

Peter M. Ditto
6/30/20

TOWN OF BROOKLINE

Department of Public Works
333 Washington Street
Brookline, MA 02445-6863

NOTICE TO CONTRACTORS SPECIFICATIONS

PROPOSAL and CONTRACT AGREEMENT

For

BICYCLE AND PEDESTRIAN IMPROVEMENTS
ON BEACON ST, GREEN ST, AND WASHINGTON ST

CONTRACT No. PW/21-03

This Proposal To Be Opened And Read:
Thursday, July 16th, 2020 @ 2:00 PM Local Time

Name of Contractor : _____

SPECIAL NOTICE

No Pre-Bid Meeting will be held due to COVID-19 concerns. Pre-bid questions will be through email(dmartin@brooklinema.gov) or phone(617-730-2695).

The following pages shall be filled out completely at the time of bidding:

Proposal Page P - 1 thru P - 11

Bid security in the amount of 5% of Bid in a sealed envelope shall be attached to the outside of Bid Book envelope.

THIS CONTRACT SHALL BE SUBMITTED INTACT

Contract No. PW/21-03

CONTRACT NAME: BICYCLE AND PEDESTRIAN IMPROVEMENTS ON BEACON ST, GREEN ST, AND WASHINGTON ST

BID DUE: Thursday, July 16th, 2020, @ 2:00 p.m. Local Time

The following pages shall be filled out completely subsequent to the time of contract award:

Contractor's Certification Page SC-15 thru SC-17

Contract Page C-1 thru C-5

NOT FOR BID

INDEX

**BICYCLE AND PEDESTRIAN IMPROVEMENTS ON
BEACON ST, GREEN ST, AND WASHINGTON ST
CONTRACT NUMBER PW/21-03**

LOCUS PLAN I

NOTICE TO CONTRACTORS I - 1

SPECIAL PROVISIONS.....SP-1 to SP- 10

SPECIAL CONDITIONS.....SC-1 to SC-17

STATE WAGE RATES.....SC-17 to SC-53

SCOPE OF WORK.....SW-1 to SW-2

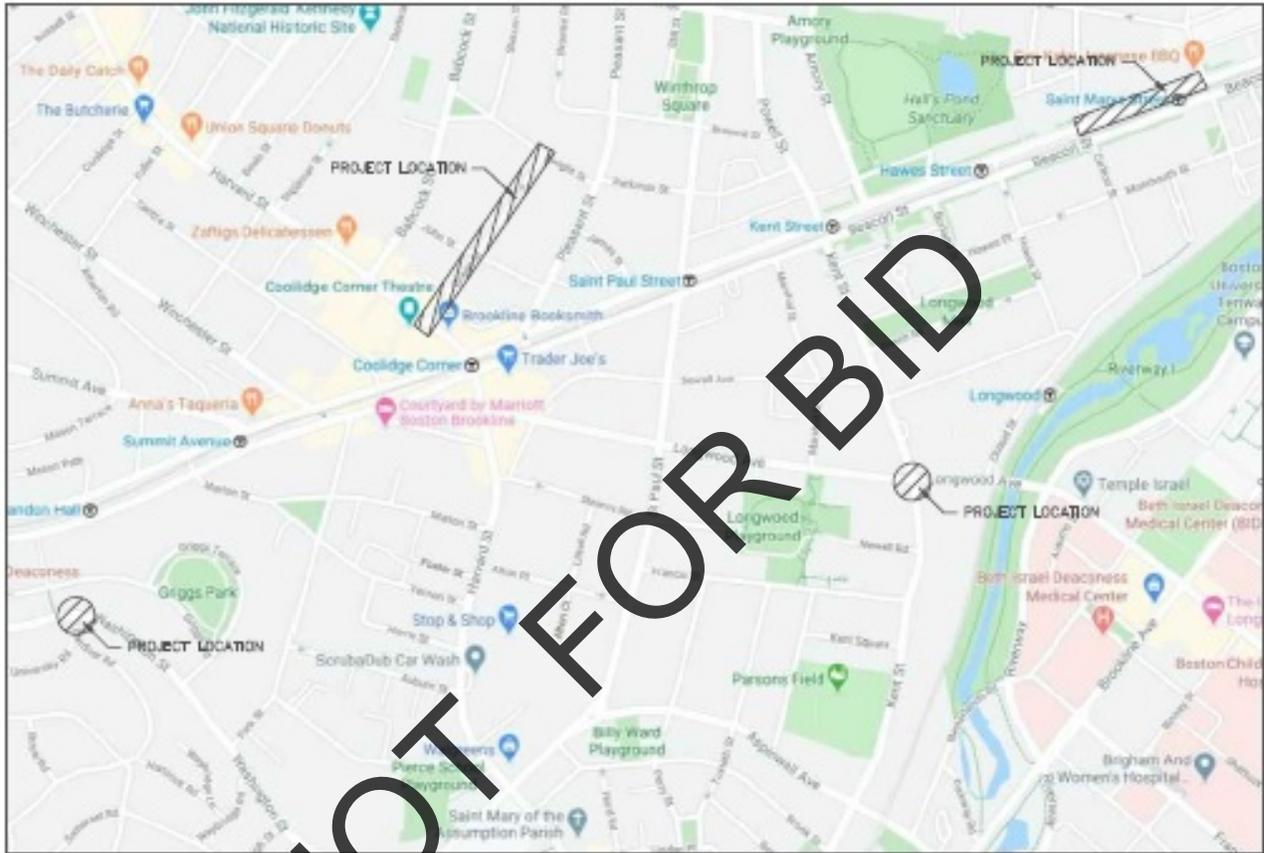
CONSTRUCTION PLANSW-3 TO SW-8

SUPPLEMENTARY SPECIFICATIONS.....SS-1 to SS-22

PROPOSALP-1 to P- 11

CONTRACT.....C-1 to C-5

NOT FOR BID



NOT FOR BID

Locus

Bicycle and Pedestrian Improvements on Beacon St, Green St, and Washington St - Contract No. PW/21-03

TOWN OF BROOKLINE NOTICE TO CONTRACTORS

Sealed bids for proposals addressed to the Commissioner of Public Works, Brookline, and endorsed, **“Bicycle and Pedestrian Improvements on Beacon St, Green St, and Washington St.”** **CONTRACT NO. PW/21-03** will be received at the office of the Brookline Department of Public Works in the Town Hall, 333 Washington Street, Brookline, Massachusetts, 02445 until **July 16, 2020 at 2:00 P.M. local time**, and at that time will be publicly read in the Fourth Floor Conference Room of the Town Hall. (Due to COVID-19 Concerns, bids will be mailed in or dropped at dropbox in front of Town Hall door. Bids will be read aloud via video conference)

Project specifications, including proposal forms, may be obtained at the Engineering / Transportation Division Office, Fourth Floor, Town Hall, 333 Washington Street, Brookline, Massachusetts, 02445 on **July 2nd, 2020**, upon payment of a **NON-REFUNDABLE FEE of Fifty (\$50.00) Dollars. (Project and Bid Docs can be emailed upon receipt of \$50 Fee)**

Bid security in the form of a bid bond or certified check in the amount of 5% of the bid payable to the Town of Brookline is required. Bid security shall not be enclosed with the proposal but shall be delivered separately to the office of the Department of Public Works, attached to the outside of the bid proposal.

The successful bidder shall furnish guarantee bonds in the form of a performance bond and a payment bond, each in the amount equal to 100% of the bid, from a surety company satisfactory to the Town.

Minimum wage rates have been fixed by the Massachusetts Department of Labor and Industries and shall be in conformance with Section 26 through Section 27G of Chapter 149 of the Massachusetts General Laws. The Town is an equal opportunity employer and will require compliance with its Affirmative Action program and with the Affirmative Actions stated in Article 4.4 of the Town by-law.

A **pre-bid conference** advising bidders of bid conditions and Affirmative Action Guidelines will not be held due to COVID-19 concerns. Please contact The Town of Brookline Engineering Department via phone or email if there are any pre-bid questions or concerns.

The contract book shall be submitted intact for comparison of bids.

The Commissioner of Public Works reserves the right to reject any or all bids, or to accept any bid, or to defer the start of work operations should he deem it in the best interest of the Town to do so.

Andrew M. Pappastergion,
Commissioner of Public Works

SPECIAL PROVISIONS

The 1988 edition of "STANDARD SPECIFICATIONS FOR HIGHWAYS, BRIDGES AND WATERWAYS" of the Commonwealth of Massachusetts, Department of Public Works including supplementary specifications, amendments and addenda thereto are incorporated by reference in this Proposal and Contract and are referred to as the "STANDARD SPECIFICATIONS".

The "STANDARD SPECIFICATIONS" are revised by the following special provisions to conform with practices of the Town of Brookline. In case of conflict between these Special Provisions and the aforesaid "STANDARD SPECIFICATIONS", these Special Provisions shall take precedence and shall govern.

The enforcement of the requirements of any of the following Special Provisions shall not be constructed as waiving any of the rights of the Party of the First Part contained in any of the other divisions of the contract.

This contract shall be interpreted in accordance with the laws of the Commonwealth of Massachusetts. All actions, claims and disputes hereunder shall be presented to a court or agency of the Commonwealth of Massachusetts.

SECTION 1.00

DEFINITION OF TERMS

1.01 Definition of Terms (page 3)

The following words, terms, or their pronouns used in the "STANDARD SPECIFICATIONS" shall be understood to mean as follows:

| | |
|---|---|
| Chief Engineer | The Commissioner of Public Works, Town of Brookline |
| Commissioner, Commissioners and Board of Commissioners..... | The Board of Selectmen, Brookline, Massachusetts |
| Commonwealth..... | The Town of Brookline |
| Department..... | The Town of Brookline Department of Public Works |
| Department Secretary..... | Administrative Assistant, Town of Brookline, Department of Public Works |

| | |
|--|---|
| Engineer, Resident Engineer, Research and Materials Engineer..... | The Commissioner of Public Works, Town of Brookline, acting directly or through an authorized representative acting within the scope of the particular duties entrusted to him. |
| Notice to Contractors | The notice published in newspapers or publicly posted within the Town of Brookline announcing the time and place for the opening of bids for work to be done. |
| Party of the First Part | The Town of Brookline acting through its duly authorized officials. |
| Right of Way..... | That area which has been laid out or acquired for municipal purposes. |
| Special Provisions..... | The special directions, provisions and requirements prepared to cover proposed work not satisfactorily provided for by the "STANDARD SPECIFICATIONS". These special provisions shall be included within the general term "STANDARD SPECIFICATIONS" and shall be made a part of the contract with the express purpose that they shall prevail over all other specifications. |
| Specifications..... | The directions, provisions and requirements contained herein and contained in the aforesaid "STANDARD SPECIFICATIONS", together with all written agreements made or to be made pertaining to the method and manner of performing the work of the quantities and qualities of materials to be furnished under the contract. |
| Supervisor of Fiscal Management | Administrative Assistant, Town of Brookline, Department of Public Works. |

NOT FOR BID

SECTION 2.00

PROPOSAL REQUIREMENTS AND CONDITIONS

2.01 Proposal Forms and Plans (page 7)

B. Issuance of Proposal Forms and Plans

Revise as follows:

First paragraph - Delete lines 7, 8 and 9 and Add:

that "Approval for Proposal Form" to the Engineering Division, Department of Public Works, 4th Floor, 333 Washington Street, Brookline, Massachusetts, accompanied by cash, bank check, certified check or money order in the amount stated in the "Notice to Contractors" made payable to the Town of Brookline.

2.05 Delivery of Proposals (page 9)

Revise as follows:

Each proposal shall be submitted to the Administrative Assistant of the Department of Public Works, Town of Brookline, sealed in an envelope on which is clearly indicated the contents, including the name of the municipality in which the improvement is to be made, and the name and address of the Bidder.

If forwarded by mail, preferably by registered mail, the above mentioned envelope shall be enclosed in another envelope which shall be addressed to the Office Manger, Town of Brookline, Department of Public Works, Brookline, Massachusetts. Proposals received at the office of the Administrative Assistant after the time for opening of bids designated in the Notice to Contractors will be returned to the bidder unopened.

2.07 Withdrawal of Proposals (page 9)

Revise as follows:

A bidder may withdraw his proposal provided the request in writing is in the hands of the Administrative Assistant of the Department of Public Works, Town of Brookline, by the time set for opening proposals. When such proposal is reached during the opening of the bids it will be returned to the bidder unopened.

2.11 Competency of Bidders (page 10)

Revise as follows:

No contract will be awarded except to responsible bidders capable of performing the class of work contemplated. Before the award of the contract, any bidder may be required to show that he has the necessary facilities, experience, ability and financial resources to perform the work in a satisfactory manner and within the time stipulated. If the contract contains special work of a complicated nature or if it contains items for materials or work experience, he will be required to show proof that he has a satisfactory record of similar work performed or materials furnished under other contracts. A bidder who fails to comply with this requirement will not be considered for award of contract.

SECTION 3.00

AWARD AND EXECUTION OF CONTRACT

3.05 Execution of Contract (page 11)

Revise as follows:

The prepared contract and bond forms will be sent with the notification of award to the successful bidder who shall execute and deliver the contract and furnish the surety, in conformity with the stipulations contained in Subsection 3.04, and Subsection 7.05 in the amounts named in the Special Provisions, to the Department within seven (7) calendar days after the date of the award.

The contract shall be in writing and be executed in quadruplicate; one of which shall be retained by the Brookline Selectmen, one retained by the Department, and one each delivered to the Comptroller of the Town of Brookline and the contractor.

SECTION 5.00

CONTROL OF WORK

5.06 Adjacent Contracts (page 17)

Add the following paragraph:

The Contractor's attention is directed to the fact that work by utility companies, municipal departments and other contractors will be carried on concurrently within and adjacent to the limits of the contract. The said companies, departments and other contractors will require access over the site and the Contractor shall do his work in cooperation with them, in accordance with the stipulations of Subsection 5.06. The attention of the Contractor is also directed to the provisions of General Laws, Chapter 82, Section 40 as amended, no one may excavate in the Commonwealth of Massachusetts except in an emergency without giving 72 hours notice,

exclusive of Saturdays, Sundays, and legal holiday's to natural gas pipeline companies, public utility companies, cable television companies, and municipal utility departments that supply gas, electricity, telephone or cable television service in or to the city or town where the excavation is to be made.

The utility companies have established a public utility underground plant damage prevention system called "Dig Safe" to receive the above mentioned notices of excavation which are then transmitted to member utilities. There is no cost to the excavator. The calls are received over toll free lines (phone number: 1-888-DIG-SAFE or 1-888-322-4844).

THIS NOTIFICATION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

5.07 Construction (Stakes) Staking (page 18)

Revise as follows:

The Department will furnish base lines, benchmarks and measurements used for payment. The Contractor shall furnish all other engineering work and approved materials required for strict compliance with lines and grades shown on the plans and he shall employ qualified engineering personnel for the purpose.

The Department may check the engineering work of the Contractor as the work progresses and will inform the Contractor of the results of the check. Such notice does not relieve the Contractor of his responsibility for the accuracy of the engineering work.

5.11 Final Acceptance (page 19)

Revise as follows:

Before any acceptance of the entire project the Engineer will make a complete final inspection of the work done.

If the work or any part thereof is not acceptable to the Engineer at the time of the final inspection, he shall notify the Contractor in writing of the particular defects or parts to be remedied before final acceptance. If the contractor has not arranged, within a period of five (5) days after the date of transmittal of such notice of unacceptance, to complete the work as speedily as described by the Engineer, the Engineer may without further notice and without in any way affecting the contract, make such other arrangements as he may consider necessary to insure the satisfactory completion of the project. The cost of so completing the work shall be deducted from any moneys due or which may become due the Contractor under the contract.

SECTION 6.00

CONTROL OF MATERIALS

6.01 Source of Supply and Quality (page 20)

Add the following paragraph:

Trade names and catalog numbers mentioned on the Plans or in the Special Provisions are used for the purpose of furnishing a brief description of the materials. Similar materials will be accepted if, in the opinion of the Engineer, they are equal in quality and operation to those specifically mentioned. All materials must have the name or trademark of the manufacturer stamped thereon when and where such identification of materials is customary.

SECTION 7.00

LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC

7.05 Insurance Requirements (page 25)

The minimum limits of the several kinds of liability insurance required for this contract are listed as follows:

| | |
|--|-----------------------|
| Public liability..... | \$1,000,000/2,000,000 |
| Contractor's Protective Liability..... | \$1,000,000/2,000,000 |
| Property Damage | \$1,000,000/2,000,000 |
| Contractor's Protective Property Damage..... | \$1,000,000/2,000,000 |

The Town shall be named "additional insured" along with being named as owner and certificates of insurance shall be furnished to both parties. The Contractor shall do reporting of accidents and claims. These policies must contain on their face a notation that they cannot be canceled without at least thirty (30) day's notice in writing to the Town as owner.

Attention is directed to Section C of said Subsection 7.05 wherein it stipulates that the above insurance shall cover all damages to property whether above or below ground and other pertinent requirements.

7.09 Public Safety and Convenience (page 27)

Add the following paragraph:

Reasonably safe and convenient facilities shall be provided by the Contractor for the passage of pedestrians, vehicles and public emergency vehicles through the site of the improvement and to and from land abutting thereon. When the construction work interferes with the use of parking meters, the Contractor shall notify the Chief of Police of the Town of Brookline prior to beginning any work so affecting the parking meters.

7.11 Traffic Officers and Railroad Flagging Service (page 28)

Revise as follows:

The Contractor shall provide for such detail police officers as the Engineer deems necessary for the direction and control of traffic within the site of the improvement. Application shall be made to the Brookline Police Department for these personnel. Such police officers shall be regular Town police officers and shall wear regulation policemen's uniforms. Payment for these police officers will be made directly by the Town.

When any of the work operations, required to be done by the Contractor, obstructs the tracks of a railroad or street railway, or in any way endangers the operations of a railroad or railway and the Chief Engineer of other railroad or railway official deems the employment of a flagman or flagmen necessary (Subsection 7.09, Public Safety and Convenience), the Contractor shall apply to the railroad or street railway for this personnel. Payment for these flagmen will be made directly by the Town.

7.13 Protection and Restoration of Property (page 29)

Add the following paragraph:

Whenever it is necessary to interfere with the aforesaid underground structures, the Contractor shall maintain their respective services, and, if necessary for that purpose, shall cause temporary services to be laid. He shall repair all damage done to underground structures and shall leave them in as good condition as they were previous to the beginning of the work. If so directed by the Engineer, permanent changes of locations of said underground structures, not indicated on the plans or in the "STANDARD SPECIFICATIONS", shall be made by the Contractor to meet the requirements of the new construction and its appurtenances and new work shall be added, when necessary, to leave said underground structures in good working order. The cost of such permanent changes not indicated on the plans or in the "STANDARD SPECIFICATIONS" is to be paid for as Extra Work when so ordered in writing by the Engineer.

Whenever it becomes necessary to move or relocate any Postal Collection or Relay Boxes the Contractor shall notify the Postmaster, Boston, Massachusetts at least Forty-eight (48) hours before operations are carried on in the area, at which time the Postal authorities will make arrangements for the proper removal.

7.14 Responsibility for Damage Claims (page 29)

Revise third paragraph as follows:

Without limiting the foregoing Paragraph 7.14 is specifically referenced and made a part hereof.

The Selectmen may delay the beginning of the work or any part thereof if they shall not have obtained possession of the land in or upon which the same is to be performed, or if for any reason it becomes necessary to do so. The Contractor shall have no claim for damages on account of such delay, but shall be entitled to so much additional time wherein to perform and complete this contract on his part as the Engineer shall certify in writing to be just. Wherever any part of the work covered by this agreement is done in part by or connects with the work of other contracts, the Contractor agrees to perform his work so as to accommodate the work of the other contractors, and to cooperate with such contractors in mutual agreements as to all such work, and no contractor shall have any claim against the Town growing out of the negligence or delay of any other contractor or contractors; but each contractor shall be liable to every other contractor for any such delay or negligence.

7.16 Claims of Contractor for Compensation (page 34)

Revise as follows:

No person or corporation, other than the signer of the contract as Contractor, now has any interest hereunder, and no claim shall be made or be valid; and neither the Party of the First Part nor any member, agent or employee thereof, shall be liable for, or be held to pay, any money except as provided in Subsections 4.02, 4.03, 4.04, 4.06, 8.12, and 9.02 and Clause 3 of the Contract.

All claims of the Contractor for compensation other than as provided for in the contract on account of any act of omission or commission by the Party of the First Part or its agents must be made in writing to the Engineer within one week after the beginning of any work or the sustaining of any damage on account of such act, such written statement to contain a description of the nature of the work performed or damage sustained; and the Contractor shall, on or before the fifteenth (15) day of the month succeeding that in which such work is performed or damage sustained, file with the Engineer an itemized statement of the details and amount of such work or damage. Unless such statement shall be made as so required, the Contractor's claim for compensation shall be forfeited and invalid, and he shall not be entitled to payment on account of any such work or damage. The determination of the Engineer shall be final upon all questions as to the amount and value of such work, and the fact and extent of such damage.

The acceptance by the Contractor of the last payment made under the provisions of Subsection 9.05 shall operate as and shall be a release to the Party of the First Part and every member, agent and employee thereof, from all claims and liability to the Contractor for anything done or furnished for, or relating to, the work, or for any act or neglect to the Party of the First Part or any person relating to or affecting the work, except the claim against the Party of the First Part for the remainder, if any there be, of the amount kept or retained as provided in Subsection 7.15.

7.22 Labor, Lodging, Board, Maximum Hours of Employment, Weekly Payment, Keeping of Payroll Records. (page 37)

Revise second paragraph as follows:

No laborer, workman, mechanic, foreman and inspector employed by any contractor or subcontractor, or other person, doing or contracting to do the whole or a part of the work contemplated by this contract shall be required or permitted to work more than eight (8) hours in any one day or more than forty-eight (48) hours in any one week, or more than six (6) days in any one week, except in cases of emergency (General Laws, Chapter 149, Section 30).

Subject to the provisions of Subsection 8.03 (Prosecution of Work) no work shall be performed under this contract on a Saturday, Sunday or a legal holiday or on any other day before 7:30 A.M. or after 4:00 P.M., except:

1. In case of emergency, the determination of which shall be made solely by the Engineer; or,
2. On written request by the Contractor and written approval by the Engineer. The Contractor shall be responsible for securing the approval of all bodies or tribunals having jurisdiction or authority relevant to work during restricted hours. The Contractor's written request shall contain a statement that the Contractor agrees to reimburse the Town for wage payments made to the Engineer's representative for overtime employment at normal and/or overtime rates.

Where applicable, the Town shall be reimbursed for wage payments made for such overtime work by deducting such wage payments from periodic pay estimates due to the Contractor under Subsection 9.04.

The written approval of the Engineer permitting work during the restricted hours and days shall not be construed as relieving the Contractor from any responsibility as set forth in Subsection 8.03 or any other provisions in the "STANDARD SPECIFICATIONS".

SECTION 8.00

PROSECUTION AND PROGRESS

8.04 Removal or Demolition of Buildings and Land Takings (page 39)

Delete the word "highway" in the first line.

8.11 Failure to Complete Work on Time (page 42)

Schedule of deductions :

| Original Contract Amount: | | Daily Charge Per Calendar Day |
|----------------------------------|-----------------------------|--|
| From More Than | To and Including | |
| \$0 | \$100,000 | \$250.00 |
| 100,000 | 500,000 | \$375.00 |
| 500,000 | 1,000,000 | \$425.00 |
| 1,000,000 | 2,000,000 | \$550.00 |
| 2,000,000 | 3,000,000 | \$675.00 |
| 3,000,000 | 4,000,000 | \$800.00 |
| 4,000,000 | 5,000,000 | \$925.00 |
| 5,000,000 | 10,000,000 | \$1050.00 |
| 10,000,000 | 15,000,000 | \$1175.00 |
| Over | 15,000,000 | \$1500.00 |

SECTION 9.0 MEASUREMENT AND PAYMENT

Subsection 9.04 Partial Payments (page 47)

Revise the second paragraph as follows:

There will be a retainage of ten (10) percent of the value of all planting items. There will be a retainage of five (5) percent of the value of all other items of work excluding the planting items.

Add the following paragraph:

The Contractor shall be responsible for the reimbursement to the Town for all wages, computed at standard and/or overtime rate, paid to the Engineer or his authorized agent for employment outside of regular Town working hours for overtime work requested by the Contractor. Such reimbursement shall be made by deducting the various sums, paid by the Town to its employees, from periodic partial pay estimates due the Contractor.

SPECIAL CONDITIONS

Required Compliance with Chapter 151B

During the performance of this Contract, the Contractor, for himself, his assignees and successors in interest (hereinafter referred to as the "Contractor"), agrees as follows:

(1) Compliance with Requirements:

The Contractor will comply with the provisions of Chapter 151B as amended of the non-discrimination Laws of the Commonwealth, which are herein incorporated by reference and made a part of this Contract insofar as applicable to this Contract.

(2) Non-discrimination:

In the performance of work under this Contract, the Contractor shall not discriminate in employment practices or in the selection or retention of sub-contractors or in the procurement of materials or rental of equipment, on the grounds of race, color, religion, national origin, age or sex.

The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice advising the said labor union or workers' representative of the Contractor's commitments under this section, and shall post copies of such notice in conspicuous places available to employees and applicants for employment.

(3) Solicitations for Subcontracts and in the Procurement of Materials and Equipment:

In all solicitations either by competitive bidding or negotiation made by the Contractor for work to be performed under a subcontract and for the procurement of materials or equipment, each potential sub-contractor or supplier shall be notified in writing by the Contractor of the Contractor's obligations under this Contract relative to non-discrimination on the grounds of race, color, religion, national origin, age or sex.

(4) Information and Reports:

The Contractor will provide all information and reports required, on orders or instructions issued by the Department of Public Works or the Massachusetts Commission Against Discrimination, and will permit access to his books, records, accounts and other sources of information and facilities as may be determined pertinent by the Massachusetts Commission Against Discrimination to ascertain compliance with such orders or instructions. Where the information required is in the exclusive possession of another who fails or refuses to furnish the required information, the Contractor shall so certify to the Department of Public Works or the Massachusetts Commission against Discrimination, as appropriate, and shall set forth what efforts he has made to obtain the required information.

(5) Sanctions for Non-Compliance:

In the event the Contractor fails to comply with the non-discrimination provisions of this Contract, the Department of Public Works shall impose such contract sanctions as it may determine to be appropriate, including but not limited to:

(a) withholding of payments due the Contractor under this contract until the Contractor complies, and/or

(b) cancellation, termination or suspension of this Contract, in whole or in part.

The Contractor's right of appeal is assured under Section 6 of Chapter 151B of the General Laws of the Commonwealth.

(6) Incorporation of Provisions:

The Contractor shall include the provisions of paragraph (1) through (6) in every subcontract, including the procurement of materials and rentals of equipment. The Contractor shall take such action with respect to subcontracts or procurements as the Department of Public Works may direct as a means of enforcing such provisions, including sanctions for non-compliance, provided however, that in the event the Contractor becomes involved in, or is threatened with litigation with a subcontractor or supplier or union or association as a result of such direction, the Contractor may request the Town of Brookline to enter into such litigation to protect the interests of the Town of Brookline.

NOT FOR BID

TOWN OF BROOKLINE, MASSACHUSETTS

AFFIRMATIVE ACTION PROGRAM FOR CONTRACTORS AND VENDORS

FOR BIDS OF \$10,000 OR OVER

I. PURPOSE

The purpose of the program is to guarantee that contractors*, wishing to do business with the Town of Brookline, do not discriminate against persons for whom their race, religion, color, sex, national origin, or age have proven to be obstacles to their employment (new or continued) or advancement.

All successful contractors receiving Town contracts for \$10,000 or more must include written documentation of compliance with its Town's Affirmative Action Program for contractors as stated in Articles 4.4 of the Town's By-Laws (attached.) Such documentation shall be in compliance with the following Affirmative Action statement.

"In connection with the execution of this contract, the Contractor shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, or age. The Contractor shall take affirmative action to insure that applicants are employed, and that employees are treated during their employment, without regard to their race, religion, color, sex, national origin, or age. Such action shall include, but not be limited to, the following:

employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay, or other forms of compensation; and selection for training, including apprenticeship."

* This includes vendors throughout.

II. COMPLIANCE

The Affirmative Action Program must include evidence of the following:

1. Unless Union agreements prohibit and there is no union Affirmative Action Program acceptable to the Human Relations-Youth Resources Commission, or there is no union, the Contractor must use varied sources of new employees. These sources would include state and private employment services and agencies, minority group organizations such as the Urban League, the National Association for the Advancement of Colored People (NAACP), and other ethnic associations, Action for Boston Community Development, Neighborhood Employment Centers, youth groups, special neighborhood groups, Spanish, Chinese, and other minority language sources (Note - the Brookline Human Relations-Youth Resources Commission maintains an Affirmative Action List which it will make available to any contractor upon receipt of written request). These sources (and others) and applicants from them should constitute the Contractor's Affirmative Action List.

2. Job applications shall be retained and maintained in an Affirmative Action File so that the number of minority persons interviewed who have applied to the Contractor for employment, shall be a matter of record. As job opportunities occur, these applications will be considered in filling the job.

3. All notices for job openings shall contain the phrase "An Affirmative Action Employer."

4. Where feasible, effective human relations components must be included in orientation instructions for all employees, in on-the-job training, in first-line supervisor and foreman training and continuing training (especially including reprimand and the possibility of harassment; Note - United States court decisions hold the employer responsible for such forms of discrimination.) Affirmative action in human relations should be included in all industrial and labor relations matters, including union contract discussion and negotiation.

III. DOCUMENTATION

1. All successful contractors shall file an Affirmative Action Plan with the Human Relations-Youth Resources Commission within fifteen (15) days after the execution of the contract prior to the first payment after the fifteen day period has expired if they have not received objection from the Human Relations-Youth Resources Commission.

2. Successful contractors receiving contracts for more than \$50,000 shall be required to file in addition to their Affirmative Action Plan (No. 1 above) the following documentation:

a. Affirmative Action compliance reports that the contractor is required to file with the Area Office, U.S. Department of Housing & Urban Development.

b. A copy of the Contractor's notice to each labor union or representative of workers with which he deals, advising them of affirmative action agreement with the Town (Article 4.4, Section 1 c.)

c. A copy of the notice to each potential sub-contractor of supplies wherein is stated the Contractor's affirmative action program.

d. A copy of the Contractor's notice to all employees, especially managers, the personnel director and first-line supervisors communicating his intentions to abide by the Human Relations-Youth Resources Commission's Affirmative Action Statement.

e. Contractors filing EEO-1 Standard Form 100 with the United States Equal Employment Opportunity Commission, or Affirmative Action Compliance Reports under the Department of Labor, Office of Federal Contract Compliance Rules and Regulations Part 60-1. 40, under authority of Presidential Executive Order 11246 (amended 1968) shall include copies of the most recent returns. Copies of the most recent plans under the Governor's Executive Order 74, filed with the Massachusetts Commission Against Discrimination, should also be filed with the Human Relations-Youth Resources Commission.

3. Successful contractors receiving contracts between \$10,000 and \$50,000 may be required, if requested by the Human Relations-Youth Resources Commission, to submit some or all of the applicable documentation listed in paragraph number two above.

IV. PROCEDURE

The following procedure must be adhered to:

1. The successful contractor will be obliged to return the necessary documentation as previously outlined to the Human-Relations-Youth Resources Commission.
2. Technical assistance in the preparation and implementation of effective Affirmative Action Compliance Programs will be supplied by the Human Relations-Youth Resources Commission, or sources for such assistance recommended, upon request by the Contractor.
3. Giving of Reports: Required documents shall be in the Human Relations-Youth Resources Commission Office within fifteen (15) days after the execution of the contract and prior to the first payment, except when extended by the Human Relations-Youth Resources Commission.

V. REVIEW

The contractor will be subject to periodic review made by the Human Relations-Youth Resources Commission on the basis of these documents and other supplementary information, including field investigation and consultation with other government agencies.

NOT FOR BID

TOWN OF BROOKLINE, MASSACHUSETTS
NOTICE TO BIDDERS AND CONTRACTORS
TOWN POLICY ON ARAB LEAGUE STATES BOYCOTT
AGAINST THE STATE OF ISRAEL

The Board of Selectmen unanimously voted the following Resolution on July 12, 1976:

WHEREAS, the Town of Brookline has established an Affirmative Action Program in accordance with the provisions of Article 4.4 of the Town By-Laws; and

WHEREAS, the Arab League States are enforcing a boycott against the sovereign State of Israel, an ally of the United States; and

WHEREAS, it is the stated policy of the United States of America to oppose economic sanctions used against our allies; and

WHEREAS, the Arab League States are enforcing a secondary boycott against American companies which are trading with or in Israel; and

WHEREAS, the Arab League States are enforcing a tertiary boycott which requires American companies to discriminate against other American companies; and

WHEREAS, certain Arab States require American companies to discriminate in employment against Jews, blacks and women; and

WHEREAS, these practices are contrary and violate the American democratic tradition, morality, and law and the policies of the Town of Brookline, and represent an imposition of foreign discriminatory practices on Americans;

NOW THEREFORE, it is hereby resolved as a matter of public policy that the Town of Brookline declares that it will not trade with any company or corporation which practices discrimination against persons because of their friendly relations with our ally, the State of Israel, and it is further hereby

RESOLVED, that the Purchasing Agent for the Town of Brookline be and the same hereby is requested to inform all contractors with the Town of this non-discriminatory policy and directed to enforce the above policy with respect to all goods, services and commodities purchased by the Town.

Excerpt from the Bylaws of the Town of Brookline

**ARTICLE 4.4
FAIR EMPLOYMENT PRACTICES RELATIVE TO TOWN CONTRACTS**

SECTION 4.4.1 CONTRACT PROVISIONS AND REQUIREMENTS

Subject to the exceptions hereinafter stated, all contracts awarded by the Town and all agencies and departments thereof, shall include the following provisions :

During the performance of this Contract, the Contractor, for himself, his assignees and successors in interest (hereinafter referred to as the "Contractor"), agrees as follows:

- (a) The Contractor will comply with the provisions of Chapter 151B, as amended, of the General Laws of Massachusetts relative to non-discrimination which are incorporated herein by reference and made a part of this Contract.
- (b) In the performance of work under this Contract, the Contractor shall not discriminate in employment practices or in the selection or retention of subcontractors or in the procurement of materials or rental of equipment on the grounds of race, color, religion, gender identity or gender expression, or national origin, or on the grounds of age or sex except when age or sex is a bona fide occupational qualification.

The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice advising the said labor union or workers' representative of the Contractor's commitments under this section, and shall post copies of such notice in conspicuous places available to employees and applicants for employment.

- (c) In all solicitations either by competitive bidding or negotiation made by the Contractor for work to be performed under a subcontract and for the procurement of materials and equipment, each potential subcontractor or supplier shall be notified in writing by the Contractor of the Contractor's obligations under this Contract relative to non-discrimination on grounds of race, color, religion, gender identity or gender expression, national origin, age or sex, and his obligations to pursue an affirmative course of action as required by paragraph (d).
- (d) The Contractor will pursue an affirmative course of action as required by affirmative action guidelines adopted by the Human Relations Commission in effect on the effective date of the contract, or when calls for proposals are made, whichever is sooner, which are herein incorporated by reference, attached hereto, and made a part of this contract and to the nature and size of his work force, to insure that applicants are sought and employed, and that employees are treated, during their employment, without regard to their race, color, gender identity or gender expression, national origin or ancestry, or religion. No changes in affirmative action guidelines hereinafter adopted by the Commission shall be effective with respect to contracts already in effect, without the express written consent of the contractor.

- (e) In the event the Contractor fails to comply with the foregoing non-discrimination provisions of this Contract, the contracting agency of the Town, upon advice and counsel of the Human Relations Commission, shall impose such contract sanctions as it may determine to be appropriate, including but not limited to:
- (1) withholding of payment due the Contractor under this contract until the Contractor complies, and/or
 - (2) cancellation, termination or suspension of this Contract, in whole or in part.

For the purposes of this section the contracting agency of the Town shall accept as proof of noncompliance with the provisions of subsection (a), only final orders or decisions of the Massachusetts Commission Against Discrimination.

- (f) The provisions of this section shall be deemed supplementary to, and not in lieu of, or in substitution for, the provisions of Massachusetts Law relating to non-discrimination, and other applicable Federal, State or Town law, by-law, rule, regulation and directive relative thereto. In the event of a conflict between the provisions of this section and, where inserted or incorporated in this contract, an applicable state or federal law, rule, regulation or directive, the conflicting provisions of the latter shall control.

SECTION 4.4.2 EXEMPTIONS

The requirements of Section 4.4.1 shall not apply to the following contracts :

- a) Whenever work is to be or has been performed outside the state and no recruitment of workers within the state is involved
- b) Those involving standard commercial supplies or raw materials
- c) When the Contractor is a club exclusively social, or a fraternal association or corporation, if such club, association or corporation is not organized for private profit.
- d) When the Contractor employs fewer than six persons
- e) When the total value of the contract is less than \$10,000.00
- f) Contracts involving joint purchases with the State
- g) Contracts with the Commonwealth for construction of public works
- h) Contracts for financial assistance with a government or governmental agency
- i) Notes and bonds of the Town
- j) Employment by the Town of officers and employees of the Town
- k) Whenever it is deemed necessary or appropriate the Board of Selectmen, upon the advise and counsel of the Human Relations Commission, may exempt any contract not covered by the foregoing exemptions from the operation of this By-law in whole or in part.

SECTION 4.4.3 REQUESTS FOR PROPOSALS

All REQUESTS for proposals for contracts subject to the provisions of this Article shall include a statement notifying all bidders that the contract awarded pursuant to the proposal is subject to the provision of this Article of the By-laws, relating to non-discrimination in employment.

TOWN OF BROOKLINE

SUPPLEMENTAL EQUAL EMPLOYMENT OPPORTUNITY
ANTI-DISCRIMINATION AND AFFIRMATIVE
ACTION PROGRAM

- I For the purposes of this contract, "minority" refers to Asian-Americans, Blacks, Spanish Surnamed Americans, North American Indians, and Cape Verdeans. "Commission" refers to the Massachusetts Commission Against Discrimination. "Town" hereinafter refers to the Town of Brookline.
- II During the performance of this contract, the Contractor and all of (his) Sub-contractors (hereinafter collectively referred to as the Contractor), for himself, his assignees, and successors in interest, agree as follows:
1. In connection with the performance of work under this contract, the contractor shall not discriminate against any employee or applicant for employment because of race, color, religious creed, national origin, age, or sex. The aforesaid provision shall include, but not be limited to, the following: employment upgrading, demotion, or transfer; recruitment advertising; recruitment layoff; termination; rates of pay or other forms of compensation; conditions or privileges of employment; and selection of apprenticeship. The Contractor shall post hereafter in conspicuous places, available for employees and applicants for employment, notices to be provided by the Town setting forth the provisions of the Fair Employment Practices Law of the Commonwealth (M.G.L. Chapter 151B).
 2. In connection with the performance of work under this contract, the Contractor shall undertake in good faith affirmative action measures designed to eliminate any discriminatory barriers in the terms and conditions of employment on the grounds of race, color, religious creed, national origin, age, or sex, and to eliminate and remedy any effects of such discrimination in the past. Such affirmative action shall entail positive and aggressive measures to ensure equal opportunity in the areas of hiring, upgrading, demotion, or transfer, recruitment, layoff or termination, rate of compensation, and in-service or apprenticeship training programs. This affirmative action shall include all action required to guarantee equal opportunity in employment for all persons, regardless of race, color, religious creed, national origin, age or sex. A purpose of this provision is to ensure to the fullest extent possible an adequate supply of skilled tradesmen for this and future Town public construction projects.
- III 1. As part of his obligation of remedial action under the foregoing section, the Contractor shall maintain on this project a not less than 5% ratio of minority employee man hours to total man hours in each job category including but not limited to brick-layers, carpenters, cement masons, electricians, ironworkers, operating engineers, and those "classes of work" enumerated in Section 44C of Chapter 149 of the Massachusetts General Laws.

2. In the hiring of minority journeyman, apprentices, trainees, and advanced trainees, the Contractor shall rely on referrals from a multi-employer affirmative action program approved by the Town, traditional referral methods utilized by the construction industry, and referrals from agencies, not more than three in number at any one time, designated by the Liaison Committee of the Town.

IV 1. At the discretion of either the Commission or the Town there may be established for the life of this contract a body to be known as the Liaison Committee. The Liaison Committee shall be composed of one representative each from the agency or agencies administering this project, hereinafter called the administering agency, the Town and such other representatives as may be designated by the Town in conjunction with the administering agency.

2. The Contractor (or his agent, if any, designated by him as the on-site equal employment opportunity officer) shall recognize the Liaison Committee as an affirmative action body, and shall establish a continuing working relationship with the Liaison Committee, consulting with the Liaison Committee on all matters related to minority recruitment, referral, employment and training.

3. The Contractor shall prepare projected manning tables on a quarterly basis. These shall be broken down into projections, by week, or workers required in each trade. Copies shall be furnished one week in advance of the commencement of the period covered, and also when updated, to the Town and Liaison Committee.

4. Records of employment referral orders, prepared by the Contractor, shall be available to the Town and to the Liaison Committee on request.

5. The Contractor shall prepare weekly reports in a form approved by the Town of hours worked in each trade by each employee, identified as minority or non-minority. Copies of these shall be provided at the end of each week to the Town and to the Liaison Committee.

V If the Contractor shall use any subcontractor on any work performed under this contract, he shall take affirmative action to negotiate with qualified minority subcontractors. This affirmative action shall cover both pre-bid and post-bid periods. It shall include notification to the Office of Minority Business Assistance (within the Executive Office of Commerce and Development) or its designee, while bids are in preparation, of all products, work or services for which the Contractor intends to negotiate bids.

VI In the employment of journeymen, apprentices, trainees and advanced trainees, the Contractor shall give preference, first to citizens of the Commonwealth who have served in the armed forces of the United States in time of war and have been honorably discharged there-from or released from active duty therein, and who are qualified to perform the work to which the employment relates, and secondly, to citizens of the Commonwealth generally, and, if such cannot be obtained in sufficient numbers, then to citizens of the United States.

VII A designee of the Town and a designee of the Liaison Committee shall each have right of access to the construction site.

VIII Compliance with Requirements

The Contractor shall comply with the provisions of Executive Order No. 74, as amended by Executive Order No. 116 dated May 1, 1975, and of Chapter 151B as amended, of the Massachusetts General Laws, both of which are herein incorporated by reference and made a part of this contract.

IX Non-Discrimination

The Contractor, in the performance of all work after award, and prior to completion of the contract work, will not discriminate on grounds of race, color, religious creed, national origin, age or sex in employment practices, in the selection or retention of subcontractors, or in the procurement of materials and rentals of equipment.

X Solicitations for Sub-Contracts, and for the Procurement of Material and Equipment

In all solicitations either by competitive bidding or negotiation made by the Contractor either for work to be performed under a subcontract or for the procurement of materials or equipment, each potential subcontractor supplier shall be notified in writing by the Contractor of the Contractor's obligations under this contract relative to non-discrimination and affirmative action.

XI Bidders Certification Requirement

The following certification statement will be inserted in the bid document just above the bidder's signature, as a substitute for the present bidder certification form:

"The bidder hereby certifies he shall comply with the minority manpower ratio and specific action steps contained in the appendix EEO attached hereto, including compliance with the minority contractor compliance specified in Section V of said appendix. The contractor receiving the award of the contract shall be required to obtain from each of its subcontractors and submit to the contracting or administering agency prior to the performance of any work under said contract a certification by said subcontractor, regardless of tier, that it will comply with the minority manpower ratio and specific affirmative action steps contained in the appendix EEO."

XII Contractor's Certification

The Contractor's certification form must be signed by all successful low bidder(s) prior to execution by the contracting agency. (See attachment).

XIII Compliance - Information, Reports and Sanctions

1. The Contractor will provide all information and reports required by the administering agency or the Town on instructions issued by either of them and will permit access to its facilities and any books, records, accounts and other sources of information which may be determined by the Town to affect the employment of personnel. This provision shall apply only to information pertinent to the Town's supplementary affirmative action contract requirements. Where information required is in the exclusive possession of another who fails or refuses to furnish this information, the Contractor shall so certify to the administering agency or the Town as appropriate and shall set forth what efforts he has made to obtain the information.

2. Whenever the administering agency, the Town, or the Liaison Committee believes the General Contractor or any Subcontractor may not be operating in compliance with the terms of this Section, the Town directly, or through its designated agent, shall conduct an appropriate investigation, and may confer with the parties, to determine if such Contractor is operating in compliance with the terms of this Section. If the Town or its agent finds the General Contractor or any subcontractor not in compliance, it shall make a preliminary report on non-compliance, and notify such Contractor in writing of such steps as will in the judgment of the Town or its agent bring such Contractor into compliance. In the event that such Contractor fails or refuses to fully perform such steps, the Town shall make a final report of non-compliance, and recommend to the administering agency the imposition of one or more of the sanctions listed below. If, however, the Town believes the General Contractor or any Subcontractor has taken or is taking every possible measure to achieve compliance, it shall not make a final report of non-compliance. Within fourteen days of the receipt of the recommendations of the Town, the administering agency shall move to impose one or more of the following sanctions, as it may deem appropriate to attain full and effective enforcement:

a. The recovery by the administering agency from the General Contractor of 1/100 of 1% of the contract award price or \$1000 whichever sum is greater, in the nature of liquidated damages or, if a Subcontractor is in non-compliance, the recovery by the administering agency from the General Contractor, to be assessed by the General Contractor as a back charge against the Subcontractor, of 1/10 of 1% of the subcontract price, or \$400 whichever sum is greater, in the nature of liquidated damages, for each week that such party fails or refuses to comply.

b. The suspension of any payment or part thereof due under the contract until such time as the General Contractor or any Subcontractor is able to demonstrate his compliance with the terms of the contract.

c. The termination, or cancellation, of the contract, in whole or in part, unless the General Contractor or any Subcontractor is able to demonstrate within a specified time his compliance with the terms of the contract.

d. The denial to the General Contractor or any Subcontractor of the right to participate in any future contracts awarded by the administering agency for a period of up to three years.

3. If at any time after the imposition of one or more of the above sanctions a Contractor is able to demonstrate that he is in compliance with this Section, he may request the administering agency, in consultation with the Town, to suspend the sanctions conditionally, pending a final determination by the Town as to whether the Contractor is in compliance. Upon final determination of the Town, the administering agency, based on the recommendation of the Town, shall either lift the sanctions or reimpose them.

4. Sanctions enumerated under Sections XIII-2 shall not be imposed by the administering agency except after an adjudicatory proceeding, as that term is used M.G.L. c. 30A, has been conducted. No investigation by the Town or its agent shall be initiated without prior notice to the Contractor.

XIV Severability

The provisions of this section are severable, and if any of these provisions shall be held unconstitutional by any court of competent jurisdiction, the decision of such court shall not affect or impair any of the remaining provisions.

NOT FOR BID

CONTRACTOR'S CERTIFICATION

CONTRACT NO. PW/21-03, Bicycle and Pedestrian Improvements on Beacon St, Green St, and Washington St

Prior to the execution of this Contract, the contractor must submit the following certification, which is deemed a part of the resulting Contract.

CONTRACTOR'S CERTIFICATION

_____ certifies that:

1. it intends to use the following listed construction trades in the work under the contract:

_____ ; and

2. will comply with the minority manpower ratio and specific affirmative action steps contained herein; and

3. will obtain from each of its subcontractors and submit to the contracting or administering agency prior to the award of any subcontract under this contract the subcontractor certification required by these bid conditions.

(Signature of Authorized representative of Contractor)

Company Name _____

Address _____

City _____ State _____ Zip _____

Tel. No. (_____) _____

SUBCONTRACTOR'S CERTIFICATION

CONTRACT NO. PW/21-03, Bicycle and Pedestrian Improvements on Beacon St, Green St, and Washington St

Prior to the award of any subcontract, regardless of tier, the prospective subcontractor must execute and submit to the Prime Contractor the following certification, which will be deemed a part of the resulting subcontract:

SUBCONTRACTOR'S CERTIFICATION

_____ certifies that:

1. it intends to use the following listed construction trades in the work under the subcontract:

_____ ; and

2. will comply with the minority manpower ratio and specific affirmative action steps contained herein; and

3. will obtain from each of the subcontractors prior to the award of any subcontract under this subcontract the subcontractor certification required by these bid conditions.

(Signature of authorized representative of subcontractor)

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

Company Name _____

Address _____

City _____ State _____ Zip _____

Tel. No. (____) _____

CERTIFICATE OF NON-DISCRIMINATION

Pursuant to Section 4.5.2 of the General By-laws of the Town of Brookline, the undersigned certifies under the pains and penalties of perjury that it does not discriminate against any individual because of the race, color, religious creed, national origin, sex, gender identity or gender expression, sexual orientation, which shall not include persons whose sexual orientation involves minor children as the sex object, age or ancestry of the individual.

(Name of person signing bid)

(Company)

NOT FOR BID

CERTIFICATE OF NON-COLLUSION

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

(Name of person signing bid)

(Company)

NOT FOR BID



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

Prevailing Wage Rates

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

CHARLES D. BAKER
Governor

ROSALIN ACOSTA
Secretary

KARYN E. POLITO
Lt. Governor

MICHAEL FLANAGAN
Director

Awarding Authority: Town of Brookline
Contract Number: PW/21-03 **City/Town:** BROOKLINE
Description of Work: Bicycle & Pedestrian Improvements - Install Pavement Markings, rectangular rapid flashing beacons, curbing, and concrete sidewalks.
Job Location: Beacon, Washington & Green St, Brookline MA

Information about Prevailing Wage Schedules for Awarding Authorities and Contractors

- This wage schedule applies only to the specific project referenced at the top of this page and uniquely identified by the “Wage Request Number” on all pages of this schedule.
- An Awarding Authority must request an updated wage schedule from the Department of Labor Standards (“DLS”) if it has not opened bids or selected a contractor within 90 days of the date of issuance of the wage schedule. For CM AT RISK projects (bid pursuant to G.L. c.149A), the earlier of: (a) the execution date of the GMP Amendment, or (b) the bid for the first construction scope of work must be within 90-days of the wage schedule issuance date.
- The wage schedule shall be incorporated in any advertisement or call for bids for the project as required by M.G.L. c. 149, § 27. The wage schedule shall be made a part of the contract awarded for the project. The wage schedule must be posted in a conspicuous place at the work site for the life of the project in accordance with M.G.L. c. 149 § 27. The wages listed on the wage schedule must be paid to employees performing construction work on the project whether they are employed by the prime contractor, a filed sub-bidder, or any sub-contractor.
- All apprentices working on the project are required to be registered with the Massachusetts Department of Labor Standards, Division of Apprentice Standards (DLS/DAS). Apprentice must keep his/her apprentice identification card on his/her person during all work hours on the project. An apprentice registered with DAS may be paid the lower apprentice wage rate at the applicable step as provided on the prevailing wage schedule. **Any apprentice not registered with DLS/DAS regardless of whether or not they are registered with any other federal, state, local, or private agency must be paid the journeyworker's rate for the trade.**
- The wage rates will remain in effect for the duration of the project, except in the case of multi-year public construction projects. For construction projects lasting longer than one year, awarding authorities must request an updated wage schedule. Awarding authorities are required to request these updates no later than two weeks before the anniversary of the date the contract was executed by the awarding authority and the general contractor. For multi-year CM AT RISK projects, awarding authority must request an annual update no later than two weeks before the anniversary date, determined as the earlier of: (a) the execution date of the GMP Amendment, or (b) the execution date of the first amendment to permit procurement of construction services. Contractors are required to obtain the wage schedules from awarding authorities, and to pay no less than these rates to covered workers. The annual update requirement is not applicable to 27F “rental of equipment” contracts.
- Every contractor or subcontractor which performs construction work on the project is required to submit weekly payroll reports and a Statement of Compliance directly to the awarding authority by mail or email and keep them on file for three years. Each weekly payroll report must contain: the employee’s name, address, occupational classification, hours worked, and wages paid. Do not submit weekly payroll reports to DLS. A sample of a payroll reporting form may be obtained at <http://www.mass.gov/dols/pw>.
- Contractors with questions about the wage rates or classifications included on the wage schedule have an affirmative obligation to inquire with DLS at (617) 626-6953.
- Employees not receiving the prevailing wage rate set forth on the wage schedule may report the violation to the Fair Labor Division of the office of the Attorney General at (617) 727-3465.
- Failure of a contractor or subcontractor to pay the prevailing wage rates listed on the wage schedule to all employees who perform construction work on the project is a violation of the law and subjects the contractor or subcontractor to civil and 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> | 06/01/2020 | \$35.15 | \$12.41 | \$13.72 | \$0.00 | \$61.28 |
| | 08/01/2020 | \$35.15 | \$12.91 | \$13.72 | \$0.00 | \$61.78 |
| | 12/01/2020 | \$35.15 | \$12.91 | \$14.82 | \$0.00 | \$62.88 |
| | 06/01/2021 | \$35.95 | \$12.91 | \$14.82 | \$0.00 | \$63.68 |
| | 08/01/2021 | \$35.95 | \$13.41 | \$14.82 | \$0.00 | \$64.18 |
| | 12/01/2021 | \$35.95 | \$13.41 | \$16.01 | \$0.00 | \$65.37 |
| (3 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i> | 06/01/2020 | \$35.22 | \$12.41 | \$13.72 | \$0.00 | \$61.35 |
| | 08/01/2020 | \$35.22 | \$12.91 | \$13.72 | \$0.00 | \$61.85 |
| | 12/01/2020 | \$35.22 | \$12.91 | \$14.82 | \$0.00 | \$62.95 |
| | 06/01/2021 | \$36.02 | \$12.91 | \$14.82 | \$0.00 | \$63.75 |
| | 08/01/2021 | \$36.02 | \$13.41 | \$14.82 | \$0.00 | \$64.25 |
| | 12/01/2021 | \$36.02 | \$13.41 | \$16.01 | \$0.00 | \$65.44 |
| (4 & 5 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i> | 06/01/2020 | \$35.34 | \$12.41 | \$13.72 | \$0.00 | \$61.47 |
| | 08/01/2020 | \$35.34 | \$12.91 | \$13.72 | \$0.00 | \$61.97 |
| | 12/01/2020 | \$35.34 | \$12.91 | \$14.82 | \$0.00 | \$63.07 |
| | 06/01/2021 | \$36.14 | \$12.91 | \$14.82 | \$0.00 | \$63.87 |
| | 08/01/2021 | \$36.14 | \$13.41 | \$14.82 | \$0.00 | \$64.37 |
| | 12/01/2021 | \$36.14 | \$13.41 | \$16.01 | \$0.00 | \$65.56 |
| ADS/SUBMERSIBLE PILOT <i>PILE DRIVER LOCAL 56 (ZONE 1)</i> | 08/01/2019 | \$102.78 | \$9.90 | \$21.15 | \$0.00 | \$133.83 |
| For apprentice rates see "Apprentice- PILE DRIVER" | | | | | | |
| AIR TRACK OPERATOR <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$39.90 | \$8.60 | \$17.09 | \$0.00 | \$65.59 |
| | 12/01/2020 | \$40.88 | \$8.60 | \$17.09 | \$0.00 | \$66.57 |
| | 06/01/2021 | \$41.90 | \$8.60 | \$17.09 | \$0.00 | \$67.59 |
| | 12/01/2021 | \$42.91 | \$8.60 | \$17.09 | \$0.00 | \$68.60 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| ASBESTOS REMOVER - PIPE / MECH. EQUIPT. <i>HEAT & FROST INSULATORS LOCAL 6 (BOSTON)</i> | 06/01/2020 | \$38.00 | \$12.50 | \$8.85 | \$0.00 | \$59.35 |
| | 12/01/2020 | \$39.00 | \$12.50 | \$8.85 | \$0.00 | \$60.35 |
| ASPHALT RAKER <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$39.40 | \$8.60 | \$17.09 | \$0.00 | \$65.09 |
| | 12/01/2020 | \$40.38 | \$8.60 | \$17.09 | \$0.00 | \$66.07 |
| | 06/01/2021 | \$41.40 | \$8.60 | \$17.09 | \$0.00 | \$67.09 |
| | 12/01/2021 | \$42.41 | \$8.60 | \$17.09 | \$0.00 | \$68.10 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$49.33 | \$13.00 | \$15.70 | \$0.00 | \$78.03 |
| | 12/01/2020 | \$50.48 | \$13.00 | \$15.70 | \$0.00 | \$79.18 |
| | 06/01/2021 | \$51.58 | \$13.00 | \$15.70 | \$0.00 | \$80.28 |
| | 12/01/2021 | \$52.73 | \$13.00 | \$15.70 | \$0.00 | \$81.43 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| BACKHOE/FRONT-END LOADER <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$49.33 | \$13.00 | \$15.70 | \$0.00 | \$78.03 |
| | 12/01/2020 | \$50.48 | \$13.00 | \$15.70 | \$0.00 | \$79.18 |
| | 06/01/2021 | \$51.58 | \$13.00 | \$15.70 | \$0.00 | \$80.28 |
| | 12/01/2021 | \$52.73 | \$13.00 | \$15.70 | \$0.00 | \$81.43 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |

NOT FOR BID

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|--------|---------|---------------------------|------------|
| BARCO-TYPE JUMPING TAMPER <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$39.40 | \$8.60 | \$17.09 | \$0.00 | \$65.09 |
| | 12/01/2020 | \$40.38 | \$8.60 | \$17.09 | \$0.00 | \$66.07 |
| | 06/01/2021 | \$41.40 | \$8.60 | \$17.09 | \$0.00 | \$67.09 |
| | 12/01/2021 | \$42.41 | \$8.60 | \$17.09 | \$0.00 | \$68.10 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| BLOCK PAVER, RAMMER / CURB SETTER <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$39.90 | \$8.60 | \$17.09 | \$0.00 | \$65.59 |
| | 12/01/2020 | \$40.88 | \$8.60 | \$17.09 | \$0.00 | \$66.57 |
| | 06/01/2021 | \$41.90 | \$8.60 | \$17.09 | \$0.00 | \$67.59 |
| | 12/01/2021 | \$42.91 | \$8.60 | \$17.09 | \$0.00 | \$68.60 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| BOILER MAKER <i>BOILERMAKERS LOCAL 29</i> | 01/01/2020 | \$46.10 | \$7.07 | \$17.98 | \$0.00 | \$71.15 |

Apprentice - BOILERMAKER - Local 29

Effective Date - 01/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 65 | \$29.97 | \$7.07 | \$11.69 | \$0.00 | \$48.73 |
| 2 | 65 | \$29.97 | \$7.07 | \$11.69 | \$0.00 | \$48.73 |
| 3 | 70 | \$32.27 | \$7.07 | \$12.59 | \$0.00 | \$51.93 |
| 4 | 75 | \$34.58 | \$7.07 | \$13.49 | \$0.00 | \$55.14 |
| 5 | 80 | \$36.88 | \$7.07 | \$14.38 | \$0.00 | \$58.33 |
| 6 | 85 | \$39.19 | \$7.07 | \$15.29 | \$0.00 | \$61.55 |
| 7 | 90 | \$41.49 | \$7.07 | \$16.18 | \$0.00 | \$64.74 |
| 8 | 95 | \$43.80 | \$7.07 | \$17.09 | \$0.00 | \$67.96 |

Notes:

Apprentice to Journeyworker Ratio:1:4

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING) <i>BRICKLAYERS LOCAL 3 (BOSTON)</i> | 02/01/2020 | \$54.40 | \$10.75 | \$21.94 | \$0.00 | \$87.09 |
| | 08/01/2020 | \$55.75 | \$10.75 | \$22.09 | \$0.00 | \$88.59 |
| | 02/01/2021 | \$56.39 | \$10.75 | \$22.09 | \$0.00 | \$89.23 |
| | 08/01/2021 | \$57.79 | \$10.75 | \$22.25 | \$0.00 | \$90.79 |
| | 02/01/2022 | \$58.38 | \$10.75 | \$22.25 | \$0.00 | \$91.38 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

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

Effective Date - 02/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$27.20 | \$10.75 | \$21.94 | \$0.00 | \$59.89 |
| 2 | 60 | \$32.64 | \$10.75 | \$21.94 | \$0.00 | \$65.33 |
| 3 | 70 | \$38.08 | \$10.75 | \$21.94 | \$0.00 | \$70.77 |
| 4 | 80 | \$43.52 | \$10.75 | \$21.94 | \$0.00 | \$76.21 |
| 5 | 90 | \$48.96 | \$10.75 | \$21.94 | \$0.00 | \$81.65 |

Effective Date - 08/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$27.88 | \$10.75 | \$22.09 | \$0.00 | \$60.72 |
| 2 | 60 | \$33.45 | \$10.75 | \$22.09 | \$0.00 | \$66.29 |
| 3 | 70 | \$39.03 | \$10.75 | \$22.09 | \$0.00 | \$71.87 |
| 4 | 80 | \$44.60 | \$10.75 | \$22.09 | \$0.00 | \$77.44 |
| 5 | 90 | \$50.18 | \$10.75 | \$22.09 | \$0.00 | \$83.02 |

Notes:

Apprentice to Journeyworker Ratio:1:5

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| BULLDOZER/GRADER/SCRAPER <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$48.81 | \$13.00 | \$15.70 | \$0.00 | \$77.51 |
| | 12/01/2020 | \$49.95 | \$13.00 | \$15.70 | \$0.00 | \$78.65 |
| | 06/01/2021 | \$51.04 | \$13.00 | \$15.70 | \$0.00 | \$79.74 |
| | 12/01/2021 | \$52.18 | \$13.00 | \$15.70 | \$0.00 | \$80.88 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| CAISSON & UNDERPINNING BOTTOM MAN <i>LABORERS - FOUNDATION AND MARINE</i> | 06/01/2020 | \$40.30 | \$8.60 | \$17.24 | \$0.00 | \$66.14 |
| | 12/01/2020 | \$41.28 | \$8.60 | \$17.24 | \$0.00 | \$67.12 |
| | 06/01/2021 | \$42.30 | \$8.60 | \$17.24 | \$0.00 | \$68.14 |
| | 12/01/2021 | \$43.31 | \$8.60 | \$17.24 | \$0.00 | \$69.15 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| CAISSON & UNDERPINNING LABORER <i>LABORERS - FOUNDATION AND MARINE</i> | 06/01/2020 | \$39.15 | \$8.60 | \$17.24 | \$0.00 | \$64.99 |
| | 12/01/2020 | \$40.13 | \$8.60 | \$17.24 | \$0.00 | \$65.97 |
| | 06/01/2021 | \$41.15 | \$8.60 | \$17.24 | \$0.00 | \$66.99 |
| | 12/01/2021 | \$42.16 | \$8.60 | \$17.24 | \$0.00 | \$68.00 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| CAISSON & UNDERPINNING TOP MAN <i>LABORERS - FOUNDATION AND MARINE</i> | 06/01/2020 | \$39.15 | \$8.60 | \$17.24 | \$0.00 | \$64.99 |
| | 12/01/2020 | \$40.13 | \$8.60 | \$17.24 | \$0.00 | \$65.97 |
| | 06/01/2021 | \$41.15 | \$8.60 | \$17.24 | \$0.00 | \$66.99 |
| | 12/01/2021 | \$42.16 | \$8.60 | \$17.24 | \$0.00 | \$68.00 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| CARBIDE CORE DRILL OPERATOR <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$39.40 | \$8.60 | \$17.09 | \$0.00 | \$65.09 |
| | 12/01/2020 | \$40.38 | \$8.60 | \$17.09 | \$0.00 | \$66.07 |
| | 06/01/2021 | \$41.40 | \$8.60 | \$17.09 | \$0.00 | \$67.09 |
| | 12/01/2021 | \$42.41 | \$8.60 | \$17.09 | \$0.00 | \$68.10 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|-----------------------------------|----------------|-----------|--------|---------|---------------------------|------------|
| CARPENTER | 03/01/2020 | \$50.64 | \$9.40 | \$18.95 | \$0.00 | \$78.99 |
| CARPENTERS -ZONE 1 (Metro Boston) | 09/01/2020 | \$51.54 | \$9.40 | \$18.95 | \$0.00 | \$79.89 |
| | 03/01/2021 | \$52.39 | \$9.40 | \$18.95 | \$0.00 | \$80.74 |
| | 09/01/2021 | \$53.29 | \$9.40 | \$18.95 | \$0.00 | \$81.64 |
| | 03/01/2022 | \$54.14 | \$9.40 | \$18.95 | \$0.00 | \$82.49 |
| | 09/01/2022 | \$55.04 | \$9.40 | \$18.95 | \$0.00 | \$83.39 |
| | 03/01/2023 | \$55.89 | \$9.40 | \$18.95 | \$0.00 | \$84.24 |

Apprentice - CARPENTER - Zone 1 Metro Boston

Effective Date - 03/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$25.32 | \$9.40 | \$1.73 | \$0.00 | \$36.45 |
| 2 | 60 | \$30.38 | \$9.40 | \$1.73 | \$0.00 | \$41.51 |
| 3 | 70 | \$35.45 | \$9.40 | \$13.76 | \$0.00 | \$58.61 |
| 4 | 75 | \$37.98 | \$9.40 | \$13.76 | \$0.00 | \$61.14 |
| 5 | 80 | \$40.51 | \$9.40 | \$15.49 | \$0.00 | \$65.40 |
| 6 | 80 | \$40.51 | \$9.40 | \$15.49 | \$0.00 | \$65.40 |
| 7 | 90 | \$45.58 | \$9.40 | \$17.22 | \$0.00 | \$72.20 |
| 8 | 90 | \$45.58 | \$9.40 | \$17.22 | \$0.00 | \$72.20 |

Effective Date - 09/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$25.77 | \$9.40 | \$1.73 | \$0.00 | \$36.90 |
| 2 | 60 | \$30.92 | \$9.40 | \$1.73 | \$0.00 | \$42.05 |
| 3 | 70 | \$36.08 | \$9.40 | \$13.76 | \$0.00 | \$59.24 |
| 4 | 75 | \$38.66 | \$9.40 | \$13.76 | \$0.00 | \$61.82 |
| 5 | 80 | \$41.23 | \$9.40 | \$15.49 | \$0.00 | \$66.12 |
| 6 | 80 | \$41.23 | \$9.40 | \$15.49 | \$0.00 | \$66.12 |
| 7 | 90 | \$46.39 | \$9.40 | \$17.22 | \$0.00 | \$73.01 |
| 8 | 90 | \$46.39 | \$9.40 | \$17.22 | \$0.00 | \$73.01 |

Notes:
 % Indentured After 10/1/17; 45/45/55/55/70/70/80/80
 Step 1&2 \$33.92/ 3&4 \$40.65/ 5&6 \$60.34/ 7&8 \$67.13

Apprentice to Journeyworker Ratio:1:5

| | | | | | | |
|------------------------------------|------------|---------|--------|--------|--------|---------|
| CARPENTER WOOD FRAME | 10/01/2019 | \$32.97 | \$7.07 | \$7.86 | \$0.00 | \$47.90 |
| CARPENTERS -ZONE 1 (Wood Frame) | | | | | | |
| All Aspects of New Wood Frame Work | | | | | | |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - CARPENTER (Wood Frame) - Zone 1

Effective Date - 10/01/2019

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 60 | \$19.78 | \$7.07 | \$0.00 | \$0.00 | \$26.85 |
| 2 | 60 | \$19.78 | \$7.07 | \$0.00 | \$0.00 | \$26.85 |
| 3 | 65 | \$21.43 | \$7.07 | \$7.86 | \$0.00 | \$36.36 |
| 4 | 70 | \$23.08 | \$7.07 | \$7.86 | \$0.00 | \$38.01 |
| 5 | 75 | \$24.73 | \$7.07 | \$7.86 | \$0.00 | \$39.66 |
| 6 | 80 | \$26.38 | \$7.07 | \$7.86 | \$0.00 | \$41.31 |
| 7 | 85 | \$28.02 | \$7.07 | \$7.86 | \$0.00 | \$42.95 |
| 8 | 90 | \$29.67 | \$7.07 | \$7.86 | \$0.00 | \$44.60 |

Notes:

% Indentured After 10/1/17; 45/45/55/55/70/70/80/80
Step 1&2 \$21.91/ 3&4 \$29.95/ 5&6 \$38.01/ 7&8 \$41.31

Apprentice to Journeyworker Ratio:1:5

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| CEMENT MASONRY/PLASTERING BRICKLAYERS LOCAL 3 (BOSTON) | 01/01/2020 | \$49.07 | \$12.75 | \$22.41 | \$0.62 | \$84.85 |
|---|------------|---------|---------|---------|--------|---------|

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

Effective Date - 01/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$24.54 | \$12.75 | \$15.41 | \$0.00 | \$52.70 |
| 2 | 60 | \$29.44 | \$12.75 | \$17.41 | \$0.62 | \$60.22 |
| 3 | 65 | \$31.90 | \$12.75 | \$18.41 | \$0.62 | \$63.68 |
| 4 | 70 | \$34.35 | \$12.75 | \$19.41 | \$0.62 | \$67.13 |
| 5 | 75 | \$36.80 | \$12.75 | \$20.41 | \$0.62 | \$70.58 |
| 6 | 80 | \$39.26 | \$12.75 | \$21.41 | \$0.62 | \$74.04 |
| 7 | 90 | \$44.16 | \$12.75 | \$22.41 | \$0.62 | \$79.94 |

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 1 | 06/01/2020 | \$39.40 | \$8.60 | \$17.09 | \$0.00 | \$65.09 |
| | 12/01/2020 | \$40.38 | \$8.60 | \$17.09 | \$0.00 | \$66.07 |
| | 06/01/2021 | \$41.40 | \$8.60 | \$17.09 | \$0.00 | \$67.09 |
| | 12/01/2021 | \$42.41 | \$8.60 | \$17.09 | \$0.00 | \$68.10 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES OPERATING ENGINEERS LOCAL 4 | 06/01/2020 | \$50.33 | \$13.00 | \$15.70 | \$0.00 | \$79.03 |
| | 12/01/2020 | \$51.48 | \$13.00 | \$15.70 | \$0.00 | \$80.18 |
| | 06/01/2021 | \$52.58 | \$13.00 | \$15.70 | \$0.00 | \$81.28 |
| | 12/01/2021 | \$53.73 | \$13.00 | \$15.70 | \$0.00 | \$82.43 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|---------|---------|---------------------------|------------|
| COMPRESSOR OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$32.72 | \$13.00 | \$15.70 | \$0.00 | \$61.42 |
| | 12/01/2020 | \$33.50 | \$13.00 | \$15.70 | \$0.00 | \$62.20 |
| | 06/01/2021 | \$34.25 | \$13.00 | \$15.70 | \$0.00 | \$62.95 |
| | 12/01/2021 | \$35.04 | \$13.00 | \$15.70 | \$0.00 | \$63.74 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| DELEADER (BRIDGE) <i>PAINTERS LOCAL 35 - ZONE 1</i> | 01/01/2020 | \$50.96 | \$8.20 | \$22.10 | \$0.00 | \$81.26 |
| | 07/01/2020 | \$51.51 | \$8.25 | \$22.40 | \$0.00 | \$82.16 |
| | 01/01/2021 | \$52.06 | \$8.25 | \$22.75 | \$0.00 | \$83.06 |

Apprentice - PAINTER Local 35 - BRIDGES/TANKS

Effective Date - 01/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$25.48 | \$8.20 | \$0.00 | \$0.00 | \$33.68 |
| 2 | 55 | \$28.03 | \$8.20 | \$5.94 | \$0.00 | \$42.17 |
| 3 | 60 | \$30.58 | \$8.20 | \$6.48 | \$0.00 | \$45.26 |
| 4 | 65 | \$33.12 | \$8.20 | \$7.02 | \$0.00 | \$48.34 |
| 5 | 70 | \$35.67 | \$8.20 | \$8.86 | \$0.00 | \$62.73 |
| 6 | 75 | \$38.22 | \$8.20 | \$19.40 | \$0.00 | \$65.82 |
| 7 | 80 | \$40.77 | \$8.20 | \$19.94 | \$0.00 | \$68.91 |
| 8 | 90 | \$45.86 | \$8.20 | \$21.02 | \$0.00 | \$75.08 |

Effective Date - 07/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$25.76 | \$8.25 | \$0.00 | \$0.00 | \$34.01 |
| 2 | 55 | \$28.33 | \$8.25 | \$6.05 | \$0.00 | \$42.63 |
| 3 | 60 | \$30.91 | \$8.25 | \$6.60 | \$0.00 | \$45.76 |
| 4 | 65 | \$33.48 | \$8.25 | \$7.15 | \$0.00 | \$48.88 |
| 5 | 70 | \$36.06 | \$8.25 | \$19.10 | \$0.00 | \$63.41 |
| 6 | 75 | \$38.63 | \$8.25 | \$19.65 | \$0.00 | \$66.53 |
| 7 | 80 | \$41.21 | \$8.25 | \$20.20 | \$0.00 | \$69.66 |
| 8 | 90 | \$46.36 | \$8.25 | \$21.30 | \$0.00 | \$75.91 |

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| DEMO: ADZEMAN <i>LABORERS - ZONE 1</i> | 12/01/2019 | \$39.30 | \$8.10 | \$16.60 | \$0.00 | \$64.00 |
|---|------------|---------|--------|---------|--------|---------|

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| DEMO: BACKHOE/LOADER/HAMMER OPERATOR <i>LABORERS - ZONE 1</i> | 12/01/2019 | \$40.30 | \$8.10 | \$16.60 | \$0.00 | \$65.00 |
|--|------------|---------|--------|---------|--------|---------|

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| DEMO: BURNERS <i>LABORERS - ZONE 1</i> | 12/01/2019 | \$40.05 | \$8.10 | \$16.60 | \$0.00 | \$64.75 |
|---|------------|---------|--------|---------|--------|---------|

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| DEMO: CONCRETE CUTTER/SAWYER <i>LABORERS - ZONE 1</i> | 12/01/2019 | \$40.30 | \$8.10 | \$16.60 | \$0.00 | \$65.00 |
|--|------------|---------|--------|---------|--------|---------|

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|---------|---------|---------------------------|------------|
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| DEMO: JACKHAMMER OPERATOR LABORERS - ZONE 1 | 12/01/2019 | \$40.05 | \$8.10 | \$16.60 | \$0.00 | \$64.75 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| DEMO: WRECKING LABORER LABORERS - ZONE 1 | 12/01/2019 | \$39.30 | \$8.10 | \$16.60 | \$0.00 | \$64.00 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| DIRECTIONAL DRILL MACHINE OPERATOR OPERATING ENGINEERS LOCAL 4 | 06/01/2020 | \$48.81 | \$13.00 | \$15.70 | \$0.00 | \$77.51 |
| | 12/01/2020 | \$49.95 | \$13.00 | \$15.70 | \$0.00 | \$78.65 |
| | 06/01/2021 | \$51.04 | \$13.00 | \$15.70 | \$0.00 | \$79.74 |
| | 12/01/2021 | \$52.18 | \$13.00 | \$15.70 | \$0.00 | \$80.88 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| DIVER PILE DRIVER LOCAL 56 (ZONE 1) | 08/01/2019 | \$68.52 | \$9.90 | \$21.15 | \$0.00 | \$99.57 |
| For apprentice rates see "Apprentice- PILE DRIVER" | | | | | | |
| DIVER TENDER PILE DRIVER LOCAL 56 (ZONE 1) | 08/01/2019 | \$48.94 | \$9.90 | \$21.15 | \$0.00 | \$79.99 |
| For apprentice rates see "Apprentice- PILE DRIVER" | | | | | | |
| DIVER TENDER (EFFLUENT) PILE DRIVER LOCAL 56 (ZONE 1) | 08/01/2019 | \$73.41 | \$9.90 | \$21.15 | \$0.00 | \$104.46 |
| For apprentice rates see "Apprentice- PILE DRIVER" | | | | | | |
| DIVER/SLURRY (EFFLUENT) PILE DRIVER LOCAL 56 (ZONE 1) | 08/01/2019 | \$102.78 | \$9.90 | \$21.15 | \$0.00 | \$133.83 |
| For apprentice rates see "Apprentice- PILE DRIVER" | | | | | | |
| DRAWBRIDGE OPERATOR (Construction) ELECTRICIANS LOCAL 103 | 03/01/2020 | \$53.50 | \$13.00 | \$19.20 | \$0.00 | \$85.70 |
| | 09/01/2020 | \$54.93 | \$13.00 | \$19.25 | \$0.00 | \$87.18 |
| | 03/01/2021 | \$56.13 | \$13.00 | \$19.28 | \$0.00 | \$88.41 |
| | 09/01/2021 | \$57.56 | \$13.00 | \$19.33 | \$0.00 | \$89.89 |
| | 03/01/2022 | \$58.76 | \$13.00 | \$19.36 | \$0.00 | \$91.12 |
| | 09/01/2022 | \$60.19 | \$13.00 | \$19.41 | \$0.00 | \$92.60 |
| | 03/01/2023 | \$61.39 | \$13.00 | \$19.44 | \$0.00 | \$93.83 |
| For apprentice rates see "Apprentice- ELECTRICIAN" | | | | | | |
| ELECTRICIAN ELECTRICIANS LOCAL 103 | 03/01/2020 | \$53.50 | \$13.00 | \$19.20 | \$0.00 | \$85.70 |
| | 09/01/2020 | \$54.93 | \$13.00 | \$19.25 | \$0.00 | \$87.18 |
| | 03/01/2021 | \$56.13 | \$13.00 | \$19.28 | \$0.00 | \$88.41 |
| | 09/01/2021 | \$57.56 | \$13.00 | \$19.33 | \$0.00 | \$89.89 |
| | 03/01/2022 | \$58.76 | \$13.00 | \$19.36 | \$0.00 | \$91.12 |
| | 09/01/2022 | \$60.19 | \$13.00 | \$19.41 | \$0.00 | \$92.60 |
| | 03/01/2023 | \$61.39 | \$13.00 | \$19.44 | \$0.00 | \$93.83 |

NOT FOR BID

Apprentice - *ELECTRICIAN - Local 103*

Effective Date - 03/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 40 | \$21.40 | \$13.00 | \$0.64 | \$0.00 | \$35.04 |
| 2 | 40 | \$21.40 | \$13.00 | \$0.64 | \$0.00 | \$35.04 |
| 3 | 45 | \$24.08 | \$13.00 | \$14.62 | \$0.00 | \$51.70 |
| 4 | 45 | \$24.08 | \$13.00 | \$14.62 | \$0.00 | \$51.70 |
| 5 | 50 | \$26.75 | \$13.00 | \$15.04 | \$0.00 | \$54.79 |
| 6 | 55 | \$29.43 | \$13.00 | \$15.46 | \$0.00 | \$57.89 |
| 7 | 60 | \$32.10 | \$13.00 | \$15.87 | \$0.00 | \$60.97 |
| 8 | 65 | \$34.78 | \$13.00 | \$16.29 | \$0.00 | \$64.07 |
| 9 | 70 | \$37.45 | \$13.00 | \$16.70 | \$0.00 | \$67.15 |
| 10 | 75 | \$40.13 | \$13.00 | \$17.12 | \$0.00 | \$70.25 |

Effective Date - 09/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 40 | \$21.97 | \$13.00 | \$0.66 | \$0.00 | \$35.63 |
| 2 | 40 | \$21.97 | \$13.00 | \$0.66 | \$0.00 | \$35.63 |
| 3 | 45 | \$24.72 | \$13.00 | \$14.64 | \$0.00 | \$52.36 |
| 4 | 45 | \$24.72 | \$13.00 | \$14.64 | \$0.00 | \$52.36 |
| 5 | 50 | \$27.47 | \$13.00 | \$15.06 | \$0.00 | \$55.53 |
| 6 | 55 | \$30.21 | \$13.00 | \$15.49 | \$0.00 | \$58.70 |
| 7 | 60 | \$32.96 | \$13.00 | \$15.90 | \$0.00 | \$61.86 |
| 8 | 65 | \$35.70 | \$13.00 | \$16.32 | \$0.00 | \$65.02 |
| 9 | 70 | \$38.45 | \$13.00 | \$16.73 | \$0.00 | \$68.18 |
| 10 | 75 | \$41.20 | \$13.00 | \$17.16 | \$0.00 | \$71.36 |

Notes :

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

Apprentice to Journeyworker Ratio:2:3***

| | | | | | | |
|--------------------------------------|------------|---------|---------|---------|--------|----------|
| ELEVATOR CONSTRUCTOR | 01/01/2020 | \$61.42 | \$15.73 | \$18.41 | \$0.00 | \$95.56 |
| <i>ELEVATOR CONSTRUCTORS LOCAL 4</i> | 01/01/2021 | \$63.47 | \$15.88 | \$19.31 | \$0.00 | \$98.66 |
| | 01/01/2022 | \$65.62 | \$16.03 | \$20.21 | \$0.00 | \$101.86 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - ELEVATOR CONSTRUCTOR - Local 4

Effective Date - 01/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$30.71 | \$15.73 | \$0.00 | \$0.00 | \$46.44 |
| 2 | 55 | \$33.78 | \$15.73 | \$18.41 | \$0.00 | \$67.92 |
| 3 | 65 | \$39.92 | \$15.73 | \$18.41 | \$0.00 | \$74.06 |
| 4 | 70 | \$42.99 | \$15.73 | \$18.41 | \$0.00 | \$77.13 |
| 5 | 80 | \$49.14 | \$15.73 | \$18.41 | \$0.00 | \$83.28 |

Effective Date - 01/01/2021

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$31.74 | \$15.88 | \$0.00 | \$0.00 | \$47.62 |
| 2 | 55 | \$34.91 | \$15.88 | \$19.31 | \$0.00 | \$70.10 |
| 3 | 65 | \$41.26 | \$15.88 | \$19.31 | \$0.00 | \$76.45 |
| 4 | 70 | \$44.43 | \$15.88 | \$19.31 | \$0.00 | \$79.62 |
| 5 | 80 | \$50.78 | \$15.88 | \$19.31 | \$0.00 | \$85.97 |

Notes:

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

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| ELEVATOR CONSTRUCTOR HELPER <i>ELEVATOR CONSTRUCTORS LOCAL 4</i> | 01/01/2020 | \$42.99 | \$15.73 | \$18.41 | \$0.00 | \$77.13 |
| | 01/01/2021 | \$44.43 | \$15.88 | \$19.31 | \$0.00 | \$79.62 |
| | 01/01/2022 | \$45.93 | \$16.03 | \$20.21 | \$0.00 | \$82.17 |
| For apprentice rates see "Apprentice - ELEVATOR CONSTRUCTOR" | | | | | | |
| FENCE & GUARD RAIL ERECTOR <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$39.40 | \$8.60 | \$17.09 | \$0.00 | \$65.09 |
| | 12/01/2020 | \$40.38 | \$8.60 | \$17.09 | \$0.00 | \$66.07 |
| | 06/01/2021 | \$41.40 | \$8.60 | \$17.09 | \$0.00 | \$67.09 |
| | 12/01/2021 | \$42.41 | \$8.60 | \$17.09 | \$0.00 | \$68.10 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| FIELD ENG.INST.PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i> | 05/01/2020 | \$44.73 | \$12.50 | \$15.70 | \$0.00 | \$72.93 |
| | 11/01/2020 | \$45.73 | \$12.50 | \$15.70 | \$0.00 | \$73.93 |
| | 05/01/2021 | \$46.88 | \$12.50 | \$15.70 | \$0.00 | \$75.08 |
| | 11/01/2021 | \$47.88 | \$12.50 | \$15.70 | \$0.00 | \$76.08 |
| | 05/01/2022 | \$49.03 | \$12.50 | \$15.70 | \$0.00 | \$77.23 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| FIELD ENG.PARTY CHIEF-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i> | 05/01/2020 | \$46.23 | \$12.50 | \$15.70 | \$0.00 | \$74.43 |
| | 11/01/2020 | \$47.24 | \$12.50 | \$15.70 | \$0.00 | \$75.44 |
| | 05/01/2021 | \$48.40 | \$12.50 | \$15.70 | \$0.00 | \$76.60 |
| | 11/01/2021 | \$49.41 | \$12.50 | \$15.70 | \$0.00 | \$77.61 |
| | 05/01/2022 | \$50.57 | \$12.50 | \$15.70 | \$0.00 | \$78.77 |
| 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> | 05/01/2020 | \$22.64 | \$12.50 | \$15.70 | \$0.00 | \$50.84 |
| | 11/01/2020 | \$23.23 | \$12.50 | \$15.70 | \$0.00 | \$51.43 |
| | 05/01/2021 | \$23.91 | \$12.50 | \$15.70 | \$0.00 | \$52.11 |
| | 11/01/2021 | \$24.51 | \$12.50 | \$15.70 | \$0.00 | \$52.71 |
| | 05/01/2022 | \$25.18 | \$12.50 | \$15.70 | \$0.00 | \$53.38 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| FIRE ALARM INSTALLER <i>ELECTRICIANS LOCAL 103</i> | 03/01/2020 | \$53.50 | \$13.00 | \$19.20 | \$0.00 | \$85.70 |
| | 09/01/2020 | \$54.93 | \$13.00 | \$19.25 | \$0.00 | \$87.18 |
| | 03/01/2021 | \$56.13 | \$13.00 | \$19.28 | \$0.00 | \$88.41 |
| | 09/01/2021 | \$57.56 | \$13.00 | \$19.33 | \$0.00 | \$89.89 |
| | 03/01/2022 | \$58.76 | \$13.00 | \$19.36 | \$0.00 | \$91.12 |
| | 09/01/2022 | \$60.19 | \$13.00 | \$19.41 | \$0.00 | \$92.60 |
| | 03/01/2023 | \$61.39 | \$13.00 | \$19.44 | \$0.00 | \$93.83 |
| For apprentice rates see "Apprentice- ELECTRICIAN" | | | | | | |
| FIRE ALARM REPAIR / MAINTENANCE <i>LOCAL 103</i> <i>/ COMMISSIONING ELECTRICIANS</i> | 03/01/2020 | \$40.13 | \$13.00 | \$17.12 | \$0.00 | \$70.25 |
| | 09/01/2020 | \$41.20 | \$13.00 | \$17.16 | \$0.00 | \$71.36 |
| | 03/01/2021 | \$42.66 | \$13.00 | \$17.27 | \$0.00 | \$72.93 |
| | 09/01/2021 | \$44.32 | \$13.00 | \$17.38 | \$0.00 | \$74.70 |
| | 03/01/2022 | \$45.88 | \$13.00 | \$17.49 | \$0.00 | \$76.32 |
| | 09/01/2022 | \$47.55 | \$13.00 | \$17.62 | \$0.00 | \$78.17 |
| | 03/01/2023 | \$49.11 | \$13.00 | \$17.73 | \$0.00 | \$79.84 |
| For apprentice rates see "Apprentice- TELECOMMUNICATIONS TECHNICIAN" | | | | | | |
| FIREMAN (ASST. ENGINEER) <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$40.30 | \$13.00 | \$15.70 | \$0.00 | \$69.00 |
| | 12/01/2020 | \$41.25 | \$13.00 | \$15.70 | \$0.00 | \$69.95 |
| | 06/01/2021 | \$42.16 | \$13.00 | \$15.70 | \$0.00 | \$70.86 |
| | 12/01/2021 | \$43.11 | \$13.00 | \$15.70 | \$0.00 | \$71.81 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| FLAGGER & SIGNALER <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$23.50 | \$8.60 | \$17.09 | \$0.00 | \$49.19 |
| | 12/01/2020 | \$24.50 | \$8.60 | \$17.09 | \$0.00 | \$50.19 |
| | 06/01/2021 | \$24.50 | \$8.60 | \$17.09 | \$0.00 | \$50.19 |
| | 12/01/2021 | \$24.50 | \$8.60 | \$17.09 | \$0.00 | \$50.19 |
| For apprentice rates see "Apprentice- LABORERS" | | | | | | |
| FLOORCOVERER <i>FLOORCOVERERS LOCAL 2168 ZONE 1</i> | 03/01/2020 | \$47.05 | \$9.40 | \$19.25 | \$0.00 | \$75.70 |
| | 09/01/2020 | \$47.85 | \$9.40 | \$19.25 | \$0.00 | \$76.50 |
| | 03/01/2021 | \$48.65 | \$9.40 | \$19.25 | \$0.00 | \$77.30 |
| | 09/01/2021 | \$49.45 | \$9.40 | \$19.25 | \$0.00 | \$78.10 |
| | 03/01/2022 | \$50.25 | \$9.40 | \$19.25 | \$0.00 | \$78.90 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - FLOORCOVERER - Local 2168 Zone 1

Effective Date - 03/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$23.53 | \$9.40 | \$1.79 | \$0.00 | \$34.72 |
| 2 | 55 | \$25.88 | \$9.40 | \$1.79 | \$0.00 | \$37.07 |
| 3 | 60 | \$28.23 | \$9.40 | \$13.88 | \$0.00 | \$51.51 |
| 4 | 65 | \$30.58 | \$9.40 | \$13.88 | \$0.00 | \$53.86 |
| 5 | 70 | \$32.94 | \$9.40 | \$15.67 | \$0.00 | \$58.01 |
| 6 | 75 | \$35.29 | \$9.40 | \$15.67 | \$0.00 | \$60.36 |
| 7 | 80 | \$37.64 | \$9.40 | \$17.46 | \$0.00 | \$64.50 |
| 8 | 85 | \$39.99 | \$9.40 | \$17.46 | \$0.00 | \$66.85 |

Effective Date - 09/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$23.93 | \$9.40 | \$1.79 | \$0.00 | \$35.12 |
| 2 | 55 | \$26.32 | \$9.40 | \$1.79 | \$0.00 | \$37.51 |
| 3 | 60 | \$28.71 | \$9.40 | \$13.88 | \$0.00 | \$51.99 |
| 4 | 65 | \$31.10 | \$9.40 | \$13.88 | \$0.00 | \$54.38 |
| 5 | 70 | \$33.50 | \$9.40 | \$15.67 | \$0.00 | \$58.57 |
| 6 | 75 | \$35.89 | \$9.40 | \$15.67 | \$0.00 | \$60.96 |
| 7 | 80 | \$38.28 | \$9.40 | \$17.46 | \$0.00 | \$65.14 |
| 8 | 85 | \$40.67 | \$9.40 | \$17.46 | \$0.00 | \$67.53 |

Notes: Steps are 750 hrs.
 % After 09/1/17; 45/45/55/55/70/70/80/80 (1500hr Steps)
 Step 1&2 \$32.36/ 3&4 \$38.80/ 5&6 \$58.01/ 7&8 \$64.50

Apprentice to Journeyworker Rates

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| FORK LIFT/CHERRY PICKER <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$49.33 | \$13.00 | \$15.70 | \$0.00 | \$78.03 |
| | 12/01/2020 | \$50.48 | \$13.00 | \$15.70 | \$0.00 | \$79.18 |
| | 06/01/2021 | \$51.58 | \$13.00 | \$15.70 | \$0.00 | \$80.28 |
| | 12/01/2021 | \$52.73 | \$13.00 | \$15.70 | \$0.00 | \$81.43 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| GENERATOR/LIGHTING PLANT/HEATERS <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$32.72 | \$13.00 | \$15.70 | \$0.00 | \$61.42 |
| | 12/01/2020 | \$33.50 | \$13.00 | \$15.70 | \$0.00 | \$62.20 |
| | 06/01/2021 | \$34.25 | \$13.00 | \$15.70 | \$0.00 | \$62.95 |
| | 12/01/2021 | \$35.04 | \$13.00 | \$15.70 | \$0.00 | \$63.74 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS) <i>GLAZIERS LOCAL 35 (ZONE 1)</i> | 01/01/2020 | \$46.25 | \$8.20 | \$22.10 | \$0.00 | \$76.55 |
| | 07/01/2020 | \$46.80 | \$8.25 | \$22.40 | \$0.00 | \$77.45 |
| | 01/01/2021 | \$47.35 | \$8.25 | \$22.75 | \$0.00 | \$78.35 |

Apprentice - GLAZIER - Local 35 Zone 1

Effective Date - 01/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$23.13 | \$8.20 | \$0.00 | \$0.00 | \$31.33 |
| 2 | 55 | \$25.44 | \$8.20 | \$5.94 | \$0.00 | \$39.58 |
| 3 | 60 | \$27.75 | \$8.20 | \$6.48 | \$0.00 | \$42.43 |
| 4 | 65 | \$30.06 | \$8.20 | \$7.02 | \$0.00 | \$45.28 |
| 5 | 70 | \$32.38 | \$8.20 | \$18.86 | \$0.00 | \$59.44 |
| 6 | 75 | \$34.69 | \$8.20 | \$19.40 | \$0.00 | \$62.29 |
| 7 | 80 | \$37.00 | \$8.20 | \$19.94 | \$0.00 | \$65.14 |
| 8 | 90 | \$41.63 | \$8.20 | \$21.02 | \$0.00 | \$70.85 |

Effective Date - 07/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$23.40 | \$8.25 | \$0.00 | \$0.00 | \$31.65 |
| 2 | 55 | \$25.74 | \$8.25 | \$6.05 | \$0.00 | \$40.04 |
| 3 | 60 | \$28.08 | \$8.25 | \$6.60 | \$0.00 | \$42.93 |
| 4 | 65 | \$30.42 | \$8.25 | \$7.15 | \$0.00 | \$45.82 |
| 5 | 70 | \$32.76 | \$8.25 | \$19.10 | \$0.00 | \$60.11 |
| 6 | 75 | \$35.10 | \$8.25 | \$19.65 | \$0.00 | \$63.00 |
| 7 | 80 | \$37.44 | \$8.25 | \$20.20 | \$0.00 | \$65.89 |
| 8 | 90 | \$42.12 | \$8.25 | \$21.30 | \$0.00 | \$71.67 |

Notes:
Steps are 750 hrs.

Apprentice to Journeyworker Ratios

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| HOISTING ENGINEER/CRANES/GRADALLS OPERATING ENGINEERS LOCAL 4 | 06/01/2020 | \$49.33 | \$13.00 | \$15.70 | \$0.00 | \$78.03 |
| | 12/01/2020 | \$50.48 | \$13.00 | \$15.70 | \$0.00 | \$79.18 |
| | 06/01/2021 | \$51.58 | \$13.00 | \$15.70 | \$0.00 | \$80.28 |
| | 12/01/2021 | \$52.73 | \$13.00 | \$15.70 | \$0.00 | \$81.43 |

NOT FOR BID

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - OPERATING ENGINEERS - Local 4

Effective Date - 06/01/2020

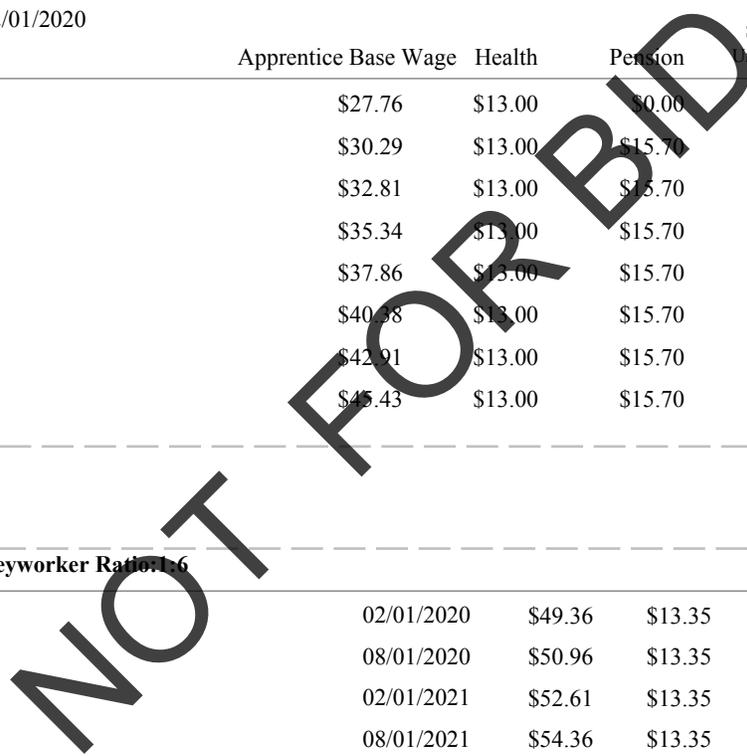
| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 55 | \$27.13 | \$13.00 | \$0.00 | \$0.00 | \$40.13 |
| 2 | 60 | \$29.60 | \$13.00 | \$15.70 | \$0.00 | \$58.30 |
| 3 | 65 | \$32.06 | \$13.00 | \$15.70 | \$0.00 | \$60.76 |
| 4 | 70 | \$34.53 | \$13.00 | \$15.70 | \$0.00 | \$63.23 |
| 5 | 75 | \$37.00 | \$13.00 | \$15.70 | \$0.00 | \$65.70 |
| 6 | 80 | \$39.46 | \$13.00 | \$15.70 | \$0.00 | \$68.16 |
| 7 | 85 | \$41.93 | \$13.00 | \$15.70 | \$0.00 | \$70.63 |
| 8 | 90 | \$44.40 | \$13.00 | \$15.70 | \$0.00 | \$73.10 |

Effective Date - 12/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 55 | \$27.76 | \$13.00 | \$0.00 | \$0.00 | \$40.76 |
| 2 | 60 | \$30.29 | \$13.00 | \$15.70 | \$0.00 | \$58.99 |
| 3 | 65 | \$32.81 | \$13.00 | \$15.70 | \$0.00 | \$61.51 |
| 4 | 70 | \$35.34 | \$13.00 | \$15.70 | \$0.00 | \$64.04 |
| 5 | 75 | \$37.86 | \$13.00 | \$15.70 | \$0.00 | \$66.56 |
| 6 | 80 | \$40.38 | \$13.00 | \$15.70 | \$0.00 | \$69.08 |
| 7 | 85 | \$42.91 | \$13.00 | \$15.70 | \$0.00 | \$71.61 |
| 8 | 90 | \$45.43 | \$13.00 | \$15.70 | \$0.00 | \$74.13 |

Notes:

Apprentice to Journeyworker Ratio: 1.6



| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| HVAC (DUCTWORK) SHEETMETAL WORKERS LOCAL 17 - A | 02/01/2020 | \$49.36 | \$13.35 | \$24.12 | \$2.61 | \$89.44 |
| | 08/01/2020 | \$50.96 | \$13.35 | \$24.12 | \$2.66 | \$91.09 |
| | 02/01/2021 | \$52.61 | \$13.35 | \$24.12 | \$2.71 | \$92.79 |
| | 08/01/2021 | \$54.36 | \$13.35 | \$24.12 | \$2.76 | \$94.59 |
| | 02/01/2022 | \$56.11 | \$13.35 | \$24.12 | \$2.81 | \$96.39 |

For apprentice rates see "Apprentice- SHEET METAL WORKER"

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| HVAC (ELECTRICAL CONTROLS) ELECTRICIANS LOCAL 103 | 03/01/2020 | \$53.50 | \$13.00 | \$19.20 | \$0.00 | \$85.70 |
| | 09/01/2020 | \$54.93 | \$13.00 | \$19.25 | \$0.00 | \$87.18 |
| | 03/01/2021 | \$56.13 | \$13.00 | \$19.28 | \$0.00 | \$88.41 |
| | 09/01/2021 | \$57.56 | \$13.00 | \$19.33 | \$0.00 | \$89.89 |
| | 03/01/2022 | \$58.76 | \$13.00 | \$19.36 | \$0.00 | \$91.12 |
| | 09/01/2022 | \$60.19 | \$13.00 | \$19.41 | \$0.00 | \$92.60 |
| | 03/01/2023 | \$61.39 | \$13.00 | \$19.44 | \$0.00 | \$93.83 |

For apprentice rates see "Apprentice- ELECTRICIAN"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|-----------|---------|---------|---------------------------|------------|
| HVAC (TESTING AND BALANCING - AIR) <i>SHEETMETAL WORKERS LOCAL 17 - A</i> | 02/01/2020 | \$49.36 | \$13.35 | \$24.12 | \$2.61 | \$89.44 |
| | 08/01/2020 | \$50.96 | \$13.35 | \$24.12 | \$2.66 | \$91.09 |
| | 02/01/2021 | \$52.61 | \$13.35 | \$24.12 | \$2.71 | \$92.79 |
| | 08/01/2021 | \$54.36 | \$13.35 | \$24.12 | \$2.76 | \$94.59 |
| | 02/01/2022 | \$56.11 | \$13.35 | \$24.12 | \$2.81 | \$96.39 |
| For apprentice rates see "Apprentice- SHEET METAL WORKER" | | | | | | |
| HVAC (TESTING AND BALANCING -WATER) <i>PIPEFITTERS LOCAL 537</i> | 03/01/2020 | \$56.19 | \$10.95 | \$19.74 | \$0.00 | \$86.88 |
| | 09/01/2020 | \$57.69 | \$10.95 | \$19.74 | \$0.00 | \$88.38 |
| | 03/01/2021 | \$59.19 | \$10.95 | \$19.74 | \$0.00 | \$89.88 |
| For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER" | | | | | | |
| HVAC MECHANIC <i>PIPEFITTERS LOCAL 537</i> | 03/01/2020 | \$56.19 | \$10.95 | \$19.74 | \$0.00 | \$86.88 |
| | 09/01/2020 | \$57.69 | \$10.95 | \$19.74 | \$0.00 | \$88.38 |
| | 03/01/2021 | \$59.19 | \$10.95 | \$19.74 | \$0.00 | \$89.88 |
| For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER" | | | | | | |
| HYDRAULIC DRILLS <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$39.90 | \$8.60 | \$17.09 | \$0.00 | \$65.59 |
| | 12/01/2020 | \$40.88 | \$8.60 | \$17.09 | \$0.00 | \$66.57 |
| | 06/01/2021 | \$41.90 | \$8.60 | \$17.09 | \$0.00 | \$67.59 |
| | 12/01/2021 | \$42.91 | \$8.60 | \$17.09 | \$0.00 | \$68.60 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| INSULATOR (PIPES & TANKS) <i>HEAT & FROST INSULATORS LOCAL 6 (BOSTON)</i> | 09/01/2019 | \$48.44 | \$12.80 | \$16.40 | \$0.00 | \$77.64 |

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

Effective Date - 09/01/2019

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$24.22 | \$12.80 | \$11.90 | \$0.00 | \$48.92 |
| 2 | 60 | \$29.06 | \$12.80 | \$12.80 | \$0.00 | \$54.66 |
| 3 | 70 | \$33.91 | \$12.80 | \$13.70 | \$0.00 | \$60.41 |
| 4 | 80 | \$38.75 | \$12.80 | \$14.60 | \$0.00 | \$66.15 |

Notes:

Steps are 1 year

Apprentice to Journeyworker Ratio:1:4

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| IRONWORKER/WELDER <i>IRONWORKERS LOCAL 7 (BOSTON AREA)</i> | 03/16/2019 | \$46.66 | \$8.00 | \$23.50 | \$0.00 | \$78.16 |
|---|------------|---------|--------|---------|--------|---------|

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - IRONWORKER - Local 7 Boston

Effective Date - 03/16/2019

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 60 | \$28.00 | \$8.00 | \$23.50 | \$0.00 | \$59.50 |
| 2 | 70 | \$32.66 | \$8.00 | \$23.50 | \$0.00 | \$64.16 |
| 3 | 75 | \$35.00 | \$8.00 | \$23.50 | \$0.00 | \$66.50 |
| 4 | 80 | \$37.33 | \$8.00 | \$23.50 | \$0.00 | \$68.83 |
| 5 | 85 | \$39.66 | \$8.00 | \$23.50 | \$0.00 | \$71.16 |
| 6 | 90 | \$41.99 | \$8.00 | \$23.50 | \$0.00 | \$73.49 |

Notes:

** Structural 1:6; Ornamental 1:4

Apprentice to Journeyworker Ratio:**

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| JACKHAMMER & PAVING BREAKER OPERATOR LABORERS - ZONE 1 | 06/01/2020 | \$39.40 | \$8.60 | \$17.09 | \$0.00 | \$65.09 |
| | 12/01/2020 | \$40.38 | \$8.60 | \$17.09 | \$0.00 | \$66.07 |
| | 06/01/2021 | \$41.40 | \$8.60 | \$17.09 | \$0.00 | \$67.09 |
| | 12/01/2021 | \$42.41 | \$8.60 | \$17.09 | \$0.00 | \$68.10 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|------------------------------|------------|---------|--------|---------|--------|---------|
| LABORER LABORERS - ZONE 1 | 06/01/2020 | \$39.15 | \$8.60 | \$17.09 | \$0.00 | \$64.84 |
| | 12/01/2020 | \$40.13 | \$8.60 | \$17.09 | \$0.00 | \$65.82 |
| | 06/01/2021 | \$41.15 | \$8.60 | \$17.09 | \$0.00 | \$66.84 |
| | 12/01/2021 | \$42.16 | \$8.60 | \$17.09 | \$0.00 | \$67.85 |

Apprentice - LABORER - Zone 1

Effective Date - 06/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 60 | \$23.49 | \$8.60 | \$17.09 | \$0.00 | \$49.18 |
| 2 | 70 | \$27.41 | \$8.60 | \$17.09 | \$0.00 | \$53.10 |
| 3 | 80 | \$31.32 | \$8.60 | \$17.09 | \$0.00 | \$57.01 |
| 4 | 90 | \$35.24 | \$8.60 | \$17.09 | \$0.00 | \$60.93 |

Effective Date - 12/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 60 | \$24.08 | \$8.60 | \$17.09 | \$0.00 | \$49.77 |
| 2 | 70 | \$28.09 | \$8.60 | \$17.09 | \$0.00 | \$53.78 |
| 3 | 80 | \$32.10 | \$8.60 | \$17.09 | \$0.00 | \$57.79 |
| 4 | 90 | \$36.12 | \$8.60 | \$17.09 | \$0.00 | \$61.81 |

Notes:

Apprentice to Journeyworker Ratio:1:5

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|-----------|---------|---------|---------------------------|------------|
| LABORER: CARPENTER TENDER <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$39.15 | \$8.60 | \$17.09 | \$0.00 | \$64.84 |
| | 12/01/2020 | \$40.13 | \$8.60 | \$17.09 | \$0.00 | \$65.82 |
| | 06/01/2021 | \$41.15 | \$8.60 | \$17.09 | \$0.00 | \$66.84 |
| | 12/01/2021 | \$42.16 | \$8.60 | \$17.09 | \$0.00 | \$67.85 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LABORER: CEMENT FINISHER TENDER <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$39.15 | \$8.60 | \$17.09 | \$0.00 | \$64.84 |
| | 12/01/2020 | \$40.13 | \$8.60 | \$17.09 | \$0.00 | \$65.82 |
| | 06/01/2021 | \$41.15 | \$8.60 | \$17.09 | \$0.00 | \$66.84 |
| | 12/01/2021 | \$42.16 | \$8.60 | \$17.09 | \$0.00 | \$67.85 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$39.30 | \$8.60 | \$17.09 | \$0.00 | \$64.99 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LABORER: MASON TENDER <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$39.40 | \$8.60 | \$17.09 | \$0.00 | \$65.09 |
| | 12/01/2020 | \$40.38 | \$8.60 | \$17.09 | \$0.00 | \$66.07 |
| | 06/01/2021 | \$41.40 | \$8.60 | \$17.09 | \$0.00 | \$67.09 |
| | 12/01/2021 | \$42.41 | \$8.60 | \$17.09 | \$0.00 | \$68.10 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LABORER: MULTI-TRADE TENDER <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$39.15 | \$8.60 | \$17.09 | \$0.00 | \$64.84 |
| | 12/01/2020 | \$40.13 | \$8.60 | \$17.09 | \$0.00 | \$65.82 |
| | 06/01/2021 | \$41.15 | \$8.60 | \$17.09 | \$0.00 | \$66.84 |
| | 12/01/2021 | \$42.16 | \$8.60 | \$17.09 | \$0.00 | \$67.85 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LABORER: TREE REMOVER <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$39.15 | \$8.60 | \$17.09 | \$0.00 | \$64.84 |
| | 12/01/2020 | \$40.13 | \$8.60 | \$17.09 | \$0.00 | \$65.82 |
| | 06/01/2021 | \$41.15 | \$8.60 | \$17.09 | \$0.00 | \$66.84 |
| | 12/01/2021 | \$42.16 | \$8.60 | \$17.09 | \$0.00 | \$67.85 |
| This classification applies to the removal of standing trees, and the trimming and removal of branches and limbs when related to public works construction or site clearance incidental to construction . For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LASER BEAM OPERATOR <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$39.40 | \$8.60 | \$17.09 | \$0.00 | \$65.09 |
| | 12/01/2020 | \$40.38 | \$8.60 | \$17.09 | \$0.00 | \$66.07 |
| | 06/01/2021 | \$41.40 | \$8.60 | \$17.09 | \$0.00 | \$67.09 |
| | 12/01/2021 | \$42.41 | \$8.60 | \$17.09 | \$0.00 | \$68.10 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| MARBLE & TILE FINISHERS <i>BRICKLAYERS LOCAL 3 - MARBLE & TILE</i> | 02/01/2020 | \$41.49 | \$10.75 | \$20.12 | \$0.00 | \$72.36 |
| | 08/01/2020 | \$42.57 | \$10.75 | \$20.27 | \$0.00 | \$73.59 |
| | 02/01/2021 | \$43.08 | \$10.75 | \$20.27 | \$0.00 | \$74.10 |
| | 08/01/2021 | \$44.20 | \$10.75 | \$20.43 | \$0.00 | \$75.38 |
| | 02/01/2022 | \$44.67 | \$10.75 | \$20.43 | \$0.00 | \$75.85 |

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

Effective Date - 02/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$20.75 | \$10.75 | \$20.12 | \$0.00 | \$51.62 |
| 2 | 60 | \$24.89 | \$10.75 | \$20.12 | \$0.00 | \$55.76 |
| 3 | 70 | \$29.04 | \$10.75 | \$20.12 | \$0.00 | \$59.91 |
| 4 | 80 | \$33.19 | \$10.75 | \$20.12 | \$0.00 | \$64.06 |
| 5 | 90 | \$37.34 | \$10.75 | \$20.12 | \$0.00 | \$68.21 |

Effective Date - 08/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$21.29 | \$10.75 | \$20.27 | \$0.00 | \$52.31 |
| 2 | 60 | \$25.54 | \$10.75 | \$20.27 | \$0.00 | \$56.56 |
| 3 | 70 | \$29.80 | \$10.75 | \$20.27 | \$0.00 | \$60.82 |
| 4 | 80 | \$34.06 | \$10.75 | \$20.27 | \$0.00 | \$65.08 |
| 5 | 90 | \$38.31 | \$10.75 | \$20.27 | \$0.00 | \$69.33 |

Notes:

Apprentice to Journeyworker Ratio:1:3

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| MARBLE MASONS, TILELAYERS & TERRAZZO MECH BRICKLAYERS LOCAL 3 - MARBLE & TILE | 02/01/2020 | \$54.42 | \$10.75 | \$21.93 | \$0.00 | \$87.10 |
| | 08/01/2020 | \$55.77 | \$10.75 | \$22.08 | \$0.00 | \$88.60 |
| | 02/01/2021 | \$56.41 | \$10.75 | \$22.08 | \$0.00 | \$89.24 |
| | 08/01/2021 | \$57.81 | \$10.75 | \$22.24 | \$0.00 | \$90.80 |
| | 02/01/2022 | \$58.38 | \$10.75 | \$22.24 | \$0.00 | \$91.37 |

NOT FOR BID

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

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

Effective Date - 02/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$27.21 | \$10.75 | \$21.93 | \$0.00 | \$59.89 |
| 2 | 60 | \$32.65 | \$10.75 | \$21.93 | \$0.00 | \$65.33 |
| 3 | 70 | \$38.09 | \$10.75 | \$21.93 | \$0.00 | \$70.77 |
| 4 | 80 | \$43.54 | \$10.75 | \$21.93 | \$0.00 | \$76.22 |
| 5 | 90 | \$48.98 | \$10.75 | \$21.93 | \$0.00 | \$81.66 |

Effective Date - 08/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$27.89 | \$10.75 | \$22.08 | \$0.00 | \$60.72 |
| 2 | 60 | \$33.46 | \$10.75 | \$22.08 | \$0.00 | \$66.29 |
| 3 | 70 | \$39.04 | \$10.75 | \$22.08 | \$0.00 | \$71.87 |
| 4 | 80 | \$44.62 | \$10.75 | \$22.08 | \$0.00 | \$77.45 |
| 5 | 90 | \$50.19 | \$10.75 | \$22.08 | \$0.00 | \$83.02 |

Notes:

Apprentice to Journeyworker Ratio:1:5

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| MECH. SWEEPER OPERATOR (ON CONST. SITES) <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$48.81 | \$13.00 | \$15.70 | \$0.00 | \$77.51 |
| | 12/01/2020 | \$49.95 | \$13.00 | \$15.70 | \$0.00 | \$78.65 |
| | 06/01/2021 | \$51.04 | \$13.00 | \$15.70 | \$0.00 | \$79.74 |
| | 12/01/2021 | \$52.18 | \$13.00 | \$15.70 | \$0.00 | \$80.88 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| MECHANICS MAINTENANCE <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$48.81 | \$13.00 | \$15.70 | \$0.00 | \$77.51 |
| | 12/01/2020 | \$49.95 | \$13.00 | \$15.70 | \$0.00 | \$78.65 |
| | 06/01/2021 | \$51.04 | \$13.00 | \$15.70 | \$0.00 | \$79.74 |
| | 12/01/2021 | \$52.18 | \$13.00 | \$15.70 | \$0.00 | \$80.88 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| MILLWRIGHT (Zone 2) <i>MILLWRIGHTS LOCAL 1121 - Zone 2</i> | 04/01/2019 | \$38.87 | \$9.90 | \$18.50 | \$0.00 | \$67.27 |

NOT FOR BID

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - MILLWRIGHT - Local 1121 Zone 2

Effective Date - 04/01/2019

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 55 | \$21.38 | \$9.90 | \$5.31 | \$0.00 | \$36.59 |
| 2 | 65 | \$25.27 | \$9.90 | \$15.13 | \$0.00 | \$50.30 |
| 3 | 75 | \$29.15 | \$9.90 | \$16.10 | \$0.00 | \$55.15 |
| 4 | 85 | \$33.04 | \$9.90 | \$17.06 | \$0.00 | \$60.00 |

Notes:

Steps are 2,000 hours

Apprentice to Journeyworker Ratio:1:5

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| MORTAR MIXER <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$39.40 | \$8.60 | \$17.09 | \$0.00 | \$65.09 |
| | 12/01/2020 | \$40.38 | \$8.60 | \$17.09 | \$0.00 | \$66.07 |
| | 06/01/2021 | \$41.40 | \$8.60 | \$17.09 | \$0.00 | \$67.09 |
| | 12/01/2021 | \$42.41 | \$8.60 | \$17.09 | \$0.00 | \$68.10 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| OILER (OTHER THAN TRUCK CRANES,GRADALLS) <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$23.15 | \$13.00 | \$15.70 | \$0.00 | \$51.83 |
| | 12/01/2020 | \$23.70 | \$13.00 | \$15.70 | \$0.00 | \$52.40 |
| | 06/01/2021 | \$24.25 | \$13.00 | \$15.70 | \$0.00 | \$52.95 |
| | 12/01/2021 | \$24.83 | \$13.00 | \$15.70 | \$0.00 | \$53.53 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| OILER (TRUCK CRANES, GRADALLS) <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$27.79 | \$13.00 | \$15.70 | \$0.00 | \$56.49 |
| | 12/01/2020 | \$28.47 | \$13.00 | \$15.70 | \$0.00 | \$57.17 |
| | 06/01/2021 | \$29.11 | \$13.00 | \$15.70 | \$0.00 | \$57.81 |
| | 12/01/2021 | \$29.79 | \$13.00 | \$15.70 | \$0.00 | \$58.49 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| OTHER POWER DRIVEN EQUIPMENT - CLASS II <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$48.81 | \$13.00 | \$15.70 | \$0.00 | \$77.51 |
| | 12/01/2020 | \$49.95 | \$13.00 | \$15.70 | \$0.00 | \$78.65 |
| | 06/01/2021 | \$51.04 | \$13.00 | \$15.70 | \$0.00 | \$79.74 |
| | 12/01/2021 | \$52.18 | \$13.00 | \$15.70 | \$0.00 | \$80.88 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| PAINTER (BRIDGES/TANKS) <i>PAINTERS LOCAL 35 - ZONE 1</i> | 01/01/2020 | \$50.96 | \$8.20 | \$22.10 | \$0.00 | \$81.26 |
| | 07/01/2020 | \$51.51 | \$8.25 | \$22.40 | \$0.00 | \$82.16 |
| | 01/01/2021 | \$52.06 | \$8.25 | \$22.75 | \$0.00 | \$83.06 |

NOT FOR BID

Apprentice - PAINTER Local 35 - BRIDGES/TANKS

Effective Date - 01/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$25.48 | \$8.20 | \$0.00 | \$0.00 | \$33.68 |
| 2 | 55 | \$28.03 | \$8.20 | \$5.94 | \$0.00 | \$42.17 |
| 3 | 60 | \$30.58 | \$8.20 | \$6.48 | \$0.00 | \$45.26 |
| 4 | 65 | \$33.12 | \$8.20 | \$7.02 | \$0.00 | \$48.34 |
| 5 | 70 | \$35.67 | \$8.20 | \$18.86 | \$0.00 | \$62.73 |
| 6 | 75 | \$38.22 | \$8.20 | \$19.40 | \$0.00 | \$65.82 |
| 7 | 80 | \$40.77 | \$8.20 | \$19.94 | \$0.00 | \$68.91 |
| 8 | 90 | \$45.86 | \$8.20 | \$21.02 | \$0.00 | \$75.08 |

Effective Date - 07/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$25.76 | \$8.25 | \$0.00 | \$0.00 | \$34.01 |
| 2 | 55 | \$28.33 | \$8.25 | \$6.05 | \$0.00 | \$42.63 |
| 3 | 60 | \$30.91 | \$8.25 | \$6.60 | \$0.00 | \$45.76 |
| 4 | 65 | \$33.48 | \$8.25 | \$7.15 | \$0.00 | \$48.88 |
| 5 | 70 | \$36.06 | \$8.25 | \$19.10 | \$0.00 | \$63.41 |
| 6 | 75 | \$38.63 | \$8.25 | \$19.65 | \$0.00 | \$66.53 |
| 7 | 80 | \$41.21 | \$8.25 | \$20.20 | \$0.00 | \$69.66 |
| 8 | 90 | \$43.76 | \$8.25 | \$21.30 | \$0.00 | \$73.31 |

Notes:
Steps are 750 hrs.

Apprentice to Journeyworker Rates

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| PAINTER (SPRAY OR SANDBLAST, NEW) * | 01/01/2020 | \$47.65 | \$8.20 | \$22.10 | \$0.00 | \$77.95 |
| * If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. PAINTERS LOCAL 35 - ZONE 1 | 07/01/2020 | \$48.28 | \$8.25 | \$22.40 | \$0.00 | \$78.93 |
| | 01/01/2021 | \$49.75 | \$8.25 | \$22.75 | \$0.00 | \$80.75 |

Apprentice - PAINTER Local 35 Zone 1 - Spray/Sandblast - New

Effective Date - 01/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$23.83 | \$8.20 | \$0.00 | \$0.00 | \$32.03 |
| 2 | 55 | \$26.21 | \$8.20 | \$5.94 | \$0.00 | \$40.35 |
| 3 | 60 | \$28.59 | \$8.20 | \$6.48 | \$0.00 | \$43.27 |
| 4 | 65 | \$30.97 | \$8.20 | \$7.02 | \$0.00 | \$46.19 |
| 5 | 70 | \$33.36 | \$8.20 | \$18.86 | \$0.00 | \$60.42 |
| 6 | 75 | \$35.74 | \$8.20 | \$19.40 | \$0.00 | \$63.34 |
| 7 | 80 | \$38.12 | \$8.20 | \$19.94 | \$0.00 | \$66.26 |
| 8 | 90 | \$42.89 | \$8.20 | \$21.02 | \$0.00 | \$72.11 |

Effective Date - 07/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$24.14 | \$8.25 | \$0.00 | \$0.00 | \$32.39 |
| 2 | 55 | \$26.55 | \$8.25 | \$6.05 | \$0.00 | \$40.85 |
| 3 | 60 | \$28.97 | \$8.25 | \$6.60 | \$0.00 | \$43.82 |
| 4 | 65 | \$31.38 | \$8.25 | \$7.15 | \$0.00 | \$46.78 |
| 5 | 70 | \$33.80 | \$8.25 | \$19.10 | \$0.00 | \$61.15 |
| 6 | 75 | \$36.21 | \$8.25 | \$19.65 | \$0.00 | \$64.11 |
| 7 | 80 | \$38.62 | \$8.25 | \$20.20 | \$0.00 | \$67.07 |
| 8 | 90 | \$43.45 | \$8.25 | \$21.30 | \$0.00 | \$73.00 |

Notes:
Steps are 750 hrs.

Apprentice to Journeyworker Ratios

| | | | | | | |
|---------------------------------------|------------|---------|--------|---------|--------|---------|
| PAINTER (SPRAY OR SANDBLAST, REPAINT) | 01/01/2020 | \$45.71 | \$8.20 | \$22.10 | \$0.00 | \$76.01 |
| PAINTERS LOCAL 35 - ZONE 1 | 07/01/2020 | \$46.26 | \$8.25 | \$22.40 | \$0.00 | \$76.91 |
| | 01/01/2021 | \$46.81 | \$8.25 | \$22.75 | \$0.00 | \$77.81 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER Local 35 Zone 1 - Spray/Sandblast - Repaint

Effective Date - 01/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$22.86 | \$8.20 | \$0.00 | \$0.00 | \$31.06 |
| 2 | 55 | \$25.14 | \$8.20 | \$5.94 | \$0.00 | \$39.28 |
| 3 | 60 | \$27.43 | \$8.20 | \$6.48 | \$0.00 | \$42.11 |
| 4 | 65 | \$29.71 | \$8.20 | \$7.02 | \$0.00 | \$44.93 |
| 5 | 70 | \$32.00 | \$8.20 | \$18.86 | \$0.00 | \$59.06 |
| 6 | 75 | \$34.28 | \$8.20 | \$19.40 | \$0.00 | \$61.88 |
| 7 | 80 | \$36.57 | \$8.20 | \$19.94 | \$0.00 | \$64.71 |
| 8 | 90 | \$41.14 | \$8.20 | \$21.02 | \$0.00 | \$70.36 |

Effective Date - 07/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$23.13 | \$8.25 | \$0.00 | \$0.00 | \$31.38 |
| 2 | 55 | \$25.44 | \$8.25 | \$6.05 | \$0.00 | \$39.74 |
| 3 | 60 | \$27.76 | \$8.25 | \$6.60 | \$0.00 | \$42.61 |
| 4 | 65 | \$30.07 | \$8.25 | \$7.15 | \$0.00 | \$45.47 |
| 5 | 70 | \$32.38 | \$8.25 | \$19.10 | \$0.00 | \$59.73 |
| 6 | 75 | \$34.70 | \$8.25 | \$19.65 | \$0.00 | \$62.60 |
| 7 | 80 | \$37.01 | \$8.25 | \$20.20 | \$0.00 | \$65.46 |
| 8 | 90 | \$41.63 | \$8.25 | \$21.30 | \$0.00 | \$71.18 |

Notes:
Steps are 750 hrs.

Apprentice to Journeyworker Rates

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| PAINTER (TRAFFIC MARKINGS) LABORERS - ZONE 1 | 06/01/2020 | \$39.15 | \$8.60 | \$17.09 | \$0.00 | \$64.84 |
| | 12/01/2020 | \$40.13 | \$8.60 | \$17.09 | \$0.00 | \$65.82 |
| | 06/01/2021 | \$41.15 | \$8.60 | \$17.09 | \$0.00 | \$66.84 |
| | 12/01/2021 | \$42.16 | \$8.60 | \$17.09 | \$0.00 | \$67.85 |
| For Apprentice rates see "Apprentice- LABORER" | | | | | | |
| PAINTER / TAPER (BRUSH, NEW) * | 01/01/2020 | \$46.25 | \$8.20 | \$22.10 | \$0.00 | \$76.55 |
| * If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. PAINTERS LOCAL 35 - ZONE 1 | 07/01/2020 | \$46.80 | \$8.25 | \$22.40 | \$0.00 | \$77.45 |
| | 01/01/2021 | \$47.35 | \$8.25 | \$22.75 | \$0.00 | \$78.35 |

Apprentice - PAINTER - Local 35 Zone 1 - BRUSH NEW

Effective Date - 01/01/2020

Table with 8 columns: Step, percent, Apprentice Base Wage, Health, Pension, Supplemental Unemployment, Total Rate. Rows 1-8 showing wage progression from \$23.13 to \$41.63.

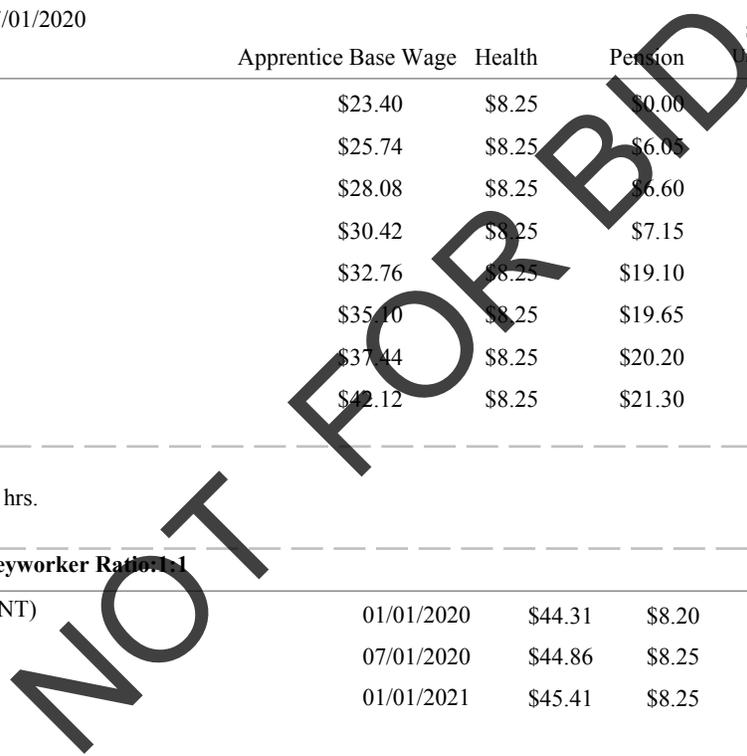
Effective Date - 07/01/2020

Table with 8 columns: Step, percent, Apprentice Base Wage, Health, Pension, Supplemental Unemployment, Total Rate. Rows 1-8 showing wage progression from \$23.40 to \$42.12.

Notes: Steps are 750 hrs.

Apprentice to Journeyworker Ratio

Summary table with 8 columns: Classification, Effective Date, Base Wage, Health, Pension, Supplemental Unemployment, Total Rate. Rows for PAINTER / TAPER (BRUSH, REPAINT) and PAINTERS LOCAL 35 - ZONE 1.



Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER Local 35 Zone 1 - BRUSH REPAINT

Effective Date - 01/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$22.16 | \$8.20 | \$0.00 | \$0.00 | \$30.36 |
| 2 | 55 | \$24.37 | \$8.20 | \$5.94 | \$0.00 | \$38.51 |
| 3 | 60 | \$26.59 | \$8.20 | \$6.48 | \$0.00 | \$41.27 |
| 4 | 65 | \$28.80 | \$8.20 | \$7.02 | \$0.00 | \$44.02 |
| 5 | 70 | \$31.02 | \$8.20 | \$18.86 | \$0.00 | \$58.08 |
| 6 | 75 | \$33.23 | \$8.20 | \$19.40 | \$0.00 | \$60.83 |
| 7 | 80 | \$35.45 | \$8.20 | \$19.94 | \$0.00 | \$63.59 |
| 8 | 90 | \$39.88 | \$8.20 | \$21.02 | \$0.00 | \$69.10 |

Effective Date - 07/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$22.43 | \$8.25 | \$0.00 | \$0.00 | \$30.68 |
| 2 | 55 | \$24.67 | \$8.25 | \$6.05 | \$0.00 | \$38.97 |
| 3 | 60 | \$26.92 | \$8.25 | \$6.60 | \$0.00 | \$41.77 |
| 4 | 65 | \$29.16 | \$8.25 | \$7.15 | \$0.00 | \$44.56 |
| 5 | 70 | \$31.40 | \$8.25 | \$19.10 | \$0.00 | \$58.75 |
| 6 | 75 | \$33.65 | \$8.25 | \$19.65 | \$0.00 | \$61.55 |
| 7 | 80 | \$35.89 | \$8.25 | \$20.20 | \$0.00 | \$64.34 |
| 8 | 90 | \$40.37 | \$8.25 | \$21.30 | \$0.00 | \$69.92 |

Notes:
Steps are 750 hrs.

Apprentice to Journeyworker Rates

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| PANEL & PICKUP TRUCKS DRIVER <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i> | 06/01/2020 | \$34.98 | \$12.41 | \$13.72 | \$0.00 | \$61.11 |
| | 08/01/2020 | \$34.98 | \$12.91 | \$13.72 | \$0.00 | \$61.61 |
| | 12/01/2020 | \$34.98 | \$12.91 | \$14.82 | \$0.00 | \$62.71 |
| | 06/01/2021 | \$35.78 | \$12.91 | \$14.82 | \$0.00 | \$63.51 |
| | 08/01/2021 | \$35.78 | \$13.41 | \$14.82 | \$0.00 | \$64.01 |
| | 12/01/2021 | \$35.78 | \$13.41 | \$16.01 | \$0.00 | \$65.20 |
| PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i> For apprentice rates see "Apprentice- PILE DRIVER" | 08/01/2019 | \$48.94 | \$9.90 | \$21.15 | \$0.00 | \$79.99 |
| PILE DRIVER <i>PILE DRIVER LOCAL 56 (ZONE 1)</i> | 08/01/2019 | \$48.94 | \$9.90 | \$21.15 | \$0.00 | \$79.99 |

Apprentice - PILE DRIVER - Local 56 Zone 1

Effective Date - 08/01/2019

Table with 7 columns: Step, percent, Apprentice Base Wage, Health, Pension, Supplemental Unemployment, Total Rate. Rows 1-8 showing wage progression from \$24.47 to \$44.05.

Notes:

Apprentice to Journeyworker Ratio:1:5

Table with 7 columns: Classification, Effective Date, Base Wage, Health, Pension, Supplemental Unemployment, Total Rate. Rows for PIPEFITTER & STEAMFITTER LOCAL 537 from 03/01/2020 to 03/01/2021.

Apprentice - PIPEFITTER - Local 537

Effective Date - 03/01/2020

Table with 7 columns: Step, percent, Apprentice Base Wage, Health, Pension, Supplemental Unemployment, Total Rate. Rows 1-5 showing wage progression from \$22.48 to \$44.95.

Effective Date - 09/01/2020

Table with 7 columns: Step, percent, Apprentice Base Wage, Health, Pension, Supplemental Unemployment, Total Rate. Rows 1-5 showing wage progression from \$23.08 to \$46.15.

Notes:

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

Apprentice to Journeyworker Ratio:**

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---------------------------------------|----------------|-----------|--------|---------|---------------------------|------------|
| PIPELAYER <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$39.40 | \$8.60 | \$17.09 | \$0.00 | \$65.09 |
| | 12/01/2020 | \$40.38 | \$8.60 | \$17.09 | \$0.00 | \$66.07 |
| | 06/01/2021 | \$41.40 | \$8.60 | \$17.09 | \$0.00 | \$67.09 |
| | 12/01/2021 | \$42.41 | \$8.60 | \$17.09 | \$0.00 | \$68.10 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| PLUMBERS & GASFITTERS <i>PLUMBERS & GASFITTERS LOCAL 12</i> | 03/01/2020 | \$58.69 | \$12.07 | \$17.26 | \$0.00 | \$88.02 |
| | 09/01/2020 | \$60.19 | \$12.07 | \$17.26 | \$0.00 | \$89.52 |
| | 03/01/2021 | \$61.69 | \$12.07 | \$17.26 | \$0.00 | \$91.02 |

Apprentice - PLUMBER/GASFITTER - Local 12

Effective Date - 03/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 35 | \$20.54 | \$12.07 | \$6.24 | \$0.00 | \$38.85 |
| 2 | 40 | \$23.48 | \$12.07 | \$7.08 | \$0.00 | \$42.63 |
| 3 | 55 | \$32.28 | \$12.07 | \$9.63 | \$0.00 | \$53.98 |
| 4 | 65 | \$38.15 | \$12.07 | \$11.33 | \$0.00 | \$61.55 |
| 5 | 75 | \$44.02 | \$12.07 | \$13.03 | \$0.00 | \$69.12 |

Effective Date - 09/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 35 | \$21.07 | \$12.07 | \$6.24 | \$0.00 | \$39.38 |
| 2 | 40 | \$24.08 | \$12.07 | \$7.08 | \$0.00 | \$43.23 |
| 3 | 55 | \$33.10 | \$12.07 | \$9.63 | \$0.00 | \$54.80 |
| 4 | 65 | \$39.12 | \$12.07 | \$11.33 | \$0.00 | \$62.52 |
| 5 | 75 | \$45.14 | \$12.07 | \$13.03 | \$0.00 | \$70.24 |

Notes:

** 1:2; 2:6; 3:10; 4:14; 5:19/Steps are 1 yr
Step4 with lic\$65.32, Step5 with lic\$72.89

Apprentice to Journeyworker Ratio:**

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| PNEUMATIC CONTROLS (TEMP.) <i>PIPEFITTERS LOCAL 537</i> | 03/01/2020 | \$56.19 | \$10.95 | \$19.74 | \$0.00 | \$86.88 |
| | 09/01/2020 | \$57.69 | \$10.95 | \$19.74 | \$0.00 | \$88.38 |
| | 03/01/2021 | \$59.17 | \$10.95 | \$19.74 | \$0.00 | \$89.86 |

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

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| PNEUMATIC DRILL/TOOL OPERATOR <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$39.40 | \$8.60 | \$17.09 | \$0.00 | \$65.09 |
| | 12/01/2020 | \$40.38 | \$8.60 | \$17.09 | \$0.00 | \$66.07 |
| | 06/01/2021 | \$41.40 | \$8.60 | \$17.09 | \$0.00 | \$67.09 |
| | 12/01/2021 | \$42.41 | \$8.60 | \$17.09 | \$0.00 | \$68.10 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| POWDERMAN & BLASTER <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$40.15 | \$8.60 | \$17.09 | \$0.00 | \$65.84 |
| | 12/01/2020 | \$41.13 | \$8.60 | \$17.09 | \$0.00 | \$66.82 |
| | 06/01/2021 | \$42.15 | \$8.60 | \$17.09 | \$0.00 | \$67.84 |
| | 12/01/2021 | \$43.16 | \$8.60 | \$17.09 | \$0.00 | \$68.85 |

For apprentice rates see "Apprentice- LABORER"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|---------|---------|---------------------------|------------|
| POWER SHOVEL/DERRICK/TRENCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$49.33 | \$13.00 | \$15.70 | \$0.00 | \$78.03 |
| | 12/01/2020 | \$50.48 | \$13.00 | \$15.70 | \$0.00 | \$79.18 |
| | 06/01/2021 | \$51.58 | \$13.00 | \$15.70 | \$0.00 | \$80.28 |
| | 12/01/2021 | \$52.73 | \$13.00 | \$15.70 | \$0.00 | \$81.43 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| PUMP OPERATOR (CONCRETE) <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$49.33 | \$13.00 | \$15.70 | \$0.00 | \$78.03 |
| | 12/01/2020 | \$50.48 | \$13.00 | \$15.70 | \$0.00 | \$79.18 |
| | 06/01/2021 | \$51.58 | \$13.00 | \$15.70 | \$0.00 | \$80.28 |
| | 12/01/2021 | \$52.73 | \$13.00 | \$15.70 | \$0.00 | \$81.43 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| PUMP OPERATOR (DEWATERING, OTHER) <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$32.72 | \$13.00 | \$15.70 | \$0.00 | \$61.42 |
| | 12/01/2020 | \$33.50 | \$13.00 | \$15.70 | \$0.00 | \$62.20 |
| | 06/01/2021 | \$34.25 | \$13.00 | \$15.70 | \$0.00 | \$62.95 |
| | 12/01/2021 | \$35.04 | \$13.00 | \$15.70 | \$0.00 | \$63.74 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| READY MIX CONCRETE DRIVERS after 4/30/12 (Drivers Hired After 4/30/2012) <i>TEAMSTERS 25 (Metro) - Aggregate</i> | 05/01/2020 | \$27.90 | \$10.41 | \$14.12 | \$0.00 | \$52.43 |
| | 08/01/2020 | \$27.90 | \$10.91 | \$14.12 | \$0.00 | \$52.93 |
| | 05/01/2021 | \$29.15 | \$10.91 | \$15.25 | \$0.00 | \$55.31 |
| | 08/01/2021 | \$29.15 | \$11.41 | \$15.25 | \$0.00 | \$55.81 |
| | 05/01/2022 | \$30.40 | \$11.41 | \$15.25 | \$0.00 | \$57.06 |
| | 08/01/2022 | \$30.40 | \$11.91 | \$15.25 | \$0.00 | \$57.56 |
| READY-MIX CONCRETE DRIVER <i>TEAMSTERS 25 (Metro) - Aggregate</i> | 05/01/2020 | \$32.91 | \$10.41 | \$14.12 | \$0.00 | \$57.44 |
| | 08/01/2020 | \$32.91 | \$10.91 | \$14.12 | \$0.00 | \$57.94 |
| | 05/01/2021 | \$33.66 | \$10.91 | \$15.25 | \$0.00 | \$59.82 |
| | 08/01/2021 | \$33.66 | \$11.41 | \$15.25 | \$0.00 | \$60.32 |
| | 05/01/2022 | \$34.41 | \$11.41 | \$15.25 | \$0.00 | \$61.07 |
| | 08/01/2022 | \$34.41 | \$11.91 | \$15.25 | \$0.00 | \$61.57 |
| RECLAIMERS <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$48.81 | \$13.00 | \$15.70 | \$0.00 | \$77.51 |
| | 12/01/2020 | \$49.95 | \$13.00 | \$15.70 | \$0.00 | \$78.65 |
| | 06/01/2021 | \$51.04 | \$13.00 | \$15.70 | \$0.00 | \$79.74 |
| | 12/01/2021 | \$52.18 | \$13.00 | \$15.70 | \$0.00 | \$80.88 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| RIDE-ON MOTORIZED BUGGY OPERATOR <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$39.40 | \$8.60 | \$17.09 | \$0.00 | \$65.09 |
| | 12/01/2020 | \$40.38 | \$8.60 | \$17.09 | \$0.00 | \$66.07 |
| | 06/01/2021 | \$41.40 | \$8.60 | \$17.09 | \$0.00 | \$67.09 |
| | 12/01/2021 | \$42.41 | \$8.60 | \$17.09 | \$0.00 | \$68.10 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| ROLLER/SPREADER/MULCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$48.81 | \$13.00 | \$15.70 | \$0.00 | \$77.51 |
| | 12/01/2020 | \$49.95 | \$13.00 | \$15.70 | \$0.00 | \$78.65 |
| | 06/01/2021 | \$51.04 | \$13.00 | \$15.70 | \$0.00 | \$79.74 |
| | 12/01/2021 | \$52.18 | \$13.00 | \$15.70 | \$0.00 | \$80.88 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| ROOFER (Inc.Roofers Waterproofing &Roofers Damproofg) <i>ROOFERS LOCAL 33</i> | 03/01/2020 | \$45.67 | \$11.50 | \$15.90 | \$0.00 | \$73.07 |
| | 08/01/2020 | \$47.10 | \$11.50 | \$15.90 | \$0.00 | \$74.50 |
| | 02/01/2021 | \$48.53 | \$11.50 | \$15.90 | \$0.00 | \$75.93 |
| | 08/01/2021 | \$49.96 | \$11.50 | \$15.90 | \$0.00 | \$77.36 |
| | 02/01/2022 | \$51.39 | \$11.50 | \$15.90 | \$0.00 | \$78.79 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - ROOFER - Local 33

Effective Date - 03/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$22.84 | \$11.50 | \$3.69 | \$0.00 | \$38.03 |
| 2 | 60 | \$27.40 | \$11.50 | \$15.90 | \$0.00 | \$54.80 |
| 3 | 65 | \$29.69 | \$11.50 | \$15.90 | \$0.00 | \$57.09 |
| 4 | 75 | \$34.25 | \$11.50 | \$15.90 | \$0.00 | \$61.65 |
| 5 | 85 | \$38.82 | \$11.50 | \$15.90 | \$0.00 | \$66.22 |

Effective Date - 08/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$23.55 | \$11.50 | \$3.69 | \$0.00 | \$38.74 |
| 2 | 60 | \$28.26 | \$11.50 | \$15.90 | \$0.00 | \$55.66 |
| 3 | 65 | \$30.62 | \$11.50 | \$15.90 | \$0.00 | \$58.02 |
| 4 | 75 | \$35.33 | \$11.50 | \$15.90 | \$0.00 | \$62.73 |
| 5 | 85 | \$40.04 | \$11.50 | \$15.90 | \$0.00 | \$67.44 |

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

Apprentice to Journeyworker Ratio:**

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| ROOFER SLATE / TILE / PRECAST CONCRETE ROOFERS LOCAL 33 | 03/01/2020 | \$45.92 | \$11.50 | \$15.90 | \$0.00 | \$73.32 |
| | 08/01/2020 | \$47.35 | \$11.50 | \$15.90 | \$0.00 | \$74.75 |
| | 02/01/2021 | \$48.78 | \$11.50 | \$15.90 | \$0.00 | \$76.18 |
| | 08/01/2021 | \$50.21 | \$11.50 | \$15.90 | \$0.00 | \$77.61 |
| | 02/01/2022 | \$51.64 | \$11.50 | \$15.90 | \$0.00 | \$79.04 |

For apprentice rates see "Apprentice- ROOFER"

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| SHEETMETAL WORKER SHEETMETAL WORKERS LOCAL 17 - A | 02/01/2020 | \$49.36 | \$13.35 | \$24.12 | \$2.61 | \$89.44 |
| | 08/01/2020 | \$50.96 | \$13.35 | \$24.12 | \$2.66 | \$91.09 |
| | 02/01/2021 | \$52.61 | \$13.35 | \$24.12 | \$2.71 | \$92.79 |
| | 08/01/2021 | \$54.36 | \$13.35 | \$24.12 | \$2.76 | \$94.59 |
| | 02/01/2022 | \$56.11 | \$13.35 | \$24.12 | \$2.81 | \$96.39 |

NOT FOR BID

Apprentice - SHEET METAL WORKER - Local 17-A

Effective Date - 02/01/2020

Table with 7 columns: Step, percent, Apprentice Base Wage, Health, Pension, Supplemental Unemployment, Total Rate. Rows 1-10 showing wage progression from \$20.73 to \$41.96.

Effective Date - 08/01/2020

Table with 7 columns: Step, percent, Apprentice Base Wage, Health, Pension, Supplemental Unemployment, Total Rate. Rows 1-10 showing wage progression from \$21.40 to \$43.32.

Notes: Steps are 6 mos

Apprentice to Journeyworker Ratio:1:4

Main wage table with 7 columns: Classification, Effective Date, Base Wage, Health, Pension, Supplemental Unemployment, Total Rate. Rows for SPECIALIZED EARTH MOVING EQUIP < 35 TONS and > 35 TONS.

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|--------|---------|---------------------------|------------|
| SPRINKLER FITTER <i>SPRINKLER FITTERS LOCAL 550 - (Section A) Zone 1</i> | 03/01/2020 | \$60.82 | \$9.68 | \$20.55 | \$0.00 | \$91.05 |
| | 10/01/2020 | \$62.32 | \$9.68 | \$20.55 | \$0.00 | \$92.55 |
| | 03/01/2021 | \$63.82 | \$9.68 | \$20.55 | \$0.00 | \$94.05 |

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

Effective Date - 03/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 35 | \$21.29 | \$9.68 | \$11.61 | \$0.00 | \$42.58 |
| 2 | 40 | \$24.33 | \$9.68 | \$12.30 | \$0.00 | \$46.31 |
| 3 | 45 | \$27.37 | \$9.68 | \$12.99 | \$0.00 | \$50.04 |
| 4 | 50 | \$30.41 | \$9.68 | \$13.73 | \$0.00 | \$53.82 |
| 5 | 55 | \$33.45 | \$9.68 | \$14.36 | \$0.00 | \$57.49 |
| 6 | 60 | \$36.49 | \$9.68 | \$15.05 | \$0.00 | \$61.22 |
| 7 | 65 | \$39.53 | \$9.68 | \$15.74 | \$0.00 | \$64.95 |
| 8 | 70 | \$42.57 | \$9.68 | \$16.43 | \$0.00 | \$68.68 |
| 9 | 75 | \$45.62 | \$9.68 | \$17.11 | \$0.00 | \$72.41 |
| 10 | 80 | \$48.66 | \$9.68 | \$17.80 | \$0.00 | \$76.14 |

Effective Date - 10/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 35 | \$21.81 | \$9.68 | \$11.61 | \$0.00 | \$43.10 |
| 2 | 40 | \$24.93 | \$9.68 | \$12.30 | \$0.00 | \$46.91 |
| 3 | 45 | \$28.04 | \$9.68 | \$12.99 | \$0.00 | \$50.71 |
| 4 | 50 | \$31.16 | \$9.68 | \$13.73 | \$0.00 | \$54.57 |
| 5 | 55 | \$34.28 | \$9.68 | \$14.36 | \$0.00 | \$58.32 |
| 6 | 60 | \$37.39 | \$9.68 | \$15.05 | \$0.00 | \$62.12 |
| 7 | 65 | \$40.51 | \$9.68 | \$15.74 | \$0.00 | \$65.93 |
| 8 | 70 | \$43.62 | \$9.68 | \$16.43 | \$0.00 | \$69.73 |
| 9 | 75 | \$46.74 | \$9.68 | \$17.11 | \$0.00 | \$73.53 |
| 10 | 80 | \$49.86 | \$9.68 | \$17.80 | \$0.00 | \$77.34 |

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

Apprentice to Journeyworker Ratio:1:3

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| STEAM BOILER OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$48.81 | \$13.00 | \$15.70 | \$0.00 | \$77.51 |
| | 12/01/2020 | \$49.95 | \$13.00 | \$15.70 | \$0.00 | \$78.65 |
| | 06/01/2021 | \$51.04 | \$13.00 | \$15.70 | \$0.00 | \$79.74 |
| | 12/01/2021 | \$52.18 | \$13.00 | \$15.70 | \$0.00 | \$80.88 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| TAMPERS, SELF-PROPELLED OR TRACTOR DRAWN <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$48.81 | \$13.00 | \$15.70 | \$0.00 | \$77.51 |
| | 12/01/2020 | \$49.95 | \$13.00 | \$15.70 | \$0.00 | \$78.65 |
| | 06/01/2021 | \$51.04 | \$13.00 | \$15.70 | \$0.00 | \$79.74 |
| | 12/01/2021 | \$52.18 | \$13.00 | \$15.70 | \$0.00 | \$80.88 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|---------|---------|---------------------------|------------|
| TELECOMMUNICATION TECHNICIAN <i>ELECTRICIANS LOCAL 103</i> | 03/01/2020 | \$40.13 | \$13.00 | \$17.12 | \$0.00 | \$70.25 |
| | 09/01/2020 | \$41.20 | \$13.00 | \$17.16 | \$0.00 | \$71.36 |
| | 03/01/2021 | \$42.66 | \$13.00 | \$17.27 | \$0.00 | \$72.93 |
| | 09/01/2021 | \$44.32 | \$13.00 | \$17.38 | \$0.00 | \$74.70 |
| | 03/01/2022 | \$45.83 | \$13.00 | \$17.49 | \$0.00 | \$76.32 |
| | 09/01/2022 | \$47.55 | \$13.00 | \$17.62 | \$0.00 | \$78.17 |
| | 03/01/2023 | \$49.11 | \$13.00 | \$17.73 | \$0.00 | \$79.84 |

Apprentice - TELECOMMUNICATION TECHNICIAN - Local 103

Effective Date - 03/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 45 | \$18.06 | \$13.00 | \$0.54 | \$0.00 | \$31.60 |
| 2 | 45 | \$18.06 | \$13.00 | \$0.54 | \$0.00 | \$31.60 |
| 3 | 50 | \$20.07 | \$13.00 | \$14.00 | \$0.00 | \$47.07 |
| 4 | 50 | \$20.07 | \$13.00 | \$14.00 | \$0.00 | \$47.07 |
| 5 | 55 | \$22.07 | \$13.00 | \$14.31 | \$0.00 | \$49.38 |
| 6 | 60 | \$24.08 | \$13.00 | \$14.62 | \$0.00 | \$51.70 |
| 7 | 65 | \$26.08 | \$13.00 | \$14.94 | \$0.00 | \$54.02 |
| 8 | 70 | \$28.09 | \$13.00 | \$15.25 | \$0.00 | \$56.34 |
| 9 | 75 | \$30.10 | \$13.00 | \$15.56 | \$0.00 | \$58.66 |
| 10 | 80 | \$32.10 | \$13.00 | \$15.87 | \$0.00 | \$60.97 |

Effective Date - 09/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 45 | \$18.54 | \$13.00 | \$0.57 | \$0.00 | \$32.11 |
| 2 | 45 | \$18.54 | \$13.00 | \$0.57 | \$0.00 | \$32.11 |
| 3 | 50 | \$20.60 | \$13.00 | \$14.02 | \$0.00 | \$47.62 |
| 4 | 50 | \$20.60 | \$13.00 | \$14.02 | \$0.00 | \$47.62 |
| 5 | 55 | \$22.66 | \$13.00 | \$14.33 | \$0.00 | \$49.99 |
| 6 | 60 | \$24.72 | \$13.00 | \$14.64 | \$0.00 | \$52.36 |
| 7 | 65 | \$26.78 | \$13.00 | \$14.96 | \$0.00 | \$54.74 |
| 8 | 70 | \$28.84 | \$13.00 | \$15.28 | \$0.00 | \$57.12 |
| 9 | 75 | \$30.90 | \$13.00 | \$15.59 | \$0.00 | \$59.49 |
| 10 | 80 | \$32.96 | \$13.00 | \$15.90 | \$0.00 | \$61.86 |

Notes:

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| TERRAZZO FINISHERS <i>BRICKLAYERS LOCAL 3 - MARBLE & TILE</i> | 02/01/2020 | \$53.34 | \$10.75 | \$21.94 | \$0.00 | \$86.03 |
| | 08/01/2020 | \$54.69 | \$10.75 | \$22.09 | \$0.00 | \$87.53 |
| | 02/01/2021 | \$55.33 | \$10.75 | \$22.09 | \$0.00 | \$88.17 |
| | 08/01/2021 | \$56.73 | \$10.75 | \$22.25 | \$0.00 | \$89.73 |
| | 02/01/2022 | \$57.32 | \$10.75 | \$22.25 | \$0.00 | \$90.32 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - TERRAZZO FINISHER - Local 3 Marble & Tile

Effective Date - 02/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$26.67 | \$10.75 | \$21.94 | \$0.00 | \$59.36 |
| 2 | 60 | \$32.00 | \$10.75 | \$21.94 | \$0.00 | \$64.69 |
| 3 | 70 | \$37.34 | \$10.75 | \$21.94 | \$0.00 | \$70.03 |
| 4 | 80 | \$42.67 | \$10.75 | \$21.94 | \$0.00 | \$75.36 |
| 5 | 90 | \$48.01 | \$10.75 | \$21.94 | \$0.00 | \$80.70 |

Effective Date - 08/01/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$27.35 | \$10.75 | \$22.09 | \$0.00 | \$60.19 |
| 2 | 60 | \$32.81 | \$10.75 | \$22.09 | \$0.00 | \$65.65 |
| 3 | 70 | \$38.28 | \$10.75 | \$22.09 | \$0.00 | \$71.12 |
| 4 | 80 | \$43.75 | \$10.75 | \$22.09 | \$0.00 | \$76.59 |
| 5 | 90 | \$49.22 | \$10.75 | \$22.09 | \$0.00 | \$82.06 |

Notes:

Apprentice to Journeyworker Ratio:1:3

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| TEST BORING DRILLER <i>LABORERS - FOUNDATION AND MARINE</i> | 06/01/2020 | \$40.55 | \$8.60 | \$17.24 | \$0.00 | \$66.39 |
| | 12/01/2020 | \$41.53 | \$8.60 | \$17.24 | \$0.00 | \$67.37 |
| | 06/01/2021 | \$42.55 | \$8.60 | \$17.24 | \$0.00 | \$68.39 |
| | 12/01/2021 | \$43.56 | \$8.60 | \$17.24 | \$0.00 | \$69.40 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| TEST BORING DRILLER HELPER <i>LABORERS - FOUNDATION AND MARINE</i> | 06/01/2020 | \$39.27 | \$8.60 | \$17.24 | \$0.00 | \$65.11 |
| | 12/01/2020 | \$40.25 | \$8.60 | \$17.24 | \$0.00 | \$66.09 |
| | 06/01/2021 | \$41.27 | \$8.60 | \$17.24 | \$0.00 | \$67.11 |
| | 12/01/2021 | \$42.28 | \$8.60 | \$17.24 | \$0.00 | \$68.12 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| TEST BORING LABORER <i>LABORERS - FOUNDATION AND MARINE</i> | 06/01/2020 | \$39.15 | \$8.60 | \$17.24 | \$0.00 | \$64.99 |
| | 12/01/2020 | \$40.13 | \$8.60 | \$17.24 | \$0.00 | \$65.97 |
| | 06/01/2021 | \$41.15 | \$8.60 | \$17.24 | \$0.00 | \$66.99 |
| | 12/01/2021 | \$42.16 | \$8.60 | \$17.24 | \$0.00 | \$68.00 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| TRACTORS/PORTABLE STEAM GENERATORS <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$48.81 | \$13.00 | \$15.70 | \$0.00 | \$77.51 |
| | 12/01/2020 | \$49.95 | \$13.00 | \$15.70 | \$0.00 | \$78.65 |
| | 06/01/2021 | \$51.04 | \$13.00 | \$15.70 | \$0.00 | \$79.74 |
| | 12/01/2021 | \$52.18 | \$13.00 | \$15.70 | \$0.00 | \$80.88 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|---------|---------|---------------------------|------------|
| TRAILERS FOR EARTH MOVING EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i> | 06/01/2020 | \$36.02 | \$12.41 | \$13.72 | \$0.00 | \$62.15 |
| | 08/01/2020 | \$36.02 | \$12.91 | \$13.72 | \$0.00 | \$62.65 |
| | 12/01/2020 | \$36.02 | \$12.91 | \$14.82 | \$0.00 | \$63.75 |
| | 06/01/2021 | \$36.82 | \$12.91 | \$14.82 | \$0.00 | \$64.55 |
| | 08/01/2021 | \$36.82 | \$13.41 | \$14.82 | \$0.00 | \$65.05 |
| | 12/01/2021 | \$36.82 | \$13.41 | \$16.01 | \$0.00 | \$66.24 |
| TUNNEL WORK - COMPRESSED AIR <i>LABORERS (COMPRESSED AIR)</i> | 06/01/2020 | \$51.38 | \$8.60 | \$17.69 | \$0.00 | \$77.67 |
| | 12/01/2020 | \$52.36 | \$8.60 | \$17.69 | \$0.00 | \$78.65 |
| | 06/01/2021 | \$53.38 | \$8.60 | \$17.69 | \$0.00 | \$79.67 |
| | 12/01/2021 | \$54.39 | \$8.60 | \$17.69 | \$0.00 | \$80.68 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| TUNNEL WORK - COMPRESSED AIR (HAZ. WASTE) <i>LABORERS (COMPRESSED AIR)</i> | 06/01/2020 | \$53.38 | \$8.60 | \$17.69 | \$0.00 | \$79.67 |
| | 12/01/2020 | \$54.36 | \$8.60 | \$17.69 | \$0.00 | \$80.65 |
| | 06/01/2021 | \$55.38 | \$8.60 | \$17.69 | \$0.00 | \$81.67 |
| | 12/01/2021 | \$56.39 | \$8.60 | \$17.69 | \$0.00 | \$82.68 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| TUNNEL WORK - FREE AIR <i>LABORERS (FREE AIR TUNNEL)</i> | 06/01/2020 | \$43.45 | \$8.60 | \$17.69 | \$0.00 | \$69.74 |
| | 12/01/2020 | \$44.43 | \$8.60 | \$17.69 | \$0.00 | \$70.72 |
| | 06/01/2021 | \$45.45 | \$8.60 | \$17.69 | \$0.00 | \$71.74 |
| | 12/01/2021 | \$46.46 | \$8.60 | \$17.69 | \$0.00 | \$72.75 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| TUNNEL WORK - FREE AIR (HAZ. WASTE) <i>LABORERS (FREE AIR TUNNEL)</i> | 06/01/2020 | \$45.45 | \$8.60 | \$17.69 | \$0.00 | \$71.74 |
| | 12/01/2020 | \$46.43 | \$8.60 | \$17.69 | \$0.00 | \$72.72 |
| | 06/01/2021 | \$47.45 | \$8.60 | \$17.69 | \$0.00 | \$73.74 |
| | 12/01/2021 | \$48.46 | \$8.60 | \$17.69 | \$0.00 | \$74.75 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| VAC-HAUL <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i> | 06/01/2020 | \$35.44 | \$12.41 | \$13.72 | \$0.00 | \$61.57 |
| | 08/01/2020 | \$35.44 | \$12.91 | \$13.72 | \$0.00 | \$62.07 |
| | 12/01/2020 | \$35.44 | \$12.91 | \$14.82 | \$0.00 | \$63.17 |
| | 06/01/2021 | \$36.24 | \$12.91 | \$14.82 | \$0.00 | \$63.97 |
| | 08/01/2021 | \$36.24 | \$13.41 | \$14.82 | \$0.00 | \$64.47 |
| | 12/01/2021 | \$36.24 | \$13.41 | \$16.01 | \$0.00 | \$65.66 |
| WAGON DRILL OPERATOR <i>LABORERS - ZONE 1</i> | 06/01/2020 | \$39.40 | \$8.60 | \$17.09 | \$0.00 | \$65.09 |
| | 12/01/2020 | \$40.38 | \$8.60 | \$17.09 | \$0.00 | \$66.07 |
| | 06/01/2021 | \$41.40 | \$8.60 | \$17.09 | \$0.00 | \$67.09 |
| | 12/01/2021 | \$42.41 | \$8.60 | \$17.09 | \$0.00 | \$68.10 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| WASTE WATER PUMP OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2020 | \$49.33 | \$13.00 | \$15.70 | \$0.00 | \$78.03 |
| | 12/01/2020 | \$50.48 | \$13.00 | \$15.70 | \$0.00 | \$79.18 |
| | 06/01/2021 | \$51.58 | \$13.00 | \$15.70 | \$0.00 | \$80.28 |
| | 12/01/2021 | \$52.73 | \$13.00 | \$15.70 | \$0.00 | \$81.43 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| WATER METER INSTALLER <i>PLUMBERS & GASFITTERS LOCAL 12</i> | 03/01/2020 | \$58.69 | \$12.07 | \$17.26 | \$0.00 | \$88.02 |
| | 09/01/2020 | \$60.19 | \$12.07 | \$17.26 | \$0.00 | \$89.52 |
| | 03/01/2021 | \$61.69 | \$12.07 | \$17.26 | \$0.00 | \$91.02 |
| For apprentice rates see "Apprentice- PLUMBER/PIPEFITTER" or "PLUMBER/GASFITTER" | | | | | | |

Outside Electrical - East

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|--------|---------|---------------------------|------------|
| CABLE TECHNICIAN (Power Zone) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i> | 09/01/2019 | \$28.83 | \$8.75 | \$1.86 | \$0.00 | \$39.44 |
| | 08/30/2020 | \$29.67 | \$9.25 | \$1.89 | \$0.00 | \$40.81 |
| For apprentice rates see "Apprentice- LINEMAN" | | | | | | |
| CABLEMAN (Underground Ducts & Cables) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i> | 09/01/2019 | \$40.84 | \$8.75 | \$10.02 | \$0.00 | \$59.61 |
| | 08/30/2020 | \$42.03 | \$9.25 | \$10.27 | \$0.00 | \$61.55 |
| For apprentice rates see "Apprentice- LINEMAN" | | | | | | |
| DRIVER / GROUNDMAN CDL <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i> | 09/01/2019 | \$33.64 | \$8.75 | \$9.86 | \$0.00 | \$52.25 |
| | 08/30/2020 | \$34.62 | \$9.25 | \$10.07 | \$0.00 | \$53.94 |
| For apprentice rates see "Apprentice- LINEMAN" | | | | | | |
| DRIVER / GROUNDMAN -Inexperienced (<2000 Hrs) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i> | 09/01/2019 | \$26.43 | \$8.75 | \$1.79 | \$0.00 | \$36.97 |
| | 08/30/2020 | \$27.20 | \$9.25 | \$1.82 | \$0.00 | \$38.27 |
| For apprentice rates see "Apprentice- LINEMAN" | | | | | | |
| EQUIPMENT OPERATOR (Class A CDL) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i> | 09/01/2019 | \$40.84 | \$8.75 | \$14.10 | \$0.00 | \$63.69 |
| | 08/30/2020 | \$42.03 | \$9.25 | \$14.35 | \$0.00 | \$65.63 |
| For apprentice rates see "Apprentice- LINEMAN" | | | | | | |
| EQUIPMENT OPERATOR (Class B CDL) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i> | 09/01/2019 | \$36.04 | \$8.75 | \$10.65 | \$0.00 | \$55.44 |
| | 08/30/2020 | \$37.09 | \$9.25 | \$10.87 | \$0.00 | \$57.21 |
| For apprentice rates see "Apprentice- LINEMAN" | | | | | | |
| GROUNDMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i> | 09/01/2019 | \$21.62 | \$8.75 | \$1.65 | \$0.00 | \$32.02 |
| | 08/30/2020 | \$22.25 | \$9.25 | \$1.67 | \$0.00 | \$33.17 |
| For apprentice rates see "Apprentice- LINEMAN" | | | | | | |
| GROUNDMAN -Inexperienced (<2000 Hrs.) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i> | 09/01/2019 | \$26.43 | \$8.75 | \$1.79 | \$0.00 | \$36.97 |
| | 08/30/2020 | \$27.20 | \$9.25 | \$1.82 | \$0.00 | \$38.27 |
| For apprentice rates see "Apprentice- LINEMAN" | | | | | | |
| JOURNEYMAN LINEMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i> | 09/01/2019 | \$48.05 | \$8.75 | \$17.19 | \$0.00 | \$73.99 |
| | 08/30/2020 | \$49.45 | \$9.25 | \$17.48 | \$0.00 | \$76.18 |

NOT FOR BID

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - LINEMAN (Outside Electrical) - East Local 104

Effective Date - 09/01/2019

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 60 | \$28.83 | \$8.75 | \$3.36 | \$0.00 | \$40.94 |
| 2 | 65 | \$31.23 | \$8.75 | \$3.44 | \$0.00 | \$43.42 |
| 3 | 70 | \$33.64 | \$8.75 | \$3.51 | \$0.00 | \$45.90 |
| 4 | 75 | \$36.04 | \$8.75 | \$5.08 | \$0.00 | \$49.87 |
| 5 | 80 | \$38.44 | \$8.75 | \$5.15 | \$0.00 | \$52.34 |
| 6 | 85 | \$40.84 | \$8.75 | \$5.23 | \$0.00 | \$54.82 |
| 7 | 90 | \$43.25 | \$8.75 | \$7.30 | \$0.00 | \$59.30 |

Effective Date - 08/30/2020

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 60 | \$29.67 | \$9.25 | \$5.39 | \$0.00 | \$42.31 |
| 2 | 65 | \$32.14 | \$9.25 | \$3.46 | \$0.00 | \$44.85 |
| 3 | 70 | \$34.62 | \$9.25 | \$3.54 | \$0.00 | \$47.41 |
| 4 | 75 | \$37.09 | \$9.25 | \$5.11 | \$0.00 | \$51.45 |
| 5 | 80 | \$39.56 | \$9.25 | \$5.19 | \$0.00 | \$54.00 |
| 6 | 85 | \$42.03 | \$9.25 | \$5.26 | \$0.00 | \$56.54 |
| 7 | 90 | \$44.51 | \$9.25 | \$7.34 | \$0.00 | \$61.10 |

Notes:

Apprentice to Journeyworker Ratio:1:2

| | | | | | | |
|---|------------|---------|--------|--------|--------|---------|
| TELEDATA CABLE SPLICER <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i> | 02/04/2019 | \$30.73 | \$4.70 | \$3.17 | \$0.00 | \$38.60 |
| TELEDATA LINEMAN/EQUIPMENT OPERATOR <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i> | 02/04/2019 | \$28.93 | \$4.70 | \$3.14 | \$0.00 | \$36.77 |
| TELEDATA WIREMAN/INSTALLER/TECHNICIAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i> | 02/04/2019 | \$28.93 | \$4.70 | \$3.14 | \$0.00 | \$36.77 |

Additional Apprentices Information:

Minimum wage rates for apprentices employed on public works projects are listed above as a percentage of the pre-determined hourly wage rate established by the Commissioner under the provisions of the M.G.L. c. 149, ss. 26-27D. Apprentices 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.

SCOPE OF WORK

CONTRACT NO. PW/21-03 **BICYCLE AND PEDESTRIAN IMPROVMEANTS ON** **BEACON ST, GREEN ST, AND WASHINGTON ST**

The work to be done under this contract includes but is not necessarily limited to the following:

Pavement Markings

- Layout proposed pavement markings as shown on the plans with chalk lines or a method of spotting.
- Remove pavement markings that are in conflict with the proposed pavement marking plan and as directed by the Engineer.
- Install all white and yellow reflective traffic lines, preformed high surface friction green pavement marking, preformed plastic legends and symbols, and delineator posts as shown on the plan and as directed by the Engineer.

Rectangular Rapid Flashing Beacons

- At each location rectangular rapid flash beacons will be solar as shown on the plans.
- Restore disturbed area associated with RRFB installation in kind.

Sidewalk and Curb

- Install new granite curbing and sidewalk as shown on plans and as directed by the Engineer.
- Replaced damaged sidewalk as shown on the plans and directed by the Engineer.
- Install ADA cast iron detectable warning panels as shown on plans and as directed by the Engineer.

Work Schedule

- Working hours for this project shall be between 7:00AM-3:00PM.
- The contractor must complete the work specified on or before 60 working days from receiving the notice to proceed.
- Night work will not be allowed without approval from the Town of Brookline board of selectmen if the activity is within the noise level and disruption limitations defined by the Town of Brookline Noise Control By Law, the contractor shall submit his night work plan of operation 30 Days in advance for approval by the Town Board of Selectmen.

Additional Conditions

- Due to the COVID-19 crisis State and Local health guidelines applying to roadway construction sites must be followed.
- General Bidders must demonstrate expertise in similar construction projects and have a record of successfully completing projects on time, and within budget.
- Bidders must have completed 3 municipal projects of similar nature in the last five years.
- References shall be provided with bids so that the bidder's experience record can be verified.

- Prior to the commencement of work at any/all locations specified under the Project, the Contractor shall submit to the Engineering and Transportation Division for approval temporary traffic control plans, including but not limited to temporary traffic accommodations for pedestrians, bicyclists, and motorists. Temporary accommodations for all users shall include but not be limited to all necessary signage, traffic control devices, and temporary asphalt wheelchair ramps as needed, the cost of which shall be considered incidental to the project. All temporary traffic plans and control devices must be in accordance with the latest Manual on Uniform Traffic Control Devices and the Americans with Disabilities Act.
- Wet line paint guards shall not extend for a distance greater than necessary without leaving a gap to facilitate the movement of cross traffic. Cones shall be kept on the line throughout the drying period. The Contractor shall assign personnel to properly control the position of the guards during the entire drying period. Such control is dependent on traffic density, lane widths etc., painted lines shall remain protected until sufficiently dry to bear traffic.
- Work under this Contract shall be paid for at the contract unit price bid under each item, which price and payment shall constitute full compensation for furnishing all materials, labor, equipment, etc., required for the satisfactory completion and acceptance of the work in accordance with the Plans, the 1988 Standard Specifications for Highways and Bridges including all Supplemental Specifications, the 1977 Construction and Traffic Standard Details and the April 2003 Metric/English Supplemental Drawings, The 1996 M/E Construction and Traffic Standard Details and any amendments thereto, the 2009 Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD), and the American Standard for Nursery Stock (ANSI Z-60.1-1986), as amended.
- Work shall conform to the Town of Brookline Supplemental Specifications. In case of discrepancy between the Massachusetts Standards Specifications for Highways and Bridges and the Town of Brookline Supplemental Specifications, the latter will govern. Where the Standard Specifications refer to the Massachusetts Department of Transportation (MassDOT), this shall be replaced with the "Town of Brookline".
- The Commissioner of Public Works reserves the rights to either decrease the quantity of or eliminate items of work. The Town will award the Contract to the responsible qualified bidder, as determined by the Commissioner of Public Works, with the lowest total bid. The contract quantities are estimated and are approximate only, being given as a basis for comparison of bids, and the Town does not expressly or by implication agree that the actual amount of work will correspond therewith, but reserves the right to increase or decrease the amount of any class or portion of the work, as may be deemed necessary or expedient by the Engineer.
- The Department of Public Works reserves the right to reject any or all bids if the Contractor fails to satisfy the Commissioner of Public Works as to the availability of proper equipment of standard commercial manufacture, trained personnel or other facilities necessary to the proper fulfillment of the contract.
- Work may be temporarily suspended at the discretion of the Engineer during peak traffic hours or at any other time when, in the opinion of the Commissioner, traffic is being unduly hampered or delayed by the work under this contract.

TOWN OF BROOKLINE, MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS ENGINEERING/TRANSPORTATION DIVISION

TOWN OF BROOKLINE
BICYCLE IMPROVEMENT PLAN
SHEET 1 OF 6
TITLE SHEET AND INDEX
SW-3

PLAN OF BICYCLE AND PEDESTRIAN IMPROVEMENTS ON BEACON ST, GREEN ST, AND WASHINGTON ST PW-21-03

THE 1988 STANDARD SPECIFICATIONS EDITION, THE SUPPLEMENTAL SPECIFICATIONS DATED JUNE 15, 2012, THE INTERIM SUPPLEMENTAL SPECIFICATIONS DATED MARCH 21, 2014, THE 1996 CONSTRUCTION AND TRAFFIC STANDARD DETAILS AND THE SUPPLEMENTAL DRAWINGS DATED JUNE 2014, THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD).

INDEX OF DRAWINGS

| SHEET NO. | DESCRIPTION |
|-----------|--|
| 1 | TITLE & INDEX |
| 2 | LEGEND, ABBREVIATIONS AND GENERAL NOTES |
| 3 | GREEN ST PAVEMENT MARKING PLAN |
| 4 | BEACON ST & LONGWOOD AVE PAVEMENT MARKING PLAN |
| 5 | BEACON ST CONSTRUCTION PLAN |
| 6 | WASHINGTON ST CONSTRUCTION PLAN |



LOCATION PLAN

APPROXIMATE LENGTH OF PROJECT = 1,820 feet = 0.34 miles

Andrew M. Pappas
COMMISSIONER OF PUBLIC WORKS

Peter M. Ditto 6/30/20
DIRECTOR OF ENGINEERING AND
TRANSPORTATION



Designed By: DDM

Drawn By: DDM

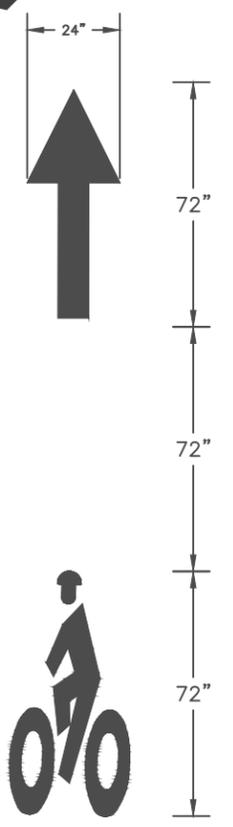
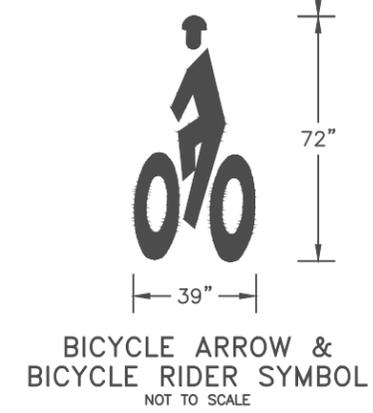
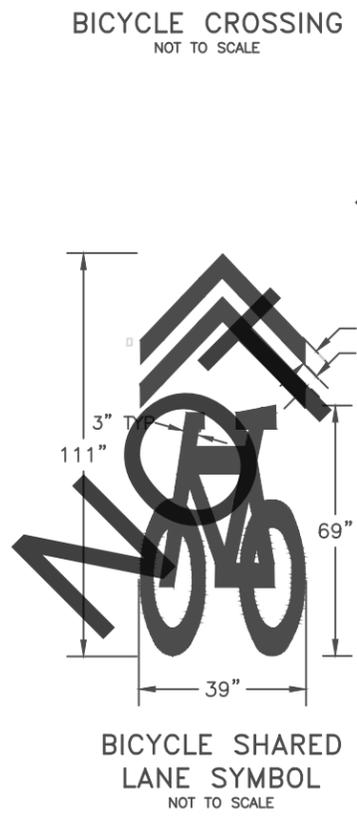
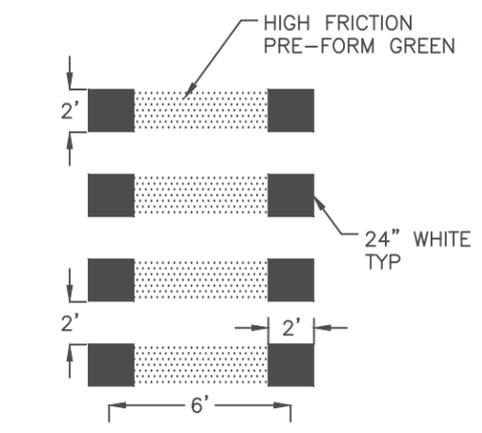
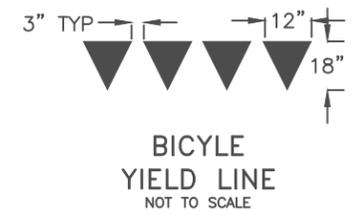
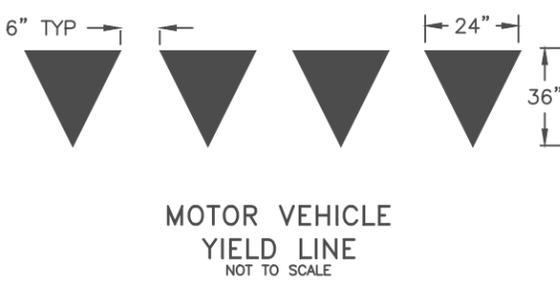
Checked By: PMD

Date: JUNE 26, 2020

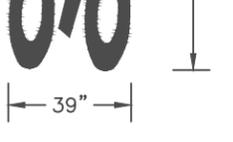
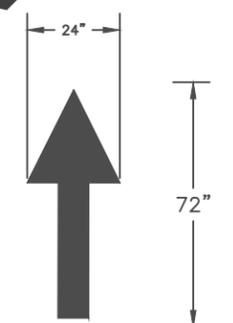
LEGEND PLAN

PAVEMENT MARKINGS AND SYMBOLS

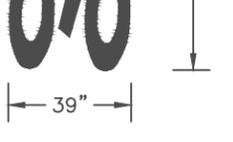
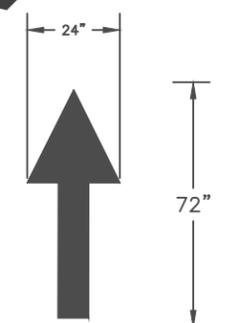
| EXISTING | PROPOSED | |
|----------|----------|---|
| | | PAVEMENT ARROW AND LEGEND |
| | | BIKE SYMBOL WITH HELMET AND BIKE SPECIFIC ARROW |
| | | SHARED LANE SYMBOL |
| | | CROSSWALK WITH 3'-OC BARS (UNSIGNALIZED INTERSECTION) |
| | | CROSSWALK (SIGNALIZED INTERSECTION) |
| | | STOP LINE, 12" WHITE LINE 5' BEHIND CROSSWALK (TYP.) |
| | | SIGN AND POST |
| | | DWLL DASHED WHITE LANE LINE - 4" 2' SKIPS |
| | | SWEL SOLID WHITE EDGE LINE - 4" |
| | | SWLL SOLID WHITE LANE LINE - 4" |
| | | BWLL BROKEN WHITE LANE LINE - 4" - 10' LINE 30' SKIPS |
| | | SWGL SOLID WHITE CHANNELIZING LINE - 4" |
| | | SYGL SOLID YELLOW GORE LINE - 12" |
| | | DYCL DOUBLE YELLOW CENTER LINE - 2-4" LINES |
| | | SYBL SOLID YELLOW BIKE LINE - 4" |
| | | SWL SOLID WHITE LINE - 4" |
| | | SWEL SOLID WHITE EDGE LINE - 4" |
| | | SWPL SOLID WHITE PARKING LANE LINE - 4" |
| | | SWBL SOLID WHITE BIKE LINE - 4" |
| | | BWBL BROKEN WHITE BIKE LINE - 4" |
| | | BWGL BROKEN WHITE GUIDE LINE - 4" |
| | | BYBL BROKEN YELLOW BIKE LINE - 4" |
| | | DELINEATOR POST |



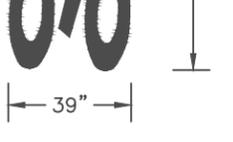
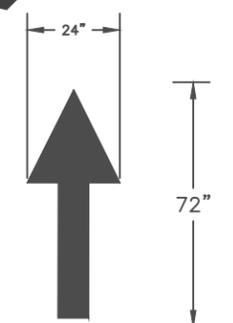
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



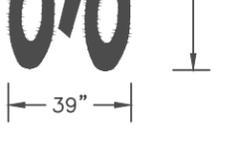
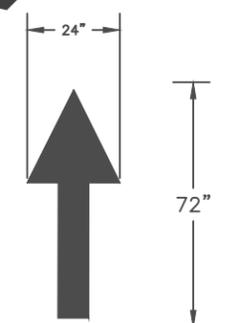
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



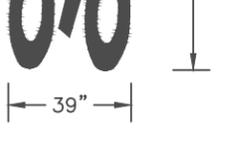
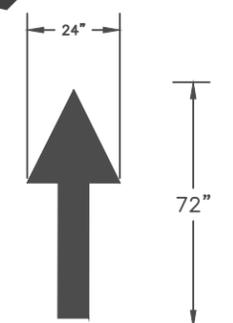
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



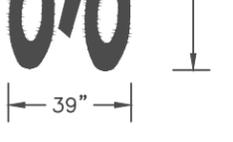
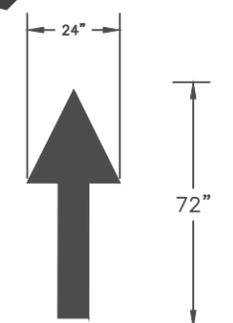
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



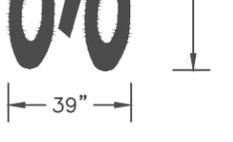
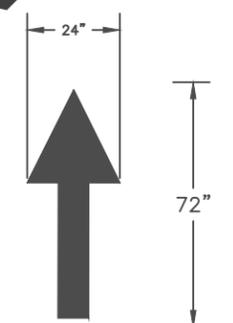
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



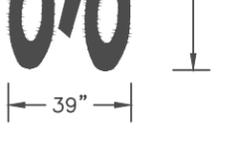
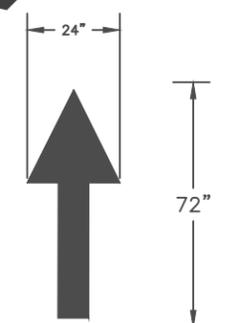
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



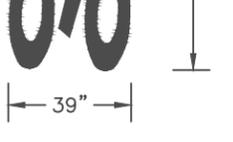
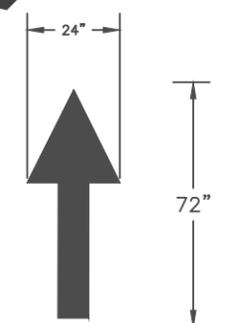
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



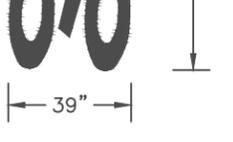
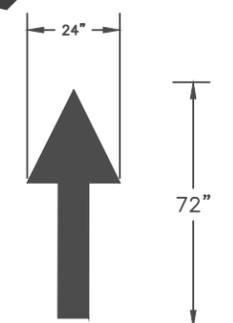
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



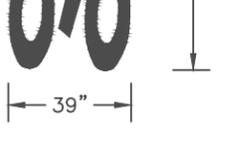
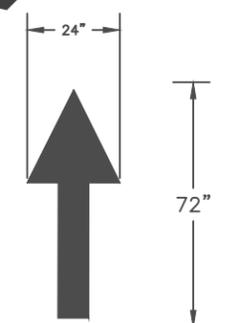
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



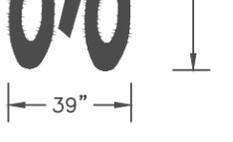
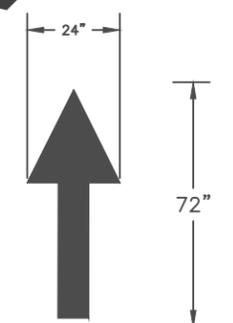
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



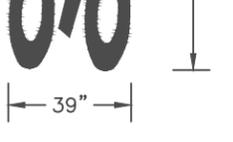
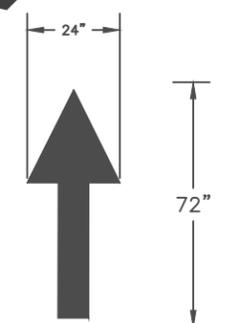
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



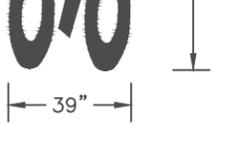
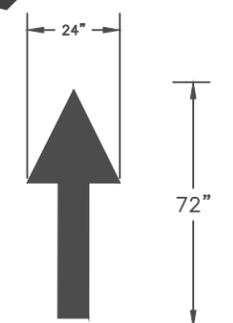
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



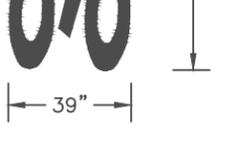
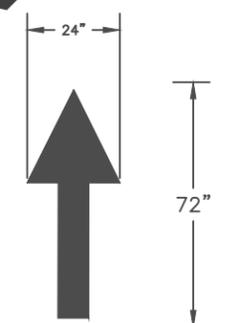
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



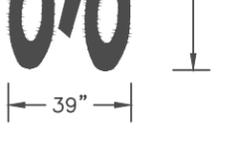
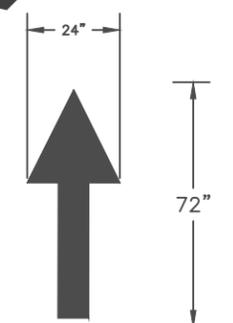
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



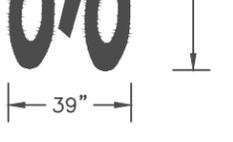
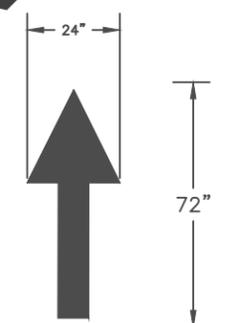
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



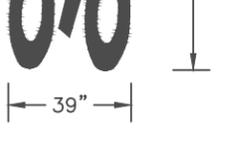
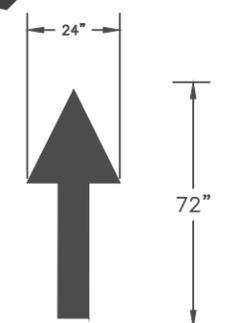
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



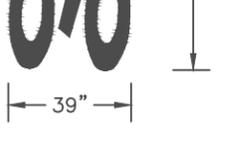
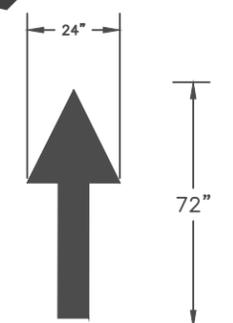
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



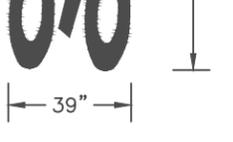
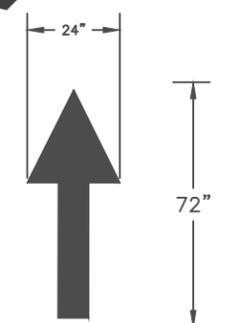
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



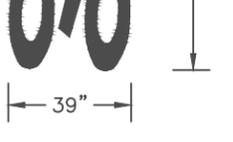
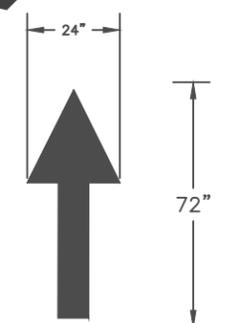
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



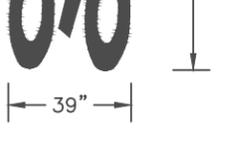
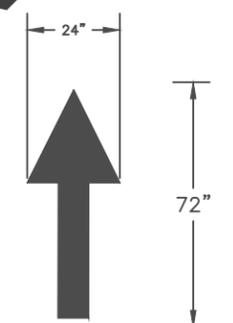
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



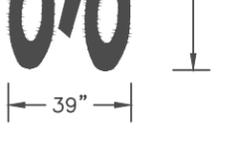
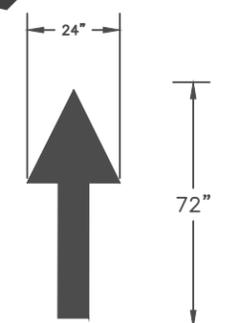
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



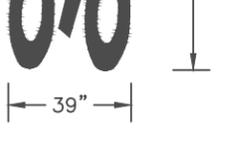
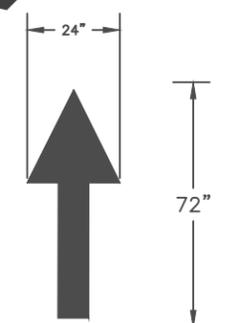
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



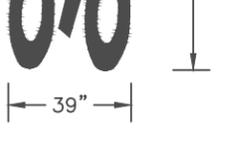
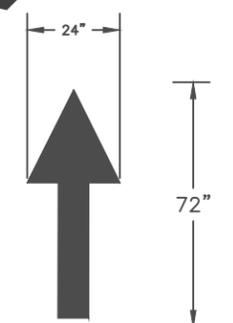
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



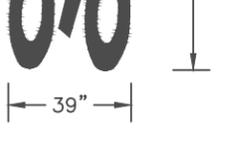
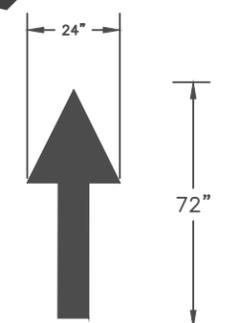
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



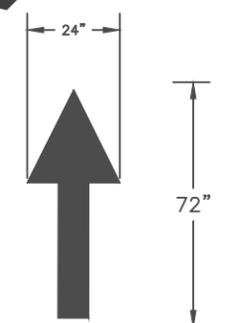
BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE

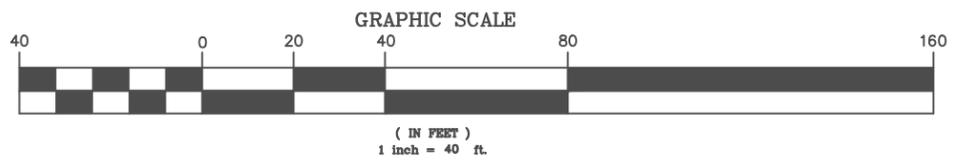
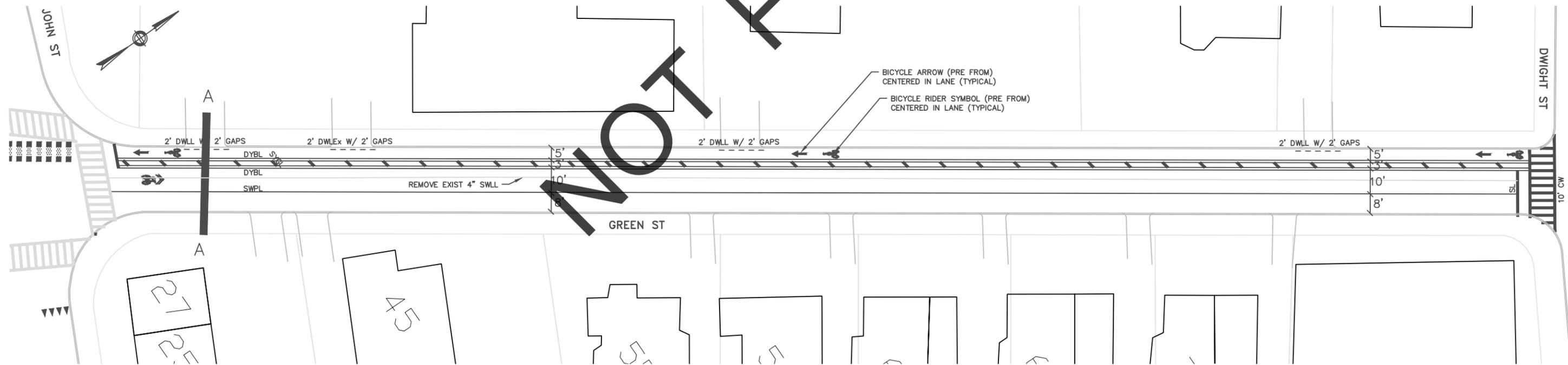
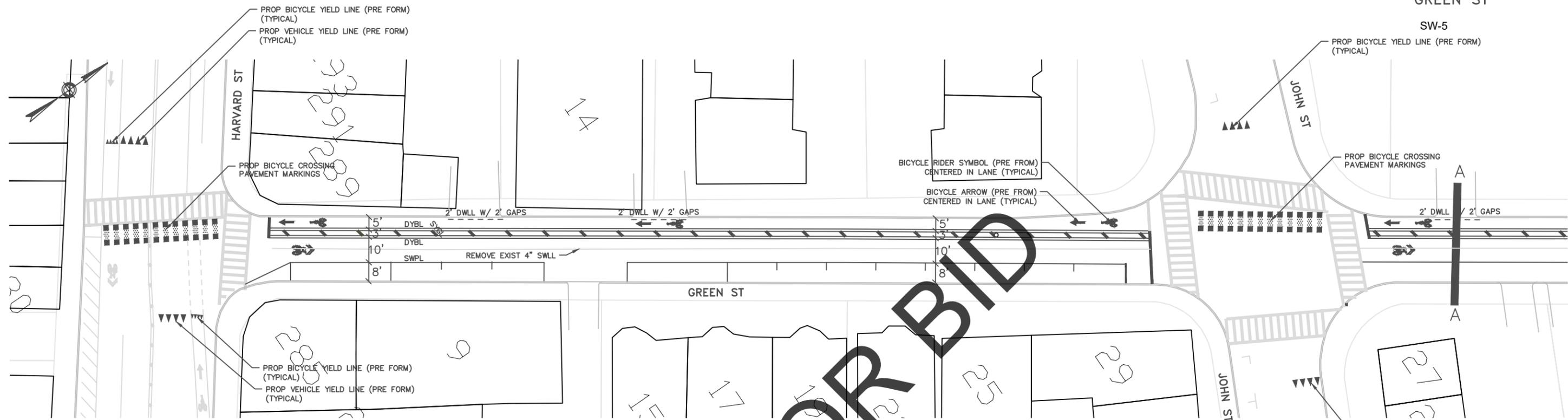


BICYCLE ARROW & BICYCLE RIDER SYMBOL
NOT TO SCALE



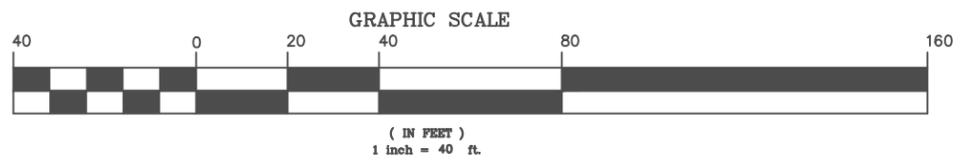
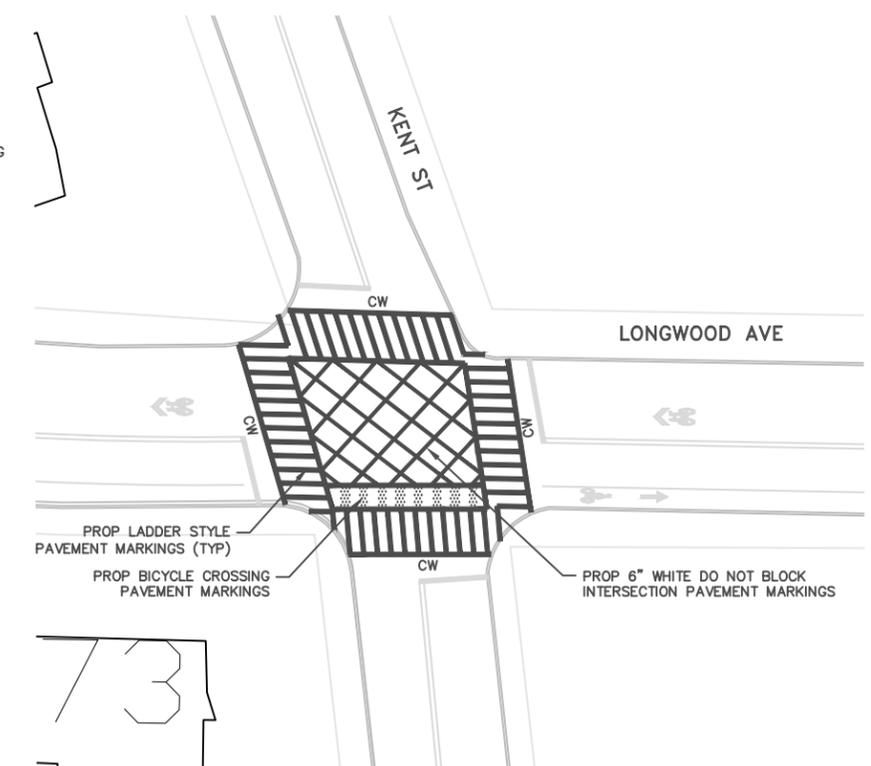
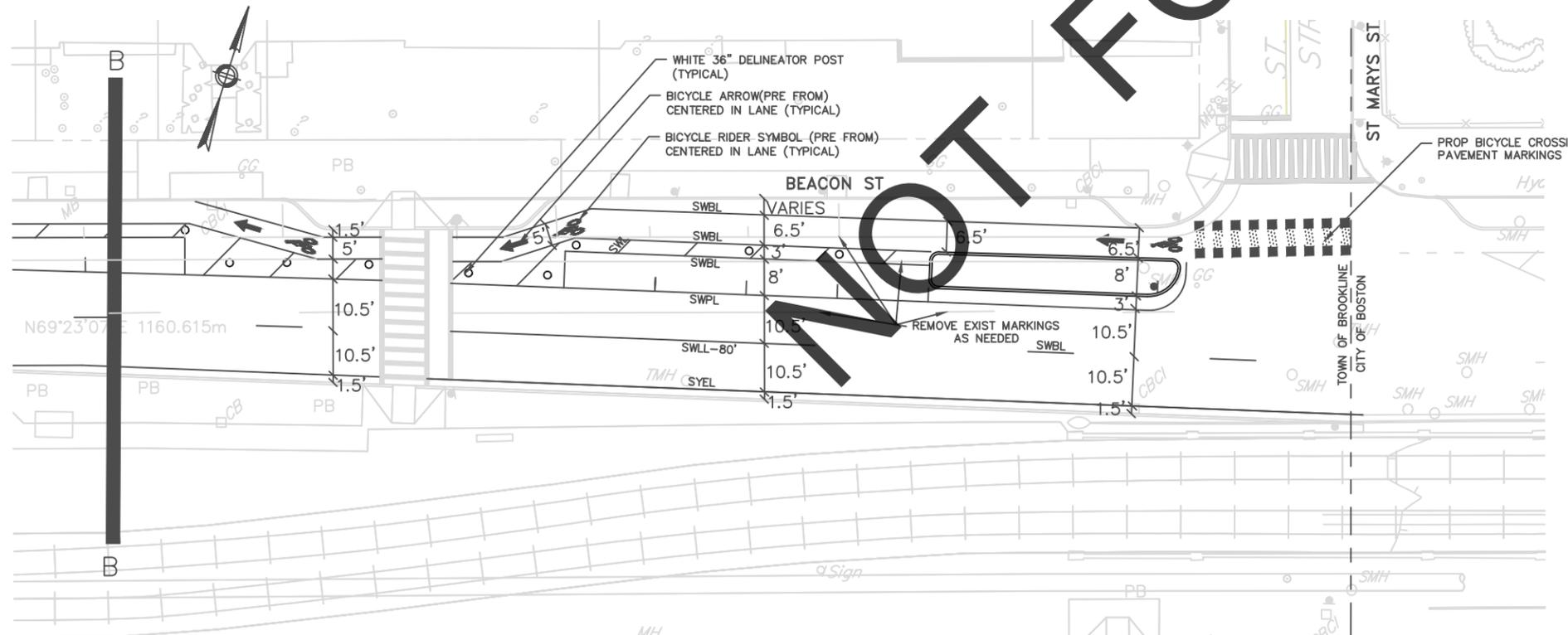
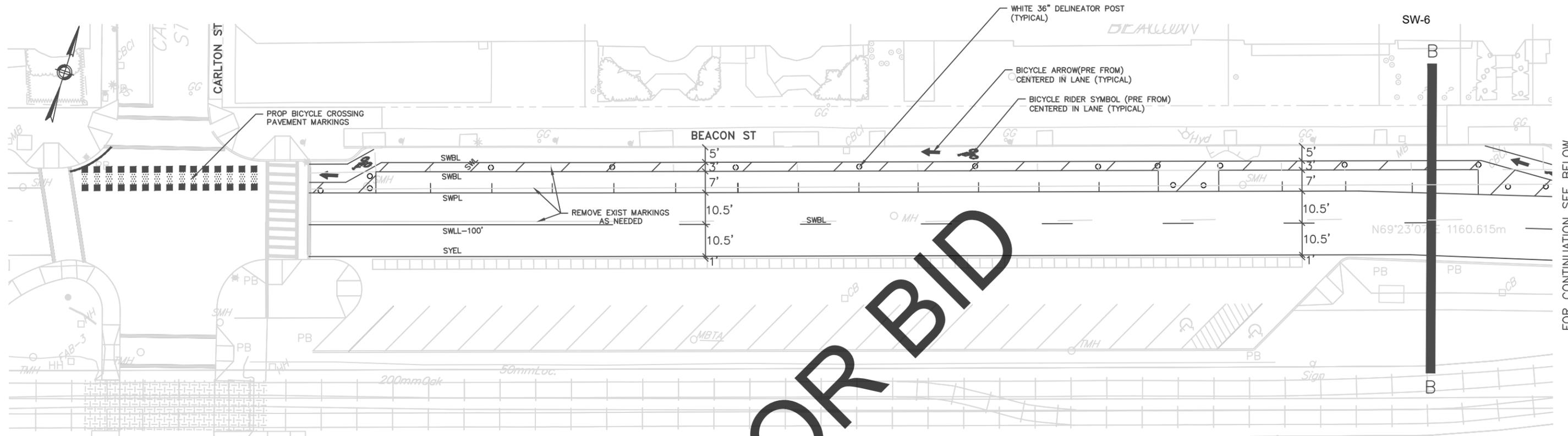
TOWN OF BROOKLINE
 PAVEMENT MARKING PLAN
 SHEET 3 OF 6
 GREEN ST

SW-5



NOT FOR BID

TOWN OF BROOKLINE
 PAVEMENT MARKING PLAN
 SHEET 4 OF 6
 BEACON ST & LONGWOOD AVE



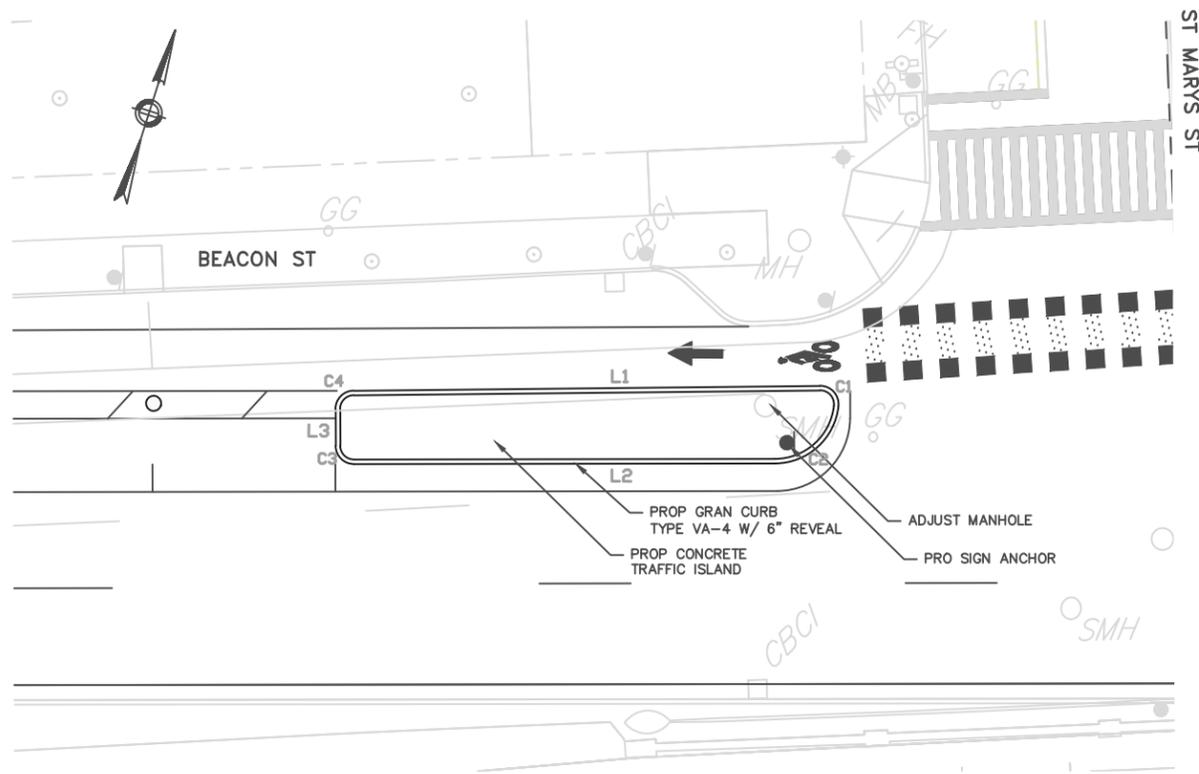
NOT FOR BID

FOR CONTINUATION SEE BELOW

SW-7

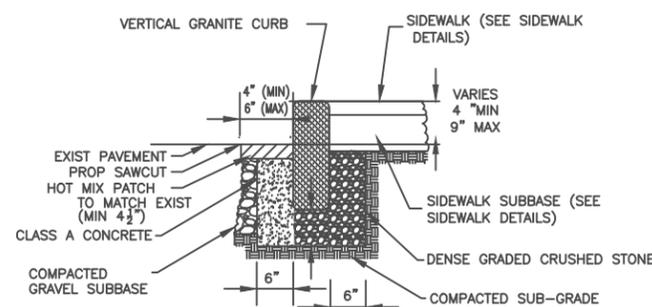
GENERAL CONSTRUCTION NOTES

1. TOPOGRAPHICAL INFORMATION WAS PROVIDED BY THE TOWN OF BROOKLINE.
2. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO LOCATE EXACTLY AND TO PRESERVE ANY AND ALL UNDERGROUND UTILITIES. CALL "DIG-SAFE" 1-888-DIGSAFE (344-7233) AT LEAST 72 HOURS BEFORE COMMENCING CONSTRUCTION.
3. WHERE AN EXISTING UNDERGROUND UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
4. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES.
5. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
6. THE TERM "PROPOSED" (PROP.) MEANS WORK TO BE CONSTRUCTED USING NEW MATERIALS, OR, WHERE APPLICABLE, RE-USING EXISTING MATERIALS IDENTIFIED AS "REMOVE & RESET" (R&R).
7. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL BE RETAINED UNLESS NOTED OTHERWISE.
8. PROPOSED PAVEMENT MARKINGS WILL BE THERMOPLASTIC, TAPE INLAY OR PRE-FORMED THERMOPLASTIC AS INDICATED IN THE CONTRACT PAY ITEMS.
9. ALL EXISTING STATE, COUNTY, CITY AND TOWN LOCATION LINES AND PRIVATE PROPERTY LINES HAVE BEEN ESTABLISHED FROM AVAILABLE INFORMATION AND THEIR EXACT LOCATIONS ARE NOT GUARANTEED.
10. ALL TRANSVERSE JOINTS, AND ALL LONGITUDINAL JOINTS BETWEEN NEW SURFACE PAVEMENT AND EXISTING SURFACE PAVEMENT TO REMAIN SHALL BE COATED WITH A HOT MIX ASPHALT JOINT SEALANT MEETING THE REQUIREMENTS OF MASSDOT SPECIFICATION FOR ITEM 435.
11. ALL DISTURBED AREAS NOT DESIGNATED TO BE PAVED SHALL HAVE COMPOST TOPSOIL PLACED AND SEED. THE LOAM BORROW SHALL HAVE A MINIMUM DEPTH OF 4 INCHES AND SHALL BE PLACED FLUSH WITH THE TOP OF THE ADJACENT CURB, EDGING, BERM OR PAVEMENT SURFACE.
12. PRIOR TO THE START OF ANY NEW UTILITY WORK, ALL ELEVATIONS OF EXISTING UTILITIES IN THOSE AREAS ARE TO BE VERIFIED. THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY SHOULD ANY DISCREPANCIES OCCUR.
13. ALL CASTINGS SHALL BE SET FLUSH WITH FINISHED GRADE.
14. ALL PUBLICLY OWNED GATE BOXES, SERVICE BOXES, MANHOLE FRAMES AND COVERS SHALL BE ADJUSTED TO GRADE BY THE CONTRACTOR.
15. ALL NEW SIDEWALKS AND DRIVEWAY GRADES SHALL MATCH EXISTING GRADES AT BACK OF SIDEWALK LINE UNLESS SHOWN OTHERWISE ON THE PLANS AND CROSS SECTIONS.
16. THE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO PROTECT ALL EXISTING TREES AND ROOTS THAT ARE NOT DESIGNATED FOR REMOVAL.
17. DRAINAGE ELEVATIONS ARE PROVIDED FOR DESIGN PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY BY TEST PIT, THE LOCATIONS OF EXISTING UTILITIES WHICH MAY CONFLICT WITH THE PROPOSED DRAINAGE DESIGN. ANY FIELD ADJUSTMENTS REQUIRED WILL BE MADE AS APPROVED OR DIRECTED BY THE ENGINEER ONLY AFTER THE CONTRACTOR VERIFIES ELEVATIONS FOR THE CONSTRUCTABILITY OF THE DRAINAGE SYSTEM SHALL ANY STRUCTURES BE ORDERED. ANY FIELD ADJUSTMENTS TO LINE & GRADE UP TO A DEPTH OF 5' SHALL BE INCLUDED IN THE COST OF THE PIPE. PIPE EXCAVATION GREATER THAN 5' WILL BE PAID UNDER CLASS B TRENCH EXCAVATION.
18. THE CONTRACTOR SHALL COORDINATE ANY WORK FOR THE PROJECT WITH ALL ADJACENT/CONCURRENT PROJECTS AND CONTRACTORS



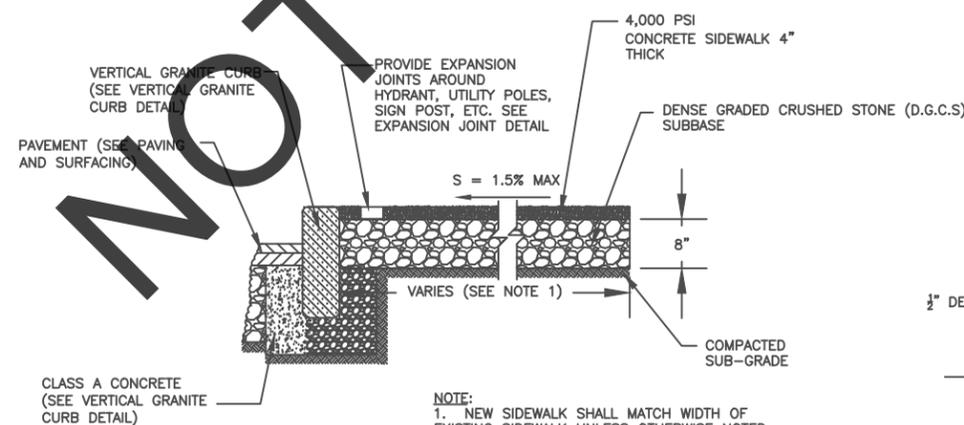
| GRANITE CURB LINE TABLE | |
|-------------------------|--------|
| LINE | LENGTH |
| L1 | 51.0 |
| L2 | 46.0 |
| L3 | 4.0 |

| GRANITE CURB CURVE TABLE | | |
|--------------------------|--------|--------|
| CURVE | LENGTH | RADIUS |
| C1 | 3.3 | 2.0 |
| C2 | 10.3 | 7.0 |
| C3 | 3.1 | 2.0 |
| C4 | 3.1 | 2.0 |



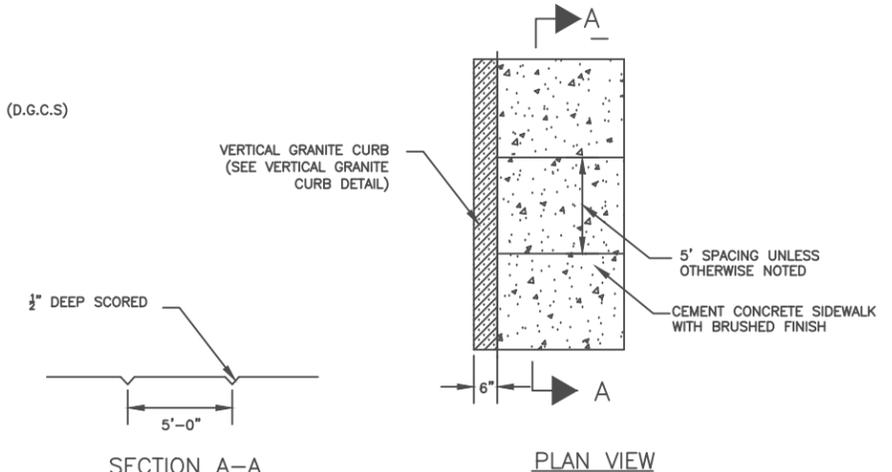
NOTE: CONCRETE SHALL BE INCLUDED IN CURB PAYMENT ITEM

GRANITE CURB DETAIL
 NOT TO SCALE



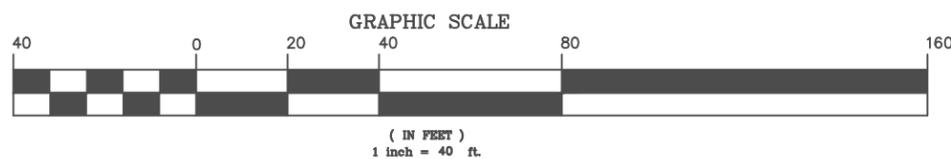
NOTE:
 1. NEW SIDEWALK SHALL MATCH WIDTH OF EXISTING SIDEWALK UNLESS OTHERWISE NOTED.

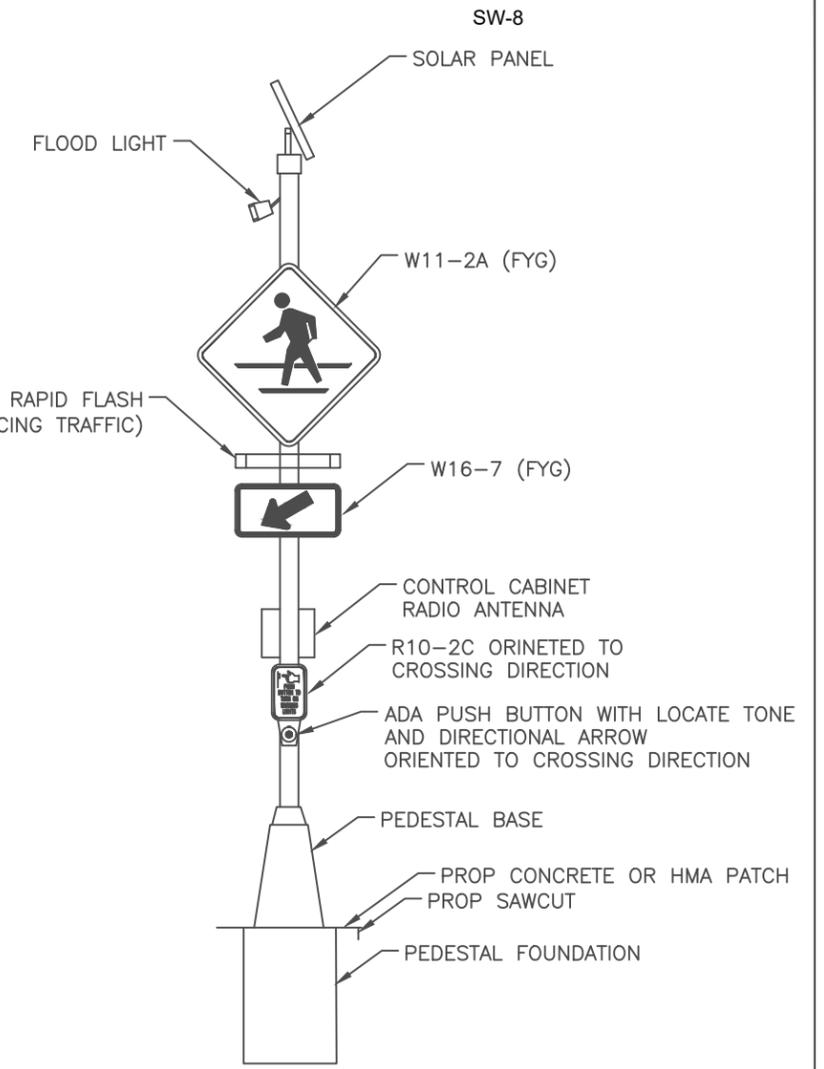
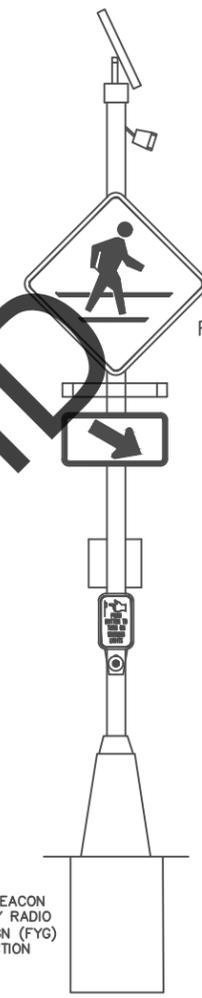
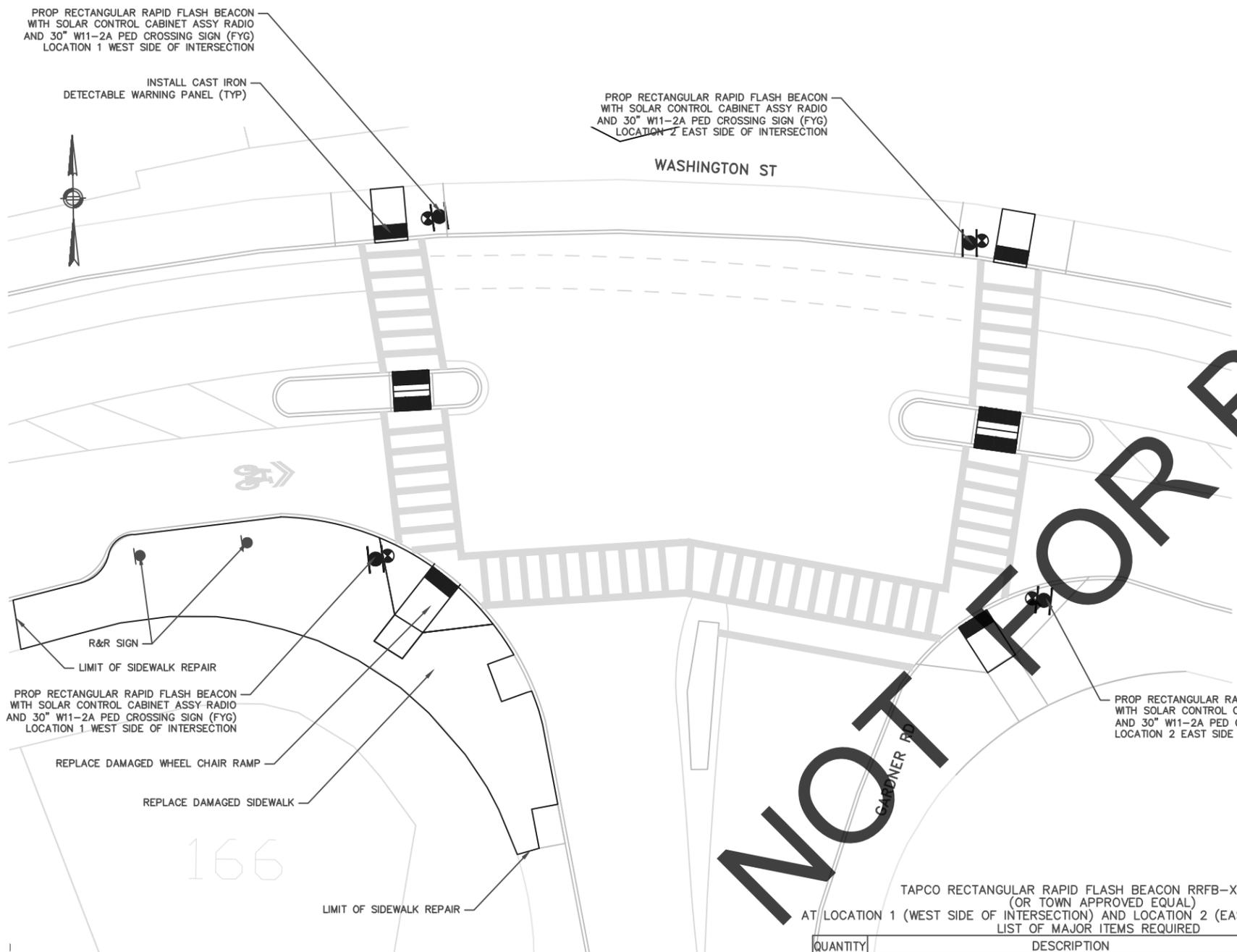
SECTION VIEW



NOTE:
 AROUND HYDRANTS, UTILITY POLES SIGN POSTS ETC., SEE EXPANSION JOINT DETAIL

CEMENT CONCRETE SIDEWALK
 NOT TO SCALE





RECTANGULAR RAPID FLASH BEACON

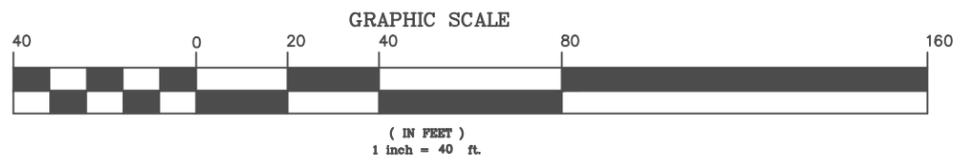
NOT TO SCALE

NOT FOR BID

TAPCO RECTANGULAR RAPID FLASH BEACON RRFB-XL2 SYSTEM
 (OR TOWN APPROVED EQUAL)
 AT LOCATION 1 (WEST SIDE OF INTERSECTION) AND LOCATION 2 (EAST SIDE OF INTERSECTION)
 LIST OF MAJOR ITEMS REQUIRED

| QUANTITY | DESCRIPTION |
|----------|---|
| 8 | 30" W11-2A PED CROSSING SIGN (FYG) |
| 8 | RECTANGULAR RAPID FLASH BEACON BAR w/ PED INDICATOR LIGHT |
| 4 | 85W SOLARD CONTROL SYSTEM W/ RADIO (BLACK) |
| 4 | 24X12 W 16-7L DOWN LEFT ARROW SIGN (FYG) |
| 4 | 24X12 W 16-7R DOWN RIGHT ARROW SIGN (FYG) |
| 4 | PUSHBUTTON W/ 9X12 FRAME & R10-25 SIGN |
| 4 | FLOOD LIGHT CROSSWALK ILLUMINATOR |
| 4 | 14' ALUMINUM PEDESTAL W/ BASE (BLACK) |
| 4 | PEDESTAL FOUNDATION |

LOCATION 1 AND LOCATION 2 TO OPERATE INDEPENDENT OF EACH OTHER
 PLUS NECESSARY DUCT, CABLE, LABOR, MISCELLANEOUS MATERIAL AND
 EQUIPMENT TO COMPLETE THE INSTALLATION AND PROVIDE AN OPERATING
 RECTENGULAR RAPID FLASH CROSWALK SYSTEM



TOWN OF BROOKLINE

Dept. of Public Works – Engineering
333 Washington Street
Brookline, MA 02445

Peter Ditto
Engineering/Transportation
Director
Phone:(617) 730-2139

Dept. of Pub. Works – Highway & Sanitation
870 Hammond Street
Chestnut Hill, MA 02467

Kevin Johnson
Highway, Sanitation and Fleet
Maintenance Director
Phone:(617) 879-4900

Brookline Fire Department
350 Washington Street
Brookline, MA 02445

Chief John Sullivan
Phone:(617) 730-2272

Brookline Police Department
350 Washington Street
Brookline, MA 02445

Chief Andrew Lipson
Phone:(617) 730-2249

FIRE ALARM

Brookline Fire Alarm
350 Washington Street
Brookline, MA 02445

Kyle McEachern
Phone:(617) 730-2170

ELECTRIC

Eversource Electric
247 Station Drive, NWBED 180
Westwood, MA 02090

Steven Owens
Phone:(508) 441-5881
Email:
steven.owens@eversource.com

TELEPHONE

Verizon
385 Myles Standish Boulevard
Taunton, MA 02782

Karen Mealey
Phone: (774) 409-3160
Email:
karen.m.mealey@verizon.com

GAS

National Grid Gas
40 Sylvan Road – 3rd Fl – W3.244
Waltham, MA 02451

Melissa Owens
Phone: (781) 907-2845
Email:
Melissa.owens@nationalgrid.com

NOT FOR BID

CABLE

RCN
956 Massachusetts Avenue
Arlington, MA 02476

Margot Jones
Phone: (781) 316-8881

Comcast
PO Box 6505 – 5 Omni Way
Chelmsford, MA 01812

William Wasylak
Phone: (978) 848-5640

Lighttower
80 Central Street
Boxborough, MA 01719

Mark Bonanno
Phone: (508) 616-7818
Email:
mbonanno@lighttower.com

WATER & SEWER

Brookline DPW – Water & Sewer
333 Washington Street
Brookline, MA 02445

Thomas Steele
Phone: (617) 201-9379

Massachusetts Water Resources Authority
2 Griffin Way
Chelsea, MA 02150

Ralph Francesconi (Water)
Phone: (617) 305-5827
Email:
Ralph.Francesconi@mwra.state.ma.us

Massachusetts Water Resources Authority
2 Griffin Way
Chelsea, MA 02150

Kevin McKenna (Sewer)
Phone: (617) 305-5956
Email:
Kevin.McKenna@mwra.state.ma.us

RAILROAD

Massachusetts Bay Transportation Authority
100 Summer Street, Suite 1200
Boston, MA 02110

Christine Bresnahan
Phone: (617) 222-3361
Email:
CBresnahan@mbta.com

MISCELLANEOUS

186 Comm c/o Waveguide Inc.
10 North Southwood Drive
Brookline, MA 02445

Jay Dunn
Phone: (603) 598-0096
Email: jdunn@waveguidefiber.com

Level (3) Communications
1025 Eldorado Blvd
Broomfield, CO 80021

Mike Weaver
Email: relo@level3.com

Crown Castle
2000 Corporate Drive

Steve Canina
Phone: (339) 205-7015

ARCHITECTURAL ACCESS BOARD TOLERANCES

The Contractor is hereby notified that they are ultimately responsible for constructing all project elements in strict compliance with the current AAB/ADA rules, regulations and standards.

All construction elements in this project associated with sidewalks, walkways, wheelchair ramps and curb cuts are controlled by 521CMR - Rules and Regulations of the Architectural Access Board (AAB).

The AAB Rules and Regulations specify maximum slopes and minimum dimensions required for construction acceptance. There is no tolerance allowed for slopes greater than the maximum slope nor for dimensions less than the minimum dimensions.

Contractors shall establish grade elevations at all wheel chair ramp locations.

All wheelchair ramps and sidewalks shall be staked and checked by the engineer prior to installing forms. All joints and transition sections which define grade changes shall be formed and checked prior to placing cement concrete. All grade changes are to be made at joints.

SAWCUTS

Saw cutting shall be considered incidental to the item to which it is associated. No separate payment will be made for saw cutting hot mix asphalt, cement concrete, or granite curb. Saw cutting locations shall be reviewed and approved in the field by the engineer prior to performing the work.

PROSECUTION OF WORK

(Supplementing Subsection 8.03)

Before starting any work under this Contract, the Contractor shall prepare, and submit to the Engineer for approval, a plan that indicates the traffic and pedestrian routing proposed by the Contractor during the various stages and time periods of the work and the temporary barricades, signs, drums and other traffic control devices to be employed during each stage and time period of the work to maintain traffic and access to abutting properties.

Particular care shall be taken to establish and maintain methods and procedures that will not create unnecessary or unusual hazards to public safety. Traffic control devices required only during working hour operations shall be removed at the end of each working day. Signs having messages that are irrelevant to the proposed traffic conditions during each phase of operations shall be removed or properly covered at the end of each work period. Signs shall be kept clean at all times and legends shall be distinctive and unmarred.

PRESERVATION OF ROADSIDE GROWTH

(Supplementing Subsection 8.08)

The Contractor shall take all necessary care when excavating or working in the vicinity of existing trees so that the root systems, trunks, and branches are not damaged. All precautions shall be taken to insure that heavy equipment does not damage any roots, including those that lie below the limits of excavation.

Do not store equipment or stockpile materials within drip line of trees or in areas enclosed by tree protection fencing.

Avoid any direct soil contamination in root zone area by petroleum, petroleum products or solvents, salts or any other pollutant during construction.

All cutting or trimming of trees to be preserved shall be executed by a Massachusetts Certified Arborist. The Contractor shall provide the Engineer with a copy of the certification prior to any work on trees.

Trees that, in the judgment of the Engineer, have been irreparably damaged by the Contractor shall be replaced in kind and in size, or, with a quantity of 2 inch caliper replacement trees (the quantity of which shall be determined by the Engineer) such that the cumulative caliper of the replacement trees will be up to the equivalent of diameter of the lost tree at breast height. Cost of replacement trees shall be paid by the Contractor.

Cost of removal of destroyed tree, including roots and stump, as well as the cost of replacement trees, shall be paid for by the Contractor.

DRAINAGE STRUCTURES

Where new pipe is shown on the drawings to be connected into an existing drainage structure to remain, the existing structure shall be carefully and neatly cut to provide the minimum size opening required for the insertion of the new pipe. The proposed pipe end shall be set or cut off flush with the inside face of the existing structure wall and the remaining space around the pipe completely filled with cement grout for the full thickness of the structure wall. Existing shaped inverts shall be reconstructed as necessary to provide a smooth and uniform flow channel from the new pipe through the existing structure.

At structures remaining in use connecting to abandoned or removed pipes shall be plugged at the structure wall.

When the drainage structure is removed and the pipe abandoned in place, plug pipe opening to prevent material from migrating into pipe.

All drainage structures to be abandoned or removed shall have the pipe openings plugged.

Where new structures shown on the plans are to connect to existing pipes to remain, test pits to locate and survey the existing pipe shall be performed prior to ordering structure. The existing pipe shall be carefully cut to allow the insertion of the drainage structure. The existing pipe end shall be cut off flush with the inside face of the proposed structure wall and the remaining space around the pipe completely filled with cement grout for the full thickness of the structure wall.

No separate payment will be made for the cost of connecting existing pipes to new structures, but all costs in connection therewith shall be included in the unit price bid for the various structure items. If new pipe or pipe section are required to extend the existing line to and through the new structure wall, the new pipe will be paid for under the unit price per foot established under that item.

No separate payment will be made for the cost of connecting new pipes into existing structures and necessary alterations of existing structures, but all costs in connection therewith shall be included in the unit prices bid for the various pipe items.

CASTINGS

All new water/sewer/drain castings required for the project will be provided by the Town of Brookline. Installation of castings shall be included in the various contract items and no additional compensation will be provided.

FINE GRADING AND COMPACTING

Fine grading and compacting of the subgrade, the grading and finishing of all slopes, and the preparation of all areas for HMA, cement concrete, and loam shall be constructed in accordance with the relevant provisions of Section 170. The cost of fine grading and compacting shall be included in the various contract items and no additional compensation will be provided.

SECTION 120

EXCAVATION

DESCRIPTION

120.22 Class A Rock Excavation.

Add the following:

When encountered within the limits of roadway and/or sidewalk excavation unless otherwise provided for in the Proposal, Class A Rock Excavation shall include cement concrete pavement.

CONSTRUCTION METHODS

120.60 General.

B. Disposal of Excavated Material.

Add the following:

It shall be the Contractor's responsibility to dispose of unsuitable material and any excavated material that is not required for use within the locus of the work, as determined by the Engineer, outside the locus of the work, in a contractor furnished disposal area.

ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AT THE END OF EVERY WORKING DAY.

COMPENSATION

120.80 Method of Measurement.

Add the following:

Class A Rock Excavation will be measured by the cubic yard. All cutting, breaking up, excavation, removal of excavated material, reshaping and the compaction of subgrade will be paid for at the contract unit price per cubic yard of Class A Rock Excavation, which price shall include full compensation for all labor and equipment necessary to complete the work in a satisfactory manner.

120.81 Basis of Payment.

Add the following:

| | | |
|-------------------|-------------------------|------------|
| Item 121.1 | Class A Rock Excavation | Cubic Yard |
|-------------------|-------------------------|------------|

**SECTION 129
BITUMINOUS CONCRETE EXCAVATION**

DESCRIPTION

129.20 General.

The present Bituminous Concrete roadway and/or Bituminous Concrete sidewalk surface where shown on the plans or as directed by the Engineer, shall be broken up, excavated to the proposed lines and grades, and the excavated material removed from the site to a Contractor furnished disposal area.

CONSTRUCTION METHODS

129.60 General

Under the classification of Bituminous Concrete Excavation, the Contractor shall cut, break up, and remove the broken up material from off the site to a Contractor furnished disposal area. The edges of all excavated areas shall be cut on straight lines with vertical faces of sufficient depth to afford a butt joint of a minimum depth of one (1) inch wearing surface, or to a deeper depth if so directed by the Engineer. The cutting of all edges shall be by means of a power saw or as by such means as the Engineer shall direct. The excavated area shall then be reshaped and thoroughly compacted to the lines and grades as shown on the plans or as directed by the Engineer.

COMPENSATION

129.80 Method of Measurement

Where the existing roadway and sidewalk pavement is cut, broken up and excavated, the excavated material removed, and the subgrade reshaped and compacted the Bituminous Concrete Excavated area will be measured in square yards.

129.81 Basis of Payment.

All cutting, breaking up, excavation, removal of excavated material, reshaping and the compaction of subgrade will be paid for at the contract unit price per square yard of Bituminous Concrete excavation, which price shall include full compensation for all labor and equipment necessary to complete the work in a satisfactory manner.

129.82 Payment Item.

| | | |
|--------------|--------------------------------|-------------|
| 129.1 | Bituminous Concrete Excavation | Square Yard |
|--------------|--------------------------------|-------------|

ITEM 221.1

SANITARY AND DRAINAGE STRUCTURE
ADJUSTED, E.C.C.

EACH

The work under this item shall conform to the relevant provisions of Section 201 of the Standard Specifications and the following:

DESCRIPTION

This work shall consist of removing, replacing and adjusting the masonry and castings of present structures, as required, to conform to newly proposed line and grade changes; to change type of structure, or changes in type of castings; to remodel or adjust drainage structure basins, all in accordance with this specification and in close conformity with the line and grades shown on the plan or established by the Engineer.

CONSTRUCTION METHODS

Hot Mix Asphalt (binder), thoroughly compacted, shall be placed around all castings adjusted as shown on the plan or as directed by the Engineer. Compensation for each payment item shall include payment for the HMA binder used in backfilling.

The Contractor will be held responsible for keeping all catch basins, manholes, and sewer and drain pipes within the work site free from all construction debris. Prior to placing the Bituminous Concrete Wearing Surface, the portion of completed work shall be thoroughly cleaned and the open ends of any pipe or structure securely blocked or stoppered in such a manner as to prevent the entrance into the pipe or structure of any dirt, rubbish or other foreign matter. No structure shall be accepted until it has been thoroughly inspected by the Engineer and found to comply with the above-specified requirements. Should the Town's Public Works Department have to remove any construction debris from catch basins, manholes, or sewer and drain pipes, the Contractor will be charged for these Town services.

The present castings shall be carefully removed. They shall be satisfactorily stored until they are required for use or until they are transported and stacked by the Contractor at the Water and Sewer Division Storage Yard, 815 Newton St.,(Transfer Station). If new castings are needed, they may be picked up at the same yard.

SECTION 402

DENSE GRADED CRUSHED STONE FOR SUB-BASE

COMPENSATION

402.81 Basis of Payment.

Delete subsection and add the following:

Dense graded crushed stone for sub-base will be paid for at the contract unit price per ton complete in place.

402.82 Payment Items

Add the following:

402.1 Dense Graded Crushed Stone for Sub base Ton

NOT FOR BID

SECTION 470

HOT MIX ASPHALT FOR MISCELANOUS WORK

Description

General

Work under this Item shall conform to the relevant provisions of Section 472 and the following:

Typical areas include, but are not limited to the following:

- a) Roadway patching/leveling on milled surface prior to placement of HMA
- b) Roadway patching in front of new and reset curbing and edging.
- c) Roadway patching at areas of full depth reconstruction and pavement widening
- d) All other incidental patching areas or as directed by the Engineer

Each course shall be constructed to the depth, typical section, or elevation required by the plans and shall be rolled, finished, and approved before the placement of the next course.

The repair shall be made by providing a one and one half to three inch (1-1/2"-3") inch bituminous concrete wearing surface as directed by the Engineer.

The depth of the edgestone trench repair shall be a minimum of two (2") inches placed on top of the concrete placed in front of the curbing.

After compacting the new pavement, the joints shall be sealed with an RS-1 emulsion and sand.

The price bid shall include full compensation for all excavation and saw cutting of bituminous or cement concrete pavement, compaction, bitumen, and for furnishing all materials, labor, tools, equipment, and incidentals needed to complete this work

Payment

| | | |
|----------|--------------------------------------|-----|
| ITEM 472 | HOT MIX ASPHALT FOR MISCELANOUS WORK | TON |
|----------|--------------------------------------|-----|

ITEM 504.000
ITEM 504.100
ITEM 580.0

GRANITE CURB TYPE VA4 – STRAIGHT
GRANITE CURB TYPE VA4 – CURVED
CURB REMOVED AND RESET

LINEAR FOOT
LINEAR FOOT
LINEAR FOOT

The work under this item shall conform to the relevant provisions of Section 501 of the Standard Specifications and the following:

Saw cutting, Excavation, Disposal of Excavated Material, and Concrete for setting and resetting all curbing items shall be considered incidental to and included in each payment item. Concrete for curb items shall be placed in accordance with the detail provided in the drawings and as directed by engineer.

NOT FOR BID

ITEM 701.000 CEMENT CONCRETE SIDEWALK SQUARE YARD

ITEM 701.100 CEMENT CONCRETE SIDEWALKS AT DRIVEWAYS SQUARE YARD

ITEM 701.200 CEMENT CONCRETE WHEELCHAIR RAMP SQUARE YARD

ITEM 701.3 CAST IRON DETECTABLE WARNING PANELS SQUARE FEET

The work under these items shall conform to the relevant provisions of Section 701 of the Standard Specifications and the following:

Add the following:

1. Concrete shall be formed, placed on an approved base, properly finished and cured by experienced concrete finishers under the inspection of the Department of Public Works.
2. Concrete shall be "Class D" (4,000 p.s.i.) in accordance with Section M4.02.00 of the "Standard Specifications for Highways and Bridges" of the Massachusetts Highway Department with 610 lbs. of Portland cement, maximum aggregate size of $\frac{3}{4}$ " and 0.20 gallons of Carbo Jet Dispersed Carbon Black or 2.0 pounds of Lamp Black color admixture per cubic yard of concrete with $6\% \pm 1\%$ entrained air in place.
3. Concrete slump shall not exceed five (5) inches.
4. Thickness of concrete sidewalks and wheelchair ramps shall be four (4) inches. Thickness of concrete driveways shall be six (6) inches.
5. Concrete walks shall be non-reinforced.
6. Control joints shall be straight, $\frac{3}{8}$ inch wide, and to a depth equal to one-quarter of the finished depth. Spacing of control joints will depend on the width of the sidewalk and shall form square or nearly square panels.
7. The concrete shall be screeded and darried or bull floated (not to excess). A proper waiting period shall be allowed for settlement and bleeding before final finishing. A transverse soft broom finish is required.
8. Concrete shall be sprayed in two directions with an adequate amount of impervious membrane curing compound according to Subsection 476.71C of the "Standard Specifications for Highways and Bridges". Type 2 Liquid Membrane-Forming compounds for Curing Concrete shall be used on accordance with ASTM Designation C-309-58 or AASHTO Designation M140-57 or the latest revision thereof.
9. Expansion joints shall be to the full depth and width of the concrete slab and shall be placed at vertical or horizontal direction changes, where pavement thickness changes, at each end of tree pits, and around all poles.
10. Bond breaking material shall be used where concrete is placed against foundations, walls, etc. Repairs at the backline of the sidewalk shall be considered incidental to the sidewalk, driveway and wheelchair ramp work.
11. All concrete walk layout and design shall be reviewed with the Engineering Division representatives well in advance of construction and shall be inspected by this Division during construction. Air tests and strength cylinders may be taken by the Division to verify proper materials and compliance with the specifications.
12. All equipment, materials and tools shall be on the job before placing concrete.

13. All Concrete sidewalks, driveways, curb ramps, detectable warning panels and crosswalks shall be installed in accordance with the most recent Massachusetts Architectural Access Board (A.A.B.) and A.D.A. Accessibility Guidelines. In case of a conflict, the more stringent requirement shall be followed. The Contractor shall make every reasonable effort to construct the sidewalk in compliance with ADA and AAB standards. It is the responsibility of the Contractor to notify the Engineer of any repair that cannot be constructed to the applicable ADA and AAB standards. All work that does not meet the ADA and AAB standards shall be replaced by the Contractor with no additional cost to the Department of Public Works.
14. Detectable Warning Panels meeting all applicable ADA and MA AAB regulations shall be installed at every wheelchair ramp. The Detectable Warning Panels shall be cast-in-place type, natural in color and made of **CAST IRON**.
 - a. Manufacturers: East Jordan Iron Works, Neenah Foundry or Approved Equal.
15. If subsequent testing on hardened concrete by the Department of Public Works shows that the concrete does not meet the specification requirements, the Contractor shall in addition to being responsible to replace any material or workmanship which is rejected, shall also be responsible for the cost of testing.
16. The Contractor shall be responsible to protect the newly poured concrete surface against vandalism and marking or defacing, and must replace any concrete flatwork which, in the opinion of the Engineer, are excessively marked or defaced without any additional compensation.
17. The Contractor shall be required to provide safe and convenient access to all residences, stores, and businesses during construction operations.

The bid price for items 701.000, 701.100, 701.101, and 701.200 shall be full compensation for all sawcutting, all grading, compacting, furnishing, and placing all materials including forms and equipment, tools and all other incidental work necessary for final completion of the items as specified.

If subsequent testing on hardened concrete by the Department of Public Works shows that the concrete does not meet the specification requirements, the Contractor shall in addition to being responsible to replace any material or workmanship which is rejected, shall also be responsible for the cost of testing.

The Contractor shall be responsible to protect the newly poured concrete surface against vandalism and marking or defacing, and must replace any concrete flatwork which, in the opinion of the Engineer, are excessively marked or defaced without any additional compensation.

The Contractor shall be required to provide safe and convenient access to all residences, stores, and businesses during construction operations.

SECTION 860

REFLECTORIZED PAVEMENT MARKINGS

DESCRIPTION

Work under this Section includes applying reflectORIZED markings to hot mix asphalt and cement concrete pavement in accordance with the Standard Specifications and as specified herein. All pavement markings shall be in accordance with the latest Manual on Uniform Traffic Control Devices standards unless otherwise specified.

MATERIALS

- A. **Thermoplastic ReflectORIZED Pavement Markings** shall be of 100% solids. The binder shall consist of synthetic alkyd resins, and be homogeneously incorporated with all the necessary prime pigments, fillers and glass beads. Meet ASTM (E1710, E2177 and E2832) retroreflectivity requirements. Markings will have a minimum thickness of 90 mils drop-on beads must be applied evenly and adhered to a depth of 60%.
- B. **Pre-formed ReflectORIZED Thermo Plastic Traffic Markings** shall be PreMark with ViziGrip by Ennis-Flint or Town approved equal.
- C. **Preformed ReflectORIZED High Friction Surface Green Color** shall be PreMark with ViziGrip by Ennis-Flint or Town approved equal. Corundum shall be applied as described in construction methods below.
- E. **Delineator Posts** shall be white 36" EAC City Posts by Pexco or Town approved equal. Delineator posts shall have double wrap yellow high intensity reflective sheeting attached. Delineator posts shall be mounted to a recessed, 4" aluminum anchor cup base by Pexco or Town approved equal. Adhesive used with the anchor installation shall be recommended by the manufacturer. Anchor cup plug caps equal to the amount of posts installed, and a city post wrench by Pexco shall be delivered to the Town.

CONSTRUCTION METHODS

All Pavement Markings shall be installed in strict accordance with the manufacturer's specifications.

Work shall be done only in seasonable weather and in accordance with good painting practices. Air and surface temperatures is to be a minimum of 50F and rising at the time of marking operations. Surfaces should be clean and dry The Engineer shall make the final determination as to suitability of weather or other related conditions.

Chalk lines or a method of spotting that is acceptable to the Engineer shall be used as a guide on new work or where previous lines are not sufficiently legible in the opinion of the Engineer to provide a satisfactory guide.

The Contractor shall remove traffic markings including Tape, Thermoplastic and Paint by method that is not injurious to the roadway surface and is acceptable to the Commissioner of Public Works. A traffic marking shall be considered removed when its visibility to a driver is such that it no longer provides as a safe guide for direction of travel or as a regulatory device. The level of visibility shall be determined by the Commissioner of Public Works. The Contractor must be equipped with both self-propelled grinding machine and a truck mounted grinding machine for use where rapid removal is necessary. The use of these machines must meet with the approval of the Commissioner of Public Works.

Corundum shall be applied to Green Pre Mark during the final pass with infrared heater, broadcast a liberal amount of corundum to ensure proper initial anti-skid value. When using a propane torch, broadcast the corundum as heat indicators begin to close on the surface. Corundum should be visibly exposed from the PreMark, but embedded so as to not leave a smooth surface.

NEVER MIX ALKYD AND WATERBORNE TRAFFIC PAINTS. They are incompatible and mixing will result in a congealed mess.

The painted lines shall remain protected until sufficiently dry to bear traffic. Wet line paint guards shall not extend for a distance greater than necessary without leaving a gap to facilitate the movement of cross traffic. Cones shall be kept on the line throughout the drying period. The Contractor shall assign personnel to properly control the position of the guards during the entire drying period. Such control is dependent on traffic density, lane widths etc., and shall be as deemed necessary by the Commissioner.

If, for any reason, paint is spilled or tracked on the highways or any markings applied by the Contractor that deviate from the desired pattern, the Contractor shall remove such paint by a method that is not injurious to the roadway surface and is acceptable to the Engineer; clean the roadway surface and prepare the surface for a re-application and re-apply the line as directed, without additional compensation for any of the foregoing including the re-application of the painted lines

All personnel working under this contract shall abide by the motor vehicle laws of the Commonwealth insofar as they are applicable thereto.

COMPENSATION

Pavement markings shall be applied properly and shall be acceptable to the Engineer before approval for payment based on the Department's final measurements.

Removal of pavement marking shall be measured by the actual square foot of markings removed and determined by the Department's final measurements.

The length of lines to be paid shall be the actual length of lines installed under the various item of the contract. The lengths will be determined by:

1. Calculations from established base line station or
2. Calibrated measuring wheel or
3. Vehicle odometer

Broken lines shall be measured by the actual length of line installed (i.e. 15 feet of line, 25 feet of space, 15 feet of line = 30 feet of line to be paid for.)

The item bid price under the respective payment item shall include full compensation for compensation for Corundum application.

The item bid price under the respective payment item shall include full compensation for surface preparation of the roadway surface including street sweeping or other methods used to dry, clean and make free of debris, water, and contaminants.

Arrows, Symbols and Legends will be paid for at the contract unit price per each.

Delineator Post with Recessed base and cap shall be measured and paid per each, at the contract unit price, which price shall include all labor, supervision, materials, and incidentals required to furnish and install the delineator post base within the limits of work, or as directed by the Engineer.

Payment Items:

| | | |
|---------|--|-------------|
| 834.020 | Reflectorized 36" White Delineator Post With Recessed Base and Cap | Each |
| 854.200 | Pavement Marking Removal | Square Foot |
| 864.021 | Pre-formed Reflectorized 6'x3'-4" Bicycle Rider Symbol | Each |
| 864.022 | Pre-formed Reflectorized 6' Bike Lane Straight Arrow | Each |
| 864.023 | Pre-formed Reflectorized 9'-3" Bicycle Shared Lane Symbol | Each |
| 864.024 | Pre-formed Reflectorized Yield 24"X36" (CAR), | Each |
| 864.025 | Pre-formed Reflectorized Yield 12"X18" (BIKE), | Each |
| 864.026 | Pre-formed Reflectorized High Friction Surface Green | Each |
| 866.040 | 4 Inch Reflectorized White Line (Thermoplastic) | Linear Foot |
| 866.060 | 6 Inch Reflectorized White Line (Thermoplastic) | Linear Foot |
| 866.120 | 12 Inch Reflectorized White (Thermoplastic) | Linear Foot |
| 866.240 | 24 Inch Reflectorized White (Thermoplastic) | Linear Foot |
| 867.040 | 4 Inch Reflectorized Yellow Line (Thermoplastic) | Linear Foot |
| 867.120 | 12 Inch Reflectorized Yellow Line (Thermoplastic) | Linear Foot |

Bicycle Pavement Marking Specification

1. Bicycle Pavement Markings shall be Pre-formed ReflectORIZED Thermo Plastic as outlined in section 860 unless noted otherwise.
2. A bicycle rider symbol of 72" x 39" and a directional arrow of 72" x 24" spaced 72" apart shall be used as bike lane markings (Figure 1).

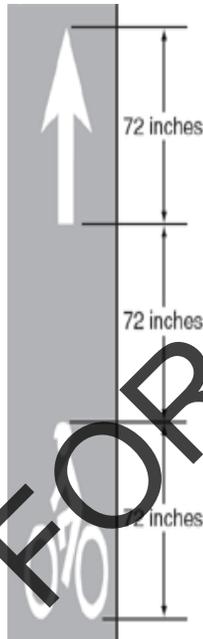


Figure 1

3. A Bicycle shared lane symbol of 111" x 39" shall be used for shared lane pavement markings (Figure 2).

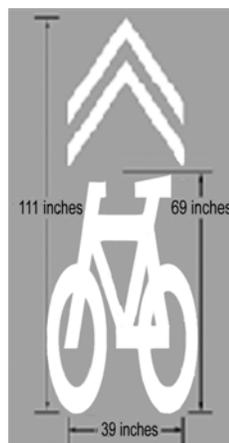
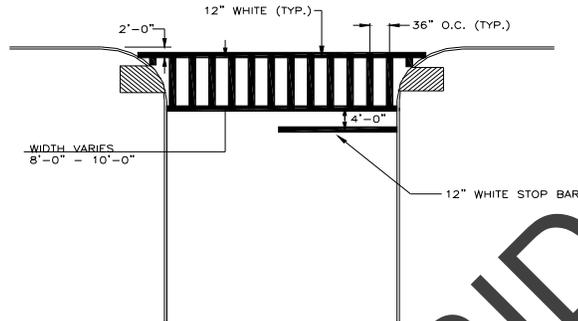


Figure 2

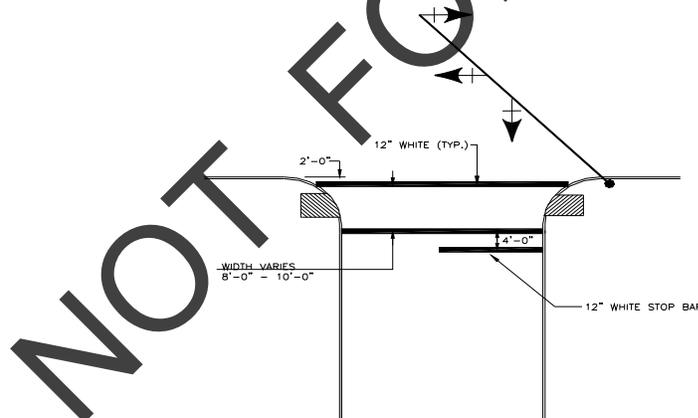
Crosswalk Layout Specification

4. Crosswalks shall consist of 12" wide solid white longitudinal lines. At non-signalized intersections the crosswalks shall have crossbars located 3'-0" O.C. within the longitudinal lines. (See Figure 1)



(Figure 1) NON SIGNALIZED INTERSECTION STRIPING DETAIL
NOT TO SCALE

5. Crosswalks at signalized intersections shall consist of 12" wide solid white longitudinal lines. (See Figure 2)



(Figure 2) SIGNALIZED INTERSECTION STRIPING DETAIL
NOT TO SCALE

6. The width of Crosswalks shall be 8'-0" on residential/local roadways, and 10'-0" on arterial/collector roadways. Crossbars shall be spaced 3'-0" O.C. There shall be a minimum of 4'-0" between crosswalk and Stop-Bar.
7. In general crosswalk pavement markings shall be parallel to the flow of traffic.

ITEM 874.2 TRAFFIC SIGN, POST & ANCHOR REMOVED, RELOCATED, AND RESET

EACH

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

CONSTRUCTION

Existing foundations shall be removed to a depth of at least 6 inches below the existing ground and the holes backfilled with gravel. The surface shall be patched with a material to match the existing ground or as directed by the Engineer.

Signs and attachment hardware shall be satisfactorily stored and protected until reset in the proposed work. Sign support anchors shall be disposed of in a satisfactory manner. New sign support post anchors will be provided by the Town.

Sign anchor posts must be installed at a minimum of 4" above finished grade and a maximum of 6" above finished grade.

Signs and attachment hardware lost, damaged or otherwise made unsuitable for reuse while being removed, transported, stored or reset shall be replaced with new material at no additional cost. New attachment hardware shall be furnished and installed as necessary to replace any missing or unusable existing hardware.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Traffic sign removed and reset will be measured for payment by the each sign post and sign anchor, completed in place.

Traffic sign, post, and anchor removed and reset will be 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, storing and resetting of the signs as designated above, installation of the new anchor posts (supplied by Town), the excavation and disposal of the existing foundation, the supplying and placing of compacted gravel backfill where foundations and posts are removed and the patching of the existing surface, but all costs in connection therewith shall be included in the Contract unit price bid.

ITEM 878. INSTALL TOWN FURNISHED GALVANIZED POST ANCHORS EACH

Work under this Section shall conform to the applicable provisions of Section 840 of the Standard Specifications and the following:

GENERAL

Work under this item includes the installation of the breakaway P5 post anchor for all traffic sign installations. The P5 anchor will be provided by the Town for the Contractor to install in the foundation. The P5 post, sign and mounting hardware will be provided and installed by Town forces. Sign locations will be coordinated with the Town prior to anchor installation.

Sign anchor posts must be installed at a minimum of 4” above finished grade and a maximum of 6” above finished grade.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Traffic sign foundation will be measured for payment by the each.

Traffic sign foundation will be 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 the excavation, concrete or installation of the sign post anchor, but all costs in connection therewith shall be included in the Contract unit price bid.

NOT FOR BID

PROPOSAL

For: **PW/21-03 Bicycle AND Pedestrian Improvements on Beacon St, Green St, and Washington St**

Town of Brookline, Massachusetts.

Location

The work referred to herein is in the Town of Brookline, County of Norfolk, Commonwealth of Massachusetts, as described in the enclosed specifications and proposal forms on file in the Engineering Division Office and extends as follows:

To the Party of the First Part:

The undersigned, as bidder, declares that the only persons or parties interested in this proposal as principals are those named herein: that this proposal is made without collusion with any other person, firm or corporation; that he has carefully examined the location of the proposed work, the Notice to Contractors, the Instruction to Bidders and all attachments referred to therein, the proposed form of contract, the "STANDARD SPECIFICATIONS" and plans therein referred to and the Special Provisions and Additions hereto annexed, and he proposes and agrees, if this proposal is accepted, that he will contract with the Party of the First Part, in the form of the contract referred to herein and to be annexed hereto, to provide all necessary machinery, tools, apparatus and other means of construction, and to do all the work and furnish all materials specified in the contract, in the manner and time therein prescribed, and according to the requirements of the Engineer as therein set forth, and that he will take in full payment therefore the following unit prices, to wit:

| Item No. | Quantity | Items with Unit Price Written in Words | Unit Price | | Amount | |
|-----------------|----------|---|------------|-------|---------|-------|
| | | | Dollars | Cents | Dollars | Cents |
| 121.1 | 29.3 | Class A Rock Excavation, @ | | | | |
| | | Per Cubic Yard | | | | |
| 129.1 | 74 | Hot Mix Asphalt Excavation, @ | | | | |
| | | Per Square Yard | | | | |
| 221.1 | 1 | Sanitary and Drainage Structure Adjusted, E.C.C., @ | | | | |
| | | Per Each | | | | |
| 381.3 | 1 | Service Box Adjusted, @ | | | | |
| | | Per Each | | | | |
| 402.1 | 60 | Dense Graded Crushed Stone, @ | | | | |
| | | Per Ton | | | | |
| CARRIED FORWARD | | | | | | |

| Item No. | Quantity | Items with Unit Price Written in Words | Unit Price | | Amount | |
|-----------------|----------|---|-----------------|-------|---------|-------|
| | | | Dollars | Cents | Dollars | Cents |
| | | | Brought Forward | | | |
| 472.0 | 8 | Hot Mix Asphalt for Miscellaneous Work, @ | | | | |
| | | Per Ton | | | | |
| 504.0 | 104 | Granite Curb Type VA-4 Straight, @ | | | | |
| | | Per Linear Foot | | | | |
| 504.1 | 22 | Granite Curb Type VA-4 Curved, @ | | | | |
| | | Per Linear Foot | | | | |
| 580.0 | 30 | Granite Curb Removed and Reset, @ | | | | |
| | | Per Linear Foot | | | | |
| 701.0 | 190 | Cement Concrete Sidewalk, @ | | | | |
| | | Per Square Yard | | | | |
| 701.2 | 50 | Cement Concrete Sidewalk at Wheelchair Ramp, @ | | | | |
| | | Per Square Yard | | | | |
| 701.3 | 90 | Cast Iron Detectable Warning Panels, @ | | | | |
| | | Per Square Foot | | | | |
| 824.010 | 1 | Install Rectangular Rapid Flash Beacon Crosswalk Systems at the Washington St at Gardner Rd Intersection (Location 1 and Location 2), @ | | | | |
| | | Per Lump Sum | | | | |
| 834.02 | 26 | Reflectorized 36" White Delineator Post With Recessed Base and Cap, @ | | | | |
| | | Per Each | | | | |
| 854.200 | 1038 | Pavement Marking Removal, @ | | | | |
| | | Per Square Foot | | | | |
| CARRIED FORWARD | | | | | | |

| Item No. | Quantity | Items with Unit Price Written in Words | Unit Price | | Amount | |
|-----------------|----------|---|-----------------|-------|---------|-------|
| | | | Dollars | Cents | Dollars | Cents |
| | | | Brought Forward | | | |
| 864.021 | 11 | Pre-formed Reflectorized 6'x4' Bicycle Rider Symbol, @ | | | | |
| | | Per Each | | | | |
| 864.022 | 11 | Pre-formed Reflectorized 6' Bike Lane Straight Arrow, @ | | | | |
| | | Per Each | | | | |
| 864.023 | 2 | Pre-formed Reflectorized 9.33' Bicycle Shared Lane Symbol, @ | | | | |
| | | Per Each | | | | |
| 864.024 | 16 | Pre-formed Reflectorized Yield 24"X36" (CAR), @ | | | | |
| | | Per Each | | | | |
| 864.025 | 8 | Pre-formed Reflectorized Yield 12"X18" (BIKE), @ | | | | |
| | | Per Each | | | | |
| 864.026 | 478 | Pre-formed Reflectorized High Friction Surface Green, @ | | | | |
| | | Per Square Foot | | | | |
| 866.040 | 3647 | 4 Inch Reflectorized White Line (Thermoplastic), @ | | | | |
| | | Per Linear Foot | | | | |
| 866.060 | 346 | 6 Inch Reflectorized White Line (Thermoplastic), @ | | | | |
| | | Per Linear Foot | | | | |
| 866.120 | 1066 | 12 Inch Reflectorized White Line (Thermoplastic) , @ | | | | |
| | | Per Linear Foot | | | | |
| 866.240 | 206 | 24 Inch Reflectorized White (Thermoplastic), @ | | | | |
| | | Per Linear Foot | | | | |
| CARRIED FORWARD | | | | | | |

| Item No. | Quantity | Items with Unit Price Written in Words | Unit Price | | Amount | |
|-----------------------------------|----------|--|-----------------|-------|---------|-------|
| | | | Dollars | Cents | Dollars | Cents |
| | | | Brought Forward | | | |
| 867.040 | 4,555 | 4 Inch Reflectorized Yellow Line (Thermoplastic), @ | | | | |
| | | Per Linear Foot | | | | |
| 867.120 | 189 | 12 Inch Reflectorized Yellow Line (Thermoplastic), @ | | | | |
| | | Per Linear Foot | | | | |
| 874.2 | 3 | Traffic Sign, Post and Anchor Removed and Reset, @ | | | | |
| | | Per Each | | | | |
| 878.0 | 2 | Install Town Furnished Galvanized Anchor, @ | | | | |
| | | Per Each | | | | |
| TOTAL BID written in Words | | | | | | |

The above prices are to include and cover the furnishing of all materials (except as herein otherwise specified), the performing of all the labor requisite or proper, the providing of all necessary machinery, tools, apparatus and other means of construction; and the doing of all the above-mentioned work in the manner set forth, described and shown in the specifications and on the drawings for the work, and in the form of contract, and the completion thereof on or before **75 Days** after receiving notice to proceed.

If this proposal shall be accepted and the undersigned shall fail to contract as aforesaid and to give a bond in the sum to be determined as aforesaid with surety satisfactory to the Party of the First Part, within six (6) business days from the date of the mailing of a notice from the Party of the First Part to him, according to the address herewith given, that the contract is ready for signature, the Party of the First Part may, at its option, determine that the bidder has abandoned the contract, and thereupon this proposal, and the acceptance thereof shall be null and void, and the proposal guaranty submitted covering this proposal shall become the property of the Town of Brookline, otherwise the said proposal guaranty shall be returned to the undersigned.

The bidder hereby certifies he shall comply with the minority manpower ratio and specific action steps contained in the appendix EEO attached hereto, including compliance with the minority contractor compliance specified in Section V of said appendix. The contractor receiving the award of the contract shall be required to obtain from each of its subcontractors and submit to the contracting or administering agency prior to the performance of any work under said contract a certification by said subcontractor, regardless of tier, that it will comply with the minority manpower ratio and specific affirmative action steps contained in the appendix EEO.

Full name and address of individual or concern submitting this bid:

Signed _____

Title _____

NOTICE: Bid should be signed in ink by a person having proper legal authority, and the person's title should be given, such as "owner" in the case of an individual, "partner" in the case of a general partnership, "president", "treasurer", or other authorized officer in the case of a corporation.

If bidder is a corporation, give the State in which incorporated:

If bid is submitted by joint venturers, this should be stated here:

_____ ; and if any of the joint venturers is a corporation, an attested copy of the vote of the corporation authorizing the joint venture should be attached hereto.

The proposed surety on the bond to be given is:

Name

Home Office Address

Massachusetts Address (if different)

CERTIFICATE OF VOTE

I, _____, Clerk of _____, hereby certify

that, at a meeting of the Board of Directors of said Corporation duly held on

_____, 2020, at which a quorum was present and voting throughout, the following vote was duly passed and is now in full force and effect:

"VOTED: That _____ be and he (Name of Officer authorized to sign for Corporation)

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

obligation by such _____ to be valid and binding (Name of Officer)

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

I further certify that _____ (Name of Officer)

is the duly elected _____ of said Corporation. (Title)

Signed _____ (Clerk - Secretary)

Place of Business

Date of Contract

Affix Corporate Seal

* Countersignature (Name and Title)

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

AFFIDAVIT

State of _____) Date _____ 2020
) ss.:
County of _____)

The undersigned being duly sworn, deposes and says that he is the

(sole owner; partner; president, treasurer, or other duly authorized official of a corporation)

of _____, for Contract
(name of bidder as appearing in submitted proposal)

Number **PW/21-03** for: **“Bicycle and Pedestrian Improvements on Beacon St, Green St and Washington ST”**

in the Town of Brookline on _____ the undersigned certifies under
(date bids were opened)

the penalties of perjury that this bid is in all respects, bona fide, fair and made without collusion or fraud with any other person. As used in this paragraph the word “person” shall mean any natural person, joint venture, partnership, corporation or other business or legal entity.

(name of person signing bid)

(name of Company)

Affix Corporate Seal

Sworn to before me this _____ day of _____ 2020

Notary Public

My Commission expires _____

Affix Notary Seal

STATEMENT OF BIDDER'S QUALIFICATIONS

All information requested below must be submitted. Answers must be clear and comprehensive. Questions should be answered on separate attached sheets. The bidder may submit any additional information he desires.

- 1.0 How many years have you been engaged in the contracting business under your present firm or trade name?

- 2.0 Contracts on hand: List each of them, showing the gross amount of each contract and the appropriate anticipated dates of completion. Give the name and address of the client and the name of the person supervising the client.

- 3.0 List the Municipal, State and Private contracts you have been awarded in the past five years, stating the approximate cost for each, and the month and year completed. Give the name and address of the client and the name of the person supervising for the client. (Contractor must have five years' experience in Municipal work of similar nature.)

- 4.0 List your major equipment that is available for this contract.

- 5.0 List subcontractor(s) you expect to use on this contract and the dollar value of work.

- 6.0 Bonding capacity of your company.

NOT FOR BID

IF BID IS BY A CORPORATION FILL IN INFORMATION BELOW

Contractor

Address

City or Town State Zip

Treasury Reporting Number

Telephone Number

President

Vice-President

Home Address

Home Address

City or Town State Zip

City or Town State Zip

Social Security Number

Social Security Number

Home Telephone Number

Home Telephone Number

Treasurer

Clerk

Home Address

Home Address

City or Town State Zip

City or Town State Zip

Social Security Number

Social Security Number

Home Telephone Number

Home Telephone Number

NOT FOR BID

IF BID IS BY AN INDIVIDUAL FILL IN INFORMATION BELOW

Contractor

Address

City or Town State Zip

Social Security Number

Home Telephone Number

Firm Telephone Number

NOT FOR BID

TOWN OF BROOKLINE

MASSACHUSETTS

CONTRACT

CLAUSE 1 - This agreement, made this _____ day of _____ in the year two thousand and eighteen, between the Town of Brookline by its Selectmen, acting on behalf of said Town, and not individually, and without incurring any individual liability thereby, hereinafter called the Town as party of the first part and _____ party of the second part, hereinafter called the Contractor.

CLAUSE 2 - WITNESSETH, That the parties to this agreement, each in consideration of the agreements on the part of the other herein contained, do hereby agree, the Town of Brookline for itself and said Contractor for itself and its successors and assigns, as follows:

The Contractor agrees to furnish all equipment, machinery tools and labor, to furnish and deliver all materials required to be furnished and delivered in and about the improvement and to do and perform all work in Contract No. **PW/21-03 BICYCLE AND PEDESTRIAN IMPROVEMENTS ON BEACON ST, GREEN ST, AND WASHINGTON ST** in strict conformity with the provisions herein contained and in the Notice to Contractors, Instruction to Bidders, Special Provisions and Additions hereto attached and the "STANDARD SPECIFICATIONS" on file at the office of the Commissioner of Public Works in Brookline and with the plans referred to therein.

The "STANDARD SPECIFICATIONS" herein referred to shall consist of the following documents as modified by the said Instruction to Bidders, including Amendments to Division II (Construction Details), Amendments to Division III (Materials Specifications) and Special Provisions and Supplementary Specifications attached hereto:

1. The 1988 edition of STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES of the Commonwealth of Massachusetts, Department of Public Works and;
2. AMENDMENTS AND SUPPLEMENTAL SPECIFICATIONS to the said STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES in effect on date project was advertised.

All said plans, the said "STANDARD SPECIFICATIONS", the said Instruction to Bidders, Amendments to Division II (Construction Details), Amendments to Division III (Materials Specifications), Proposal, Special Provisions and Supplementary Specifications are hereby specifically made a part of this contract as fully and to the same effect as if the same had been set forth at length herein.

CLAUSE 3 - In consideration of the foregoing premises, the Town agrees to pay and the Contractor agrees to receive as full compensation for all work required but not shown on the plans for the items herein mentioned, and also for all loss or damage arising out of the nature of

the work aforesaid, or from the action of the elements (except as excluded in Subsection 7.18) or from any delay (see Subsection 8.04) or from any unforeseen obstruction or difficulty encountered in the prosecution of the work, and for all risks of every description connected with the work, and for all expenses incurred by or in consequence of the suspension or discontinuance of the work herein specified, and for well and faithfully completing the work, and the whole thereof, as herein provided, such unit process as are set out in the accompanying Proposal, and for all work required, for which there is no item in the Proposal, such compensation as is provided for in the aforesaid "STANDARD SPECIFICATION".

In witness whereof, the said Contractor has caused these presents to be signed and its corporate seal to be hereto affixed by

_____ its _____

thereto duly authorized, and the said Town executed these presents by its Board of Selectmen, acting for said Town, and not individually, and without incurring any individual liability, on the year and day above written.

Town of Brookline

By _____

Board of Selectmen

By _____

Contractor

Seal

Approved as to Form:

Certified in accordance with
Chapter 44, Section 31C and
based upon Engineering estimates

Town Counsel

Comptroller

PERFORMANCE BOND

Know all persons by these presents, that _____ as principal, and _____ as surety, are held and firmly bound unto the Town of Brookline, Massachusetts in the sum of _____ in lawful money of the United States of America, to be paid to the Town of Brookline, Massachusetts, for which payments, well and truly to be made, we bind ourselves, our respective heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

Whereas the said principal has made a Contract with the Town of Brookline, acting through its Board of Selectman (“Awarding Authority”), bearing the date of _____, 2020 for the construction of Contract No.: PW/21-03 Project Name: BICYCLE AND PEDESTRIAN IMPROVEMENTS ON BEACON ST, GREEN ST, AND WASHINGTON ST.

Now the condition of this obligation is such that if the principal shall well and truly keep and perform all the undertakings, covenants, agreements, terms and conditions of said Contract and any extensions thereof that may be granted by the Town of Brookline, with or without notice to the surety, and during the life of any guarantee required under the Contract, and shall also well and truly keep and perform all the undertakings, covenants, agreements, terms and conditions of any and all duly authorized modifications, alterations, changes or additions to said Contract that may hereafter be made, notice to the surety of such modifications, alterations, changes or additions being hereby waived, then this obligation shall become null and void; otherwise it shall remain in full force and effect.

In the event that the Contract is abandoned by the Contractor, or is terminated by the Town of Brookline under the provisions of said Contract, said surety shall, if requested in writing by the Town of Brookline, take such action as is necessary to complete the Contract.

In witness whereof we hereunto set our hand and seals this _____ day of _____, 2020.

(Print Name of General Contractor) (Seal)

(Print Name of Surety) (Seal)

BY _____
(Signature- Title)

BY _____
(Signature- Title)

Surety Address _____

PAYMENT BOND

Know all persons by these presents, that _____ as principal, and _____ as surety, are held and firmly bound unto the Town of Brookline, Massachusetts in the sum of _____ in lawful money of the United States of America, to be paid to the Town of Brookline, Massachusetts, for which payments, well and truly made, we bind ourselves, our respective heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

Whereas the said principal has made a Contract with the Town of Brookline, acting through its Board of Selectman ("Awarding Authority"), bearing the date of _____, 2020 for the construction of Project No.: PW/21-03, Contract No.: PW/20-10 Project Name: BICYCLE AND PEDESTRIAN IMPROVEMENTS ON BEACON ST, GREEN ST, AND WASHINGTON ST.

Now the condition of this obligation is such that if the principal shall pay for all labor performed or furnished and for all materials used or employed in said Contract and in any and all duly authorized modifications, alterations, extensions of time, changes or additions to said Contract that may hereafter be made, notice to the surety of such modifications, alterations, extensions of time, changes or additions being hereby waived, the foregoing to include any other purpose or items set out in, and to be subject to, provisions of Massachusetts General laws Chapter 30 section 39A, and Chapter 149, section 29, as amended, then this obligation shall become null and void; otherwise it shall remain in full force and effect.

In witness whereof we hereunto set our hand and seals this _____ day of _____, 2020.

(Print Name of General Contractor) (Seal)

BY _____
(Signature- Title)

(Print Name of Surety) (Seal)

BY _____
(Signature- Title)

Surety Address _____

STATE TAX CERTIFICATE

Pursuant to M.G.L. Ch. 62C, sec. 49A, I certify under the penalties of perjury that I, to the best of my knowledge and belief, have filed all state tax returns and paid all state taxes required under law.

NOT FOR BID

Social Security Number*
or Federal Identification Number*

Signature of Individual or
Corporate Name

by: _____
Corporate Officer
(If applicable)

* Submission of a Social Security Number or a Federal Identification Number is voluntary.