77	\$0.00	\$54.19
8	90	\$35.51	\$7.85	\$15.44	\$0.00	\$58.80

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER (SPRAY OR SANDBLAST, REPAINT)	01/01/2015	\$36.62	\$7.85	\$16.10	\$0.00	\$60.57
PAINTERS LOCAL 35 - ZONE 2	07/01/2015	\$37.52	\$7.85	\$16.10	\$0.00	\$61.47
	01/01/2016	\$38.47	\$7.85	\$16.10	\$0.00	\$62.42
	07/01/2016	\$39.42	\$7.85	\$16.10	\$0.00	\$63.37
	01/01/2017	\$40.37	\$7.85	\$16.10	\$0.00	\$64.32

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

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

Effective Date - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.31	\$7.85	\$0.00	\$0.00	\$26.16
2	55	\$20.14	\$7.85	\$3.66	\$0.00	\$31.65
3	60	\$21.97	\$7.85	\$3.99	\$0.00	\$33.81
4	65	\$23.80	\$7.85	\$4.32	\$0.00	\$35.97
5	70	\$25.63	\$7.85	\$14.11	\$0.00	\$47.59
6	75	\$27.47	\$7.85	\$14.44	\$0.00	\$49.76
7	80	\$29.30	\$7.85	\$14.77	\$0.00	\$51.92
8	90	\$32.96	\$7.85	\$15.44	\$0.00	\$56.25

Effective Date - 07/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.76	\$7.85	\$0.00	\$0.00	\$26.61
2	55	\$20.64	\$7.85	\$3.66	\$0.00	\$32.15
3	60	\$22.51	\$7.85	\$3.99	\$0.00	\$34.35
4	65	\$24.39	\$7.85	\$4.32	\$0.00	\$36.56
5	70	\$26.26	\$7.85	\$14.11	\$0.00	\$48.22
6	75	\$28.14	\$7.85	\$14.44	\$0.00	\$50.43
7	80	\$30.02	\$7.85	\$14.77	\$0.00	\$52.64
8	90	\$33.77	\$7.85	\$15.44	\$0.00	\$57.06

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER (TRAFFIC MARKINGS)	12/01/2014	\$30.65	\$7.30	\$12.30	\$0.00	\$50.25
LABORERS - ZONE 2	06/01/2015	\$31.15	\$7.30	\$12.30	\$0.00	\$50.75
	12/01/2015	\$31.65	\$7.30	\$12.30	\$0.00	\$51.25
	06/01/2016	\$32.15	\$7.30	\$12.30	\$0.00	\$51.75
	12/01/2016	\$32.90	\$7.30	\$12.30	\$0.00	\$52.50

For Apprentice rates see "Apprentice- LABORER"

PAINTER / TAPER (BRUSH, NEW) *	01/01/2015	\$37.16	\$7.85	\$16.10	\$0.00	\$61.11
* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. PAINTERS LOCAL 35 - ZONE 2	07/01/2015	\$38.06	\$7.85	\$16.10	\$0.00	\$62.01
	01/01/2016	\$39.01	\$7.85	\$16.10	\$0.00	\$62.96
	07/01/2016	\$39.96	\$7.85	\$16.10	\$0.00	\$63.91
	01/01/2017	\$40.91	\$7.85	\$16.10	\$0.00	\$64.86

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER - Local 35 Zone 2 - BRUSH NEW

Effective Date - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.58	\$7.85	\$0.00	\$0.00	\$26.43
2	55	\$20.44	\$7.85	\$3.66	\$0.00	\$31.95
3	60	\$22.30	\$7.85	\$3.99	\$0.00	\$34.14
4	65	\$24.15	\$7.85	\$4.32	\$0.00	\$36.32
5	70	\$26.01	\$7.85	\$14.11	\$0.00	\$47.97
6	75	\$27.87	\$7.85	\$14.44	\$0.00	\$50.16
7	80	\$29.73	\$7.85	\$14.77	\$0.00	\$52.35
8	90	\$33.44	\$7.85	\$15.44	\$0.00	\$56.73

Effective Date - 07/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.03	\$7.85	\$0.00	\$0.00	\$26.88
2	55	\$20.93	\$7.85	\$3.66	\$0.00	\$32.44
3	60	\$22.84	\$7.85	\$3.99	\$0.00	\$34.68
4	65	\$24.74	\$7.85	\$4.32	\$0.00	\$36.91
5	70	\$26.64	\$7.85	\$14.11	\$0.00	\$48.60
6	75	\$28.55	\$7.85	\$14.44	\$0.00	\$50.84
7	80	\$30.45	\$7.85	\$14.77	\$0.00	\$53.07
8	90	\$34.25	\$7.85	\$15.44	\$0.00	\$57.54

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER / TAPER (BRUSH, REPAINT)	01/01/2015	\$35.22	\$7.85	\$16.10	\$0.00	\$59.17
PAINTERS LOCAL 35 - ZONE 2	07/01/2015	\$36.12	\$7.85	\$16.10	\$0.00	\$60.07
	01/01/2016	\$37.07	\$7.85	\$16.10	\$0.00	\$61.02
	07/01/2016	\$38.02	\$7.85	\$16.10	\$0.00	\$61.97
	01/01/2017	\$38.97	\$7.85	\$16.10	\$0.00	\$62.92

Apprentice - PLUMBER/PIPEFITTER - Local 51

Effective Date - 09/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$14.35	\$11.00	\$1.50	\$0.00	\$26.85
2	50	\$17.94	\$11.00	\$1.50	\$0.00	\$30.44
3	60	\$21.53	\$11.00	\$7.85	\$0.00	\$40.38
4	70	\$25.12	\$11.00	\$11.66	\$0.00	\$47.78
5	80	\$28.70	\$11.00	\$15.35	\$0.00	\$55.05

Effective Date - 03/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$14.65	\$11.00	\$1.50	\$0.00	\$27.15
2	50	\$18.32	\$11.00	\$1.50	\$0.00	\$30.82
3	60	\$21.98	\$11.00	\$7.85	\$0.00	\$40.83
4	70	\$25.64	\$11.00	\$11.66	\$0.00	\$48.30
5	80	\$29.30	\$11.00	\$15.35	\$0.00	\$55.65

Notes:

Steps 2000hrs. Prior 9/1/05; 40/40/45/50/55/60/65/75/80/85

Apprentice to Journeyworker Ratio:1:3

PNEUMATIC CONTROLS (TEMP.) PLUMBERS & PIPEFITTERS LOCAL 51	09/01/2014	\$35.88	\$11.00	\$15.35	\$0.00	\$62.23
	03/01/2015	\$36.63	\$11.00	\$15.35	\$0.00	\$62.98
	09/01/2015	\$37.38	\$11.00	\$15.35	\$0.00	\$63.73
	03/01/2016	\$38.13	\$11.00	\$15.35	\$0.00	\$64.48

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

PNEUMATIC DRILL/TOOL OPERATOR LABORERS - ZONE 2	12/01/2014	\$30.90	\$7.30	\$12.30	\$0.00	\$50.50
	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75

For apprentice rates see "Apprentice- LABORER"

POWDERMAN & BLASTER LABORERS - ZONE 2	12/01/2014	\$31.65	\$7.30	\$12.30	\$0.00	\$51.25
	06/01/2015	\$32.15	\$7.30	\$12.30	\$0.00	\$51.75
	12/01/2015	\$32.65	\$7.30	\$12.30	\$0.00	\$52.25
	06/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75
	12/01/2016	\$33.90	\$7.30	\$12.30	\$0.00	\$53.50

For apprentice rates see "Apprentice- LABORER"

POWER SHOVEL/DERRICK/TRENCHING MACHINE OPERATING ENGINEERS LOCAL 4	12/01/2014	\$42.39	\$10.00	\$14.30	\$0.00	\$66.69
	06/01/2015	\$43.14	\$10.00	\$14.30	\$0.00	\$67.44
	12/01/2015	\$44.39	\$10.00	\$14.30	\$0.00	\$68.69
	06/01/2016	\$45.14	\$10.00	\$14.30	\$0.00	\$69.44
	12/01/2016	\$46.39	\$10.00	\$14.30	\$0.00	\$70.69
	06/01/2017	\$47.39	\$10.00	\$14.30	\$0.00	\$71.69
	12/01/2017	\$48.39	\$10.00	\$14.30	\$0.00	\$72.69

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
PUMP OPERATOR (CONCRETE) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2014	\$42.39	\$10.00	\$14.30	\$0.00	\$66.69
	06/01/2015	\$43.14	\$10.00	\$14.30	\$0.00	\$67.44
	12/01/2015	\$44.39	\$10.00	\$14.30	\$0.00	\$68.69
	06/01/2016	\$45.14	\$10.00	\$14.30	\$0.00	\$69.44
	12/01/2016	\$46.39	\$10.00	\$14.30	\$0.00	\$70.69
	06/01/2017	\$47.39	\$10.00	\$14.30	\$0.00	\$71.69
	12/01/2017	\$48.39	\$10.00	\$14.30	\$0.00	\$72.69
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (DEWATERING, OTHER) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2014	\$29.40	\$10.00	\$14.30	\$0.00	\$53.70
	06/01/2015	\$29.92	\$10.00	\$14.30	\$0.00	\$54.22
	12/01/2015	\$30.79	\$10.00	\$14.30	\$0.00	\$55.09
	06/01/2016	\$31.31	\$10.00	\$14.30	\$0.00	\$55.61
	12/01/2016	\$32.18	\$10.00	\$14.30	\$0.00	\$56.48
	06/01/2017	\$32.87	\$10.00	\$14.30	\$0.00	\$57.17
	12/01/2017	\$33.56	\$10.00	\$14.30	\$0.00	\$57.86
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
READY-MIX CONCRETE DRIVER <i>TEAMSTERS LOCAL 653</i>	08/01/2008	\$19.76	\$7.16	\$4.21	\$0.00	\$31.13
RECLAIMERS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2014	\$41.99	\$10.00	\$14.30	\$0.00	\$66.29
	06/01/2015	\$42.73	\$10.00	\$14.30	\$0.00	\$67.03
	12/01/2015	\$43.97	\$10.00	\$14.30	\$0.00	\$68.27
	06/01/2016	\$44.72	\$10.00	\$14.30	\$0.00	\$69.02
	12/01/2016	\$45.95	\$10.00	\$14.30	\$0.00	\$70.25
	06/01/2017	\$46.94	\$10.00	\$14.30	\$0.00	\$71.24
	12/01/2017	\$47.93	\$10.00	\$14.30	\$0.00	\$72.23
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
RESIDENTIAL WOOD FRAME (All Other Work) <i>CARPENTERS -ZONE 2 (Residential Wood)</i>	04/01/2011	\$24.24	\$8.67	\$15.51	\$0.00	\$48.42
RESIDENTIAL WOOD FRAME CARPENTER ** ** 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 2 (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.	05/01/2011	\$24.24	\$6.34	\$6.23	\$0.00	\$36.81

Classification Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - CARPENTER (Residential Wood Frame) - Zone 2

Effective Date - 05/01/2011

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$14.54	\$6.34	\$0.00	\$0.00	\$20.88
2	60	\$14.54	\$6.34	\$6.23	\$0.00	\$27.11
3	65	\$15.76	\$6.34	\$6.23	\$0.00	\$28.33
4	70	\$16.97	\$6.34	\$6.23	\$0.00	\$29.54
5	75	\$18.18	\$6.34	\$6.23	\$0.00	\$30.75
6	80	\$19.39	\$6.34	\$6.23	\$0.00	\$31.96
7	85	\$20.60	\$6.34	\$6.23	\$0.00	\$33.17
8	90	\$21.82	\$6.34	\$6.23	\$0.00	\$34.39

Notes:

Apprentice to Journeyworker Ratio:1:5

RIDE-ON MOTORIZED BUGGY OPERATOR LABORERS - ZONE 2	12/01/2014	\$30.90	\$7.30	\$12.30	\$0.00	\$50.50
	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75

For apprentice rates see "Apprentice- LABORER"

ROLLER/SPREADER/MULCHING MACHINE OPERATING ENGINEERS LOCAL 4	12/01/2014	\$41.99	\$10.00	\$14.30	\$0.00	\$66.29
	06/01/2015	\$42.73	\$10.00	\$14.30	\$0.00	\$67.03
	12/01/2015	\$43.97	\$10.00	\$14.30	\$0.00	\$68.27
	06/01/2016	\$44.72	\$10.00	\$14.30	\$0.00	\$69.02
	12/01/2016	\$45.95	\$10.00	\$14.30	\$0.00	\$70.25
	06/01/2017	\$46.94	\$10.00	\$14.30	\$0.00	\$71.24
	12/01/2017	\$47.93	\$10.00	\$14.30	\$0.00	\$72.23

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

ROOFER (Inc. Roofer Waterproofing & Roofer Damproofg) ROOFERS LOCAL 33	02/01/2015	\$40.11	\$10.50	\$11.60	\$0.00	\$62.21
	08/01/2015	\$41.01	\$10.50	\$11.60	\$0.00	\$63.11
	02/01/2016	\$41.91	\$10.50	\$11.60	\$0.00	\$64.01

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - SHEET METAL WORKER - Local 17-A

Effective Date - 02/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$17.48	\$9.82	\$4.58	\$0.00	\$31.88
2	40	\$17.48	\$9.82	\$4.58	\$0.00	\$31.88
3	45	\$19.66	\$9.82	\$9.09	\$1.16	\$39.73
4	45	\$19.66	\$9.82	\$9.09	\$1.16	\$39.73
5	50	\$21.85	\$9.82	\$9.91	\$1.25	\$42.83
6	50	\$21.85	\$9.82	\$10.16	\$1.25	\$43.08
7	60	\$26.21	\$9.82	\$11.55	\$1.43	\$49.01
8	65	\$28.40	\$9.82	\$12.38	\$1.52	\$52.12
9	75	\$32.77	\$9.82	\$14.02	\$1.70	\$58.31
10	85	\$37.14	\$9.82	\$15.16	\$1.86	\$63.98

Effective Date - 08/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$17.88	\$9.82	\$4.58	\$0.00	\$32.28
2	40	\$17.88	\$9.82	\$4.58	\$0.00	\$32.28
3	45	\$20.11	\$9.82	\$9.09	\$1.17	\$40.19
4	45	\$20.11	\$9.82	\$9.09	\$1.17	\$40.19
5	50	\$22.35	\$9.82	\$9.91	\$1.26	\$43.34
6	50	\$22.35	\$9.82	\$10.16	\$1.27	\$43.60
7	60	\$26.81	\$9.82	\$11.55	\$1.45	\$49.63
8	65	\$29.05	\$9.82	\$12.38	\$1.54	\$52.79
9	75	\$33.52	\$9.82	\$14.02	\$1.72	\$59.08
10	85	\$37.99	\$9.82	\$15.16	\$1.89	\$64.86

Notes:

Steps are 6 mos.

Apprentice to Journeyworker Ratio:1:4

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

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - SIGN ERECTOR - Local 35 Zone 2

Effective Date - 06/01/2013

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

Notes:

Steps arc 4 mos.

Apprentice to Journeyworker Ratio:1:1

SPECIALIZED EARTH MOVING EQUIP < 35 TONS <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2014	\$31.59	\$9.91	\$9.33	\$0.00	\$50.83
	06/01/2015	\$31.94	\$9.91	\$9.33	\$0.00	\$51.18
	08/01/2015	\$31.94	\$10.41	\$9.33	\$0.00	\$51.68
	12/01/2015	\$31.94	\$10.41	\$10.08	\$0.00	\$52.43
	06/01/2016	\$32.44	\$10.41	\$10.08	\$0.00	\$52.93
	08/01/2016	\$32.44	\$10.91	\$10.08	\$0.00	\$53.43
	12/01/2016	\$32.44	\$10.91	\$10.89	\$0.00	\$54.24
SPECIALIZED EARTH MOVING EQUIP > 35 TONS <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2014	\$31.88	\$9.91	\$9.33	\$0.00	\$51.12
	06/01/2015	\$32.23	\$9.91	\$9.33	\$0.00	\$51.47
	08/01/2015	\$32.23	\$10.41	\$9.33	\$0.00	\$51.97
	12/01/2015	\$32.23	\$10.41	\$10.08	\$0.00	\$52.72
	06/01/2016	\$32.73	\$10.41	\$10.08	\$0.00	\$53.22
	08/01/2016	\$32.73	\$10.91	\$10.08	\$0.00	\$53.72
	12/01/2016	\$32.73	\$10.91	\$10.89	\$0.00	\$54.53
SPRINKLER FITTER <i>SPRINKLER FITTERS LOCAL 550 - (Section A) Zone 1</i>	01/01/2015	\$53.58	\$8.42	\$14.75	\$0.00	\$76.75
	03/01/2015	\$54.58	\$8.42	\$14.75	\$0.00	\$77.75
	10/01/2015	\$55.73	\$8.42	\$14.75	\$0.00	\$78.90
	01/01/2016	\$55.73	\$8.67	\$14.90	\$0.00	\$79.30
	03/01/2016	\$56.73	\$8.67	\$14.90	\$0.00	\$80.30
	10/01/2016	\$57.88	\$8.67	\$14.90	\$0.00	\$81.45
	03/01/2017	\$58.88	\$8.67	\$14.90	\$0.00	\$82.45

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

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

Effective Date - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$18.75	\$8.42	\$8.40	\$0.00	\$35.57
2	40	\$21.43	\$8.42	\$8.40	\$0.00	\$38.25
3	45	\$24.11	\$8.42	\$8.40	\$0.00	\$40.93
4	50	\$26.79	\$8.42	\$8.40	\$0.00	\$43.61
5	55	\$29.47	\$8.42	\$8.40	\$0.00	\$46.29
6	60	\$32.15	\$8.42	\$8.40	\$0.00	\$48.97
7	65	\$34.83	\$8.42	\$8.40	\$0.00	\$51.65
8	70	\$37.51	\$8.42	\$8.40	\$0.00	\$54.33
9	75	\$40.19	\$8.42	\$8.40	\$0.00	\$57.01
10	80	\$42.86	\$8.42	\$8.40	\$0.00	\$59.68

Effective Date - 03/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$19.10	\$8.42	\$8.40	\$0.00	\$35.92
2	40	\$21.83	\$8.42	\$8.40	\$0.00	\$38.65
3	45	\$24.56	\$8.42	\$8.40	\$0.00	\$41.38
4	50	\$27.29	\$8.42	\$8.40	\$0.00	\$44.11
5	55	\$30.02	\$8.42	\$8.40	\$0.00	\$46.84
6	60	\$32.75	\$8.42	\$8.40	\$0.00	\$49.57
7	65	\$35.48	\$8.42	\$8.40	\$0.00	\$52.30
8	70	\$38.21	\$8.42	\$8.40	\$0.00	\$55.03
9	75	\$40.94	\$8.42	\$8.40	\$0.00	\$57.76
10	80	\$43.66	\$8.42	\$8.40	\$0.00	\$60.48

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	12/01/2014	\$41.99	\$10.00	\$14.30	\$0.00	\$66.29
OPERATING ENGINEERS LOCAL 4	06/01/2015	\$42.73	\$10.00	\$14.30	\$0.00	\$67.03
	12/01/2015	\$43.97	\$10.00	\$14.30	\$0.00	\$68.27
	06/01/2016	\$44.72	\$10.00	\$14.30	\$0.00	\$69.02
	12/01/2016	\$45.95	\$10.00	\$14.30	\$0.00	\$70.25
	06/01/2017	\$46.94	\$10.00	\$14.30	\$0.00	\$71.24
	12/01/2017	\$47.93	\$10.00	\$14.30	\$0.00	\$72.23

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TAMPERS, SELF-PROPELLED OR TRACTOR DRAWN OPERATING ENGINEERS LOCAL 4	12/01/2014	\$41.99	\$10.00	\$14.30	\$0.00	\$66.29
	06/01/2015	\$42.73	\$10.00	\$14.30	\$0.00	\$67.03
	12/01/2015	\$43.97	\$10.00	\$14.30	\$0.00	\$68.27
	06/01/2016	\$44.72	\$10.00	\$14.30	\$0.00	\$69.02
	12/01/2016	\$45.95	\$10.00	\$14.30	\$0.00	\$70.25
	06/01/2017	\$46.94	\$10.00	\$14.30	\$0.00	\$71.24
	12/01/2017	\$47.93	\$10.00	\$14.30	\$0.00	\$72.23

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

TELECOMMUNICATION TECHNICIAN ELECTRICIANS LOCAL 223	09/01/2014	\$31.71	\$8.00	\$9.38	\$0.00	\$49.09
	09/01/2015	\$32.56	\$8.40	\$9.59	\$0.00	\$50.55
	09/01/2016	\$33.33	\$8.90	\$9.78	\$0.00	\$52.01

Apprentice - TELECOMMUNICATION TECHNICIAN - Local 223

Effective Date - 09/01/2014

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

Notes: See Electrician Apprentice Wages

Steps are 750hrs

Telecom Apprentice Wages shall be the same as the Electrician Apprentice Wages

Apprentice to Journeyworker Ratio:2:3

TERRAZZO FINISHERS BRICKLAYERS LOCAL 3 - MARBLE & TILE	02/01/2015	\$47.90	\$10.18	\$18.50	\$0.00	\$76.58
	08/01/2015	\$48.80	\$10.18	\$18.57	\$0.00	\$77.55
	02/01/2016	\$49.37	\$10.18	\$18.57	\$0.00	\$78.12
	08/01/2016	\$50.27	\$10.18	\$18.65	\$0.00	\$79.10
	02/01/2017	\$50.84	\$10.18	\$18.65	\$0.00	\$79.67

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - TERRAZZO FINISHER - Local 3 Marble & Tile

Effective Date - 02/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.95	\$10.18	\$18.50	\$0.00	\$52.63
2	60	\$28.74	\$10.18	\$18.50	\$0.00	\$57.42
3	70	\$33.53	\$10.18	\$18.50	\$0.00	\$62.21
4	80	\$38.32	\$10.18	\$18.50	\$0.00	\$67.00
5	90	\$43.11	\$10.18	\$18.50	\$0.00	\$71.79

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

Notes:

Apprentice to Journeyworker Ratio:1:3

TEST BORING DRILLER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2014	\$35.95	\$7.30	\$13.15	\$0.00	\$56.40
	06/01/2015	\$36.70	\$7.30	\$13.15	\$0.00	\$57.15
	12/01/2015	\$37.45	\$7.30	\$13.15	\$0.00	\$57.90
	06/01/2016	\$38.20	\$7.30	\$13.15	\$0.00	\$58.65
	12/01/2016	\$39.20	\$7.30	\$13.15	\$0.00	\$59.65

For apprentice rates see "Apprentice- LABORER"

TEST BORING DRILLER HELPER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2014	\$34.67	\$7.30	\$13.15	\$0.00	\$55.12
	06/01/2015	\$35.42	\$7.30	\$13.15	\$0.00	\$55.87
	12/01/2015	\$36.17	\$7.30	\$13.15	\$0.00	\$56.62
	06/01/2016	\$36.92	\$7.30	\$13.15	\$0.00	\$57.37
	12/01/2016	\$37.92	\$7.30	\$13.15	\$0.00	\$58.37

For apprentice rates see "Apprentice- LABORER"

TEST BORING LABORER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2014	\$34.55	\$7.30	\$13.15	\$0.00	\$55.00
	06/01/2015	\$35.30	\$7.30	\$13.15	\$0.00	\$55.75
	12/01/2015	\$36.05	\$7.30	\$13.15	\$0.00	\$56.50
	06/01/2016	\$36.80	\$7.30	\$13.15	\$0.00	\$57.25
	12/01/2016	\$37.80	\$7.30	\$13.15	\$0.00	\$58.25

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TRACTORS/PORTABLE STEAM GENERATORS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2014	\$41.99	\$10.00	\$14.30	\$0.00	\$66.29
	06/01/2015	\$42.73	\$10.00	\$14.30	\$0.00	\$67.03
	12/01/2015	\$43.97	\$10.00	\$14.30	\$0.00	\$68.27
	06/01/2016	\$44.72	\$10.00	\$14.30	\$0.00	\$69.02
	12/01/2016	\$45.95	\$10.00	\$14.30	\$0.00	\$70.25
	06/01/2017	\$46.94	\$10.00	\$14.30	\$0.00	\$71.24
	12/01/2017	\$47.93	\$10.00	\$14.30	\$0.00	\$72.23
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
TRAILERS FOR EARTH MOVING EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2014	\$32.17	\$9.91	\$9.33	\$0.00	\$51.41
	06/01/2015	\$32.52	\$9.91	\$9.33	\$0.00	\$51.76
	08/01/2015	\$32.52	\$10.41	\$9.33	\$0.00	\$52.26
	12/01/2015	\$32.52	\$10.41	\$10.08	\$0.00	\$53.01
	06/01/2016	\$33.02	\$10.41	\$10.08	\$0.00	\$53.51
	08/01/2016	\$33.02	\$10.91	\$10.08	\$0.00	\$54.01
	12/01/2016	\$33.02	\$10.91	\$10.89	\$0.00	\$54.82
TUNNEL WORK - COMPRESSED AIR <i>LABORERS (COMPRESSED AIR)</i>	12/01/2014	\$46.83	\$7.30	\$13.55	\$0.00	\$67.68
	06/01/2015	\$47.58	\$7.30	\$13.55	\$0.00	\$68.43
	12/01/2015	\$48.33	\$7.30	\$13.55	\$0.00	\$69.18
	06/01/2016	\$49.08	\$7.30	\$13.55	\$0.00	\$69.93
	12/01/2016	\$50.08	\$7.30	\$13.55	\$0.00	\$70.93
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - COMPRESSED AIR (HAZ. WASTE) <i>LABORERS (COMPRESSED AIR)</i>	12/01/2014	\$48.83	\$7.30	\$13.55	\$0.00	\$69.68
	06/01/2015	\$49.58	\$7.30	\$13.55	\$0.00	\$70.43
	12/01/2015	\$50.33	\$7.30	\$13.55	\$0.00	\$71.18
	06/01/2016	\$51.08	\$7.30	\$13.55	\$0.00	\$71.93
	12/01/2016	\$52.08	\$7.30	\$13.55	\$0.00	\$72.93
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - FREE AIR <i>LABORERS (FREE AIR TUNNEL)</i>	12/01/2014	\$38.90	\$7.30	\$13.55	\$0.00	\$59.75
	06/01/2015	\$39.65	\$7.30	\$13.55	\$0.00	\$60.50
	12/01/2015	\$40.40	\$7.30	\$13.55	\$0.00	\$61.25
	06/01/2016	\$41.15	\$7.30	\$13.55	\$0.00	\$62.00
	12/01/2016	\$42.15	\$7.30	\$13.55	\$0.00	\$63.00
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - FREE AIR (HAZ. WASTE) <i>LABORERS (FREE AIR TUNNEL)</i>	12/01/2014	\$40.90	\$7.30	\$13.55	\$0.00	\$61.75
	06/01/2015	\$41.65	\$7.30	\$13.55	\$0.00	\$62.50
	12/01/2015	\$42.40	\$7.30	\$13.55	\$0.00	\$63.25
	06/01/2016	\$43.15	\$7.30	\$13.55	\$0.00	\$64.00
	12/01/2016	\$44.15	\$7.30	\$13.55	\$0.00	\$65.00
For apprentice rates see "Apprentice- LABORER"						
VAC-HAUL <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2014	\$31.59	\$9.91	\$9.33	\$0.00	\$50.83
	06/01/2015	\$31.94	\$9.91	\$9.33	\$0.00	\$51.18
	08/01/2015	\$31.94	\$10.41	\$9.33	\$0.00	\$51.68
	12/01/2015	\$31.94	\$10.41	\$10.08	\$0.00	\$52.43
	06/01/2016	\$32.44	\$10.41	\$10.08	\$0.00	\$52.93
	08/01/2016	\$32.44	\$10.91	\$10.08	\$0.00	\$53.43
	12/01/2016	\$32.44	\$10.91	\$10.89	\$0.00	\$54.24

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
WAGON DRILL OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2014	\$30.90	\$7.30	\$12.30	\$0.00	\$50.50
	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
WASTE WATER PUMP OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2014	\$42.39	\$10.00	\$14.30	\$0.00	\$66.69
	06/01/2015	\$43.14	\$10.00	\$14.30	\$0.00	\$67.44
	12/01/2015	\$44.39	\$10.00	\$14.30	\$0.00	\$68.69
	06/01/2016	\$45.14	\$10.00	\$14.30	\$0.00	\$69.44
	12/01/2016	\$46.39	\$10.00	\$14.30	\$0.00	\$70.69
	06/01/2017	\$47.39	\$10.00	\$14.30	\$0.00	\$71.69
	12/01/2017	\$48.39	\$10.00	\$14.30	\$0.00	\$72.69
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
WATER METER INSTALLER <i>PLUMBERS & PIPEFITTERS LOCAL 51</i>	09/01/2014	\$35.88	\$11.00	\$15.35	\$0.00	\$62.23
	03/01/2015	\$36.63	\$11.00	\$15.35	\$0.00	\$62.98
	09/01/2015	\$37.38	\$11.00	\$15.35	\$0.00	\$63.73
	03/01/2016	\$38.13	\$11.00	\$15.35	\$0.00	\$64.48
For apprentice rates see "Apprentice- PLUMBER/PIPEFITTER" or "PLUMBER/GASFITTER"						
Outside Electrical - East						
CABLE TECHNICIAN (Power Zone) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$25.66	\$8.70	\$4.48	\$0.00	\$38.84
For apprentice rates see "Apprentice- LINEMAN"						
CABLEMAN (Underground Ducts & Cables) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$36.55	\$8.70	\$6.58	\$0.00	\$51.83
For apprentice rates see "Apprentice- LINEMAN"						
DRIVER / GROUNDMAN CDL <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$29.94	\$8.70	\$6.05	\$0.00	\$44.69
For apprentice rates see "Apprentice- LINEMAN"						
DRIVER / GROUNDMAN -Inexperienced (<2000 Hrs) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$23.52	\$8.70	\$5.24	\$0.00	\$37.46
For apprentice rates see "Apprentice- LINEMAN"						
EQUIPMENT OPERATOR (Class A CDL) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$36.35	\$8.70	\$9.43	\$0.00	\$54.48
For apprentice rates see "Apprentice- LINEMAN"						
EQUIPMENT OPERATOR (Class B CDL) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$32.08	\$8.70	\$6.59	\$0.00	\$47.37
For apprentice rates see "Apprentice- LINEMAN"						
GROUNDMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$23.52	\$8.70	\$3.72	\$0.00	\$35.94
For apprentice rates see "Apprentice- LINEMAN"						
GROUNDMAN -Inexperienced (<2000 Hrs.) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$19.25	\$8.70	\$2.85	\$0.00	\$30.80
For apprentice rates see "Apprentice- LINEMAN"						
JOURNEYMAN LINEMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$42.77	\$8.70	\$11.78	\$0.00	\$63.25

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
Apprentice - LINEMAN (Outside Electrical) - East Local 104						
Effective Date - 09/01/2013						
Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$25.66	\$8.70	\$4.24	\$0.00	\$38.60
2	65	\$27.80	\$8.70	\$4.71	\$0.00	\$41.21
3	70	\$29.94	\$8.70	\$5.43	\$0.00	\$44.07
4	75	\$32.08	\$8.70	\$6.16	\$0.00	\$46.94
5	80	\$34.22	\$8.70	\$6.88	\$0.00	\$49.80
6	85	\$36.35	\$8.70	\$7.62	\$0.00	\$52.67
7	90	\$38.49	\$8.70	\$8.83	\$0.00	\$56.02

Notes:

Apprentice to Journeyworker Ratio:1:2

TELEDATA CABLE SPLICER <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	07/16/2012	\$26.33	\$4.18	\$2.79	\$0.00	\$33.30
TELEDATA LINEMAN/EQUIPMENT OPERATOR <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	07/16/2012	\$24.78	\$4.18	\$2.74	\$0.00	\$31.70
TELEDATA WIREMAN/INSTALLER/TECHNICIAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	07/16/2012	\$24.78	\$4.18	\$2.74	\$0.00	\$31.70
TREE TRIMMER <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	01/29/2012	\$17.18	\$3.37	\$0.00	\$0.00	\$20.55
This classification applies only to tree work done: (a) for a utility company, R.E.A. cooperative, or railroad or coal mining company, and (b) for the purpose of operating, maintaining, or repairing the utility company's equipment, and (c) by a person who is using hand or mechanical cutting methods and is not on the ground. This classification does not apply to wholesale tree removal.						
TREE TRIMMER GROUNDMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	01/29/2012	\$15.15	\$3.37	\$0.00	\$0.00	\$18.52
This classification applies only to tree work done: (a) for a utility company, R.E.A. cooperative, or railroad or coal mining company, and (b) for the purpose of operating, maintaining, or repairing the utility company's equipment, and (c) by a person who is using hand or mechanical cutting methods and is on the ground. This classification does not apply to wholesale tree removal.						

Additional Apprentice Information:

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

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

All steps are six months (1000 hours.)

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

** Multiple ratios are listed in the comment field.

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

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

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NAME OF BIDDER:

Bids must be submitted on this form and the following table. Bids submitted on any other form will not be considered valid. Please return this form and the attached forms to:

Town of Plymouth
ATTN: Procurement Div.
Town Office Building
11 Lincoln Street
Plymouth, MA 02360

Bids must be received by 2:30pm, Thursday, March 19, 2015. Postmarks will not be considered. All bids will be publicly opened and read at the above address, date and time. Prices are to include any delivery charges unless otherwise specified. All offers are subject to Specifications. This bid may be extended for up to an additional thirty (30) calendar days (beyond the period set forth below) at the request of the Town of Plymouth.

In compliance with the above, the undersigned offers and agrees, if this offer is accepted within thirty (30) business days from date of receipt of offers specified above, to perform the herein described work for the prices offered opposite each item and that said prices will be good for the period of one year.

The undersigned bidder hereby certifies:

Bidder has carefully read and examined all the documents herein referred to and knows and understands the terms and provisions therein.

Bidder agrees that if this bid is accepted he/she will contract with the Owner, as provided for in the bid/contract documents, and that he/she will perform all the work and furnish all bonds, the material and equipment and provide all labor, services, plant, machinery, apparatus, appliances, tools, supplies, and all other things required by the documents in the manner and within the time therein prescribed and according to the requirements of the Town as therein set forth and that he/she will take in full payment therefor, the lump sum applicable to the project as offered below.

The bid is based upon the payment to laborers to be employed on the project of wages in an amount not less than the applicable prevailing wage rates established for the project by the Massachusetts Division of Occupational Safety. The undersigned bidder agrees, in addition to any other rights and remedies available to the Awarding Authority, to indemnify the Awarding Authority for, from and against any loss, expense, damages,

actions or claims, including any expense incurred in connection with any delay or stoppage of the project work, arising out of or as a result of (1) the failure of the said bid to be based upon the payment of applicable prevailing wage rates or (2) the failure of the bidder, if selected as the Contractor, to pay laborers employed on the project the said applicable prevailing wage rates.

No person in the employ of the Town of Plymouth has any pecuniary interest in this proposal or in the contract for the work, which is proposed.

The undersigned hereby certifies that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the work; that all employees to be employed at the worksite will have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee; and that he will comply fully with all laws and regulations applicable to awards made subject to G.L. c.149, §44A.

THE UNDERSIGNED BIDDER HEREBY CERTIFIES UNDER THE PAINS AND PENALTIES OF PERJURY THE FOLLOWING:

This bid in all respects is bonafide, fair, and made without collusion or fraud with any other person. As used in this paragraph, the word PERSON shall mean any natural person, joint venture, partnership, corporation, or other business or legal entity.

It has complied with all laws of the Commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support in accordance with MGL Chapter 62C, Section 49A.

It is not presently debarred from doing public construction work in the commonwealth under the provisions of section twenty-nine F of chapter twenty-nine, or any other applicable debarment provisions of any other chapter of the General Laws or any rule or regulation promulgated thereunder.

All structural works should be priced installed with appropriate finishing works. Shop drawings may be required for any additional design work.

The Bidder understands and agrees that the estimated quantities for unit price pay items are not guaranteed, are approximate only, and are included solely for the purpose of comparison of bids, and that it shall be paid no more than its unit prices for all unit price work,

even if such work greatly exceeds the estimated quantities. The Bidder also understands and agrees that the Owner does not expressly or by implication guaranty or warrant the nature and extent of the materials or conditions that may be encountered below the surface of the ground.

PRICES SHALL INCLUDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO COMPLETE THE PARTICULAR ITEM AS SPECIFIED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

Quantities listed are estimates only and not guaranteed to approximate the actual amounts to be used.

Item #	Description	Est. Quantity	Unit	Unit Price	Estimate Total
120.1	Unclassified Excavation	1,000	CY		
129.1	Pavement Milling (Areas 2' - 4' Wide)	500	SY		
146	Drainage Structure - Removed	10	EA		
151.02	Gravel Borrow	1,000	TON		
153	Controlled Density Fill - Excavatable	100	CY		
156	Crushed Stone	100	TON		
201	Catch Basin (4.0' Dia)	10	EA		
201.1	Catch Basin (5.0' Dia)	10	EA		
201.3	Catch Basin (4.0' Dia) With Leaching Top	10	EA		
202	Manhole	10	EA		
204	Gutter Inlet	10	EA		
205.1	Leaching Basin (Including Stone & Fabric)	10	EA		
220	Drainage Structure - Adjusted	10	EA		
220.2	Drainage Structure - Rebuilt	10	FT		
220.3	Drainage Structure - Change In Type	10	EA		
222.3	Frame And Grate (Or Cover) Municipal Standard	10	EA		
222.4	Double Frame And Grate Municipal Standard	10	EA		
223	Frame And Grate (Or Cover) Remove And Reset	10	EA		
224.121	12 Inch Hood (The Eliminator)	10	EA		
227.4	Masonry Plug	10	SF		
238.12	12 Inch Ductile Iron Pipe	100	FT		

241.12	12 Inch Reinforced Concrete Pipe	100	FT		
252.12	12 Inch Corrugated Plastic (Polyethylene) Pipe	100	FT		
252.15	15 Inch Corrugated Plastic (Polyethylene) Pipe	100	FT		
252.18	18 Inch Corrugated Plastic (Polyethylene) Pipe	100	FT		
302.06	6 Inch Ductile Iron Water Pipe (Rubber Gasket)	100	FT		
309	Ductile Iron Fittings For Water Pipe	300	LB		
350.06	6 Inch Gate And Gate Box	10	EA		
358	Gate Box - Adjusted	10	EA		
376.2	Hydrant - Removed And Reset	10	EA		
376.5	Hydrant - Adjusted	10	EA		
381	Service Box	10	EA		
402.13	Dense Graded Crushed Stone (Various)	100	TON		
404.51	Reclaimed Pavement Borrow Material (Various)	100	TON		
431.1	High Early Strength Cement Concrete Base Course	100	CY		
440	Calcium Chloride For Roadway Dust Control	1,000	LB		
460.01	Hot Mix Asphalt (Areas 2' - 4' Wide)	100	TON		
464	Bitumen For Tack Coat	100	GAL		
464.5	Hot Poured Rubberized Asphalt Sealer	1,000	FT		
472	Hot Mix Asphalt - For Miscellaneous Work	100	TON		
472.6	Hot Mix Asphalt - For Box Widening	100	TON		
482.3	Sawing Asphalt Pavement	10,000	FT		
504	Granite Curb Type VA4 - Straight	1,000	FT		
504.1	Granite Curb Type VA4 - Curved	1,000	FT		
510	Granite Edging Type SA	1,000	FT		
514	Granite Curb Inlet - Straight	10	EA		
515	Granite Curb Inlet - Curved	10	EA		
520.3	Monolithic Cement Concrete Curb Municipal Standard	1,000	FT		
580	Curb - Removed And Reset	1,000	FT		
583	Edging - Removed And Reset	1,000	FT		
590	Curb - Removed And Stacked	1,000	FT		
593	Edging - Removed And Stacked	1,000	FT		

690	Stone Masonry Wall - Removed And Rebuilt In Cement Mortar	25	CY		
690.1	Stone Masonry Wall - Removed And Rebuilt Dry	25	CY		
695	Cement Concrete Block Retaining Wall	1,000	SF		
697	Sedimentation Fence	100	FT		
697.1	Silt Sack	100	EA		
701	Cement Concrete Sidewalk	2,000	SY		
701.1	Cement Concrete Sidewalk At Driveways	500	SY		
701.2	Cement Concrete Wheelchair Ramp	500	SY		
701.3	Cement Concrete Panel (Less Than 250 SF)	500	SY		
702	Hot Mix Asphalt Walk Surface	100	TON		
703	Hot Mix Asphalt Driveway	100	TON		
704	Stone Dust Walks	10	TON		
704.1	Stone Dust For Driveways	10	TON		
706	Brick Walk On Hot Mix Asphalt Setting Bed	100	SY		
706.1	Brick Walk - Removed And Relaid	10	SY		
751	Loam Borrow	250	CY		
765	Seeding	2,000	SY		
767.12	Compost Filter Tube	1,000	FT		
767.6	Aged Pine Bark Mulch	25	CY		
767.8	Bales Of Hay For Erosion Control	25	EA		
767.9	Matting For Erosion Control	25	SY		
832	Warning-Regulatory And Route Marker - Alum. Panel (Type A)	50	SF		
847.1	Sign Sup (N/Guide)+Rte Mkr W/1 Brkway Post Assembly - Steel	10	EA		
854.014	Temporary Pavement Markings - 4IN. (Painted)	1,000	FT		
856.12	Portable Changeable Message Sign	10	WK		
859	Reflectorized Drum	1,000	DAY		
874	Street Name Sign	10	EA		
875.1	Parking Meter - Removed And Reset	10	EA		
983.25	Riprap (Including Filter Fabric)	100	SY		
983.35	Riprap - Removed and Relaid (Including Filter Fabric)	100	SY		

	TOTAL BID	
TOTAL BID (IN WORDS):		

NOTE:

Discrepancies between unit prices and their respective total amounts will be resolved in favor of the unit price. Quantities are estimated. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

THE UNDERSIGNED ACKNOWLEDGES RECEIPT OF ADDENDA # _____ *

*To be filled in by bidder if addenda are issued.

PLEASE NOTE ANY EXCEPTIONS ON SEPARATE CONTRACTOR LETTERHEAD.

BIDDER _____

AUTHORIZED SIGNATURE

COUNTY _____

Printed Name and Title

STATE OF INCORPORATION _____

PHONE _____

Date Offered

FAX _____

E-MAIL _____

TAX I.D. NUMBER _____

TOWN OF PLYMOUTH
REFERENCES OF BIDDER

By signing this page, the bidder certifies that he/she has a minimum of three years experience in performing work of this nature.

Please also provide the names of at least THREE municipal clients for which the bidder has provided this type of work within the last three years, including names and telephone numbers of contact persons.

REFERENCES:

Signed:

Name of Person Authorized to Sign for the Bidder

Title

Date

DELEGATION OF AUTHORITY

At a meeting of the Board of Directors of the _____
(Name of Corporation)

_____ duly called and held on _____
(Date)

at which a quorum was present, and acting throughout, the following vote

was duly adopted: VOTED: That _____
(Name of Individual)

the _____ of the Corporation, hereby is authorized
(Title)

to affix the Corporate Seal, sign and deliver in the name and on behalf of the Corporation, bids, proposals, contracts, bills of sale, conditional sale agreements, chattel mortgages, leases, bonds, applications, affidavits, certificates, and any other similar documents required in connection with the sale of the Corporation's products to any purchaser, including assignments and satisfactions of any such documents.

Any and all applications, affidavits, statements, certificates, and similar documents required by law in connection with the licensing of the Corporation or its representatives for the sale, distribution, and servicing of its commercial products.

The authority is hereby delegated and shall be exercised by the aforesaid person in connection with the duties as

_____ of _____
(Title) (Name of Corporation)

and not otherwise.

ATTEST: _____ DATE: _____

NOTE: This form must be completed if the contractor is a corporation.