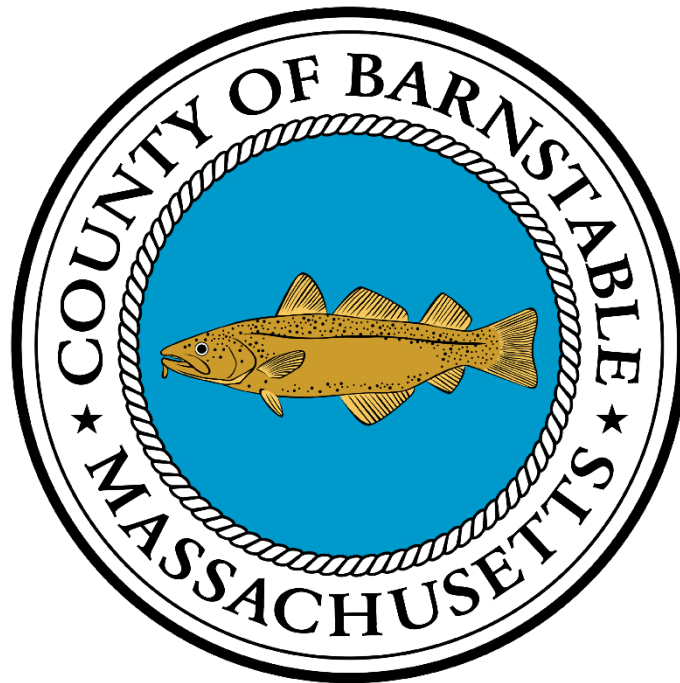


Barnstable County Purchasing Department



INVITATION FOR BID

Miscellaneous Public Works & Roadway Materials (REBID)

IFB #: 7925

Date: February 3, 2021

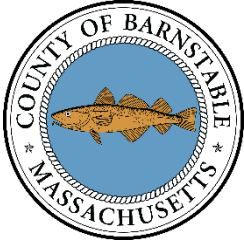
Barnstable County

Bid No. 7925

Miscellaneous Public Works & Roadway Materials (REBID)

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COUNTY OF BARNSTABLE
PURCHASING
DEPARTMENT OF FINANCE

Jennifer Frates
Chief Procurement Officer
Phone: (508) 375-6637
Fax: (508) 362-4136
Jennifer.frates@barnstablecounty.org

Advertisement

Barnstable County invites sealed bids on for **Miscellaneous Public Works & Roadway Materials (REBID) per Bid No.7925**

The bid documents may be obtained electronically online at <https://barnstablecounty.bonfirehub.com> where they are publicly available as of **Wednesday, February 3, 2021 at 8:00AM.**

Proposals are due Thursday, February 18, 2021 at 11:00AM. THIS PROJECT IS BEING ELECTRONICALLY BID AND HARD COPY BIDS WILL NOT BE ACCEPTED. It is the bidder's sole responsibility to familiarize themselves with the Bonfire Online Bid Submission Platform and the online bid submission process and requirements.

The County of Barnstable reserves the right to accept or reject any or all bids, to waive any informality contained therein, and to award the contract as decided to be in the best interest of the County.

All submissions for this project are subject to the provisions of Massachusetts General Laws, Chapter 30, 39M. Prevailing wages apply, where applicable. MassDOT Prequalification will be required on some items.

The County of Barnstable fully complies with federal, state, and local laws and directives governing equal opportunity, affirmative action and non-discrimination in all county activities and actively solicits bids/proposals from MBE/WBE businesses in accordance with County policy.

Jennifer Frates
Chief Procurement Officer



Submission Instructions for Suppliers

Please follow these instructions to submit via our Public Portal.

1. Prepare your submission materials:

Requested Information

Name	Type	# Files	Requirement	Instructions
Signed Form for General Bid	File Type: PDF (.pdf)	1	Required	
Bid Bond 5%	File Type: PDF (.pdf)	1	Required	
REBID Miscellaneous Public Works & Roadway Materials (BT-01AB)	BidTable: Excel (.xlsx)	1	Required	You will need to fill out the provided Response Template for this BidTable. The Response Template can be downloaded from the project listing on the Bonfire portal.
List of Subcontractors	File Type: PDF (.pdf)	1	Optional	
For Item 200 ONLY - Please provide distance from the Town DPW	Data Type: Number	N/A	Required	



Commodity Codes

Commodity Set	Commodity Code	Title	Description
UNSPSC	3012	Roads and landscape	
UNSPSC	301215	Bituminous derivatives	
UNSPSC	301216	Asphalts	
UNSPSC	301217	Road and railroad construction materials	

Requested Documents:

Please note the type and number of files allowed. The maximum upload file size is 1000 MB.

Please do not embed any documents within your uploaded files, as they will not be accessible or evaluated.

Requested Data:

Please note that text fields have a limit of 2000 characters. We recommend you prepare your responses in advance to ensure they fit within the length restrictions. Learn more about Requested Data at the [Bonfire Help Center](#).

Requested BidTables:

The BidTable Response Templates can be obtained at <https://barnstablecounty.bonfirehub.com/opportunities/37774>.

Please note that BidTables may take a significant amount of time to prepare.



2. Upload your submission at:

<https://barnstablecounty.bonfirehub.com/opportunities/37774>

The Q&A period for this opportunity starts Feb 03, 2021 8:00 AM EST. The Q&A period for this opportunity ends Feb 12, 2021 5:00 PM EST. You will not be able to send messages after this time.

Your submission must be uploaded, submitted, and finalized prior to the Closing Time of **Feb 18, 2021 11:00 AM EST**. We strongly recommend that you give yourself sufficient time and **at least ONE (1) day** before Closing Time to begin the uploading process and to finalize your submission.

Important Notes:

Each item of Requested Information will only be visible after the Closing Time.

Uploading large documents may take significant time, depending on the size of the file(s) and your Internet connection speed.

You will receive an email confirmation receipt with a unique confirmation number once you finalize your submission.

Minimum system requirements: Internet Explorer 11, Microsoft Edge, Google Chrome, or Mozilla Firefox. Javascript must be enabled. Browser cookies must be enabled.

Need Help?

Barnstable County, MA uses a Bonfire portal for accepting and evaluating proposals digitally. Please contact Bonfire at Support@GoBonfire.com for technical questions related to your submission. You can also visit their help forum at <https://bonfirehub.zendesk.com/hc>

NOTICE TO BIDDERS

1. Project Description/Scope of Work
2. Examination of Site & Documents
3. Sub-Contractors
4. Fair Employment Practices
5. Substitute Material and Equipment
6. Pre-Bid Meeting
7. Bid Response Instructions
8. Required Bid Response Date
9. Bid Security
10. Bid Signature
11. Official Date and Time
12. Time for Bid Acceptance
13. Modification or Withdrawal of Bids, Mistakes, and Minor Informalities
14. Bid Prices to Remain Firm
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22. Contractor Compliance
23. Public Record Request
24. Bid Evaluation Process
25. Vendor Self Service (VSS) – Online Supplier Portal

IFB# 7925

Miscellaneous Public Works & Roadway Materials

Barnstable County on behalf of the Towns in the County requests bids from qualified contractors for Miscellaneous Public Works and Roadway Materials.

1. Project Description/Scope of Work

Bidders are to submit responses based upon the item specifications as outlined within "Special Provisions" All pricing should be inclusive all cost associated with providing services as specified.

ALL BIDS FOR THIS PROJECT ARE SUBJECT TO THE PROVISIONS OF MASS. GENERAL LAW CHAPTER 149 SECTION 44A-44J AS AMENDED.

The General Contractor shall provide all labor, materials, environmental notifications and permits, transportation and equipment required.

The Towns will require a Payment Bond in the amount of Fifty Percent (50%) on a project by project basis for any project over \$25,000.

2. Examination of Site and Documents

Before submitting a Bid, each Bidder must (a) examine the Contract Documents thoroughly, (b) visit the Towns or location to familiarize themselves with local conditions that may in any manner affect cost, progress or performance of the Work, (c) familiarize himself with federal, state and local laws, by laws, rules and regulations that may in any manner affect cost, progress or performance of the Work; and (d) study and carefully correlate Bidder's observations with the Contract Documents.

The submission of a Bid will constitute an incontrovertible representation by the Bidder that they have complied with every requirement of this Article and that the Contract Documents are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for performance of the Work.

3. Sub Contractors

If the General Conditions require the identity of certain Subcontractors and other persons and organizations to be submitted in advance of the Notice of Award, the apparent Successful Bidder, and any other Bidder so requested, will within seven days after the day of the Bid opening submit a list of all Subcontractors and other persons and organizations (including those who are to furnish the principal items of material and equipment) proposed for those portions of the Work as to which such identification is so required. Such list shall be accompanied by an experience statement with pertinent information as to similar projects and other evidence of qualification for each such Subcontractor, person and organization if requested. If, after due investigation, reasonable objection exists to any proposed Subcontractor, other person or organization, the apparent Successful Bidder will be requested to submit an acceptable substitute without an increase in Bid price.

If the apparent Successful Bidder declines to make any such substitution, the Contract shall not be awarded to such Bidder. Any Subcontractor, other person or organization so listed and for whom the County has no written objection is submitted prior to the giving of the Notice of Award will be deemed acceptable.

No Contractor shall be required to employ any Subcontractor, other person or organization against whom they has reasonable objection.

4. Fair Employment Practices.

During the performance of this project, the Bidder and all of their Subcontractors, for themselves , their assignees, and successors in interest, agree as follows: The Bidder, in the performance of all work during, after and prior to completion of work under this Agreement, 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. (Fair Employment Practices law of the Commonwealth M.G.L. Chapter 151B.) The Bidder by signing this Agreement agrees to abide by the above paragraph to the best of their ability.

5. Substitute Material and Equipment.

The Contract, if awarded, will be on the basis of material and equipment described/specified in the Contract Specifications. Whenever it is indicated in the Contract Specifications that a substitute or "approved equivalent" item of material or equipment may be furnished or used by Contractor if acceptable, application for such acceptance will not be considered by the County until after the "effective date of the Agreement".

6. Pre-Bid Meeting

A pre-bid meeting has not been scheduled for this IFB.

7. Bid Response Instructions

All bid responses will be received online prior to the date and time specified below for the project titled **IFB # 7925: Miscellaneous Public Works & Roadway Materials** to the Bonfire Online Bidding Tool which can be accessed online at <https://barnstablecounty.bonfirehub.com> All required documents must be submitted in the format specified, all fields must be completed as specified and the documents must be submitted to the correct project folder in order for the bid response to be complete. ***Hard copy bid responses will not be accepted.*** It is the bidder's sole responsibility to familiarize themselves with the Bonfire Online Bid Submission Platform and the online bid submission process and requirements.

8. Required Bid Response Date

Vendors who wish to be considered for this project should submit their bids per the instructions above to the County prior to the date and time specified below.

Bids are due on or before **11:00 AM on February 18, 2021**. No late bids will be accepted.

9. Bid Security

Bid Security shall be made payable to the County in an amount of five percent (5%) of the Bidder's maximum Bid price and in the form of a Bid Bond.

The Bid Security of the Successful Bidder will be retained until such Bidder has executed the Agreement and furnished the required Contract Security (Payment & Performance Bonds, when required) and Insurance

Binders, where upon it will be returned; if the Successful Bidder fails to execute and deliver the Agreement and furnish the required documents within five (5) working days of the Notice of Award, the County may annul the Notice of Award and the Bid Security of that Bidder will be forfeited. The Bid Security of any Bidder whom the County believes to have a reasonable chance of receiving the award may be retained by the County until the earlier of the seventh (7th) day after the "effective date of the Agreement" (which term is defined in the General Conditions) by the County to Contractor and the required Contract Security is furnished or the sixty first (61st) day after the Bid opening. Bid Security of other Bidders will be returned within seven (7) days of the Bid opening.

10. Bid Signature

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

11. Official Date & Time

A bid will not be considered delivered unless the bid has been received online by the Bonfire Online Bidding Tool (in the correct project) which can be accessed at <https://barnstablecounty.bonfirehub.com> prior to the date and time specified in the documents. The official date and time shall be the date and time shown online at <https://barnstablecounty.bonfirehub.com>

12. Time for Bid Acceptance

The contract will be awarded within 60 days after the bid opening.

13. Modification or Withdrawal of Bids, Mistakes, and Minor Informalities

Any bids may be withdrawn or modified prior to the date and time stated in the bid for the opening of bids. Such withdrawal or modification must be done by the bidder online through the Bonfire Online Bidding Tool.

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

If this bid is received electronically, Bidders are solely responsible for obtaining and completing required attachments that are identified in this bid and for checking for any addenda or modifications that are subsequently made to this bid or attachments. Barnstable County accepts no liability and will provide no accommodation to Bidders who fail to check for amended bids and submit inadequate or incorrect responses.

Bidders may not alter (manually or electronically) the bid language or any bid documents. Unauthorized modifications to the body of the bid, specifications, terms or conditions, or which change the intent of this bid are prohibited and may disqualify a response.

14. Bid Prices to Remain Firm

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

15. Questions and County POC

Any clarification of requirements or requests for additional information by bidders must be made in writing to the Bonfire Opportunity Q&A and submitted no later than **February 12, 2021 @ 5:00PM** E.S.T. to <https://barnstablecounty.bonfirehub.com> Answers to all questions will be made in writing and posted online as an addendum to the **IFB# 7925: Miscellaneous Public Works** on the bid website as an attachment under the bid information: <https://barnstablecounty.bonfirehub.com>. Only questions answered by formal written Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

16. Changes & Addenda

For any RFP document and any addenda that are received electronically, it is the responsibility of every Bidder who receives this RFP and all associated documents to check this website for any addenda. Barnstable County accepts no liability to provide accommodation to Bidders who submit a response based upon information obtained from its website. Bidders may not alter (manually or electronically) the bid language or any bid documents.

17. Wages

All bids for this project are subject to the provisions of either or both Mass. G. L., Chapter 30, Section 39M as amended and/or Mass. G. L. Chapter 149, Section 44A - 44J inclusive as amended. Attention is directed to the minimum wage rates to be paid on the work as determined by the Commissioner of Labor and Industries under the provisions of Mass. G. L. Chapter 149, Section 26 - 27D inclusive. The Awarding Authority reserves the right to waive any informality in or to reject any and all bids if the Awarding Authority determines it is in the public interest so to do.

Please note prevailing wages only apply to materials for Miscellaneous Public Works Item numbers 100 – 126

18. Reference to General Laws

Whenever in the bid, contract, plans, drawings or specifications, reference is made to General Laws it shall be construed to include all amendments thereto effective as of the date of issue of invitation to bid on the proposed work.

19. Cost of Preparation

The cost of preparation and delivery of the bids will be borne solely by the Vendor.

20. County Tax Exemption

Any material furnished to Barnstable County is to be exempt from Massachusetts Sales Tax (Massachusetts Sales Tax Exemption No. E-04-6001419).

21. Political Activity Prohibited, Anti-Boycott Warranty

The Contractor may not use any Contract funds and none of the services to be provided by the Contractor may be used for any partisan political activity or to further the election or defeat of any candidate for public office. During the term of this Contract, neither the Contractor nor any controlled group, within the meaning of s.993 (a) (3) of the Internal Revenue Code, as amended, shall participate in or cooperate with any international boycott, as defined in s.999 (b) (3) and (4) of the Internal Revenue Code of 1954, as amended; nor shall either engage in conduct declared to be unlawful by M.G.L. c.151Es.2.

22. Contractor Compliance

The successful Contractor must comply with provisions of The Copeland Anti-Kickback Act (18 USC 874) as supplemented in Department of Labor 29 CFR Part 3, the Davis-Bacon Act (40 USC 276a et.seq.), Sections 103 and 107 of the contract Work Hours and Safety Standard Act (50 USC 327-330) as supplemented by Department of Labor Regulation 29 CFR Part 5, and the Clean Air Act of 1970 (42 USC 1857, et.seq.) to the extent that they are applicable.

23. Public Record Request

All bids received are subject to Massachusetts General Laws Chapter 4, Section 7, Section 26 and Chapter 66, Section 10 regarding public access to such documents. Statements or endorsements inconsistent with those statues will be disregarded.

24. Selection and Notice

The awarding authority may cancel an invitation for bids, a request for bids, or other solicitation, or may reject in whole or in part any and all bids or bids when the awarding authority determines that cancellation or rejection serves the best interests of the County of Barnstable.

Basis for Acceptance:

Any bid made will be accepted only on the basis that the Bidder represents that it is made in good faith without fraud, collusion or connection of any kind with any other Bidder for the same work; that the Bidder is competing solely in its own behalf without connection with, or obligation to, any undisclosed person, firm or corporation; that no other person, firm or corporation has any interest in the contract; that no officer, agent or employee of the County is financially interested in the contract; that the Bidder is fully informed in regard to all provisions of the Contract Documents, including, without limitation, the specifications and drawings, if any; the damages, bonds and insurance, if any. The awarding of the contract is subject to the approval of the Barnstable County Commissioners.

Rule for Award:

Bid selection will be by each item and will be based on the lowest, qualified, responsible, and responsive bid for each item for each Town.

Contract Award:

The Chief Procurement Officer shall award the contract by written notice to the selected Bidder(s) within 60 days of the IFB deadline. The parties may extend the time for acceptance by mutual

agreement. In accordance with M.G.L. c.30B, the awarding of the contract is subject to the approval of the Barnstable County Commissioners.

25. Vendor Self Service (VSS) – Online Supplier Portal

For Vendors doing business with the Departments within the County Regional Government, Vendor Self Service (VSS) is available to enter and maintain contact and remittance information, discount and payment terms, designated contact persons, view current and prior 1099 data, purchase orders, invoices and checks.

Vendors are encouraged to visit: <https://mss.barnstablecounty.org/MSS/> to register and click Vendor Self Service. Instructions are available on the landing page to help with the registration.

If you have done business with the County before, please be sure to have your vendor number and register as an existing vendor.

If you need your login information or have general questions, please email accounts.payable@barnstablecounty.org, purchasing questions, please email purchasing@barnstablecounty.org and banking information questions, please email treasury@barnstablecounty.org

Registration process takes 1-5 business days to finalize upon receipt of a completed, correct and signed W-9. For a blank W-9 form, visit IRS Website for the most recent version.

END OF IFB

GENERAL BID FORM

FORM FOR GENERAL BID

The undersigned also hereby certify under the penalties of perjury that they are the only persons interested in this proposal; that it is made without any connection with any other person making any bid for the same work; that no person acting for, or employed by, Barnstable County is directly or indirectly interested in this proposal, or in any contract which be made under it, or in expected profits to arise therefrom; and without directly or indirectly influencing or attempting to influence any other person or corporation to bid or to refrain from bidding or to influence the amount of the bid of any other person or corporation; and that this proposal is made in good faith without collusion or connection with any other person bidding for the same work; and that this proposal is made with distinct reference and relation to the plans and specifications prepared for this contract and herein mentioned. The undersigned further declare that in regard to the conditions affecting the work to be done and the labor and materials needed, this proposal is based solely on their own investigation and research and not in reliance upon any representation of any employee, officer or agent of Barnstable County.

Any proposals may be withdrawn or modified prior to the date and time stated in the proposal for the opening of proposals. Such withdrawal or modification must be done by the bidder online through the Bonfire Online Bidding Tool.

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

If this bid is received electronically, bidders are solely responsible for obtaining and completing required attachments that are identified in this bid and for checking for any addenda or modifications that are subsequently made to this bid or attachments. Barnstable County accepts no liability and will provide no accommodation to bidders who fail to check for amended bids and submit inadequate or incorrect responses.

Bidders may not alter (manually or electronically) the bid language or any bid documents. Unauthorized modifications to the body of the bid, specifications, terms or conditions, or which change the intent of this bid are prohibited and may disqualify a response.

Name of General Bidder: _____

PROJECT NO. 7925

Each Town has provided estimated quantities for each bid item that it presently intends to order. These estimated quantities are for bid purposes only and cannot be guaranteed. The estimated amounts are also a total aggregate which the town intends to use during the contract period and the bidder should familiarize themselves with the minimum job quantities defined in the individual specifications for each item.

THIS BID IS SUBMITTED TO:

(Name and Address of Owner) Office of the County Commissioners
Superior Court House
P.O. Box 427
Barnstable, Massachusetts 02630

- A. The undersigned proposes to furnish all labor and materials required for **IFB # 7925: Miscellaneous Public Works & Road Way Materials** in accordance with the accompanying plans and specifications by Barnstable County.
- B. The undersigned BIDDER proposes and agrees, if the Bid is accepted to enter into an Agreement with the County, to complete all Work as specified or indicated in the Contract Documents for the Contract Unit Prices during the contract period of April 1, 2021 to March 31, 2022.
- C. In submitting this Bid, BIDDER represents, as more fully set forth in the Agreement, that the BIDDER has examined copies of all the Contract Documents and of the following addenda:

Bidder acknowledges addenda numbered _____
- D. Bidders are to complete the Bid Table provided in the Bonfire Online Bidding Tool.
- E. Bid comparison will be based on each item unit price provided for each Town. Bidders may bid on any or all items for any or all Towns listed. Bid selection will be by each item by Town and will be based on the lowest, qualified, responsible, and responsive bid for each item for each Town.
- F. It is the intent to award a contract to the two (2) lowest, qualified, responsible, and responsive bidders for Bid Items 115 to 122.

The undersigned BIDDER proposes and agrees, if the Bid is accepted to enter into an Agreement with the County, to complete all Work as specified or indicated in the Contract Documents.

BIDDER accepts all of the terms and conditions of the Notice to Bidders. This Bid will remain open for sixty (60) days after the day of Bid opening. BIDDER will sign the Agreement and submit other documents (e.g. Bonds, Insurance Binders) required by the Contract Documents within five (5) working days after the date of the County's Notice of Award.

BIDDER will complete all the Work assigned for the lump sum price listed in the Bid Form.

Bid selected will be awarded to the qualified, responsive and responsible Bidder, offering the lowest price.

The undersigned also certifies` that they are able to furnish labor that can work in harmony with all other elements of labor employed or to be employed in the work; and, that all employees at the worksite will have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee.

The undersigned further certifies under the penalties of perjury that this bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this subsection the word "person" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity. The undersigned further certifies under penalty of perjury that the said undersigned is not presently debarred from doing public construction work in the Commonwealth under the provisions of section twenty-nine F of chapter twenty-nine, or any other applicable debarment provisions of any other chapter of the General Laws or any rule or regulation promulgated there under.

Should the notice to contractors, bid form, contract, plans or specifications require submission of special data to accompany the bid, the Awarding Authority reserves the right to rule the bidders failure to submit such data an informality and to receive said data subsequently, within a reasonable time as set by the Awarding Authority.

Project No. 7925

Date_____

(Name of General Bidder)

By_____
(Name of Person Signing Bid and Title)

The following information is furnished by the bidder for the information of the County.

If a Corporation:

Incorporated in what State _____

President _____ Treasurer _____

Secretary _____

If a foreign corporation, are you registered to do business in Mass.? Yes _____ No _____

If selected for this work you are required under Mass. G.L. C30 S39L to obtain from the Secretary of State, Foreign Corp. Section, State House, Boston, a certificate stating that your corporation is registered: and furnish said certificate to the awarding authority prior to the award.

If a Partnership: (Name all partners)

Name of partner _____ Residence _____

Name of partner _____ Residence _____

If an Individual:

Name _____ Residence _____

If an Individual doing business under a firm name:

Name of firm _____

Business Address _____

Name of Individual _____ Residence _____

BARNSTABLE COUNTY

This agreement, made this _____ day of _____ 20____ between Barnstable County hereinafter called the County, and _____ a corporation, partnership, individual organized under the laws of the state of _____ and having a usual place of business in _____ in the county of _____ hereinafter called the Contractor.

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 County

_____ (authorized agent of general Contractor)
for _____ (general Contractor) and
_____ heirs, executors, administrators, successors assigns, as follows:

**General Conditions
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ARTICLE 5 – UNIT PRICE WORK

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ARTICLE 7 – PAYMENT BONDS

ARTICLE 8 – EFFECTIVE DATE

ARTICLE 9 – CHANGES IN THE WORK

ARTICLE 10 – ENGINEER

ARTICLE 11 – WAGE RATES

ARTICLE 12 – TERMINATION OF CONTRACT

ARTICLE 13 – MISCELLANEOUS

ARTICLE I - DEFINITIONS OF TERMS

1. County means the County of Barnstable, MA through the County Commissioners.
2. Successful Bidder means the lowest, qualified, responsible, and responsive Bidder to whom the County makes an award.
3. Owner means the following entities/municipalities participating in this contract in Massachusetts: Barnstable, Bourne, Brewster, Chatham, Dennis, Eastham, Harwich, Orleans, Provincetown, Sandwich, Wellfleet and Yarmouth.
4. Town means the individual town identified in the "Owner"
5. Designer, Architect, Engineer or any pronoun or phrase in place thereof: For this contract the Towns will assume this responsibility. Designer(s) shall perform the duties and exercise the rights herein conferred. In the case of death, resignation, inability or refusal of said Designer to act, or the termination of his employment, the County may appoint another person as Designer of which notice shall be given in writing to the Contractor, which person shall perform all the duties and exercise all the rights of the Designer hereunder.
6. Contractor or General Contractor or a pronoun in place of it: the party or parties Contracting to perform the work covered by this Contract or the legal representatives of said party or parties.
7. Superintendent or Construction Supervisor or a pronoun in place of it: the competent, responsible employee regularly employed by the Contractor and designated to be in full time attendance at the project site throughout the prosecution and progress of the work and who shall have complete authority to act for the Contractor.
8. As Directed, As Permitted, As Required, As Determined or words of like effect: the direction, permission, requirement or determination of the Designer. Similarly, approved, acceptable, satisfactory or words of like import shall mean approved by or acceptable or satisfactory to the Designer, except as may be otherwise determined by the Director.
9. Or equal or words of like import: equal in the opinion of the Designer except as may be otherwise determined by the County pursuant to the provisions of G.L. Chapter 30, section 39M.
10. Contract Documents or Contract: the Notice to Contractors, Information to Bidders, Form of General Bid, Contract, General Conditions, Specifications and Plans and all addenda issued during the bidding period, change orders and policies and procedures of the County attached hereto or referred to, all of which constitute one instrument.
11. Mass State Building Code: all applicable rules and regulations to which the County is subject and which are contained in the code authorized by Chapter 802 of the Acts of 1972 including all amendments thereto.
12. Plan(s): drawing(s).

13. Change Order: a written order not requiring the consent of the Contractor, signed by the Awarding Authority or the Director and designated as an approved change order, directing the Contractor to make changes in the work within the general scope of the Contract, or, any written or oral order from the Awarding Authority or the Director which causes any change in the work, provided that the Contractor gives the County written notice stating the date, circumstances, and source of the order and that the Contractor regards the order as a change order.
14. Contract Modification: any written alteration in plans or specifications, period of performance, price, quantity, or any other provisions of the Contract accomplished by mutual action of the parties to the Contract.

Where reference is made in the Contract documents to Publications, Standards or Codes issued by Associations or Societies, the intent shall be to specify the current edition of such publication or standard including revision in effect on the date of the Contract advertisement notwithstanding any reference to a particular date.

ARTICLE 2 – CONTRACT DOCUMENTS, INTENT, AMENDING, AND REUSE

Intent:

- 2.1 The Contract Documents comprise the entire Agreement between the COUNTY and CONTRACTOR concerning the Work. The Contract Documents are complementary: what is called for by one is as binding as if called for by all. The Contract Documents will be construed in accordance with the law of the place of the Project.
- 2.2 It is the intent of the Contract Documents to describe a functionally complete Project or Service (or part thereof) to be constructed in accordance with the Contract Documents. Any Work, materials or equipment that may reasonably be inferred from the Contract Documents as being required to produce the intended result will be supplied whether or not specifically called for. When words which have a well-known technical or trade meaning are used to describe Work, materials or equipment such words shall be interpreted in accordance with that meaning. Reference to standard specifications, manuals or codes of any technical society, organization or association, or to the Laws or Regulations of any governmental authority, whether such reference be specific or by implication, shall mean the latest standard specification, manual, code or Laws or Regulations in effect at the time of opening of Bids (or, on the Effective Date of the Agreement if there were no Bids), except as may be otherwise specifically stated. However, no provision of any referenced standard specification, manual or code (whether or not specifically incorporated by reference in the Contract Documents) shall be effective to change the duties and responsibilities of the County, the Towns or CONTRACTOR, or any of their agents or employees from those set forth in the Contract Documents, nor the Notice to Proceed.

ARTICLE 3 CONTRACTOR'S LIABILITY INSURANCE

- 3.1 CONTRACTOR shall purchase and maintain such comprehensive general liability and other insurance as is appropriate for the Work being performed and furnished and as will provide protection from claims set forth below which may arise out of or result from CONTRACTOR'S performance and furnishing of the Work and CONTRACTOR'S other obligations under the Contract Documents, whether it

is to be performed or furnished by CONTRACTOR, by any Subcontractor, by anyone directly or indirectly employed by any of them to perform or furnish any of the Work, or by anyone for whose acts any of them may be liable:

3.1.1 Claims under workers' or workmen's compensation, disability benefits and other similar employee benefit acts;

3.1.2 Claims for damages because of bodily injury, occupational sickness or disease, or death of CONTRACTOR'S employees;

3.1.3 Claims for damages because of bodily injury, sickness or disease, or death of any person other than CONTRACTOR'S employees;

3.1.4 Claims for damages insured by personal injury liability coverage which are sustained (a) by any person as a result of an offense directly or indirectly related to the employment of such person by CONTRACTOR, or (b) by any other person for any other reason;

3.1.5 Claims for damages, other than to the Work itself, because of injury to or destruction of tangible property wherever located, including loss of use resulting therefrom;

3.1.6 Claims arising out of operation of Laws or Regulations for damages because of bodily injury or death of any person or for damage to property; and

3.1.7 Claims for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance or use of any motor vehicle.

The insurance required above shall include the specific coverages and be written for not less than the limits of liability and coverages provided as follows:

1. Workmen's Compensation: In accordance with the Workmen's Compensation Laws that are applicable to the employees engaged in the Work. The limit of Employer's Liability Insurance shall be not less than \$500,000 each accident.
2. Public Liability Insurance for Personal Injury:
 - a. Individual limit of \$1,000,000 each person.
 - b. Total limit of \$ 3,000,000 for each accident.
3. Property Damage Insurance:
 - a. Each claim \$ 1,000,000.
 - b. Aggregate \$ 3,000,000.
4. If the CONTRACTOR sublets any portion of his work, then he shall also provide:
 - a. Contractor's Protective Liability Insurance:
 - (1) Individual limit for personal injury of \$1,000,000.
 - (2) Total limit for personal injury for one accident of \$3,000,000.
 - b. Contractor's Protective Property Damage Insurance with a limit of \$1,000,000/\$3,000,000.

Any Subcontractor under contract with CONTRACTOR to perform Work on the Project shall hold the County, the Towns and agents harmless, and purchase and maintain such comprehensive general liability and other insurance as will provide protection from claims set forth herein.

The County and the Towns shall be specifically named as additional insureds on all required insurance policies of the CONTRACTOR and any Subcontractors.

In addition, CONTRACTOR shall maintain such completed operations insurance for at least one year after final payment and furnish the County with evidence of continuation of such insurance at final payment.

ARTICLE 4 – CONTRACTOR’S RESPONSIBILITIES

Supervision and Superintendence:

4.1 CONTRACTOR shall supervise and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. CONTRACTOR shall be solely responsible for the means, methods, techniques, sequences and procedures of construction, but CONTRACTOR shall not be responsible for the negligence of others in the design or selection of a specific means, method, technique, sequence or procedure of construction which is indicated in and required by the Contract Documents. CONTRACTOR shall be responsible to see that the finished Work complies accurately with the Contract Documents.

Labor, Materials and Equipment

4.2 CONTRACTOR shall provide competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. CONTRACTOR shall at all times maintain good discipline and order at the site. Except in connection with the safety or protection of persons or the Work or property at the site or adjacent thereto, and except as otherwise indicated in the Contract Documents, all Work at the site shall be performed during regular working hours, and CONTRACTOR will not permit overtime work or the performance of Work on Saturday, Sunday or any legal holiday without the County or Owner’s written consent.

4.3 All materials and equipment shall be of good quality and new, except as otherwise provided in the Contract Documents. If required by the County or an Owner, CONTRACTOR shall furnish satisfactory evidence (including reports of required tests) as to the kind and quality of materials and equipment. All materials and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned in accordance with the instructions of the applicable Supplier.

Laws and Regulations

4.4 CONTRACTOR shall give all notices and comply with all Laws and Regulations applicable to furnishing and performance of the Work. Except where otherwise expressly required by applicable Laws and Regulations, the County or Owners shall not be responsible for monitoring CONTRACTOR’S compliance with any Laws or Regulations.

Taxes

4.5 State taxes will be excluded from all General and Sub-bids. The Towns shall provide their exemption certificate number(s) to the CONTRACTOR. CONTRACTOR shall pay all taxes required to be paid by CONTRACTOR in accordance with the Laws and Regulations of the place of the Project which are applicable during the performance of the Work.

Use of Premises

4.6 CONTRACTOR shall confine construction equipment, the storage of materials and equipment and the operations of workers to the Project site and land and areas identified in and permitted by the Contract Documents and other land and areas permitted by Laws and Regulations, rights-of-way, permits and easements, and shall not unreasonably encumber the premises with construction equipment or other materials or equipment. CONTRACTOR shall assume full responsibility for any damage to any such land or area, or to the owner or occupant thereof or of any land or areas contiguous thereto, resulting from the performance of the Work. Should any claim be made against the County or any Town by any such owner or occupant because of the performance of the Work, CONTRACTOR shall promptly attempt to settle with such other party by agreement or otherwise resolve the claim by arbitration or at law. CONTRACTOR shall, to the fullest extent permitted by Laws and Regulations, indemnify and hold the County and all Towns harmless from and against all claims, damages, losses and expenses (including, but not limited to, fees of engineers, architects, attorneys and other professionals and court and arbitration costs) arising directly, indirectly or consequentially out of any action, legal or equitable, brought by any such other party against the County and all Towns to the extent based on a claim arising out of CONTRACTOR'S performance of the Work.

Safety and Protection

4.7 CONTRACTOR shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work (examples: OSHA Regulations regarding Excavation safety: 29 CFR Part 1926 and Confined Space Procedures: 29 CFR 1910.146). CONTRACTOR shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to:

4.7.1 all employees on the Work and other persons and organizations who may be effected thereby:

4.7.2 all the Work and materials and equipment to be incorporated there-in, whether in storage on or off the site; and

4.7.3 other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, utilities and Underground Facilities not designated for removal, relocation or replacement in the course of construction.

CONTRACTOR shall comply with all applicable Laws, regulations and Guidelines of any public body (examples: OSHA, DIGSAFE, MHD Work Zone Safety Guidelines) having jurisdiction for the safety of

persons or property or to protect them from damage, injury or loss; and shall erect and maintain all necessary safeguards for such safety and protection. CONTRACTOR shall notify owners of adjacent property and of Underground Facilities and utility owners when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation and replacement of their property. All damage, injury or loss to any property referred to in paragraph 3.7.1 or 3.7.2 caused, directly or indirectly, in whole or in part, by CONTRACTOR, any sub-contractor, supplier or any other person or organization directly or indirectly employed by any of them to perform or furnish any of the Work or anyone for whose acts any of them may be liable, shall be remedied by CONTRACTOR (except damage or loss attributable to the fault of Drawings or Specifications or to the acts or omissions of the County or any Towns or anyone employed or contracted by any of them or anyone for whose acts either of them may be liable, and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of CONTRACTOR). CONTRACTOR'S duties and responsibilities for the safety and protection of the Work shall continue until such time as all the Work is completed.

Indemnification

4.8 To the fullest extent permitted by Laws and Regulations CONTRACTOR shall indemnify and hold harmless the County, the Towns and their consultants, agents and employees from and against all claims, damages, losses and expenses, direct, indirect or consequential (including but no limited to fees and charges of engineers, architects, attorneys and other professionals and court and arbitration costs) arising out of or resulting from the performance of the Work.

Separate Contracts

4.9 The Towns have the right to let other contracts in connection with the Work and the CONTRACTOR shall properly cooperate with any such other contractors.

Invoicing

4.10 Each Town shall be solely responsible for payment of invoices due to Contractor for quantities ordered and received by that Town only or for the project awarded.

4.10.1 "As per MGL, Chapter 7, section 22, each political subdivision participating in this bid is solely responsible for any payment due vendor for its share of such purchase. Barnstable County, as lead purchasing agent shall not be liable for payment or for any claim based upon a breach of warranty or defects in the design, manufacture or installation of material, supplies or equipment purchase pursuant to this bid."

4.11 Award Price.

The County or Towns shall pay and the Contractor shall receive as full compensation for everything furnished and done by the Contractor under the Contract, including all work required but not included in the items hereinafter mentioned, and also for all loss or damage arising out of the nature of the work aforesaid, or from the action of the elements or from any difficulty incurred by or in consequence of the suspension or discontinuance of the work as herein specified, and for well and faithfully completing the work, and the whole thereof, as herein provided, as follows:

ARTICLE 5 – UNIT PRICE WORK

5.1 Initially, the Contract Price will be deemed to include for Unit Price Work an amount equal to the established unit price for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Agreement. The estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of Bids and determining an initial Contract Price. Determinations of the actual quantities and classification of Unit Price Work performed by CONTRACTOR will be made by each Town.

5.2 Each unit price will be deemed to include an amount considered by CONTRACTOR to be adequate to cover CONTRACTOR'S overhead and profit for each separately identified item.

5.3 When the accepted quantities of Work vary from the estimated quantities, the CONTRACTOR shall accept as payment in full, so far as contract items are concerned, payment at the original Contract unit prices for the accepted quantities of Work done. No allowance will be made for any increased expenses, loss of expected reimbursement or loss of anticipated profits suffered or claimed by the Contractor, resulting either directly or indirectly from such increased or decreased quantities.

5.4 The CONTRACTOR shall make monthly estimates of the materials complete in place for the amount of Work performed in accordance with the Contract. The estimates will be itemized for review and approval by each Town. Each estimate will show the total value of the Work done to date, the total money due the CONTRACTOR since the previous estimate and the money paid the CONTRACTOR to date. This estimate will be considered approximate only and shall be subject to correction. Five (5%) percent of all payments due the CONTRACTOR for Work done and materials furnished will be withheld until final completion of the Work. The acceptance by the CONTRACTOR of the final payment, including the retainage of five (5%) percent, shall operate as a release to the specific Town of all claims and all liabilities to the CONTRACTOR for all Work done or materials furnished in connection with the Contract. Final payment shall be as provided in G.L. Ch.30, Section 39G. The payment to the CONTRACTOR of said final payment does not, however, release them or their sureties from any obligation under this contract.

5.5 It shall be the responsibility of the CONTRACTOR to inform each Town when the sum of all orders for units of work is within 90% of the total Contract price for that Town. The CONTRACTOR'S total billing cannot exceed the total Contract price without prior written approval by each Town.

5.6 All monies not paid when due hereunder shall bear interest at the maximum rate allowed by law at the place of the Project.

ARTICLE 6 – WARRANTY AND GUARANTEE; TESTS AND INSPECTION; CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK

Warranty and Guarantee

6.1 CONTRACTOR warrants and guarantees to the County and the Towns that all Work will be in accordance with the Contract Documents and will not be DEFECTIVE. Prompt notice of all defects shall be given to CONTRACTOR. All DEFECTIVE Work, whether or not in place, may be rejected, corrected or accepted as provided in this Article.

Access to Work

6.2 The County's or Town's representatives, testing agencies and governmental agencies with jurisdictional interests will have access to the Work at reasonable times for their observation, inspecting and testing. CONTRACTOR shall provide proper and safe conditions for such access.

Tests and Inspections

6.3 CONTRACTOR shall give each Town timely notice of readiness of the Work for all required inspections, tests or approvals. CONTRACTOR shall furnish written information to each Town stating the original sources of all materials manufactured away from the actual site of the Work. In order to insure a proper time sequence for required inspection and approval, this information shall be furnished at least two weeks in advance of the incorporation in the Work of any such materials.

6.4 If any Work (including the work of others) that is to be inspected, tested or approved is covered without written concurrence of a specific Town, it must, if requested by that Town, be uncovered for observation. Such uncovering shall be at CONTRACTOR'S expense unless CONTRACTOR has given that Town timely notice of CONTRACTOR'S intention to cover the same and that Town has not acted with reasonable promptness in response to such notice.

6.5 Neither observations by the County or a Town, nor inspection, tests or approvals by others shall relieve CONTRACTOR from CONTRACTOR'S obligations to perform the Work in accordance with the Contract Documents.

Two Year Correction Period

6.6 If within two (2) years after the date of Completion or such longer period of time as may be prescribed by Laws or Regulations or by the terms of any applicable special guarantee required by the Contract Documents or by any specific provision of the Contract Documents, any Work is found to be DEFECTIVE, CONTRACTOR shall promptly, without cost to the Town and in accordance with Town's written instructions, either correct such DEFECTIVE Work, or, if it has been rejected by the Town, remove it from the site and replace it with NONDEFECTIVE Work. If CONTRACTOR does not promptly comply with the terms of such instructions, or in an emergency where delay would cause serious risk of loss or damage, the Town may have the DEFECTIVE Work corrected or the rejected Work removed and replaced, and all direct, indirect and consequential costs of such removal and replacement (including but not limited to fees and charges of engineers, architects, attorneys and other professionals) will be paid by CONTRACTOR. In special circumstances where a particular item of equipment is placed in continuous

service before Completion of all the Work, the correction period for that item may start to run from an earlier date if so provided in the Specifications or by Written Amendment.

ARTICLE 7 – PAYMENT & PERFORMANCE BONDS

7.1 CONTRACTOR shall furnish a Labor and Materials Bonds in an amount of 50% on a project by project basis as security for the faithful payment of all CONTRACTOR'S obligations under the Contract Documents. These Bonds shall remain in effect at least until two (2) years after the date when final payment becomes due, except as otherwise provided by Law or Regulation or by the Contract Documents. CONTRACTOR shall also furnish such other Bonds as are required by the Supplementary Conditions. All Bonds shall be in the forms prescribed by Law or Regulation or by the Contract Documents and be executed by such sureties as are named in the current list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 (amended) by the Audit Staff Bureau of Accounts, U.S. Treasury Department. All Bonds signed by an agent must be accompanied by a certified copy of the authority to act.

7.2 If the surety on any Bond furnished by CONTRACTOR is declared bankrupt or becomes insolvent or its right to do business is terminated in any state where any part of the Project is located or it ceases to meet the requirements of paragraph 6.1, CONTRACTOR shall within five (5) days thereafter substitute another Bond and Surety, both of which must be acceptable to the County and the Towns.

ARTICLE 8 – EFFECTIVE DATE

The Effective Date of the Agreement shall be the date that the County determines that the Contract is complete, signs the Agreement and forwards a Notice to Proceed to CONTRACTOR.

ARTICLE 9 - CHANGES IN THE WORK

9.1 The County or any Town, without invalidating the Contract may order Changes in the Work consisting of additions, deletions, or modifications, the Contract Sum and the Contract Time being adjusted accordingly. All such changes in the Work shall be authorized by written Change Order signed by the County, Town or the Engineer as their duly authorized agent.

9.2 The Contract Sum and the Contract Time may be changed only by Change Order.

9.3 The cost or credit to the Town from a Change in the Work shall be determined by mutual agreement.

ARTICLE 10 - WAGE RATES

10.1 Full compliance with applicable federal, state and local wage laws is required on all Work done for any Town.

10.2 The County and Towns shall not be held liable should the CONTRACTOR fail to compensate any person(s) in accordance with the prevailing (minimum) wage rates included herein. The CONTRACTOR claims full responsibility to compensate the person(s) associated with the project accordingly and will assume any liability on behalf of the County and Towns, should a person(s) associated with the project file a claim pursuant to MGL Chapter 149.

10.3 The "work classifications" provided by the CONTRACTOR on the required "Weekly Payroll Report Form" shall exactly match the classifications provided in the "Minimum Wage Rates". Should the CONTRACTOR use an unlisted classification, it shall be the CONTRACTOR's responsibility to contact the Department of Labor and Industries in order to determine a matching classification or obtain minimum wage rate for the new classification.

ARTICLE 11 - ENGINEER

11.1 The Engineer (as designated by each Town) will provide general administration of the Contract and will be the Town's representative during the construction period.

11.2 The Engineer shall at all times have access to the Work wherever it is in preparation and progress.

11.3 The Engineer will make periodic visits to the site to become generally familiar with the progress and quality of the Work in accordance with the Contract Documents. On the basis of on-site observations by the Engineer, he will keep the Town informed of the progress of the Work, and will endeavor to guard the Town against defects and deficiencies in the Work of the CONTRACTOR. The Engineer will not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the Work. The Engineer will not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the Work, and he will not be responsible for the CONTRACTOR'S failure to carry out the Work in accordance with the Contract Documents.

11.4 Based on such observations and the CONTRACTOR'S Application for Payment, the Engineer will determine the amounts owed to the CONTRACTOR.

11.5 The Engineer will be, in the first instance, the interpreter of the requirements of the Contract Documents.

11.6 The Engineer will have authority to reject Work which does not conform to the Contract Documents.

ARTICLE 12 - TERMINATION OF CONTRACT

The County and the Towns reserve the right to terminate this Contract or Services whenever it deems that the CONTRACTOR is in violation of laws, regulations and/or provisions of this Contract. Termination

of a Contract or Services by any Town shall not invalidate or alter the terms of a similar Contract or Services with any other Town.

ARTICLE 13 – MISCELLANEOUS

13.1 No assignment by a party hereto of any rights under or interests in the Contract Documents will be binding on another party hereto without the written consent of the party sought to be bound; and, specifically, but without limitation, moneys that may become due and monies that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

13.2 The County and CONTRACTOR each binds himself, his partners, successors, assigns and legal representatives in respect to all covenants, agreements and obligations contained in the Contract Documents.

13.3 This CONTRACT shall be deemed to include all terms and requirements imposed by laws related to the performance of the Work on the Project or Services.

13.4 This is not an exclusive contract to provide services or materials to the County and Towns. The County and Towns reserve the right to contract for similar services or materials.

PREVAILING WAGES

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SCOPE OF WORK

Barnstable County on behalf of the Towns in the County requests bids from qualified contractors for Miscellaneous Public Works and Roadway Materials.

The Work under this Contract consists of providing various materials as described herein to the Towns of Barnstable, Bourne, Brewster, Chatham, Dennis, Eastham, Harwich, Orleans, Provincetown, Sandwich, Wellfleet and Yarmouth through an Agreement with the County of Barnstable.

All Work done under this Contract shall be in conformance with the 1988 Massachusetts Highway Department (MassDOT) Standard Specifications for Highways and Bridges, the Supplemental Specifications, the 2005 Standard Special Provisions, the 2010 Construction Standard Details, and the 2009 Manual on Uniform Traffic Control Devices, all as amended, and these Special Provisions. The General Conditions and Special Provisions shall take precedence over the General Requirements of the Standard Specifications.

Bidders may wish to contact each Town to obtain actual quantities purchased during prior years. Bidders may bid on any or all items for any or all Towns. Bid selection will be by each item and will be based on the lowest, qualified, responsible, and responsive bid for each item for each Town.

WORK SCHEDULE

The Contractor shall commence Work within ten (10) working days of receiving a Notice to Proceed from the Owner. If the Contractor cannot begin work within the ten (10) working days, that Owner may order such services from such contractors as are available, and the Contractor shall reimburse that Owner for all expenses incurred above the Contract Price. When needing work completed for any items that will be awarded to the two (2) lowest bidders, each Town shall first forward by e-mail or fax a Notice to Proceed to the lower of the two lowest bidders. If the lowest bidder does not schedule the work requested within forty-eight (48) hours of receiving the Notice to Proceed and/or cannot begin (and remain at) work within ten (10) working days, then the Town shall have the right to forward a Notice to Proceed to the second low bidder.

Work is restricted to a normal eight-hour day, five-day week, with Contractor and all subcontractors working on the same shift.

No Work shall be done on this Contract on Saturdays, Sundays or holidays or on the day before or the day after a long weekend which involves a holiday without prior approval by the specific Town or County.

OSHA REQUIREMENT

Any employee found on the worksite without documentation of the successful completion of a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration shall be subject to immediate removal. OSHA certifications must be submitted with the certified payrolls for all workers during the first week they work on a project.

PROGRESS OF WORK

The Contractor shall promptly start and continue actual construction work under this Contract with the necessary equipment to properly execute and complete this Contract in the specified time. No cessation of Contractor's operations will be allowed without the approval of the Engineer. The rate of

progress shall be satisfactory to that Town and the Engineer. The Contractor shall furnish to the Engineer a schedule for the Work prior to the start of construction.

CONTRACT DOCUMENTS IN THE FIELD

The Contractor shall keep a copy of the Contract Documents at the work site at all times while work is being performed and said copy is to be available to those in charge of work.

POLICE SERVICES

Each Town shall provide all Town police services at no cost to the Contractor to direct traffic when such protection is required by that Town's Police Department. The Contractor shall be solely responsible for contacting and scheduling police services with the Police Department. If the Contractor must cancel police services, he must do so within the time limits set by the Police Department. If the Contractor does not cancel police services within the time limits, then Contractor shall be responsible to promptly pay the minimum required amount.

PUBLIC SAFETY AND CONVENIENCE

The Contractor shall be required without additional compensation to provide safe and convenient access to all abutters during the prosecution of the Work.

No excavation shall be left open during non-working hours.

MSDS sheets and information shall be available on site and copies submitted to a Town as requested.

NECESSARY ACCESS FOR FIRE APPARATUS AND OTHER EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE WITH THE POLICE AND FIRE DEPARTMENTS AT ALL TIMES REGARDING ACCESS.

For the protection of life and property, all backfill operations shall follow closely behind completed work. The Contractor shall insure that no excavation be left open, unguarded, or water filled during any period of time when work is not actually in progress. It is the purpose and intent that all excavations and backfill, including consolidation operations, and temporary surfacing within an area be accomplished expeditiously before proceeding to other work areas.

Contractor shall comply with all applicable Laws, regulations and Guidelines of any public body (example: OSHA, DIGSAFE, MASSDOT Work Zone Safety Guidelines, Police) having jurisdiction for the safety of persons or property or to protect them from damage, injury or loss; and shall erect and maintain all necessary signs/ safeguards for such safety and protection at no extra cost to the Owner. See General Conditions also.

CLEANUP

Cleanup shall be done on a daily basis. At the end of each working period, the Contractor shall completely backfill all holes and trenches, and remove all equipment from the traveled way. The Contractor shall ensure that all safety marking and warning devices are satisfactorily in place prior to leaving any job.

During the course of the Work, the Contractor shall keep the site of his operations in as clean and neat condition as is possible. He shall dispose of all residue resulting from the construction work and, at the

conclusion of the work, he shall remove and haul away any surplus excavation, broken pavement, lumber, equipment, temporary structures, and any other refuse remaining from the construction operations, and shall leave the entire site of the work in a neat and orderly condition.

Sweeping and cleaning of surfaces beyond the limits of the Project to clean up material caused by spillage or vehicular tracking during the various phases of the work shall be considered as incidental to the Work being performed under the Contract and there will be no additional compensation.

EMERGENCY CONTACTS

The Contractor shall maintain a 24-hour, 7-day a week telephone service and a local facility to handle emergency requirements such as settled trenches, clogged drains, rain damage, work zone safety issues, etc. A list of personnel (minimum of two) and their telephone numbers shall be submitted to the Engineer, the Highway Superintendent (or his designee), the Public Works Director and to the local Police and Fire Departments. This requirement shall apply during the entire length of the Project. or Service for each Town where work is being completed. This list shall be submitted on the Contractor's letterhead and shall state that should an emergency arise during the implementation of this Project or Service, these people are to be contacted. The Contractor shall submit this letter to the Engineer prior to initiating construction. The Highway Superintendent for each Town or his designee has the right to determine whether or not an emergency exists and to require Contractor to promptly resolve the emergency at no cost to that Town. If Contractor cannot respond in a timely manner as determined by the Highway Superintendent, the Town has the right to complete the necessary work and to bill Contractor for that work.

DIGSAFE

The Contractor shall notify "Mass. DIG SAFE" and the Local Water Department or District and procure a DIG SAFE number of each location prior to disturbing ground in any way.

"DIG-SAFE" Call Center: Telephone 1-888-344-7233

Commonwealth Electric has a policy regarding the location of electric utilities. Dig-Safe can no longer be relied upon to locate electric utilities that are "privately" owned. This can include electric cables located in Public ways that run from utility poles to buildings. It is therefore incumbent upon Contractor to ascertain if any electric cables are located in any area prior to excavation. This will be done at Contractor's expense.

The Contractor shall make his own investigation to assure that no damage to existing structures, drainage lines, traffic signal conduits, and other utilities will occur as a result of his operations.

PROTECTION OF UTILITIES AND PROPERTY

The Contractor, in constructing or installing facilities alongside or near sanitary sewers, storm drains, water or gas pipes, electric or telephone conduits, poles, sidewalks, walls, vaults or other structures shall, at his expense, sustain them securely in place, cooperating with the officers and agents of the various utility companies and municipal departments which control them, so that the services of these structures shall be maintained. The Contractor shall also be responsible for the repair or replacement, at his own expense, of any damage to such structures caused by his acts or neglect and shall leave them in the same condition as they existed prior to commencement of the Work. In case of damage to utilities, the Contractor shall promptly notify the utility owner and shall, if requested by the Engineer, furnish labor and equipment to work temporarily under the owner's direction in providing access to the

utility. Pipes or other structures damaged by the operation of the Contractor may be repaired by the municipality or by utility owner which suffers the loss. The cost of such repairs shall be borne by the Contractor, without compensation therefor.

If, as the Work progresses, it is found that any of the utility structures are so placed as to render it impracticable, in the judgment of the Engineer, to do the Work called for under this Contract, the Contractor shall protect and maintain the services in such utilities and structures and the Engineer will, as soon thereafter as reasonable, cause the position of the utilities to be changed or take such other actions deemed suitable and proper.

If live service connections are to be interrupted by excavations of any kind, the Contractor shall not break the service until new services are provided. Abandoned services shall be plugged off or otherwise made secure.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals for doing all the work involved in protecting or repairing property as specified in this section, shall be considered included in the prices paid for the various Contract items of Work and no additional compensation will be allowed therefor.

PROVISIONS FOR TRAVEL AND PROSECUTION OF THE WORK

For the items that require traffic control, the Contractor shall supply and use traffic control devices, positioning and methodology, conforming with the Manual on Uniform Traffic Control Devices (MUTCD) and MASSDOT Work Zone Safety Guidelines at no additional cost to any Town. 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 normal traffic conditions 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.

Particular care should be taken to establish and maintain methods and procedures which will not create unnecessary or unusual hazards to public safety.

WORK DONE BY OTHERS

Relocation and/or resetting to new grades of all private utilities, including utility poles, made necessary by the construction of this Project, will be accomplished by the respective utility companies.

DISPOSAL OF SURPLUS MATERIALS

All materials not required or needed for use on the Project, and not required to be removed and stacked, shall become the property of the CONTRACTOR and shall be removed from the site and legally disposed of. No separate payment will be made for this Work, but all costs in connection therewith shall be included in the prices bid for various Contract items.

COMPACTION

Compaction of filled areas under pavement (no matter what type of fill material) shall be completed in 6" lifts. Compaction of filled areas elsewhere (no matter what type of fill material) shall be completed in 12" lifts. Appropriate compaction equipment shall be used.

PROPERTY BOUNDS

Any bounds or markers flagged by a Town and disturbed by the Contractor shall be replaced utilizing the services of a Registered Land Surveyor. The cost of replacing flagged bounds or markers disturbed by the Contractor's operations shall be at the Contractor's expense.

WEIGHING

All materials requiring payment by weight shall be weighed at a certified scale prior to delivery and the weigh slips shall be delivered to and signed by a Town representative. Each Town may provide use of its scale and require gross weights and vehicle tare weights verified at time of delivery.

DELIVERY OF ROADWAY MATERIALS

The vendor shall furnish manufacturer's certification that the materials conform to the specifications. All material shall be delivered to and off loaded at each Town's Highway Division yard or to a mutually agreeable site, except Hot Mix Asphalt which shall be loaded on Town trucks at the plant. All costs of transportation shall be included in the prices bid. If, at any time, the materials delivered are found to be sub-standard, the vendor shall be responsible for removing the offending material at their cost, within ten (10) working days after receiving notification from the Town.

All deliveries shall be made during each Town's normal business hours, Monday through Friday (except legal holidays), and in the presence of an authorized Town employee or agent.

Delivery shall be immediate unless the item is out of stock or not normally stocked, then the vendor shall notify the Town and shall make delivery within ten (10) days.

If at any time the vendor is unable to furnish materials or services as ordered by a Town:

- * The vendor shall be obligated to obtain delivery from another supplier and will in turn invoice the Town at the price specified in the Contract, or
- * The Town may order such materials or services from such places as are available, and the vendor shall reimburse the Town for all expenses incurred above the Contract price.

If services of the vendor are subsequently deemed to be unsatisfactory to any Town and/or are in violation of these specifications, a Town shall notify the said vendor in writing. If mutually agreeable arrangements cannot be achieved between the Town and the vendor, the terms of the Contract for that Town will be terminated. Notice of termination will be in writing and notification will be sent by registered or certified mail. Termination will become effective three (3) days after mailing said notification. Termination of a Contract by any Town shall not invalidate or alter the terms of a similar Contract with any other Town.

The vendor receiving an award shall, at no expense to any Town, adhere to Massachusetts General Law Chapter 111F - "Right to Know Law" as it shall apply to the items contained in the award notice.

PRICE ADJUSTMENTS

The Massachusetts Department of Transportation (MassDOT) method for calculating price adjustments due to cost fluctuations in liquid asphalt, Portland cement, diesel fuel, gasoline, and structural steel shall apply to this bid. The Liquid Asphalt adjustment shall apply to Hot Mix Asphalt (Loaded on Town Trucks)

on orders greater than 100 tons where the adjustment results in a change in the Unit Price of 5% or more. No other adjustments will be made to the remaining bid items.

The Liquid Asphalt price adjustment shall be based on the difference between the price at the time of the bid (base bid price) and the price on the date of paving. The Liquid Asphalt base bid price shall be the price posted on the MassDOT Website for the month of November 2020 which is \$495.00.

TWO LOWEST BIDDERS

It is the intent to award a contract to the two (2) lowest, qualified, responsible, and responsive bidders for Bid Items 115 to 122. When needing work completed for each of these items, each Town shall first forward by e-mail or fax a Notice to Proceed to the lower of the two lowest bidders. If the lowest bidder does not schedule the work requested within forty-eight (48) hours of receiving the Notice to Proceed and/or cannot begin (and remain at) work within ten (10) working days, then the Town shall have the right to forward a Notice to Proceed to the second low bidder.

TIED BIDS

In the case of tied bids, the County tied bid policy will be used to determine the awarded bidder.

MASSDOT PREQUALIFICATION

Items noted in the Bid Table require vendors to be prequalified by MassDOT.

ITEM 100 CHLORINATED RUBBER PAINT AND BEADS FOR 4" REFLECTORIZED LINE

ITEM 101 CHLORINATED RUBBER PAINT AND BEADS FOR STOP BARS & CROSSWALKS

ITEM 102 CHLORINATED RUBBER PAINT AND BEADS FOR ARROWS & MISCELLANEOUS MARKINGS

The Work shall include the furnishing and installing of alkyd traffic paint modified with chlorinated rubber and glass beads conforming to Section M7 of the Standard Specifications. The white or yellow reflectorized traffic paint shall comply with Section 860 of the Standard Specifications.

Low VOC Chlorinated Rubber Traffic Paint

The durable, fast drying, Alkyd modified with chlorinated rubber traffic paint shall conform to the current V.O.C. regulations and the following:

Composition	White	Yellow (lead free)
Vehicle % by wt.	40-43	40-43
Pigment % by wt.	57-80	57-60
Total Solids % by wt.	74 min	74 min
Total Solids % by vol.	50 min	50 min
V.O.C. grams/liter	150 max	150 max
Titanium dioxide rutile (type II)	1 lb/gal min	.3 lbs/gal min
Organic yellow pigment (lead free)	n/a	.25 lbs/gal min
Chlorinated rubber	.5 lbs/gal min	.5 lbs/gal min

Detailed Requirements

Wt/Gal	12.5 +/- .2	12.1 +/- .2
Viscosity K.U.	75-85	75-85
Dry Time 15 mils wet film @ 77 F Minutes	10 max	10 max
Dry Opacity @ 15 mils wet	.96 min	.96 min
Reflectance	84 min	50 min
Grind	3 min	3 min
CC Flash Point (F)	(-4 F) min	(-4 F) min

The application rates shall be 1 gallon of paint and 5 pounds of beads per 320 linear feet of 4" wide line.

Application Conditions

Temperature: 50°F (10°C) minimum, 110°F (43°C) maximum (air, surface, and material) and at least 5°F (2.8°C) above dew point

Relative humidity: 85% maximum

Equipment

The Contractor shall supply 1 long line spray truck, manufactured with stainless steel components to properly apply alkyd traffic paint modified with chlorinated rubber, capable of applying solid lines in a sharp and true manner. The unit must have a minimum paint tank capacity of 400 gallons and a minimum bead truck capacity of 2,000 pounds. The long line spray truck must be capable of producing

an acceptable 4" wide single or double line at the application rate of 5 pounds of beads and 320 lineal feet per one gallon of paint while traveling at a minimum of 7 miles per hour.

The Contractor shall supply 1 cone truck (rack body with hydraulic tail gate) with 300 cones.

The above units shall include protective devices and warning signs for the painting operation. Each unit shall be radio controlled with a portable unit available for the Highway Division lead truck.

The Contractor shall supply 2 operating personnel for the spray truck and 3 cone setters/retriever personnel for the traffic cone setting truck.

The Contractor will place traffic cones on all freshly painted lines to reduce tracking.

Contractor Responsibilities

The Contractor shall complete the painting as indicated herein, subject to weather conditions, such as wet or extremely cold pavement. The Contractor shall have backup equipment available to him in the event of a breakdown.

The Contractor shall have a supervisor or foreman available to direct operations. The supervisor or foreman will report to the Highway Division Superintendent or his designee, any problem, as well as, give daily progress reports.

The Contractor must show by past performance that he is capable of performing a Contract of this magnitude.

On new road surfaces, the Contractor shall pre-mark the centerlines and foglines, as needed, at no additional cost to the Town.

Measurement and Payment

The measured quantity for 4" Reflectorized Line and 12" Stop Bars and Crosswalks will be paid at the Contract Unit Price per Linear Foot, which price shall include all labor, equipment, materials and incidental costs required to complete the Work. The measured quantity for Arrows and Miscellaneous Markings will be paid at the Contract Unit Price per Square Foot, which price shall include all labor, equipment, materials and incidental costs required to complete the Work.

ITEM 103 THERMOPLASTIC PAINT FOR 4" REFLECTORIZED LINES

ITEM 104 THERMOPLASTIC PAINT FOR STOP BARS & CROSSWALKS

ITEM 105 THERMOPLASTIC PAINT FOR ARROWS & MISCELLANEOUS MARKINGS

The Work under these items shall conform to the relevant provisions of Section 860 of the Standard Specifications and the following:

Material used and method of installation shall conform with the relevant provisions of Subsection M7, M7.01.03, M7.01.04, M7.01.18, and 860 of the Standard Specifications. All dimensions and spacing shall be as directed by the Engineer.

The Contractor shall install all pavement markings at locations as directed by the Engineer. **On new road surfaces, the Contractor shall pre-mark the centerlines and foglines, as needed, at no additional cost to the Town.**

Measurement and Payment

The measured quantity for 4" Reflectorized Line and 12" Stop Bars and Crosswalks will be paid at the Contract Unit Price per Linear Foot, which price shall include all labor, equipment, materials and incidental costs required to complete the Work. The measured quantity for Arrows and Miscellaneous Markings will be paid at the Contract Unit Price per Square Foot, which price shall include all labor, equipment, materials and incidental costs required to complete the Work.

ITEM 106 EPOXY PAINT FOR 4" REFLECTORIZED LINES

Work under these items cover white and yellow epoxy reflectorized pavement marking material that is sprayed onto the pavement. Immediately following this, a surface application of glass beads is applied. The work, materials, and methods of installation under these items shall conform to the relevant provisions of Sections 860 and subsection M7 of the Standard Specifications. and the following:

The epoxy marking material shall be two-component (Part A and Part B), 100% solids type system formulated and designed to provide a simple volumetric mixing ratio (e.g. two volumes of Part A to one volume of Part B).

Part A of both white and yellow shall conform to the following requirements:
Percent by weight:

WHITE Pigment - 18 Minimum, Titanium Dioxide (ASTM D476, Type II) Epoxy Resin - 75 to 82

YELLOW Pigment - 18 Minimum, Titanium Dioxide (ASTM D476, Type II) 5 Minimum, Organic Yellow, Epoxy Resin – 73 to 77

The entire pigment composition shall consist of either titanium dioxide or titanium dioxide and organic yellow. No extender pigments are permitted. Yellow pigment shall be lead-free.

The work of these items shall only be performed when atmospheric and surface temperatures are 40°F higher

All dimensions and spacing shall be as directed by the Engineer.

The measured quantity for Epoxy Paint for 4" Reflectorized Lines will be paid at the Contract Unit Price per Linear Foot, which price shall include all labor, materials and incidental costs required to complete the work..

ITEM 107 PAVEMENT MARKING REMOVAL

The Work under this section shall conform to the relevant provisions of Section 850.67 of the Standard Specifications and the following. Existing pavement markings shall be removed to the fullest extent possible by an approved method. Pavement removal methods shall not cause damage to the pavement or cause drastic change in texture, which could be construed as delineation at night, and shall be approved by the Town. It is not permissible to paint over existing markings with black paint in lieu of removal. Approved methods include but are not limited to:

1. High pressure air.
2. High pressure water (cold weather use not permitted).
3. Sand blasting.
4. Mechanical devices such as grinders, sanders, scrapers, scarifiers, and wire brushes.

Painting over a pavement marking by use of asphaltic liquids or paints will not be permitted. Conflicting pavement markings shall be removed before any change in the traffic pattern.

Material deposited on the pavement as a result of removing markings shall be removed as the work progresses. Accumulations of sand or other material, which might interfere with drainage or could constitute a hazard to traffic, will not be permitted.

Any damage to the pavement or surfacing caused by pavement marking removal shall be satisfactorily repaired at no additional cost to the Town.

Where the removal operation is being performed near a lane occupied by traffic, a vacuum attachment operating concurrently with the removal operation must be in use. All residues shall be removed immediately from the surface being treated.

The measured quantity will be paid for at the Contract Unit Price per Square Foot which price shall include all labor, equipment, vacuuming, sweeping, hauling, disposing, and incidental costs required to complete the Work.

ITEM 108 DRAINAGE PIPE CLEANING

The Work under this item consists of the cleaning of existing drainage pipes. Work under this item shall be performed under the direction and to the satisfaction of the Highway Division Superintendent or his designee.

Drainage pipe cleaning will be paid for at the Contract Unit Price per Day (8 working hours exclusive of travel time) broken down as follows:

* Drainage pipe cleaning performed between 0 and 4 hours will be paid for at half the Contract Unit Price per Day.

* Drainage pipe cleaning performed for a period greater than 4 hours will be paid for at a proportion of the full Contract Unit Price per Day.

The Contract Unit Price per Day shall include all labor, equipment, transportation and incidental costs required to complete the Work. The Work under this item does not include the removal and legal disposal of hazardous material.

ITEM 109 DRAINAGE STRUCTURE CLEANING BY CLAMSHELL (WITH DISPOSAL)

The Work under this item consists of the cleaning of existing drainage structures. The Work also includes the complete removal and legal disposal of the debris. Work under this item shall be performed under the direction and to the satisfaction of the Highway Division Superintendent or his designee.

Drainage structures shall be cleaned along their entire circumference. Debris shall be substantially (95%) removed from the structure walls and bottoms. The proposed equipment shall be submitted for approval by the Town Engineer or his designee.

The contractor shall be responsible for stockpile area management including confinement of debris, erosion control, loading, and removal of the debris. The contractor shall provide documentation of proper disposal to the town as a condition of payment. The contractor shall be responsible for any testing costs required for legal disposal of the catch basin cleanings. It is the responsibility of the Contractor to contact each Town and determine if a staging and stockpile area is available on town property or if the contractor will have to make alternative arrangements for a legal stockpile area.

The Contract Unit Price per Each shall include all labor, materials, equipment, transportation and incidental costs required to complete the Work. The Work under this item does not include the removal and legal disposal of hazardous material.

ITEM 110 DRAINAGE STRUCTURE CLEANING BY CLAMSHELL (W/O DISPOSAL)

The Work under this item consists of the cleaning of existing drainage structures. Work under this item shall be performed under the direction and to the satisfaction of the Highway Division Superintendent or his designee.

Drainage structures shall be cleaned along their entire circumference. Debris shall be substantially (95%) removed from the structure walls and bottoms. The proposed equipment shall be submitted for approval by the Town Engineer or his designee.

The town shall provide the contractor an area to dump the catch basin cleanings. The town will manage the stockpile area and legally dispose of the debris.

The Contract Unit Price per Each shall include all labor, materials, equipment, transportation and incidental costs required to complete the Work. The Work under this item does not include the removal and legal disposal of hazardous material.

ITEM 111 DRAINAGE STRUCTURE CLEANING BY VACUUM TRUCK (WITH DISPOSAL)

The Work under this item consists of the cleaning of existing drainage structures. The Work also includes the complete removal and legal disposal of the debris. Work under this item shall be performed under the direction and to the satisfaction of the Highway Division Superintendent or his designee.

Drainage structures shall be cleaned along their entire circumference. Debris shall be substantially (95%) removed from the structure walls and bottoms. The proposed equipment shall be submitted for approval by the Highway Division Superintendent.

The contractor shall be responsible for stockpile area management including confinement of debris, erosion control, loading, and removal of the debris. The contractor shall provide documentation of proper disposal to the town as a condition of payment. The contractor shall be responsible for any testing costs required for legal disposal of the catch basin cleanings. It is the responsibility of the

Contractor to contact each Town and determine if a staging and stockpile area is available on town property or if the contractor will have to make alternative arrangements for a legal stockpile area.

The Contract Unit Price per Each shall include all labor, materials, equipment, transportation and incidental costs required to complete the Work. The Work under this item does not include the removal and legal disposal of hazardous material.

ITEM 112 DRAINAGE STRUCTURE CLEANING BY VACUUM TRUCK (W/O DISPOSAL)

The Work under this item consists of the cleaning of existing drainage structures. The Work also includes the complete removal and legal disposal of the debris. Work under this item shall be performed under the direction and to the satisfaction of the Highway Division Superintendent or his designee.

Drainage structures shall be cleaned along their entire circumference. Debris shall be substantially (95%) removed from the structure walls and bottoms. The proposed equipment shall be submitted for approval by the Highway Division Superintendent.

The town shall provide the contractor an area to dump the catch basin cleanings. The town will manage the stockpile area and legally dispose of the debris.

The Contract Unit Price per Each shall include all labor, materials, equipment, transportation and incidental costs required to complete the Work. The Work under this item does not include the removal and legal disposal of hazardous material.

ITEM 113 DRAINAGE STRUCTURE ADJUSTED

The Work under this item shall consist of the adjustment of utility castings for overlays and minor reconstruction where said adjustment is no greater than 6 inches (rise or fall) from existing line and grade and shall conform to the relevant provisions of Sections 201, 202, and 220 of the Standard Specifications and the following:

The Contractor shall maintain the drainage (or sewer) system in the project areas or drainage facilities outside the project area affected by the work performed by the Contractor to provide continual drainage of the travelways and construction areas. All drainage (or sewer) castings required to be raised to accommodate pavement overlays shall be paid for under this item.

When in the judgment of the Engineer, the masonry below the casting shows deterioration and directs the contractor to remodel, the pay item shall be by the vertical foot and the cost per vertical foot as measured from the bottom of the existing casting, shall be paid as described in Item 108 Drainage Structure Rebuilt.

Clay brick conforming to Subsection M4.05.2 of the Standard Specifications shall be used to make grade adjustments of structure frames.

Any castings damaged due to the Contractor's operations shall be replaced with similar H-20 North American made cast iron castings at no cost to the Town.

A structure adjusted more than once by the Contractor, due to his plan of operation, will be paid for only once regardless of how many adjustments are made to the structure.

The Contract Unit Price per Each shall include all labor, materials, equipment, transportation and incidental costs required to complete the Work. No separate payment will be made for the maintenance of the existing drainage (or sewer) system, but all costs in connection therewith shall be included in the unit prices bid for the various Contract items.

ITEM 114 DRAINAGE STRUCTURE REBUILT

This item applies to the complete rebuilding of an existing structure and includes new masonry construction, backfilling around structures and other incidental work and shall conform to the relevant provisions of Sections 201 and 220 of the Standard Specifications and the following:

The Work shall consist of rebuilding, removing, replacing and adjusting the masonry units and adjusting the castings of existing structures. The casting and deteriorated masonry shall be removed in a neat manner until a clean sound base is obtained upon which concrete blocks and clay bricks may be set to rebuild the structure.

Sand borrow shall be furnished by each Town for backfill where required when excavated material is unsuitable.

Method of measurement shall be measured by the average height in vertical feet and tenths of feet from the bottom row of rebuilt masonry to the bottom of casting.

The cost of removing and replacing the casting, excavation, backfilling around structures and other incidental work shall be included in the unit price for this Item.

The Contract Unit Price per Vertical Foot shall include all labor, materials, equipment, transportation and incidental costs required to complete the Work.

ITEM 115 STEEL BEAM (WEATHERING) HIGHWAY GUARDRAIL (SINGLE FACED/WOOD POSTS)

The Work shall include the furnishing and installation of 12 gauge corrosion resistant (weathering) steel beam rails conforming to AASHTO M180 and wood posts (6" x 8" x 6') and offset blocks (6" x 6") conforming to relevant provisions of Sections 600 and M8.07.0 of the Standard Specifications and to the Construction Standards. Posts shall be set at 6 feet 3 inches on center. Standard reflectors (MHD Item 833.5 Demountable Reflectorized Delineator - Guardrail) shall be furnished and installed on every other panel at no additional cost to the Town.

The contractor shall be guaranteed a minimum of 100 linear feet/day

The measured quantity will be paid for at the Contract Unit Price per Linear Foot, which price shall include all labor, materials (including reflectors), equipment, and incidental costs required to complete the Work. If requested by a Town, the Contractor shall negotiate a fair additional for end treatments.

ITEM 115A STEEL BEAM (WEATHERING) HIGHWAY GUARDRAIL (SINGLE FACED/STEEL POSTS)

The Work shall include the furnishing and installation of 12 gauge corrosion resistant (weathering) steel beam rails conforming to AASHTO M180 and steel posts conforming to relevant provisions of Sections 600 and M8.07.0 of the Standard Specifications and to the Construction Standards. Posts shall be set at 6 feet 3 inches on center. Standard reflectors (MHD Item 833.5 Demountable Reflectorized Delineator - Guardrail) shall be furnished and installed on every other panel at no additional cost to the Town.

The contractor shall be guaranteed a minimum of 100 linear feet/day

The measured quantity will be paid for at the Contract Unit Price per Linear Foot, which price shall include all labor, materials (including reflectors), equipment, and incidental costs required to complete the Work. If requested by a Town, the Contractor shall negotiate a fair additional for end treatments.

ITEM 116 STEEL BEAM (WEATHERING) HIGHWAY GUARDRAIL (SINGLE FACED/WOOD POSTS)(INCLUDING REMOVAL AND STACKING OF EXISTING GUARDRAIL)

The Work shall include everything outlined above in the immediately preceding item plus the removal and stacking of existing guardrail of various types. If requested by a Town, the Contractor shall negotiate a fair additional cost for end treatments.

The contractor shall be guaranteed a minimum of 100 linear feet/day.

The measured quantity will be paid for at the Contract Unit Price per Linear Foot, which price shall include all labor, materials (including reflectors), equipment, and incidental costs required to complete the Work. If requested by a Town, the Contractor shall negotiate a fair additional for end treatments.

ITEM 117 STEEL BEAM (WEATHERING) HIGHWAY GUADRAIL-TERMINAL END

The Work shall include the furnishing and installation of a steel beam (weathering steel) terminal end in conjunction with Items 115 & 116 which shall consist of curved guard rail section, wood posts, offset blocks, and "boxing glove" end, conforming to AASHTO M180 and wood posts (6" x 8" x 6") and offset blocks (6" x 6") conforming to relevant provisions of Sections 601 and M8.07.0 of the Standard Specifications and to the Construction Standards. Posts shall be set at 6 feet 3 inches on center.

The measured quantity will be paid for at the Contract Unit Price per Each, which price shall include all labor, materials (including reflectors), equipment, and incidental costs required to complete the Work and shall include 13 ft long +/-curved guard rail section, wood posts, boxing glove end and Standard reflector (MHD Item 833.5 Demountable Reflectorized Delineator - Guardrail)

ITEM 117A STEEL BEAM (WEATHERING) HIGHWAY GUADRAIL-TERMINAL END

The Work shall include the furnishing and installation of a steel beam (weathering steel) terminal end in conjunction with Items 115 & 116 which shall consist of curved guard rail section, steel posts, and "boxing glove" end, conforming to AASHTO M180 and steel posts conforming to relevant provisions of the Standard Specifications and to the Construction Standards. Posts shall be set at 6 feet 3 inches on center.

The measured quantity will be paid for at the Contract Unit Price per Each, which price shall include all labor, materials (including reflectors), equipment, and incidental costs required to complete the Work and shall include 13 ft long +/-curved guard rail section, steel posts, boxing glove end and Standard reflector (MHD Item 833.5 Demountable Reflectorized Delineator - Guardrail)

ITEM 118 STEEL BEAM HIGHWAY GUARDRAIL (SINGLE FACED/WOOD POSTS)

The Work shall include the furnishing and installation of steel beam guard rail and posts conforming to the Standard Specification subsection M 8.07.0. Posts shall be set at 6 feet 3 inches on center. Standard reflectors (MHD Item 833.5 Demountable Reflectorized Delineator - Guardrail) shall be furnished and installed on every other panel at no additional cost to the Town.

Each site shall be a guaranteed minimum of 100 linear feet.

The measured quantity will be paid for at the Contract Unit Price per Linear Foot, which price shall include all labor, materials, equipment, and incidental costs required to complete the Work. If requested by a Town, the Contractor shall negotiate a fair additional cost for removal/disposal of existing guardrail and/or end treatments.

ITEM 119 STEEL-BACKED TIMBER GUARDRAIL

The Work under this Item shall conform to Sections 106, 601, 617, 710 and 716 of the U.S. Department of Transportation Federal Highway Administration Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects (FP-85), all subsequent errata and addenda, to the applicable provisions of the Standard Specifications and the following:

Materials

Timber Rail: The timber shall conform to AASHTO M 168. Fabricate the 6 by 10 inch timber rail from dry, well seasoned, and dressed rough sawn Douglas Fir, Southern Pine, or other species having a stress grade of at least 1,500 psi.

Treat the timber rail and wood elements with CCA, ACZA, or ACA preservative treatment conforming to AWPA C14 except the minimum retention shall be 0.60 lbs/ft.

Steel: Fabricate the steel backing elements from 0.375 inch structural steel conforming to AASHTO M 222 M. Fastener hardware shall conform to AASHTO M 164, Type 3.

Wood Posts: The 10" by 12" inch guardrail posts shall conform to materials for timber rail as specified above.

Guardrail Hardware: Hardware shall conform to the AASHTO – AGC – ARTBA "A Guide to Standardized Highway Barrier Hardware," 1995 Edition.

Construction Methods

The Steel-Backed Timber Guardrail shall be Type A, and the Turn-down Terminal Section shall be Type FAT – 30 or Type FAT –20 as directed by each Town.

Posts shall be placed plumb, in hand or mechanically dug holes, then backfilled with approved gravel material placed in 6 inch layers and thoroughly compacted.

Where it is possible to maintain 2-foot minimum between the back of the guardrail post and the top of a slope 2:1 or steeper, the post length may be reduced to 7 feet.

Retreat field cuts of posts and rails, where required, with two coats of preservative treatment. Field cuts shall not be in contact with the ground.

Field cut steel rails and field drill holes in the steel splice plates at joints only where required to correspond to field cut wood rails at joints. Do not modify hole and slot dimensions. Do not use torch to cut holes, slots, plates or rails.

A wooden guardrail post that has a through check, shake or end split in the same plane as, or a plane parallel to the bolt hole and extending from the top of the post to within 3 inches of the bolt hole will be rejected.

Distance between wooden posts shall be 10 feet on center. Standard reflectors (MHD Item 833.5 Demountable Reflectorized Delineator - Guardrail) shall be provided and installed every 50' on average at no additional cost to the Town.

Construct terminal sections at the locations as directed by each Town. Terminal sections consist of posts, railing, hardware, and anchorage assembly necessary to construct the turn-down terminals.

Each site shall be a guaranteed minimum of 100 linear feet.

Measurement and Payment

Steel-Backed Timber Highway Guardrail (including reflectors and turn-down terminals) will be measured by the Linear Foot along the face of rail element, including terminal sections. The quantity for Steel-Backed Timber Highway Guardrail will be paid for at the Contract Unit Price bid per Linear Foot, which price shall be full compensation for all materials, tools, equipment and labor incidental to and necessary for the completion of the work in place to the satisfaction of each Town. If requested by a Town, the Contractor shall negotiate a fair additional cost for removal/disposal of existing guardrail and/or end treatments.

ITEM 120 WOODEN GUARDRAIL

The Work shall include the furnishing and installation of wooden guardrail and posts conforming to Section M8.07.0, paragraph B.2 Wood Posts and paragraph D, Bolts, Nuts and Washers of the Standard Specifications; and, the following specifications.

All posts shall be sawed off square prior to setting. Posts shall be set plumb and to line and grade. Post spacing shall be 4'-0" on center. Single wood rails shall be erected as to form a smooth, continuous rail conforming to the required line and grade. Wood rail elements shall butt firmly against each other and joints shall occur in the direct center of the post. All bolts shall be drawn tight. Ends shall be angled downward at approximately a 30 degree angle with a 1 foot tall post unless otherwise directed by the Engineer. The end of the angled rail shall be cut to butt firmly against the horizontal rail. Rails shall be

4" x 10" x 16' pressure treated Southern Yellow Pine. Standard reflectors (MHD Item 833.5 Demountable Reflectorized Delineator - Guardrail) shall be provided and installed every 50' on average at no additional cost to the Town.

Each site shall be a guaranteed minimum of 100 linear feet.

The measured quantity will be paid for at the Contract Unit Price per Linear Foot, which price shall include all labor, materials (including reflectors), equipment, and incidental costs required to complete the Work. If requested by a Town, the Contractor shall negotiate a fair additional cost for removal/disposal of existing guardrail and/or end treatments.

ITEM 121 GRANITE CURB TYPE VB – STRAIGHT

ITEM 122 GRANITE CURB TYPE VA4 – STRAIGHT

Work under these items shall conform to the relevant provision of Section 501 of the Standard Specifications and the following:

All curbing shall be set on a bed of dry compacted gravel base. The spaces between the curb and the walls of the trench (**both front and back sides of the curb**) shall be filled with 4,000 PSI concrete to the depth directed, and shall then have a 2-inch base of Hot Mix Asphalt placed upon it. This shall ensure proper adhesion of the overlays to the existing surface.

The Contractor shall be responsible for sawcutting the existing pavement edge as directed by the Town, for excavating the area needed for the curbing and concrete installation, and for hauling and disposing of the excavated material.

The Contractor shall be responsible for meeting all current Federal and State architectural accessibility requirements. This includes but is not limited to: slopes; grades; and construction materials.

If requested by the Contractor, an additional cost per Linear Foot for transition and curved granite curbing equal to the demonstrated incremental item cost per Linear Foot can be negotiated. The incremental cost must be substantiated by invoiced costs or other means satisfactory to the Town.

The measured quantity will be paid for at the Contract Unit Price per Linear Foot and any additional cost demonstrated for transition and curved curbing, shall include all labor, materials, equipment, sawcutting, excavating, hauling, disposing, and incidental costs required to complete the Work.

ITEM 123 PAVE SHIELD PAVEMENT SEALING (1,500 SQUARE YARDS OR GREATER)

ITEM 124 PAVE SHIELD PAVEMENT SEALING (UNDER 1,500 SQUARE YARDS)

The Work shall consist of providing and installing two coats of an Engineered resin emulsion seal coat slurry (PaveShield by Neyra Industries, Inc.) over aged and new hot mix asphalt concrete pavements, and shall conform to the relevant provisions of the Standard Specifications and the following:

Testing Methods and Practices

ASTM C 136 Method for Sieve Analysis of Fine and Coarse Aggregates

ASTM D 244 Standard Test Method for Emulsified Asphalts

ASTM D 2939 Method for Testing Emulsified Bitumens used as Protective Coatings

ASTM D 3910 Practices for Design, Testing, and Construction of Slurry Seal
AASHTO T-04481 - Method for Testing the Solubility of Bituminous Materials in
Organic Solvents

Materials

Sealer (Pavement Coating): PaveShield manufactured by Neyra Industries, Inc., Cincinnati, Ohio; or approved equivalent. An engineered resin emulsion specifically formulated to extend pavement life. Physical Composition: Sealer shall meet the following requirements when tested in accordance with ASTM D2939:

Requirements	Max.	Min.
Non-Volatiles %	-	47
Water %	53	-
Ash of Non-Volatiles %	40	30
Specific Gravity	-	1.1

Drying Time: When tested according to ASTM D2939, sealer shall be “set to touch” in 1 hour, and exhibit “final set” in less than 8 hours.

Non-Flammability: The cured coating shall show no tendency to flash or ignite.

Adhesion & Resistance to Water: The cured coating shall exhibit no penetration, blistering, loss of adhesion, nor tendency to re-emulsify after immersion for 24 hours.

Oil Spot Primer: Neyra Petrobond manufactured by Neyra Industries, Inc., Cincinnati, Ohio; or approved equivalent. Water based acrylic oil spot primer compatible with pavement coating.

Sand: As recommended in printed data sheets by sealer manufacturer. Washed, dry silica sand free of dust, trash, clay, organic materials or other contaminants.

Gradation: To have an American Foundry Society grain fineness number that is no less than fifty (50) and no more than seventy (70), when tested in accordance with ASTM C 136.

Mixing Water: Potable and free from harmful soluble salts. Temperature of the water shall be a minimum fifty degrees (50) F.

Submittals

Contractor shall submit to the Owner: the trade name and manufacturer of the sealer and oil spot primer; and, the sealer and oil spot manufacturer’s printed Product Data Sheets and Technical Specifications.

At its discretion, Owner may require submittal of references, list of similar sites where the same products have been installed by Contractor, and other information needed by the Owner to complete its evaluation (see Instructions to Bidders contained herein).

Equipment

Use equipment that keeps the mixture homogeneous at all times and is capable of applying required coating weights evenly over entire width of application mechanism to provide a uniformly coated surface.

Construction Procedures

Site Examination(s): Contractor shall inspect new and existing paving surfaces for condition and defects that will adversely affect quality of work, and which cannot be put into an acceptable condition through normal preparatory work as specified herein. Contractor shall notify the Owner in writing of the specific defects found. Owner shall not be required to fix said defects unless Owner wishes to continue with the project and have the Contractor complete the sealing work. Contractor shall not be required to place the sealer over the noted defects without the defects being repaired by the Owner.

Preparation: Owner shall be responsible for: repairing any paving defects (if he chooses to continue with the work); for pre-sweeping the areas to be sealed; for providing and installing barriers needed to protect the work; and, for providing and paying for police services, if needed. Contractor shall be responsible for: final cleaning (e.g., removal of fines, if needed) of the areas to be sealed; for cleaning oil spots and treating with oil spot primer; and, for protecting adjacent curbs, walks, fences, and other items from receiving primer and coating.

Sealing: Contractor shall apply coating (sealer) when pavement temperature is at least fifty (50) degrees F. and air temperature is fifty (50) degrees F. and rising, and shall apply coating during dry weather and when rain is not anticipated within eight (8) hours after application is completed. Because of the public nature of the work sites, Contractor understands and agrees that he may not be allowed to close off an entire area (e.g., a golf course or Town Hall parking lot) all at once and may be required to complete sealing of an area over two work cycles.

Contractor shall add water to the coating mix as required for application, quantity not to exceed twenty five (25) percent of engineered resin emulsion; and, shall add three (3) to five (5) pounds of sand per gallon to the engineered resin emulsion, and mix with power equipment to a homogeneous coating. Contractor shall apply all coats uniformly at a rate of 0.14 - 0.17 gallons per square yard using mixed and diluted material. Each coat shall be allowed to cure sufficiently to take traffic without scuffing. Final coat shall be allowed to cure a minimum of twenty four (24) hours under good drying conditions before allowing traffic.

For new paved areas, Contractor shall allow new asphalt to cure at least thirty (30) days before applying pavement coating. There shall be no difference in payment if the existing surface is new asphalt or aged asphalt.

Contractor shall remove primer and coating from surfaces other than those requiring primer and coating.

Materials:

The aggregate shall be 1/4" or 3/8" durable crushed rock, consisting of the angular fragments obtained by breaking and crushing solid or shattered natural rock, and free from a detrimental quantity of thin, flat, elongated or other objectionable pieces. The crushed stone shall have a maximum percentage of wear as determined by the Los Angeles Abrasion Test (AASHTO-T-96) and shall be uniformly blended meeting Section M2.01.6 of the Standard Specifications. Crushed gravel will not be permitted.

The asphalt emulsion shall be a Cationic Asphalt Emulsion CRS-2 or CMS-2.

Properties:

Viscosity, Saybolt Furol @ 122 degrees F (50 degrees C),s	300
Sieve Test, %	.02
Residue by distillation, %	67
Test on residue from distillation test:	
Penetration, 77 degrees F (25 degrees C) 100g, 5 s	140
Ductility, 77 degrees F (25 degrees C), 5 cm/min, cm	60
Solubility in 35richloroethylene, %	99

SP-27

The anti-track material shall be Black Beauty, as manufactured by the Reed Minerals Slag Products, a division of HARCO Corp. in Highland, Indiana or an approved equal.

Measurement and Payment

The measured quantity will be paid for at the Contract Unit Price per Square Yard, which price shall include all labor, materials, equipment, and incidental costs required to satisfactorily complete the work (including oil spot cleaning and priming).

ITEM 125 MODIFIED ASPHALT-FIBER CRACKFILLER

The Work under this item shall include the preparation of cracks in existing bituminous concrete pavement which may be overlain with new bituminous concrete or stone seal, and the filling of the prepared cracks with a modified asphalt-fiber compound. Work shall be completed on bituminous concrete in an "as is" condition (e.g. Towns will not sweep areas beforehand).

The crackfilling material shall be a modified asphalt-fiber compound designed especially for improving strength and performance of the parent asphalt sealant. The asphalt binder shall consist of a blend of neat asphalt binder and chemically modified crumb rubber (CMCR) that meets the following specifications:

PG 64-28 or PG 70-28 after modification.

Viscosity of not more than 3PaS at 300 degrees F.

Modification at a minimum shall consist of 5% CMCR and the maximum particle size for the CMCR shall be 80 mesh (#80 sieve).

The performance grade of the neat asphalt binder shall not exceed a PG 58-XX.

The asphalt supplier shall provide testing for the neat asphalt binder and modified asphalt binder in accordance with AASHTO M320.

Fiber reinforcing materials shall be short-length polyester fibers having the following properties:

Length* 0.25in.+0.02
Elongation at Break; ASTM D2256-90 38%
Melting Point; ASTM D3418-82 >475 degrees F (246 degrees C)
Crimps/Inc; ASTM D3937-90 None
Cross Section Round
Denier; ASTM D1577-90 4.5 Nominal dpf
Tensile Strength; ASTM D2256-90 >70,000 psi
Diameter 0.0085 in. **
Specific Gravity; ASTM D792-91 1.32 to 1.40

* At temperatures ranging from ambient to maximum finished product mix temperature

** Subject to Normal Variations

Modified asphalt-fiber compound shall be mixed at a rate of 8% fiber weight to weight of asphalt cement.

Only cracks larger than 1/4-inch in width, as determined by the Engineer, shall be sealed. Overbanding shall not exceed 4" in width after placement. **Expansion of the overband by traffic or weather will result in a deduction in the total gallons applied equal to the ratio of the expansion to the overband.** (As an example, a 1" expansion of a 4" overband will result in a 25% deduction in the total gallons of crackfiller applied.)

The air compressor shall be portable and capable of furnishing not less than 100 cubic feet of air per minute at a pressure of not less than 90 pounds per square inch at the nozzle. The compressor shall be equipped with traps that will maintain the compressed air free of oil and water. Manually operated, gas powered air-broom or self-propelled sweeper designed especially for use in cleaning roadway pavements shall be used to remove debris, dirt, and dust from the cracks.

The melting kettle required to melt the joint sealing compound shall be an indirect fired type double-walled boiler. The space between the inner and outer walls shall be filled with a suitable heat transfer oil or substitute having a flash point of not less than 600 degrees Fahrenheit. The kettle must be equipped with a satisfactory means of agitating the joint sealer at all times by continuous stirring with mechanically operated paddles and/or by a continuous circulating gear pump attached to the heating unit. The kettle must be equipped with a thermostatic control calibrated between 200 degrees F and 550 degrees F and must be capable of pumping an 8% fiber content blend.

The equipment used in the performance of the required Work shall be subject to the approval of the Engineer and shall be maintained in a satisfactory working condition at all times.

All cracks shall be thoroughly cleaned (including vegetation) by blowing with compressed air or other approved method just prior to the placement of the joint sealing material. All cracks shall be sterilized by use of a propane air torch generating 2,000 degrees F. and 3,000 foot/second velocity to eliminate all

vegetation, dirt, moisture and seeds. All debris removed from the cracks shall be removed from the pavement surface immediately by means of a power sweeper, hand or air broom. No crackfiller material shall be placed in wet cracks or where snow, ice, or frost are present, nor when the air temperature is below 32 degrees F.

The asphalt-fiber compound shall be thoroughly mixed for a minimum of one (1) hour before application can begin. Whenever material is added to the tank, sealing operations shall be suspended for one (1) hour to allow for the minimum required mixing time. Minimum application temperature shall be 320 degrees F.

Fibers and CMCR shall be added in the presence of the Engineer and shall be added only once for each individual batch mixed in order to insure a consistent concentration of fibers in the compound. Adding fibers and other materials "on-the-fly" will not be allowed.

Sealant shall be delivered to the pavement cracks through a high pressure hose line and applicator shoe. A boiler slag aggregate shall be broadcast over the cracks to prevent sealant from being picked up. Modified asphalt-fiber crack filler will be measured for payment by the actual number of gallons of filler applied to the pavement. Modified asphalt-fiber crack filler will be paid for at the Contract Unit Price per Gallon, which price shall include all labor, material, equipment and incidental costs required to complete the Work.

ITEM 126 RUBBER CRACK FILLER

Crack sealant material shall be asphalt-vulcanized rubber material conforming to the following requirements:

1. The asphalt shall have a maximum penetration of 150 when tested in accordance with the procedure specified by the applicable AASHTO specification.
2. The granulated curb rubber (100% vulcanized) shall meet the following requirements:

PASSING SIEVE PERCENT

No. 8, 100

No. 10, 98 – 100

No. 40, 0 – 100

The specific gravity of the granulated curb rubber shall be 1.15 ±0.02 and shall be free of fabric, wire or other contaminated materials, except that up to four percent of calcium carbonate may be included to prevent particles from sticking together. Rubber materials shall be packaged in boxes of approximately 60-lb. weight, with a polyethylene liner. The boxes shall be placed on pallets and covered with a weather resistant covering. Equipment used by the Contractor shall be specifically manufactured for this purpose.

PREPARATION

1. Prior to application of hot asphalt-rubber sealant, joints and cracks shall be cleaned to remove dust, dirt, moisture and foreign material or old sealant.

2. Asphalt-rubber sealant material shall be unboxed and placed in joint and crack sealing machine for heating and mixing. The asphalt-rubber shall be heated to a minimum temperature of 300°F. The material shall be held in the mixing tank at application temperature until very little separation of the rubber and asphalt occurs when a bead of sealant material is placed on the pavement. Sealant material may be added to the mix as long as the minimum temperature of 300°F is maintained.

APPLICATION

1. Cracks shall be sealed from the bottom up. Sealant material shall be applied so it is flush with the surface.
2. Traffic shall not be allowed on the material until it has cured or until it has been sanded to prevent tracking.

PAYMENT

Rubber crack filler will be measured for payment by the actual number of gallons of filler applied to the pavement. Rubber crack filler will be paid for at the Contract Unit Price per Gallon, which price shall include all labor, material, equipment and incidental costs required to complete the Work.

ITEM 200 HOT MIX ASPHALT PAVEMENT (LOADED ON TOWN TRUCKS)

Bituminous Concrete (Hot Mix Asphalt) shall be manufactured in conformance with the material, composition, mixing, testing and plant requirements of Standard Specification Section M3. Top course mix, binder course mix and dense mix shall be furnished, as required, and loaded on Town trucks.

ITEM 201 SAND BORROW

ITEM 202 LOAM BORROW

Sand and Loam Borrow materials shall conform to the following Standard Specification subsections:

Sand Borrow - for Winter Maintenance - M 1.04.0 Type a (Washed)

Loam Borrow - M 1.05.0

Sand shall be washed and screened through a one quarter inch (1/4") screen. The sand must be coarse and free from clay, silty loam and other undesirable materials. Deliveries of sand shall be made during the vendor's normal business hours, Monday through Friday. A Town may require, at its discretion, that emergency deliveries must be made during other periods to include Saturdays, Sundays, Holidays and non-business hours Monday through Friday at no extra cost to the Town. The vendor shall complete normal and emergency deliveries within a 12 hour period after receiving a request for delivery (maximum delivery 1,000 tons per 12 hours).

Loam borrow shall be screened to removed all stones and other material larger than 1 inch.

ITEM 203 1-1/2" CRUSHED STONE (DOUBLE WASHED)

ITEM 204 3/4" CRUSHED STONE (DOUBLE WASHED)

ITEM 205 3/8" PEASTONE (DOUBLE WASHED)

ITEM 206 3/4" DENSE GRADES CRUSHED STONE

Aggregate materials shall conform to the following Standard Specification subsections:

Crushed Stone - M 2.01.1 through 2.01.6 (double washed)

Dense Graded Crushed Stone - M 2.01.7 (3/4")

A requirement for all grades of crushed stone (except dense graded) shall be that not more than 0.3% of unsatisfactory material shall pass a No.4 sieve.

ITEM 207 RECYCLED ASPHALT

The recycled asphalt material shall meet the following gradation requirements:

Sieve Designation	Percentage By Weight Passing Through
3"	100
1-1/2"	70 - 100
3/4"	50 - 85
#4	30 - 60
#50	8 - 24

The stone and sand material shall consist of inert material that is hard, angular, and durable, and free from cement concrete, brick, reinforcing steel, glass, wood, building rubble, loam and clay and other deleterious materials. Native round stone and materials that break up when alternately frozen and thawed or wetted and dried shall not be used. The material shall be "T-base" as manufactured by Aggregate Industries, Inc. or approved equivalent.

Each stockpile shall be tested (at no additional cost to the Town) for sieve analysis and California Bearing Ratio (CBR) by an independent, qualified Massachusetts laboratory. The certified results shall be equal to or

greater than that of gravel borrow (M1.03.0 type b), and the certifications shall be supplied to each Town. The processed material shall be stockpiled in such a manner as to minimize segregation of particle sizes. All recycled pavement material shall come from approved stockpiles.

The material shall be subject to review and approval by a Town prior to delivery.

ITEM 208 4'x4' PRECAST LEACH GALLEY

ITEM 209 1,000 GALLON PRECAST SOLID CATCH BASIN

ITEM 210 1,000 GALLON PRECAST LEACH BASIN

ITEM 211 4' DIAMETER PRECAST CATCH BASIN W/OFFSET TOP

All precast structures shall be capable of withstanding H-20 loading with a minimum concrete strength of 4,000 psi @ 28 days. Steel reinforcement shall be Grade 60 meeting ASTM-A-615 requirements.

The 1,000 Gallon Precast Solid Catch Basin shall have a solid bottom or include a 6' diameter Basin Pad meeting the same requirements as the structures. The cost of the Base Pad shall be included with the cost of the structure.

The 4' Diameter Precast Catch Basin w/Offset Top shall have separate top with an offset opening. The structure shall have a 4 foot deep sump below the outlet pipe.

The Town shall specify the hole diameter and hole location(s) at the time of order.

The manufacturer shall deliver the structure to the Town DPW or at the installation location as specified by the Town.

Payment for the precast drainage structures shall be by the Contract Unit Price per Each delivered.

ITEM 212 PRECAST GUTTER INLET EACH

ITEM 213 8" FRAME AND COVER EACH

ITEM 214 8" FRAME AND GRATE MUNICIPAL STANDARD EACH

ITEM 215 12" HOOD EACH

ITEM 216 12" REINFORCED CONCRETE PIPE (CLASS IV) EACH

ITEM 217 12" CORRUGATED PLASTIC (POLYETH.) PIPE EACH

All precast structures shall be capable of withstanding H-20 loading with a minimum concrete strength of 4,000 psi @ 28 days. Steel reinforcement shall be Grade 60 meeting ASTM-A-61 5 requirements. Gutter Inlets shall Acme-Shorey Model GI or similar with minimum outside dimensions of 30" by 30" and capable of withstanding an HS-20 load.

The word "DRAIN" shall be prominently cast in the top of all drain manhole covers. Frame and Covers shall be East Jordan Iron Works Massachusetts Standards Manhole Frame and Cover Type B or similar 8" frame and cover matching MassDOT Constructions Details E 202.7.0.

Frame and Grates shall be East Jordan Iron Works LF248-4-40 or similar 8" frame and grate matching MassDOT Construction Details E 201.6.0

Reinforced Concrete Pipe shall conform to MassDOT Section M5.02.1 and the AASHTO M170 for Standard Strength Reinforced Concrete Culvert Pipe for class III Pipe, Wall B. Pipes shall be of the bell and spigot type and capable of supporting an HS-20 live load. A preformed flexible plastic sealing compound of Butyl Mastic Rope Sealer " 1" size, "EZ Stick" as manufactured by Concrete Products supply or an approved equal shall be provided for sealing watertight joints.

Corrugated Plastic (Polyethylene) Pipe shall conform to MassDOT Section M5.03.10. Pipe shall be smooth interior wall and corrugated exterior wall, and be water-tight. Pipe shall be minimum 12- inch diameter. Ends shall be bell-and-spigot and comply with the requirements for test methods, dimensions and markings found in AASHTO Designations M252 and M294. Pipe shall support an HS-20 live load with a maximum deflection of 5% of the minimum pipe diameter. Pipe and fittings shall be made from virgin polyethylene compounds which conform to the applicable current edition of the AASHTO Material Specifications for cell classification as defined and described in ASTM D3350. Nominal sizes of 12- to 60- inch shall be either AASHTO Type 'S' or Type 'D

Catch basin hoods shall protrude no more than 12 inches beyond the end of pipe into the structure. Acceptable hoods are Ground Water Rescue Inc. Eliminator, Best Management Practices Inc. Snout® or equal lightweight hood.

ITEM 218 RIPRAP

Material shall conform to the provisions of Section M2.02.2 of the latest Massachusetts Department of Transportation Standard Specifications and the following:

Stone for dumped riprap shall be hard, durable, angular in shape, resistant to weathering and shall meet the gradation requirement specified below. Rounded stones, boulders, sandstone or similar soft stone or relatively thin slabs will not be acceptable.

MAXIMUM PERCENT OF TOTAL WEIGHT

SIZE OF STONE	SMALLER THAN GIVEN SIZE
400 lb.	100
300 lb.	80
200 lb.	50
*25 lb.	10

*No more than 5% by weight shall pass a 2 in. sieve.

Each stone shall weigh not less-than 50 pounds and at least 75% of the volume shall consist of stones weighing not less than 500 pounds each. The remainder of the stones shall be so graded that when placed with the larger stones the entire mass will be compact.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Item A2 RIP RAP shall be paid at the price per TON, which shall be the full payment of all labor, materials, equipment, tools and other incidentals necessary for the delivery of the material to the Eastham DPW Yard, based on truck weight slips.

CONTRACT SIGNATURES

In Witness whereof, the parties to these present have hereunto set their hands and seals, Barnstable County, who incurs no personal liability by reason of the execution hereof or anything herein contained, on the day and year hereinbefore first written and who hereby certifies under penalties of perjury that all the applicable provisions of General Laws, Chapter 149 Section 44J, have been complied with.

The undersigned further certifies under penalties of perjury that the said undersigned is not presently debarred from doing public construction work in the Commonwealth under provisions of section twenty-nine F of Chapter twenty-nine. or any other applicable debarment provisions of any other chapter of the General Laws or any rule or regulation promulgated thereunder.

BARNSTABLE COUNTY

BY _____

Date

FIRM NAME _____

BY _____

Date

**CERTIFICATE OF COMPLIANCE WITH STATE TAX LAWS AND
WITH UNEMPLOYMENT COMPENSATION CONTRIBUTION REQUIREMENTS**

Pursuant to M.G.L., Ch. 62C, s. 49A and M.G.L. Ch. 151A, s. 1 9A, I, _____ authorized
signatory for _____ whose principal place of business is at
_____ do hereby certify under penalties of perjury that
_____ has filed all state tax returns and paid all taxes as required by law
and has complied with all state laws pertaining to contributions to the unemployment compensation fund
and to payments in lieu of contributions.

The Business Organization Federal Identification Number or Social Security Number is _____

Signed under the penalties of perjury the _____ day of _____ 20 _____

Signature: _____

Name and Title: _____

If a corporation, complete below or attach to each signed copy of a Contract a notarized copy of vote of corporation authorizing the signatory to sign this Contract. If attesting clerk is same as individual executing Contract have signature notarized below.

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

held on _____ at which all the Directors were present or waived notice,
(Date)

it was **VOTED** That,

(Name) (Officer)

of this company be and hereby is authorized to execute Contract and bonds in the name and behalf of said company, and affix its corporate seal thereto, and such execution of and Contract or obligation in this company's name on its behalf by such _____ of the company,
(Officer)
shall be valid and binding upon this company.

I hereby certify that I am the Clerk of the _____

_____ that _____ is duly elected

_____ of said company, and that the above has not been amended or rescinded
(Officer)

and remains in full force and effect as of the date of this Contract.

a true copy,

ATTEST _____
Clerk

Place Of Business _____

Corporate
_____ Seal

SWORN TO AND SUBSCRIBED BEFORE ME THIS _____ DAY OF _____, 20 ____

NOTARY PUBLIC

PAYMENT BOND

Know all persons by these presents, that _____

as principal, and _____ as surety, are held and firmly bound

unto Barnstable County in the sum _____ lawful money of the United States of America, to be paid to Barnstable County, for which payments, will 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 Barnstable County

bearing date of _____, 20 ____, for the construction of Project No. _____

Titled: _____

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 virtue.

In witness whereof we hereunto set our hand and seals this _____ day of _____, 20____.

_____(Seal) BY _____

(Print Name of General Contractor)

(Print Name of Surety) In witness

_____(Seal) BY _____

(Signature - Title)

(Signature - Title)

Surety Address _____

Countersigned Mass. Resident Agent - By: _____

Agent's Address _____

Telephone No. _____



CHARLES D. BAKER
Governor

KARYN E. POLITO
Lt. Governor

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

Prevailing Wage Rates

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

ROSALIN ACOSTA
Secretary
MICHAEL FLANAGAN
Director

Awarding Authority: Barnstable County
Contract Number: **City/Town:** BARNSTABLE
Description of Work: Barnstable County on behalf of the Towns in the County requests bids from qualified contractors for Miscellaneous Public Works and Roadway Materials.
Job Location: Barnstable County - Various

Information about Prevailing Wage Schedules for Awarding Authorities and Contractors

- This wage schedule applies only to the specific project referenced at the top of this page and uniquely identified by the “Wage Request Number” on all pages of this schedule.
 - An Awarding Authority must request an updated wage schedule from the Department of Labor Standards (“DLS”) if it has not opened bids or selected a contractor within 90 days of the date of issuance of the wage schedule. For CM AT RISK projects (bid pursuant to G.L. c.149A), the earlier of: (a) the execution date of the GMP Amendment, or (b) the bid for the first construction scope of work must be within 90-days of the wage schedule issuance date.
 - The wage schedule shall be incorporated in any advertisement or call for bids for the project as required by M.G.L. c. 149, § 27. The wage schedule shall be made a part of the contract awarded for the project. The wage schedule must be posted in a conspicuous place at the work site for the life of the project in accordance with M.G.L. c. 149 § 27. The wages listed on the wage schedule must be paid to employees performing construction work on the project whether they are employed by the prime contractor, a filed sub-bidder, or any sub-contractor.
 - All apprentices working on the project are required to be registered with the Massachusetts 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>	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>	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>	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 2)</i>	08/01/2020	\$103.05	\$9.40	\$23.12	\$0.00	\$135.57
For apprentice rates see "Apprentice- PILE DRIVER"						
AIR TRACK OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2020	\$35.41	\$8.60	\$16.06	\$0.00	\$60.07
	06/01/2021	\$36.33	\$8.60	\$16.06	\$0.00	\$60.99
	12/01/2021	\$37.24	\$8.60	\$16.06	\$0.00	\$61.90
	06/01/2022	\$38.14	\$8.60	\$16.06	\$0.00	\$62.80
	12/01/2022	\$38.99	\$8.60	\$16.06	\$0.00	\$63.65
	06/01/2023	\$39.89	\$8.60	\$16.06	\$0.00	\$64.55
	12/01/2023	\$40.79	\$8.60	\$16.06	\$0.00	\$65.45
For apprentice rates see "Apprentice- LABORER"						
AIR TRACK OPERATOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2020	\$35.41	\$8.60	\$16.06	\$0.00	\$60.07
	06/01/2021	\$36.33	\$8.60	\$16.06	\$0.00	\$60.99
	12/01/2021	\$37.24	\$8.60	\$16.06	\$0.00	\$61.90
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
ASBESTOS WORKER (PIPES & TANKS) <i>HEAT & FROST INSULATORS LOCAL 6 (SOUTHERN MASS)</i>	12/01/2020	\$38.10	\$12.80	\$9.45	\$0.00	\$60.35
ASPHALT RAKER <i>LABORERS - ZONE 2</i>	12/01/2020	\$34.91	\$8.60	\$16.06	\$0.00	\$59.57
	06/01/2021	\$35.83	\$8.60	\$16.06	\$0.00	\$60.49
	12/01/2021	\$36.74	\$8.60	\$16.06	\$0.00	\$61.40
	06/01/2022	\$37.64	\$8.60	\$16.06	\$0.00	\$62.30
	12/01/2022	\$38.49	\$8.60	\$16.06	\$0.00	\$63.15
	06/01/2023	\$39.39	\$8.60	\$16.06	\$0.00	\$64.05
	12/01/2023	\$40.29	\$8.60	\$16.06	\$0.00	\$64.95
For apprentice rates see "Apprentice- LABORER"						
ASPHALT RAKER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2020	\$34.91	\$8.60	\$16.06	\$0.00	\$59.57
	06/01/2021	\$35.83	\$8.60	\$16.06	\$0.00	\$60.49
	12/01/2021	\$36.74	\$8.60	\$16.06	\$0.00	\$61.40
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$49.98	\$13.50	\$15.70	\$0.00	\$79.18
	06/01/2021	\$51.08	\$13.50	\$15.70	\$0.00	\$80.28
	12/01/2021	\$52.23	\$13.50	\$15.70	\$0.00	\$81.43
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
BACKHOE/FRONT-END LOADER <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$49.98	\$13.50	\$15.70	\$0.00	\$79.18
	06/01/2021	\$51.08	\$13.50	\$15.70	\$0.00	\$80.28
	12/01/2021	\$52.23	\$13.50	\$15.70	\$0.00	\$81.43
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BARCO-TYPE JUMPING TAMPER <i>LABORERS - ZONE 2</i>	12/01/2020	\$34.91	\$8.60	\$16.06	\$0.00	\$59.57
	06/01/2021	\$35.83	\$8.60	\$16.06	\$0.00	\$60.49
	12/01/2021	\$36.74	\$8.60	\$16.06	\$0.00	\$61.40
	06/01/2022	\$37.64	\$8.60	\$16.06	\$0.00	\$62.30
	12/01/2022	\$38.49	\$8.60	\$16.06	\$0.00	\$63.15
	06/01/2023	\$39.39	\$8.60	\$16.06	\$0.00	\$64.05
	12/01/2023	\$40.29	\$8.60	\$16.06	\$0.00	\$64.95
For apprentice rates see "Apprentice- LABORER"						
BLOCK PAVER, RAMMER / CURB SETTER <i>LABORERS - ZONE 2</i>	12/01/2020	\$35.41	\$8.60	\$16.06	\$0.00	\$60.07
	06/01/2021	\$36.33	\$8.60	\$16.06	\$0.00	\$60.99
	12/01/2021	\$37.24	\$8.60	\$16.06	\$0.00	\$61.90
	06/01/2022	\$38.14	\$8.60	\$16.06	\$0.00	\$62.80
	12/01/2022	\$38.99	\$8.60	\$16.06	\$0.00	\$63.65
	06/01/2023	\$39.89	\$8.60	\$16.06	\$0.00	\$64.55
	12/01/2023	\$40.79	\$8.60	\$16.06	\$0.00	\$65.45
For apprentice rates see "Apprentice- LABORER"						
BLOCK PAVER, RAMMER / CURB SETTER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2020	\$35.41	\$8.60	\$16.06	\$0.00	\$60.07
	06/01/2021	\$36.33	\$8.60	\$16.06	\$0.00	\$60.99
	12/01/2021	\$37.24	\$8.60	\$16.06	\$0.00	\$61.90
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
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

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING) <i>BRICKLAYERS LOCAL 3 (NEW BEDFORD)</i>	08/01/2020	\$55.75	\$10.75	\$22.09	\$0.00	\$88.59
	02/01/2021	\$55.75	\$11.39	\$22.09	\$0.00	\$89.23
	08/01/2021	\$57.15	\$11.39	\$22.25	\$0.00	\$90.79
	02/01/2022	\$57.74	\$11.39	\$22.25	\$0.00	\$91.38

Apprentice - BRICK/PLASTER/CEMENT MASON - Local 3 New Bedford

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

Effective Date - 02/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$27.88	\$11.39	\$22.09	\$0.00	\$61.36
2	60	\$33.45	\$11.39	\$22.09	\$0.00	\$66.93
3	70	\$39.03	\$11.39	\$22.09	\$0.00	\$72.51
4	80	\$44.60	\$11.39	\$22.09	\$0.00	\$78.08
5	90	\$50.18	\$11.39	\$22.09	\$0.00	\$83.66

Notes:

Apprentice to Journeyworker Ratio:1:5

BULLDOZER/GRADER/SCRAPER <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$49.45	\$13.50	\$15.70	\$0.00	\$78.65
	06/01/2021	\$50.54	\$13.50	\$15.70	\$0.00	\$79.74
	12/01/2021	\$51.68	\$13.50	\$15.70	\$0.00	\$80.88

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

CAISSON & UNDERPINNING BOTTOM MAN <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2020	\$41.05	\$8.60	\$17.47	\$0.00	\$67.12
	06/01/2021	\$42.07	\$8.60	\$17.47	\$0.00	\$68.14
	12/01/2021	\$43.08	\$8.60	\$17.47	\$0.00	\$69.15

For apprentice rates see "Apprentice- LABORER"

CAISSON & UNDERPINNING LABORER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2020	\$39.90	\$8.60	\$17.47	\$0.00	\$65.97
	06/01/2021	\$40.92	\$8.60	\$17.47	\$0.00	\$66.99
	12/01/2021	\$41.93	\$8.60	\$17.47	\$0.00	\$68.00

For apprentice rates see "Apprentice- LABORER"

CAISSON & UNDERPINNING TOP MAN <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2020	\$39.90	\$8.60	\$17.47	\$0.00	\$65.97
	06/01/2021	\$40.92	\$8.60	\$17.47	\$0.00	\$66.99
	12/01/2021	\$41.93	\$8.60	\$17.47	\$0.00	\$68.00

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
CARBIDE CORE DRILL OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2020	\$34.91	\$8.60	\$16.06	\$0.00	\$59.57
	06/01/2021	\$35.83	\$8.60	\$16.06	\$0.00	\$60.49
	12/01/2021	\$36.74	\$8.60	\$16.06	\$0.00	\$61.40
	06/01/2022	\$37.64	\$8.60	\$16.06	\$0.00	\$62.30
	12/01/2022	\$38.49	\$8.60	\$16.06	\$0.00	\$63.15
	06/01/2023	\$39.39	\$8.60	\$16.06	\$0.00	\$64.05
	12/01/2023	\$40.29	\$8.60	\$16.06	\$0.00	\$64.95

For apprentice rates see "Apprentice- LABORER"

CARPENTER <i>CARPENTERS -ZONE 2 (Eastern Massachusetts)</i>	09/01/2020	\$42.94	\$9.40	\$18.95	\$0.00	\$71.29
	03/01/2021	\$43.54	\$9.40	\$18.95	\$0.00	\$71.89
	09/01/2021	\$44.19	\$9.40	\$18.95	\$0.00	\$72.54
	03/01/2022	\$44.79	\$9.40	\$18.95	\$0.00	\$73.14
	09/01/2022	\$45.44	\$9.40	\$18.95	\$0.00	\$73.79
	03/01/2023	\$46.04	\$9.40	\$18.95	\$0.00	\$74.39

Apprentice - CARPENTER - Zone 2 Eastern MA

Effective Date - 09/01/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.47	\$9.40	\$1.73	\$0.00	\$32.60
2	60	\$25.76	\$9.40	\$1.73	\$0.00	\$36.89
3	70	\$30.06	\$9.40	\$13.76	\$0.00	\$53.22
4	75	\$32.21	\$9.40	\$13.76	\$0.00	\$55.37
5	80	\$34.35	\$9.40	\$15.49	\$0.00	\$59.24
6	80	\$34.35	\$9.40	\$15.49	\$0.00	\$59.24
7	90	\$38.65	\$9.40	\$17.22	\$0.00	\$65.27
8	90	\$38.65	\$9.40	\$17.22	\$0.00	\$65.27

Effective Date - 03/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.77	\$9.40	\$1.73	\$0.00	\$32.90
2	60	\$26.12	\$9.40	\$1.73	\$0.00	\$37.25
3	70	\$30.48	\$9.40	\$13.76	\$0.00	\$53.64
4	75	\$32.66	\$9.40	\$13.76	\$0.00	\$55.82
5	80	\$34.83	\$9.40	\$15.49	\$0.00	\$59.72
6	80	\$34.83	\$9.40	\$15.49	\$0.00	\$59.72
7	90	\$39.19	\$9.40	\$17.22	\$0.00	\$65.81
8	90	\$39.19	\$9.40	\$17.22	\$0.00	\$65.81

Notes:

% Indentured After 10/1/17; 45/45/55/55/70/70/80/80
Step 1&2 \$30.45/ 3&4 \$36.42/ 5&6 \$54.95/ 7&8 \$60.97

Apprentice to Journeyworker Ratio:1:5

CARPENTER WOOD FRAME <i>CARPENTERS-ZONE 3 (Wood Frame)</i>	04/01/2020	\$22.66	\$7.21	\$4.80	\$0.00	\$34.67
	04/01/2021	\$23.16	\$7.21	\$4.80	\$0.00	\$35.17
	04/01/2022	\$23.66	\$7.21	\$4.80	\$0.00	\$35.67
	04/01/2023	\$24.16	\$7.21	\$4.80	\$0.00	\$36.17

Classification

All Aspects of New Wood Frame Work

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - CARPENTER (Wood Frame) - Zone 3

Effective Date - 04/01/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$13.60	\$7.21	\$0.00	\$0.00	\$20.81
2	60	\$13.60	\$7.21	\$0.00	\$0.00	\$20.81
3	65	\$14.73	\$7.21	\$0.00	\$0.00	\$21.94
4	70	\$15.86	\$7.21	\$0.00	\$0.00	\$23.07
5	75	\$17.00	\$7.21	\$3.80	\$0.00	\$28.01
6	80	\$18.13	\$7.21	\$3.80	\$0.00	\$29.14
7	85	\$19.26	\$7.21	\$3.80	\$0.00	\$30.27
8	90	\$20.39	\$7.21	\$3.80	\$0.00	\$31.40

Effective Date - 04/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$13.90	\$7.21	\$0.00	\$0.00	\$21.11
2	60	\$13.90	\$7.21	\$0.00	\$0.00	\$21.11
3	65	\$15.05	\$7.21	\$0.00	\$0.00	\$22.26
4	70	\$16.21	\$7.21	\$0.00	\$0.00	\$23.42
5	75	\$17.37	\$7.21	\$3.80	\$0.00	\$28.38
6	80	\$18.53	\$7.21	\$3.80	\$0.00	\$29.54
7	85	\$19.69	\$7.21	\$3.80	\$0.00	\$30.70
8	90	\$20.84	\$7.21	\$3.80	\$0.00	\$31.85

Notes:

% Indentured After 10/1/17; 45/45/55/55/70/70/80/80
 Step 1&2 \$17.41/ 3&4 \$19.67/ 5&6 \$26.87/ 7&8 \$29.14

Apprentice to Journeyworker Ratio:1:5

CEMENT MASONRY/PLASTERING BRICKLAYERS LOCAL 3 (NEW BEDFORD)	01/01/2020	\$49.07	\$12.75	\$22.41	\$0.62	\$84.85
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Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - CEMENT MASONRY/PLASTERING - Eastern Mass (New Bedford)

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 <i>LABORERS - ZONE 2</i>	12/01/2020	\$34.91	\$8.60	\$16.06	\$0.00	\$59.57
	06/01/2021	\$35.83	\$8.60	\$16.06	\$0.00	\$60.49
	12/01/2021	\$36.74	\$8.60	\$16.06	\$0.00	\$61.40
	06/01/2022	\$37.64	\$8.60	\$16.06	\$0.00	\$62.30
	12/01/2022	\$38.49	\$8.60	\$16.06	\$0.00	\$63.15
	06/01/2023	\$39.39	\$8.60	\$16.06	\$0.00	\$64.05
	12/01/2023	\$40.29	\$8.60	\$16.06	\$0.00	\$64.95
For apprentice rates see "Apprentice- LABORER"						
CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$50.98	\$13.50	\$15.70	\$0.00	\$80.18
	06/01/2021	\$52.08	\$13.50	\$15.70	\$0.00	\$81.28
	12/01/2021	\$53.23	\$13.50	\$15.70	\$0.00	\$82.43
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
COMPRESSOR OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$33.00	\$13.50	\$15.70	\$0.00	\$62.20
	06/01/2021	\$33.75	\$13.50	\$15.70	\$0.00	\$62.95
	12/01/2021	\$34.54	\$13.50	\$15.70	\$0.00	\$63.74
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
DELEADER (BRIDGE) <i>PAINTERS LOCAL 35 - ZONE 2</i>	01/01/2021	\$52.06	\$8.25	\$22.75	\$0.00	\$83.06

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER Local 35 - BRIDGES/TANKS

Effective Date - 01/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$26.03	\$8.25	\$0.00	\$0.00	\$34.28
2	55	\$28.63	\$8.25	\$6.16	\$0.00	\$43.04
3	60	\$31.24	\$8.25	\$6.72	\$0.00	\$46.21
4	65	\$33.84	\$8.25	\$7.28	\$0.00	\$49.37
5	70	\$36.44	\$8.25	\$19.39	\$0.00	\$64.08
6	75	\$39.05	\$8.25	\$19.95	\$0.00	\$67.25
7	80	\$41.65	\$8.25	\$20.51	\$0.00	\$70.41
8	90	\$46.85	\$8.25	\$21.63	\$0.00	\$76.73

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

DEMO: ADZEMAN LABORERS - ZONE 2	12/01/2020	\$40.05	\$8.60	\$17.32	\$0.00	\$65.97
	06/01/2021	\$41.07	\$8.60	\$17.32	\$0.00	\$66.99
	12/01/2021	\$42.08	\$8.60	\$17.32	\$0.00	\$68.00
	06/01/2022	\$43.08	\$8.60	\$17.32	\$0.00	\$69.00
	12/01/2022	\$44.08	\$8.60	\$17.32	\$0.00	\$70.00
	06/01/2023	\$45.08	\$8.60	\$17.32	\$0.00	\$71.00
	12/01/2023	\$46.33	\$8.60	\$17.32	\$0.00	\$72.25

For apprentice rates see "Apprentice- LABORER"

DEMO: BACKHOE/LOADER/HAMMER OPERATOR LABORERS - ZONE 2	12/01/2020	\$41.05	\$8.60	\$17.32	\$0.00	\$66.97
	06/01/2021	\$42.07	\$8.60	\$17.32	\$0.00	\$67.99
	12/01/2021	\$43.08	\$8.60	\$17.32	\$0.00	\$69.00
	06/01/2022	\$44.08	\$8.60	\$17.32	\$0.00	\$70.00
	12/01/2022	\$45.08	\$8.60	\$17.32	\$0.00	\$71.00
	06/01/2023	\$46.08	\$8.60	\$17.32	\$0.00	\$72.00
	12/01/2023	\$47.33	\$8.60	\$17.32	\$0.00	\$73.25

For apprentice rates see "Apprentice- LABORER"

DEMO: BURNERS LABORERS - ZONE 2	12/01/2020	\$40.80	\$8.60	\$17.32	\$0.00	\$66.72
	06/01/2021	\$41.82	\$8.60	\$17.32	\$0.00	\$67.74
	12/01/2021	\$42.83	\$8.60	\$17.32	\$0.00	\$68.75
	06/01/2022	\$43.83	\$8.60	\$17.32	\$0.00	\$69.75
	12/01/2022	\$44.83	\$8.60	\$17.32	\$0.00	\$70.75
	06/01/2023	\$45.83	\$8.60	\$17.32	\$0.00	\$71.75
	12/01/2023	\$47.08	\$8.60	\$17.32	\$0.00	\$73.00

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
DEMO: CONCRETE CUTTER/SAWYER <i>LABORERS - ZONE 2</i>	12/01/2020	\$41.05	\$8.60	\$17.32	\$0.00	\$66.97
	06/01/2021	\$42.07	\$8.60	\$17.32	\$0.00	\$67.99
	12/01/2021	\$43.08	\$8.60	\$17.32	\$0.00	\$69.00
	06/01/2022	\$44.08	\$8.60	\$17.32	\$0.00	\$70.00
	12/01/2022	\$45.08	\$8.60	\$17.32	\$0.00	\$71.00
	06/01/2023	\$46.08	\$8.60	\$17.32	\$0.00	\$72.00
	12/01/2023	\$47.33	\$8.60	\$17.32	\$0.00	\$73.25
For apprentice rates see "Apprentice- LABORER"						
DEMO: JACKHAMMER OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2020	\$40.80	\$8.60	\$17.32	\$0.00	\$66.72
	06/01/2021	\$41.82	\$8.60	\$17.32	\$0.00	\$67.74
	12/01/2021	\$42.83	\$8.60	\$17.32	\$0.00	\$68.75
	06/01/2022	\$43.83	\$8.60	\$17.32	\$0.00	\$69.75
	12/01/2022	\$44.83	\$8.60	\$17.32	\$0.00	\$70.75
	06/01/2023	\$45.83	\$8.60	\$17.32	\$0.00	\$71.75
	12/01/2023	\$47.08	\$8.60	\$17.32	\$0.00	\$73.00
For apprentice rates see "Apprentice- LABORER"						
DEMO: WRECKING LABORER <i>LABORERS - ZONE 2</i>	12/01/2020	\$40.05	\$8.60	\$17.32	\$0.00	\$65.97
	06/01/2021	\$41.07	\$8.60	\$17.32	\$0.00	\$66.99
	12/01/2021	\$42.08	\$8.60	\$17.32	\$0.00	\$68.00
	06/01/2022	\$43.08	\$8.60	\$17.32	\$0.00	\$69.00
	12/01/2022	\$44.08	\$8.60	\$17.32	\$0.00	\$70.00
	06/01/2023	\$45.08	\$8.60	\$17.32	\$0.00	\$71.00
	12/01/2023	\$46.33	\$8.60	\$17.32	\$0.00	\$72.25
For apprentice rates see "Apprentice- LABORER"						
DIRECTIONAL DRILL MACHINE OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$49.45	\$13.50	\$15.70	\$0.00	\$78.65
	06/01/2021	\$50.54	\$13.50	\$15.70	\$0.00	\$79.74
	12/01/2021	\$51.68	\$13.50	\$15.70	\$0.00	\$80.88
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
DIVER <i>PILE DRIVER LOCAL 56 (ZONE 2)</i>	08/01/2020	\$68.70	\$9.40	\$23.12	\$0.00	\$101.22
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER TENDER <i>PILE DRIVER LOCAL 56 (ZONE 2)</i>	08/01/2020	\$49.07	\$9.40	\$23.12	\$0.00	\$81.59
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER TENDER (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 2)</i>	08/01/2020	\$73.60	\$9.40	\$23.12	\$0.00	\$106.12
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER/SLURRY (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 2)</i>	08/01/2020	\$103.05	\$9.40	\$23.12	\$0.00	\$135.57
For apprentice rates see "Apprentice- PILE DRIVER"						
DRAWBRIDGE OPERATOR (Construction) <i>DRAWBRIDGE - SEIU LOCAL 888</i>	07/01/2020	\$26.77	\$6.67	\$3.93	\$0.16	\$37.53
ELECTRICIAN <i>ELECTRICIANS LOCAL 223</i>	09/01/2020	\$43.66	\$10.90	\$14.66	\$0.00	\$69.22

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - ELECTRICIAN - Local 223

Effective Date - 09/01/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$17.46	\$10.90	\$0.52	\$0.00	\$28.88
2	45	\$19.65	\$10.90	\$0.59	\$0.00	\$31.14
3	50	\$21.83	\$10.90	\$0.65	\$0.00	\$33.38
4	55	\$24.01	\$10.90	\$6.28	\$0.00	\$41.19
5	60	\$26.20	\$10.90	\$6.77	\$0.00	\$43.87
6	65	\$28.38	\$10.90	\$7.24	\$0.00	\$46.52
7	70	\$30.56	\$10.90	\$7.73	\$0.00	\$49.19
8	75	\$32.75	\$10.90	\$8.21	\$0.00	\$51.86

Notes:

Apprentice to Journeyworker Ratio:2:3***

ELEVATOR CONSTRUCTOR	01/01/2021	\$63.47	\$15.88	\$19.31	\$0.00	\$98.66
ELEVATOR CONSTRUCTORS LOCAL 4	01/01/2022	\$65.62	\$16.03	\$20.21	\$0.00	\$101.86

Apprentice - ELEVATOR CONSTRUCTOR - Local 4

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

Effective Date - 01/01/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$32.81	\$16.03	\$0.00	\$0.00	\$48.84
2	55	\$36.09	\$16.03	\$20.21	\$0.00	\$72.33
3	65	\$42.65	\$16.03	\$20.21	\$0.00	\$78.89
4	70	\$45.93	\$16.03	\$20.21	\$0.00	\$82.17
5	80	\$52.50	\$16.03	\$20.21	\$0.00	\$88.74

Notes:

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

Apprentice to Journeyworker Ratio:1:1

ELEVATOR CONSTRUCTOR HELPER	01/01/2021	\$44.43	\$15.88	\$19.31	\$0.00	\$79.62
ELEVATOR CONSTRUCTORS LOCAL 4	01/01/2022	\$45.93	\$16.03	\$20.21	\$0.00	\$82.17

For apprentice rates see "Apprentice - ELEVATOR CONSTRUCTOR"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
FENCE & GUARD RAIL ERECTOR <i>LABORERS - ZONE 2</i>	12/01/2020	\$34.91	\$8.60	\$16.06	\$0.00	\$59.57
	06/01/2021	\$35.83	\$8.60	\$16.06	\$0.00	\$60.49
	12/01/2021	\$36.74	\$8.60	\$16.06	\$0.00	\$61.40
	06/01/2022	\$37.64	\$8.60	\$16.06	\$0.00	\$62.30
	12/01/2022	\$38.49	\$8.60	\$16.06	\$0.00	\$63.15
	06/01/2023	\$39.39	\$8.60	\$16.06	\$0.00	\$64.05
	12/01/2023	\$40.29	\$8.60	\$16.06	\$0.00	\$64.95
For apprentice rates see "Apprentice- LABORER"						
FENCE & GUARD RAIL ERECTOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2020	\$34.91	\$8.60	\$16.06	\$0.00	\$59.57
	06/01/2021	\$35.83	\$8.60	\$16.06	\$0.00	\$60.49
	12/01/2021	\$36.74	\$8.60	\$16.06	\$0.00	\$61.40
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
FIELD ENG.INST.PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	11/01/2020	\$45.23	\$13.00	\$15.70	\$0.00	\$73.93
	05/01/2021	\$46.38	\$13.00	\$15.70	\$0.00	\$75.08
	11/01/2021	\$47.38	\$13.00	\$15.70	\$0.00	\$76.08
	05/01/2022	\$48.53	\$13.00	\$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>	11/01/2020	\$46.74	\$13.00	\$15.70	\$0.00	\$75.44
	05/01/2021	\$47.90	\$13.00	\$15.70	\$0.00	\$76.60
	11/01/2021	\$48.91	\$13.00	\$15.70	\$0.00	\$77.61
	05/01/2022	\$50.07	\$13.00	\$15.70	\$0.00	\$78.77
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FIELD ENG.ROD PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	11/01/2020	\$22.73	\$13.00	\$15.70	\$0.00	\$51.43
	05/01/2021	\$23.41	\$13.00	\$15.70	\$0.00	\$52.11
	11/01/2021	\$24.01	\$13.00	\$15.70	\$0.00	\$52.71
	05/01/2022	\$24.68	\$13.00	\$15.70	\$0.00	\$53.38
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FIRE ALARM INSTALLER <i>ELECTRICIANS LOCAL 223</i>	09/01/2020	\$43.66	\$10.90	\$14.66	\$0.00	\$69.22
For apprentice rates see "Apprentice- ELECTRICIAN"						
FIRE ALARM REPAIR / MAINTENANCE / COMMISSIONING <i>ELECTRICIANS LOCAL 223</i>	09/01/2020	\$36.86	\$10.90	\$12.45	\$0.00	\$60.21
For apprentice rates see "Apprentice- TELECOMMUNICATIONS TECHNICIAN"						
FIREMAN (ASST. ENGINEER) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$40.75	\$13.50	\$15.70	\$0.00	\$69.95
	06/01/2021	\$41.66	\$13.50	\$15.70	\$0.00	\$70.86
	12/01/2021	\$42.61	\$13.50	\$15.70	\$0.00	\$71.81
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FLAGGER & SIGNALER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2020	\$24.50	\$8.60	\$16.06	\$0.00	\$49.16
	06/01/2021	\$24.50	\$8.60	\$16.06	\$0.00	\$49.16
	12/01/2021	\$24.50	\$8.60	\$16.06	\$0.00	\$49.16
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
FLOORCOVERER <i>FLOORCOVERERS LOCAL 2168 ZONE II</i>	09/01/2020	\$45.48	\$9.40	\$19.25	\$0.00	\$74.13
	03/01/2021	\$46.28	\$9.40	\$19.25	\$0.00	\$74.93
	09/01/2021	\$47.08	\$9.40	\$19.25	\$0.00	\$75.73
	03/01/2022	\$47.88	\$9.40	\$19.25	\$0.00	\$76.53

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - FLOORCOVERER - Local 2168 Zone II

Effective Date - 09/01/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$22.74	\$9.40	\$1.79	\$0.00	\$33.93
2	55	\$25.01	\$9.40	\$1.79	\$0.00	\$36.20
3	60	\$27.29	\$9.40	\$13.88	\$0.00	\$50.57
4	65	\$29.56	\$9.40	\$13.88	\$0.00	\$52.84
5	70	\$31.84	\$9.40	\$15.67	\$0.00	\$56.91
6	75	\$34.11	\$9.40	\$15.67	\$0.00	\$59.18
7	80	\$36.38	\$9.40	\$17.46	\$0.00	\$63.24
8	85	\$38.66	\$9.40	\$17.46	\$0.00	\$65.52

Effective Date - 03/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.14	\$9.40	\$1.79	\$0.00	\$34.33
2	55	\$25.45	\$9.40	\$1.79	\$0.00	\$36.64
3	60	\$27.77	\$9.40	\$13.88	\$0.00	\$51.05
4	65	\$30.08	\$9.40	\$13.88	\$0.00	\$53.36
5	70	\$32.40	\$9.40	\$15.67	\$0.00	\$57.47
6	75	\$34.71	\$9.40	\$15.67	\$0.00	\$59.78
7	80	\$37.02	\$9.40	\$17.46	\$0.00	\$63.88
8	85	\$39.34	\$9.40	\$17.46	\$0.00	\$66.20

Notes: Steps are 750 hrs.
 % After 09/1/17; 45/45/55/55/70/70/80/80 (1500hr Steps)
 Step 1&2 \$31.66/ 3&4 \$37.93/ 5&6 \$56.91/ 7&8 \$63.24

Apprentice to Journeyworker Ratio:1:1

FORK LIFT/CHERRY PICKER <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$49.98	\$13.50	\$15.70	\$0.00	\$79.18
	06/01/2021	\$51.08	\$13.50	\$15.70	\$0.00	\$80.28
	12/01/2021	\$52.23	\$13.50	\$15.70	\$0.00	\$81.43

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

GENERATOR/LIGHTING PLANT/HEATERS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$33.00	\$13.50	\$15.70	\$0.00	\$62.20
	06/01/2021	\$33.75	\$13.50	\$15.70	\$0.00	\$62.95
	12/01/2021	\$34.54	\$13.50	\$15.70	\$0.00	\$63.74

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS) <i>GLAZIERS LOCAL 1333</i>	06/01/2020	\$39.18	\$10.80	\$10.45	\$0.00	\$60.43
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Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - GLAZIER - Local 1333

Effective Date - 06/01/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.59	\$10.80	\$1.80	\$0.00	\$32.19
2	56	\$22.04	\$10.80	\$1.80	\$0.00	\$34.64
3	63	\$24.49	\$10.80	\$2.45	\$0.00	\$37.74
4	69	\$26.94	\$10.80	\$2.45	\$0.00	\$40.19
5	75	\$29.39	\$10.80	\$3.15	\$0.00	\$43.34
6	81	\$31.83	\$10.80	\$3.15	\$0.00	\$45.78
7	88	\$34.28	\$10.80	\$10.45	\$0.00	\$55.53
8	94	\$36.73	\$10.80	\$10.45	\$0.00	\$57.98

Notes:

Apprentice to Journeyworker Ratio:1:3

HOISTING ENGINEER/CRANES/GRADALLS	12/01/2020	\$49.98	\$13.50	\$15.70	\$0.00	\$79.18
OPERATING ENGINEERS LOCAL 4	06/01/2021	\$51.08	\$13.50	\$15.70	\$0.00	\$80.28
	12/01/2021	\$52.23	\$13.50	\$15.70	\$0.00	\$81.43

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - OPERATING ENGINEERS - Local 4

Effective Date - 12/01/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$27.49	\$13.50	\$0.00	\$0.00	\$40.99
2	60	\$29.99	\$13.50	\$15.70	\$0.00	\$59.19
3	65	\$32.49	\$13.50	\$15.70	\$0.00	\$61.69
4	70	\$34.99	\$13.50	\$15.70	\$0.00	\$64.19
5	75	\$37.49	\$13.50	\$15.70	\$0.00	\$66.69
6	80	\$39.98	\$13.50	\$15.70	\$0.00	\$69.18
7	85	\$42.48	\$13.50	\$15.70	\$0.00	\$71.68
8	90	\$44.98	\$13.50	\$15.70	\$0.00	\$74.18

Effective Date - 06/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$28.09	\$13.50	\$0.00	\$0.00	\$41.59
2	60	\$30.65	\$13.50	\$15.70	\$0.00	\$59.85
3	65	\$33.20	\$13.50	\$15.70	\$0.00	\$62.40
4	70	\$35.76	\$13.50	\$15.70	\$0.00	\$64.96
5	75	\$38.31	\$13.50	\$15.70	\$0.00	\$67.51
6	80	\$40.86	\$13.50	\$15.70	\$0.00	\$70.06
7	85	\$43.42	\$13.50	\$15.70	\$0.00	\$72.62
8	90	\$45.97	\$13.50	\$15.70	\$0.00	\$75.17

Notes:

Apprentice to Journeyworker Ratio:1:6

HVAC (DUCTWORK) SHEETMETAL WORKERS LOCAL 17 - B	10/01/2020	\$36.91	\$13.50	\$16.55	\$2.01	\$68.97
	04/01/2021	\$37.66	\$13.50	\$16.55	\$2.03	\$69.74
	10/01/2021	\$38.66	\$13.50	\$16.55	\$2.06	\$70.77
	04/01/2022	\$39.66	\$13.50	\$16.55	\$2.09	\$71.80

For apprentice rates see "Apprentice- SHEET METAL WORKER"

HVAC (ELECTRICAL CONTROLS) ELECTRICIANS LOCAL 223	09/01/2020	\$43.66	\$10.90	\$14.66	\$0.00	\$69.22
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For apprentice rates see "Apprentice- ELECTRICIAN"

HVAC (TESTING AND BALANCING - AIR) SHEETMETAL WORKERS LOCAL 17 - B	10/01/2020	\$36.91	\$13.50	\$16.55	\$2.01	\$68.97
	04/01/2021	\$37.66	\$13.50	\$16.55	\$2.03	\$69.74
	10/01/2021	\$38.66	\$13.50	\$16.55	\$2.06	\$70.77
	04/01/2022	\$39.66	\$13.50	\$16.55	\$2.09	\$71.80

For apprentice rates see "Apprentice- SHEET METAL WORKER"

HVAC (TESTING AND BALANCING - WATER) PLUMBERS & PIPEFITTERS LOCAL 51	08/31/2020	\$44.69	\$10.15	\$19.80	\$0.00	\$74.64
	08/30/2021	\$46.69	\$10.15	\$19.80	\$0.00	\$76.64

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

HVAC MECHANIC PLUMBERS & PIPEFITTERS LOCAL 51	08/31/2020	\$44.69	\$10.15	\$19.80	\$0.00	\$74.64
	08/30/2021	\$46.69	\$10.15	\$19.80	\$0.00	\$76.64

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

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
HYDRAULIC DRILLS <i>LABORERS - ZONE 2</i>	12/01/2020	\$35.41	\$8.60	\$16.06	\$0.00	\$60.07
	06/01/2021	\$36.33	\$8.60	\$16.06	\$0.00	\$60.99
	12/01/2021	\$37.24	\$8.60	\$16.06	\$0.00	\$61.90
	06/01/2022	\$38.14	\$8.60	\$16.06	\$0.00	\$62.80
	12/01/2022	\$38.99	\$8.60	\$16.06	\$0.00	\$63.65
	06/01/2023	\$39.89	\$8.60	\$16.06	\$0.00	\$64.55
	12/01/2023	\$40.79	\$8.60	\$16.06	\$0.00	\$65.45
For apprentice rates see "Apprentice- LABORER"						
HYDRAULIC DRILLS (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2020	\$35.41	\$8.60	\$16.06	\$0.00	\$60.07
	06/01/2021	\$36.33	\$8.60	\$16.06	\$0.00	\$60.99
	12/01/2021	\$37.24	\$8.60	\$16.06	\$0.00	\$61.90
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
INSULATOR (PIPES & TANKS) <i>HEAT & FROST INSULATORS LOCAL 6 (SOUTHERN MASS)</i>	09/01/2020	\$44.10	\$13.80	\$17.14	\$0.00	\$75.04
	09/01/2021	\$46.50	\$13.80	\$17.14	\$0.00	\$77.44
	09/01/2022	\$48.95	\$13.80	\$17.14	\$0.00	\$79.89

Apprentice - ASBESTOS INSULATOR (Pipes & Tanks) - Local 6 Southern MA

Effective Date - 09/01/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$22.05	\$13.80	\$12.42	\$0.00	\$48.27
2	60	\$26.46	\$13.80	\$13.36	\$0.00	\$53.62
3	70	\$30.87	\$13.80	\$14.31	\$0.00	\$58.98
4	80	\$35.28	\$13.80	\$15.25	\$0.00	\$64.33

Effective Date - 09/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.25	\$13.80	\$12.42	\$0.00	\$49.47
2	60	\$27.90	\$13.80	\$13.36	\$0.00	\$55.06
3	70	\$32.55	\$13.80	\$14.31	\$0.00	\$60.66
4	80	\$37.20	\$13.80	\$15.25	\$0.00	\$66.25

Notes:

Steps are 1 year

Apprentice to Journeyworker Ratio:1:4

IRONWORKER/WELDER <i>IRONWORKERS LOCAL 37</i>	09/16/2020	\$41.51	\$7.70	\$17.10	\$0.00	\$66.31
	03/16/2021	\$42.46	\$7.70	\$17.10	\$0.00	\$67.26

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - IRONWORKER - Local 37

Effective Date - 09/16/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	70	\$29.06	\$7.70	\$17.10	\$0.00	\$53.86
2	75	\$31.13	\$7.70	\$17.10	\$0.00	\$55.93
3	80	\$33.21	\$7.70	\$17.10	\$0.00	\$58.01
4	85	\$35.28	\$7.70	\$17.10	\$0.00	\$60.08
5	90	\$37.36	\$7.70	\$17.10	\$0.00	\$62.16
6	95	\$39.43	\$7.70	\$17.10	\$0.00	\$64.23

Effective Date - 03/16/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	70	\$29.72	\$7.70	\$17.10	\$0.00	\$54.52
2	75	\$31.85	\$7.70	\$17.10	\$0.00	\$56.65
3	80	\$33.97	\$7.70	\$17.10	\$0.00	\$58.77
4	85	\$36.09	\$7.70	\$17.10	\$0.00	\$60.89
5	90	\$38.21	\$7.70	\$17.10	\$0.00	\$63.01
6	95	\$40.34	\$7.70	\$17.10	\$0.00	\$65.14

Notes:

Apprentice to Journeyworker Ratio:1:4

JACKHAMMER & PAVING BREAKER OPERATOR LABORERS - ZONE 2	12/01/2020	\$34.91	\$8.60	\$16.06	\$0.00	\$59.57
	06/01/2021	\$35.83	\$8.60	\$16.06	\$0.00	\$60.49
	12/01/2021	\$36.74	\$8.60	\$16.06	\$0.00	\$61.40
	06/01/2022	\$37.64	\$8.60	\$16.06	\$0.00	\$62.30
	12/01/2022	\$38.49	\$8.60	\$16.06	\$0.00	\$63.15
	06/01/2023	\$39.39	\$8.60	\$16.06	\$0.00	\$64.05
	12/01/2023	\$40.29	\$8.60	\$16.06	\$0.00	\$64.95

For apprentice rates see "Apprentice- LABORER"

LABORER LABORERS - ZONE 2	12/01/2020	\$34.66	\$8.60	\$16.06	\$0.00	\$59.32
	06/01/2021	\$35.58	\$8.60	\$16.06	\$0.00	\$60.24
	12/01/2021	\$36.49	\$8.60	\$16.06	\$0.00	\$61.15
	06/01/2022	\$37.39	\$8.60	\$16.06	\$0.00	\$62.05
	12/01/2022	\$38.24	\$8.60	\$16.06	\$0.00	\$62.90
	06/01/2023	\$39.14	\$8.60	\$16.06	\$0.00	\$63.80
	12/01/2023	\$40.04	\$8.60	\$16.06	\$0.00	\$64.70

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - LABORER - Zone 2

Effective Date - 12/01/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$20.80	\$8.60	\$16.06	\$0.00	\$45.46
2	70	\$24.26	\$8.60	\$16.06	\$0.00	\$48.92
3	80	\$27.73	\$8.60	\$16.06	\$0.00	\$52.39
4	90	\$31.19	\$8.60	\$16.06	\$0.00	\$55.85

Effective Date - 06/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$21.35	\$8.60	\$16.06	\$0.00	\$46.01
2	70	\$24.91	\$8.60	\$16.06	\$0.00	\$49.57
3	80	\$28.46	\$8.60	\$16.06	\$0.00	\$53.12
4	90	\$32.02	\$8.60	\$16.06	\$0.00	\$56.68

Notes:

Apprentice to Journeyworker Ratio:1:5

LABORER (HEAVY & HIGHWAY)	12/01/2020	\$34.66	\$8.60	\$16.06	\$0.00	\$59.32
LABORERS - ZONE 2 (HEAVY & HIGHWAY)	06/01/2021	\$35.58	\$8.60	\$16.06	\$0.00	\$60.24
	12/01/2021	\$36.49	\$8.60	\$16.06	\$0.00	\$61.15

Apprentice - LABORER (Heavy & Highway) - Zone 2

Effective Date - 12/01/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$20.80	\$8.60	\$16.06	\$0.00	\$45.46
2	70	\$24.26	\$8.60	\$16.06	\$0.00	\$48.92
3	80	\$27.73	\$8.60	\$16.06	\$0.00	\$52.39
4	90	\$31.19	\$8.60	\$16.06	\$0.00	\$55.85

Effective Date - 06/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$21.35	\$8.60	\$16.06	\$0.00	\$46.01
2	70	\$24.91	\$8.60	\$16.06	\$0.00	\$49.57
3	80	\$28.46	\$8.60	\$16.06	\$0.00	\$53.12
4	90	\$32.02	\$8.60	\$16.06	\$0.00	\$56.68

Notes:

Apprentice to Journeyworker Ratio:1:5

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
LABORER: CARPENTER TENDER <i>LABORERS - ZONE 2</i>	12/01/2020	\$34.66	\$8.60	\$16.06	\$0.00	\$59.32
	06/01/2021	\$35.58	\$8.60	\$16.06	\$0.00	\$60.24
	12/01/2021	\$36.49	\$8.60	\$16.06	\$0.00	\$61.15
	06/01/2022	\$37.39	\$8.60	\$16.06	\$0.00	\$62.05
	12/01/2022	\$38.24	\$8.60	\$16.06	\$0.00	\$62.90
	06/01/2023	\$39.14	\$8.60	\$16.06	\$0.00	\$63.80
	12/01/2023	\$40.04	\$8.60	\$16.06	\$0.00	\$64.70
For apprentice rates see "Apprentice- LABORER"						
LABORER: CEMENT FINISHER TENDER <i>LABORERS - ZONE 2</i>	12/01/2020	\$34.66	\$8.60	\$16.06	\$0.00	\$59.32
	06/01/2021	\$35.58	\$8.60	\$16.06	\$0.00	\$60.24
	12/01/2021	\$36.49	\$8.60	\$16.06	\$0.00	\$61.15
	06/01/2022	\$37.39	\$8.60	\$16.06	\$0.00	\$62.05
	12/01/2022	\$38.24	\$8.60	\$16.06	\$0.00	\$62.90
	06/01/2023	\$39.14	\$8.60	\$16.06	\$0.00	\$63.80
	12/01/2023	\$40.04	\$8.60	\$16.06	\$0.00	\$64.70
For apprentice rates see "Apprentice- LABORER"						
LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER <i>LABORERS - ZONE 2</i>	12/01/2020	\$34.75	\$8.60	\$16.12	\$0.00	\$59.47
	06/01/2021	\$35.67	\$8.60	\$16.12	\$0.00	\$60.39
	12/01/2021	\$36.58	\$8.60	\$16.12	\$0.00	\$61.30
	06/01/2022	\$37.48	\$8.60	\$16.12	\$0.00	\$62.20
	12/01/2022	\$38.33	\$8.60	\$16.12	\$0.00	\$63.05
	06/01/2023	\$39.23	\$8.60	\$16.12	\$0.00	\$63.95
	12/01/2023	\$40.13	\$8.60	\$16.12	\$0.00	\$64.85
For apprentice rates see "Apprentice- LABORER"						
LABORER: MASON TENDER <i>LABORERS - ZONE 2</i>	12/01/2020	\$34.91	\$8.60	\$16.06	\$0.00	\$59.57
	06/01/2021	\$35.83	\$8.60	\$16.06	\$0.00	\$60.49
	12/01/2021	\$36.74	\$8.60	\$16.06	\$0.00	\$61.40
	06/01/2022	\$37.64	\$8.60	\$16.06	\$0.00	\$62.30
	12/01/2022	\$38.49	\$8.60	\$16.06	\$0.00	\$63.15
	06/01/2023	\$39.39	\$8.60	\$16.06	\$0.00	\$64.05
	12/01/2023	\$40.29	\$8.60	\$16.06	\$0.00	\$64.95
For apprentice rates see "Apprentice- LABORER"						
LABORER: MASON TENDER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2020	\$34.91	\$8.60	\$16.06	\$0.00	\$59.57
	06/01/2021	\$35.83	\$8.60	\$16.06	\$0.00	\$60.49
	12/01/2021	\$36.74	\$8.60	\$16.06	\$0.00	\$61.40
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
LABORER: MULTI-TRADE TENDER <i>LABORERS - ZONE 2</i>	12/01/2020	\$34.66	\$8.60	\$16.06	\$0.00	\$59.32
	06/01/2021	\$35.58	\$8.60	\$16.06	\$0.00	\$60.24
	12/01/2021	\$36.49	\$8.60	\$16.06	\$0.00	\$61.15
	06/01/2022	\$37.39	\$8.60	\$16.06	\$0.00	\$62.05
	12/01/2022	\$38.24	\$8.60	\$16.06	\$0.00	\$62.90
	06/01/2023	\$39.14	\$8.60	\$16.06	\$0.00	\$63.80
	12/01/2023	\$40.04	\$8.60	\$16.06	\$0.00	\$64.70
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
LABORER: TREE REMOVER <i>LABORERS - ZONE 2</i>	12/01/2020	\$34.66	\$8.60	\$16.06	\$0.00	\$59.32
	06/01/2021	\$35.58	\$8.60	\$16.06	\$0.00	\$60.24
	12/01/2021	\$36.49	\$8.60	\$16.06	\$0.00	\$61.15
	06/01/2022	\$37.39	\$8.60	\$16.06	\$0.00	\$62.05
	12/01/2022	\$38.24	\$8.60	\$16.06	\$0.00	\$62.90
	06/01/2023	\$39.14	\$8.60	\$16.06	\$0.00	\$63.80
	12/01/2023	\$40.04	\$8.60	\$16.06	\$0.00	\$64.70
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 2</i>	12/01/2020	\$34.91	\$8.60	\$16.06	\$0.00	\$59.57
	06/01/2021	\$35.83	\$8.60	\$16.06	\$0.00	\$60.49
	12/01/2021	\$36.74	\$8.60	\$16.06	\$0.00	\$61.40
	06/01/2022	\$37.64	\$8.60	\$16.06	\$0.00	\$62.30
	12/01/2022	\$38.49	\$8.60	\$16.06	\$0.00	\$63.15
	06/01/2023	\$39.39	\$8.60	\$16.06	\$0.00	\$64.05
	12/01/2023	\$40.29	\$8.60	\$16.06	\$0.00	\$64.95
For apprentice rates see "Apprentice- LABORER"						
LASER BEAM OPERATOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2020	\$34.91	\$8.60	\$16.06	\$0.00	\$59.57
	06/01/2021	\$35.83	\$8.60	\$16.06	\$0.00	\$60.49
	12/01/2021	\$36.74	\$8.60	\$16.06	\$0.00	\$61.40
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
MARBLE & TILE FINISHERS <i>BRICKLAYERS LOCAL 3 - MARBLE & TILE</i>	08/01/2020	\$42.57	\$10.75	\$20.27	\$0.00	\$73.59
	02/01/2021	\$42.57	\$11.39	\$20.14	\$0.00	\$74.10
	08/01/2021	\$43.69	\$11.39	\$20.30	\$0.00	\$75.38
	02/01/2022	\$44.16	\$11.39	\$20.30	\$0.00	\$75.85

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

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

Effective Date - 02/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.29	\$11.39	\$20.14	\$0.00	\$52.82
2	60	\$25.54	\$11.39	\$20.14	\$0.00	\$57.07
3	70	\$29.80	\$11.39	\$20.14	\$0.00	\$61.33
4	80	\$34.06	\$11.39	\$20.14	\$0.00	\$65.59
5	90	\$38.31	\$11.39	\$20.14	\$0.00	\$69.84

Notes:

Apprentice to Journeyworker Ratio:1:3

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
MARBLE MASONS, TILELAYERS & TERRAZZO MECH <i>BRICKLAYERS LOCAL 3 - MARBLE & TILE</i>	08/01/2020	\$55.77	\$10.75	\$22.08	\$0.00	\$88.60
	02/01/2021	\$55.77	\$11.39	\$22.08	\$0.00	\$89.24
	08/01/2021	\$57.17	\$11.39	\$22.24	\$0.00	\$90.80
	02/01/2022	\$57.74	\$11.39	\$22.24	\$0.00	\$91.37

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

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

Effective Date - 02/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$27.89	\$11.39	\$22.08	\$0.00	\$61.36
2	60	\$33.46	\$11.39	\$22.08	\$0.00	\$66.93
3	70	\$39.04	\$11.39	\$22.08	\$0.00	\$72.51
4	80	\$44.62	\$11.39	\$22.08	\$0.00	\$78.09
5	90	\$50.19	\$11.39	\$22.08	\$0.00	\$83.66

Notes:

Apprentice to Journeyworker Ratio:1:5

MECH. SWEEPER OPERATOR (ON CONST. SITES) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$49.45	\$13.50	\$15.70	\$0.00	\$78.65
	06/01/2021	\$50.54	\$13.50	\$15.70	\$0.00	\$79.74
	12/01/2021	\$51.68	\$13.50	\$15.70	\$0.00	\$80.88

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

MECHANICS MAINTENANCE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$49.45	\$13.50	\$15.70	\$0.00	\$78.65
	06/01/2021	\$50.54	\$13.50	\$15.70	\$0.00	\$79.74
	12/01/2021	\$51.68	\$13.50	\$15.70	\$0.00	\$80.88

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

MILLWRIGHT (Zone 2) <i>MILLWRIGHTS LOCAL 1121 - Zone 2</i>	01/04/2021	\$39.72	\$9.40	\$20.45	\$0.00	\$69.57
	01/03/2022	\$40.97	\$9.40	\$20.45	\$0.00	\$70.82
	01/02/2023	\$42.22	\$9.40	\$20.45	\$0.00	\$72.07

Apprentice - MILLWRIGHT - Local 1121 Zone 2

Effective Date - 01/04/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$21.85	\$9.40	\$5.58	\$0.00	\$36.83
2	65	\$25.82	\$9.40	\$16.90	\$0.00	\$52.12
3	75	\$29.79	\$9.40	\$17.92	\$0.00	\$57.11
4	85	\$33.76	\$9.40	\$18.93	\$0.00	\$62.09

Effective Date - 01/03/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$22.53	\$9.40	\$5.58	\$0.00	\$37.51
2	65	\$26.63	\$9.40	\$16.90	\$0.00	\$52.93
3	75	\$30.73	\$9.40	\$17.92	\$0.00	\$58.05
4	85	\$34.82	\$9.40	\$18.93	\$0.00	\$63.15

Notes: Step 1&2 Appr. indentured after 1/1/2020 receive no pension, but do receive annuity. (Step 1 \$5.58, Step 2 \$6.50)
Steps are 2,000 hours

Apprentice to Journeyworker Ratio:1:5

MORTAR MIXER LABORERS - ZONE 2	12/01/2020	\$34.91	\$8.60	\$16.06	\$0.00	\$59.57
	06/01/2021	\$35.83	\$8.60	\$16.06	\$0.00	\$60.49
	12/01/2021	\$36.74	\$8.60	\$16.06	\$0.00	\$61.40
	06/01/2022	\$37.64	\$8.60	\$16.06	\$0.00	\$62.30
	12/01/2022	\$38.49	\$8.60	\$16.06	\$0.00	\$63.15
	06/01/2023	\$39.39	\$8.60	\$16.06	\$0.00	\$64.05
	12/01/2023	\$40.29	\$8.60	\$16.06	\$0.00	\$64.95
For apprentice rates see "Apprentice- LABORER"						

OILER (OTHER THAN TRUCK CRANES, GRADALLS) OPERATING ENGINEERS LOCAL 4	12/01/2020	\$23.20	\$13.50	\$15.70	\$0.00	\$52.40
	06/01/2021	\$23.75	\$13.50	\$15.70	\$0.00	\$52.95
	12/01/2021	\$24.33	\$13.50	\$15.70	\$0.00	\$53.53
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						

OILER (TRUCK CRANES, GRADALLS) OPERATING ENGINEERS LOCAL 4	12/01/2020	\$27.97	\$13.50	\$15.70	\$0.00	\$57.17
	06/01/2021	\$28.61	\$13.50	\$15.70	\$0.00	\$57.81
	12/01/2021	\$29.29	\$13.50	\$15.70	\$0.00	\$58.49
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						

OTHER POWER DRIVEN EQUIPMENT - CLASS II OPERATING ENGINEERS LOCAL 4	12/01/2020	\$49.45	\$13.50	\$15.70	\$0.00	\$78.65
	06/01/2021	\$50.54	\$13.50	\$15.70	\$0.00	\$79.74
	12/01/2021	\$51.68	\$13.50	\$15.70	\$0.00	\$80.88
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						

PAINTER (BRIDGES/TANKS) PAINTERS LOCAL 35 - ZONE 2	01/01/2021	\$52.06	\$8.25	\$22.75	\$0.00	\$83.06
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Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER Local 35 - BRIDGES/TANKS

Effective Date - 01/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$26.03	\$8.25	\$0.00	\$0.00	\$34.28
2	55	\$28.63	\$8.25	\$6.16	\$0.00	\$43.04
3	60	\$31.24	\$8.25	\$6.72	\$0.00	\$46.21
4	65	\$33.84	\$8.25	\$7.28	\$0.00	\$49.37
5	70	\$36.44	\$8.25	\$19.39	\$0.00	\$64.08
6	75	\$39.05	\$8.25	\$19.95	\$0.00	\$67.25
7	80	\$41.65	\$8.25	\$20.51	\$0.00	\$70.41
8	90	\$46.85	\$8.25	\$21.63	\$0.00	\$76.73

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER (SPRAY OR SANDBLAST, NEW) * 01/01/2021 \$42.96 \$8.25 \$22.75 \$0.00 \$73.96

* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. PAINTERS LOCAL 35 - ZONE 2

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

Effective Date - 01/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.48	\$8.25	\$0.00	\$0.00	\$29.73
2	55	\$23.63	\$8.25	\$6.16	\$0.00	\$38.04
3	60	\$25.78	\$8.25	\$6.72	\$0.00	\$40.75
4	65	\$27.92	\$8.25	\$7.28	\$0.00	\$43.45
5	70	\$30.07	\$8.25	\$19.39	\$0.00	\$57.71
6	75	\$32.22	\$8.25	\$19.95	\$0.00	\$60.42
7	80	\$34.37	\$8.25	\$20.51	\$0.00	\$63.13
8	90	\$38.66	\$8.25	\$21.63	\$0.00	\$68.54

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER (SPRAY OR SANDBLAST, REPAINT) 01/01/2021 \$41.02 \$8.25 \$22.75 \$0.00 \$72.02

PAINTERS LOCAL 35 - ZONE 2

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

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

Effective Date - 01/01/2021

Table with 8 columns: Step, percent, Apprentice Base Wage, Health, Pension, Supplemental Unemployment, Total Rate. Rows 1-8 showing wage progression from 50% to 90%.

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER / TAPER (BRUSH, NEW) * 01/01/2021 \$41.56 \$8.25 \$22.75 \$0.00 \$72.56

* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. PAINTERS LOCAL 35 - ZONE 2

Apprentice - PAINTER - Local 35 Zone 2 - BRUSH NEW

Effective Date - 01/01/2021

Table with 8 columns: Step, percent, Apprentice Base Wage, Health, Pension, Supplemental Unemployment, Total Rate. Rows 1-8 showing wage progression from 50% to 90%.

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER / TAPER (BRUSH, REPAINT) 01/01/2021 \$39.62 \$8.25 \$22.75 \$0.00 \$70.62

PAINTERS LOCAL 35 - ZONE 2

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER Local 35 Zone 2 - BRUSH REPAINT

Effective Date - 01/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.81	\$8.25	\$0.00	\$0.00	\$28.06
2	55	\$21.79	\$8.25	\$6.16	\$0.00	\$36.20
3	60	\$23.77	\$8.25	\$6.72	\$0.00	\$38.74
4	65	\$25.75	\$8.25	\$7.28	\$0.00	\$41.28
5	70	\$27.73	\$8.25	\$19.39	\$0.00	\$55.37
6	75	\$29.72	\$8.25	\$19.95	\$0.00	\$57.92
7	80	\$31.70	\$8.25	\$20.51	\$0.00	\$60.46
8	90	\$35.66	\$8.25	\$21.63	\$0.00	\$65.54

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER TRAFFIC MARKINGS (HEAVY/HIGHWAY)	12/01/2020	\$34.66	\$8.60	\$16.06	\$0.00	\$59.32
LABORERS - ZONE 2 (HEAVY & HIGHWAY)	06/01/2021	\$35.58	\$8.60	\$16.06	\$0.00	\$60.24
	12/01/2021	\$36.49	\$8.60	\$16.06	\$0.00	\$61.15

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

PANEL & PICKUP TRUCKS DRIVER	12/01/2020	\$34.98	\$12.91	\$14.82	\$0.00	\$62.71
TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	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)	08/01/2020	\$46.11	\$9.40	\$23.12	\$0.00	\$78.63
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PILE DRIVER LOCAL 56 (ZONE 2)

For apprentice rates see "Apprentice- PILE DRIVER"

PILE DRIVER	08/01/2020	\$46.11	\$9.40	\$23.12	\$0.00	\$78.63
PILE DRIVER LOCAL 56 (ZONE 2)						

Apprentice - PILE DRIVER - Local 56 Zone 2

Effective Date - 08/01/2020

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

Notes: Apprentice wages shall be no less than the following Steps;

(Same as set in Zone 1)

1\$57.06/2\$61.96/3\$66.87/4\$69.32/5\$71.78/6\$71.78/7\$76.68/8\$76.68

Apprentice to Journeyworker Ratio:1:5

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
PIPELAYER <i>LABORERS - ZONE 2</i>	12/01/2020	\$34.91	\$8.60	\$16.06	\$0.00	\$59.57
	06/01/2021	\$35.83	\$8.60	\$16.06	\$0.00	\$60.49
	12/01/2021	\$36.74	\$8.60	\$16.06	\$0.00	\$61.40
	06/01/2022	\$37.64	\$8.60	\$16.06	\$0.00	\$62.30
	12/01/2022	\$38.49	\$8.60	\$16.06	\$0.00	\$63.15
	06/01/2023	\$39.39	\$8.60	\$16.06	\$0.00	\$64.05
	12/01/2023	\$40.29	\$8.60	\$16.06	\$0.00	\$64.95
For apprentice rates see "Apprentice- LABORER"						
PIPELAYER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2020	\$34.91	\$8.60	\$16.06	\$0.00	\$59.57
	06/01/2021	\$35.83	\$8.60	\$16.06	\$0.00	\$60.49
	12/01/2021	\$36.74	\$8.60	\$16.06	\$0.00	\$61.40
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
PLUMBER & PIPEFITTER <i>PLUMBERS & PIPEFITTERS LOCAL 51</i>	08/31/2020	\$44.69	\$10.15	\$19.80	\$0.00	\$74.64
	08/30/2021	\$46.69	\$10.15	\$19.80	\$0.00	\$76.64

Apprentice - PLUMBER/PIPEFITTER - Local 51

Effective Date - 08/31/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$17.88	\$10.15	\$2.50	\$0.00	\$30.53
2	50	\$22.35	\$10.15	\$2.50	\$0.00	\$35.00
3	60	\$26.81	\$10.15	\$8.73	\$0.00	\$45.69
4	70	\$31.28	\$10.15	\$10.60	\$0.00	\$52.03
5	80	\$35.75	\$10.15	\$17.45	\$0.00	\$63.35

Effective Date - 08/30/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$18.68	\$10.15	\$2.50	\$0.00	\$31.33
2	50	\$23.35	\$10.15	\$2.50	\$0.00	\$36.00
3	60	\$28.01	\$10.15	\$8.73	\$0.00	\$46.89
4	70	\$32.68	\$10.15	\$10.60	\$0.00	\$53.43
5	80	\$37.35	\$10.15	\$17.45	\$0.00	\$64.95

Notes:

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

Apprentice to Journeyworker Ratio:1:3

PNEUMATIC CONTROLS (TEMP.) <i>PLUMBERS & PIPEFITTERS LOCAL 51</i>	08/31/2020	\$44.69	\$10.15	\$19.80	\$0.00	\$74.64
	08/30/2021	\$46.69	\$10.15	\$19.80	\$0.00	\$76.64
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
PNEUMATIC DRILL/TOOL OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2020	\$34.91	\$8.60	\$16.06	\$0.00	\$59.57
	06/01/2021	\$35.83	\$8.60	\$16.06	\$0.00	\$60.49
	12/01/2021	\$36.74	\$8.60	\$16.06	\$0.00	\$61.40
	06/01/2022	\$37.64	\$8.60	\$16.06	\$0.00	\$62.30
	12/01/2022	\$38.49	\$8.60	\$16.06	\$0.00	\$63.15
	06/01/2023	\$39.39	\$8.60	\$16.06	\$0.00	\$64.05
	12/01/2023	\$40.29	\$8.60	\$16.06	\$0.00	\$64.95

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- LABORER"						
PNEUMATIC DRILL/TOOL OPERATOR (HEAVY & HIGHWAY)	12/01/2020	\$34.91	\$8.60	\$16.06	\$0.00	\$59.57
<i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	06/01/2021	\$35.83	\$8.60	\$16.06	\$0.00	\$60.49
	12/01/2021	\$36.74	\$8.60	\$16.06	\$0.00	\$61.40
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
POWDERMAN & BLASTER	12/01/2020	\$35.66	\$8.60	\$16.06	\$0.00	\$60.32
<i>LABORERS - ZONE 2</i>	06/01/2021	\$36.58	\$8.60	\$16.06	\$0.00	\$61.24
	12/01/2021	\$37.49	\$8.60	\$16.06	\$0.00	\$62.15
	06/01/2022	\$38.39	\$8.60	\$16.06	\$0.00	\$63.05
	12/01/2022	\$39.24	\$8.60	\$16.06	\$0.00	\$63.90
	06/01/2023	\$40.14	\$8.60	\$16.06	\$0.00	\$64.80
	12/01/2023	\$41.04	\$8.60	\$16.06	\$0.00	\$65.70
For apprentice rates see "Apprentice- LABORER"						
POWDERMAN & BLASTER (HEAVY & HIGHWAY)	12/01/2020	\$35.66	\$8.60	\$16.06	\$0.00	\$60.32
<i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	06/01/2021	\$36.58	\$8.60	\$16.06	\$0.00	\$61.24
	12/01/2021	\$37.49	\$8.60	\$16.06	\$0.00	\$62.15
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
POWER SHOVEL/DERRICK/TRENCHING MACHINE	12/01/2020	\$49.98	\$13.50	\$15.70	\$0.00	\$79.18
<i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2021	\$51.08	\$13.50	\$15.70	\$0.00	\$80.28
	12/01/2021	\$52.23	\$13.50	\$15.70	\$0.00	\$81.43
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (CONCRETE)	12/01/2020	\$49.98	\$13.50	\$15.70	\$0.00	\$79.18
<i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2021	\$51.08	\$13.50	\$15.70	\$0.00	\$80.28
	12/01/2021	\$52.23	\$13.50	\$15.70	\$0.00	\$81.43
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (DEWATERING, OTHER)	12/01/2020	\$33.00	\$13.50	\$15.70	\$0.00	\$62.20
<i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2021	\$33.75	\$13.50	\$15.70	\$0.00	\$62.95
	12/01/2021	\$34.54	\$13.50	\$15.70	\$0.00	\$63.74
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
READY-MIX CONCRETE DRIVER	08/01/2020	\$23.50	\$12.41	\$6.90	\$0.00	\$42.81
<i>TEAMSTERS 653 - Southeastern Concrete (Weymouth)</i>	05/01/2021	\$24.00	\$12.41	\$6.90	\$0.00	\$43.31
	08/01/2021	\$24.00	\$12.91	\$6.90	\$0.00	\$43.81
	05/01/2022	\$24.50	\$12.91	\$6.90	\$0.00	\$44.31
	08/01/2022	\$24.50	\$13.41	\$6.90	\$0.00	\$44.81
	05/01/2023	\$25.00	\$13.41	\$6.90	\$0.00	\$45.31
	08/01/2023	\$25.00	\$13.91	\$6.90	\$0.00	\$45.81
RECLAIMERS	12/01/2020	\$49.45	\$13.50	\$15.70	\$0.00	\$78.65
<i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2021	\$50.54	\$13.50	\$15.70	\$0.00	\$79.74
	12/01/2021	\$51.68	\$13.50	\$15.70	\$0.00	\$80.88
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
RIDE-ON MOTORIZED BUGGY OPERATOR	12/01/2020	\$34.91	\$8.60	\$16.06	\$0.00	\$59.57
<i>LABORERS - ZONE 2</i>	06/01/2021	\$35.83	\$8.60	\$16.06	\$0.00	\$60.49
	12/01/2021	\$36.74	\$8.60	\$16.06	\$0.00	\$61.40
	06/01/2022	\$37.64	\$8.60	\$16.06	\$0.00	\$62.30
	12/01/2022	\$38.49	\$8.60	\$16.06	\$0.00	\$63.15
	06/01/2023	\$39.39	\$8.60	\$16.06	\$0.00	\$64.05
	12/01/2023	\$40.29	\$8.60	\$16.06	\$0.00	\$64.95

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- LABORER"						
ROLLER/SPREADER/MULCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$49.45	\$13.50	\$15.70	\$0.00	\$78.65
	06/01/2021	\$50.54	\$13.50	\$15.70	\$0.00	\$79.74
	12/01/2021	\$51.68	\$13.50	\$15.70	\$0.00	\$80.88
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
ROOFER (Inc.Roofing Waterproofing &Roofing Damproofg) <i>ROOFERS LOCAL 33</i>	08/01/2020	\$46.60	\$11.75	\$16.15	\$0.00	\$74.50
	02/01/2021	\$46.60	\$12.18	\$17.15	\$0.00	\$75.93
	08/01/2021	\$48.03	\$12.18	\$17.15	\$0.00	\$77.36
	02/01/2022	\$49.46	\$12.18	\$17.15	\$0.00	\$78.79

Apprentice - ROOFER - Local 33

Effective Date - 08/01/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.30	\$11.75	\$3.81	\$0.00	\$38.86
2	60	\$27.96	\$11.75	\$16.15	\$0.00	\$55.86
3	65	\$30.29	\$11.75	\$16.15	\$0.00	\$58.19
4	75	\$34.95	\$11.75	\$16.15	\$0.00	\$62.85
5	85	\$39.61	\$11.75	\$16.15	\$0.00	\$67.51

Effective Date - 02/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.30	\$12.18	\$4.31	\$0.00	\$39.79
2	60	\$27.96	\$12.18	\$17.15	\$0.00	\$57.29
3	65	\$30.29	\$12.18	\$17.15	\$0.00	\$59.62
4	75	\$34.95	\$12.18	\$17.15	\$0.00	\$64.28
5	85	\$39.61	\$12.18	\$17.15	\$0.00	\$68.94

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 <i>ROOFERS LOCAL 33</i>	08/01/2020	\$46.85	\$11.75	\$16.15	\$0.00	\$74.75
	02/01/2021	\$46.85	\$12.18	\$17.15	\$0.00	\$76.18
	08/01/2021	\$48.28	\$12.18	\$17.15	\$0.00	\$77.61
	02/01/2022	\$49.71	\$12.18	\$17.15	\$0.00	\$79.04
For apprentice rates see "Apprentice- ROOFER"						
SHEETMETAL WORKER <i>SHEETMETAL WORKERS LOCAL 17 - B</i>	10/01/2020	\$36.91	\$13.50	\$16.55	\$2.01	\$68.97
	04/01/2021	\$37.66	\$13.50	\$16.55	\$2.03	\$69.74
	10/01/2021	\$38.66	\$13.50	\$16.55	\$2.06	\$70.77
	04/01/2022	\$39.66	\$13.50	\$16.55	\$2.09	\$71.80

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - SHEET METAL WORKER - Local 17-B

Effective Date - 10/01/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$14.76	\$13.50	\$4.02	\$0.99	\$33.27
2	45	\$16.61	\$13.50	\$4.02	\$1.06	\$35.19
3	50	\$18.46	\$13.50	\$10.48	\$1.30	\$43.74
4	55	\$20.30	\$13.50	\$10.48	\$1.36	\$45.64
5	60	\$22.15	\$13.50	\$13.52	\$1.48	\$50.65
6	65	\$23.99	\$13.50	\$13.78	\$1.54	\$52.81
7	70	\$25.84	\$13.50	\$14.03	\$1.60	\$54.97
8	75	\$27.68	\$13.50	\$14.28	\$1.66	\$57.12
9	80	\$29.53	\$13.50	\$14.54	\$1.73	\$59.30
10	85	\$31.37	\$13.50	\$14.79	\$1.79	\$61.45

Effective Date - 04/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$15.06	\$13.50	\$4.02	\$0.98	\$33.56
2	45	\$16.95	\$13.50	\$4.02	\$1.03	\$35.50
3	50	\$18.83	\$13.50	\$10.48	\$1.28	\$44.09
4	55	\$20.71	\$13.50	\$10.48	\$1.34	\$46.03
5	60	\$22.60	\$13.50	\$13.52	\$1.49	\$51.11
6	65	\$24.48	\$13.50	\$13.78	\$1.55	\$53.31
7	70	\$26.36	\$13.50	\$14.03	\$1.62	\$55.51
8	75	\$28.25	\$13.50	\$14.28	\$1.68	\$57.71
9	80	\$30.13	\$13.50	\$14.54	\$1.75	\$59.92
10	85	\$32.01	\$13.50	\$14.79	\$1.81	\$62.11

Notes:

Apprentice to Journeyworker Ratio:1:3

SPECIALIZED EARTH MOVING EQUIP < 35 TONS <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	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
SPECIALIZED EARTH MOVING EQUIP > 35 TONS <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2020	\$35.73	\$12.91	\$14.82	\$0.00	\$63.46
	06/01/2021	\$36.53	\$12.91	\$14.82	\$0.00	\$64.26
	08/01/2021	\$36.53	\$13.41	\$14.82	\$0.00	\$64.76
	12/01/2021	\$36.53	\$13.41	\$16.01	\$0.00	\$65.95
SPRINKLER FITTER <i>SPRINKLER FITTERS LOCAL 550 - (Section B) Zone 2</i>	01/01/2021	\$55.31	\$10.00	\$20.75	\$0.00	\$86.06
	03/01/2021	\$57.13	\$10.00	\$20.75	\$0.00	\$87.88

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - SPRINKLER FITTER - Local 550 (Section B) Zone 2

Effective Date - 01/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$19.36	\$10.00	\$11.81	\$0.00	\$41.17
2	40	\$22.12	\$10.00	\$12.50	\$0.00	\$44.62
3	45	\$24.89	\$10.00	\$13.19	\$0.00	\$48.08
4	50	\$27.66	\$10.00	\$13.93	\$0.00	\$51.59
5	55	\$30.42	\$10.00	\$14.56	\$0.00	\$54.98
6	60	\$33.19	\$10.00	\$15.25	\$0.00	\$58.44
7	65	\$35.95	\$10.00	\$15.94	\$0.00	\$61.89
8	70	\$38.72	\$10.00	\$16.63	\$0.00	\$65.35
9	75	\$41.48	\$10.00	\$17.31	\$0.00	\$68.79
10	80	\$44.25	\$10.00	\$18.00	\$0.00	\$72.25

Effective Date - 03/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$20.00	\$10.00	\$11.81	\$0.00	\$41.81
2	40	\$22.85	\$10.00	\$12.50	\$0.00	\$45.35
3	45	\$25.71	\$10.00	\$13.19	\$0.00	\$48.90
4	50	\$28.57	\$10.00	\$13.93	\$0.00	\$52.50
5	55	\$31.42	\$10.00	\$14.56	\$0.00	\$55.98
6	60	\$34.28	\$10.00	\$15.25	\$0.00	\$59.53
7	65	\$37.13	\$10.00	\$15.94	\$0.00	\$63.07
8	70	\$39.99	\$10.00	\$16.63	\$0.00	\$66.62
9	75	\$42.85	\$10.00	\$17.31	\$0.00	\$70.16
10	80	\$45.70	\$10.00	\$18.00	\$0.00	\$73.70

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>	12/01/2020	\$49.45	\$13.50	\$15.70	\$0.00	\$78.65
	06/01/2021	\$50.54	\$13.50	\$15.70	\$0.00	\$79.74
	12/01/2021	\$51.68	\$13.50	\$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>	12/01/2020	\$49.45	\$13.50	\$15.70	\$0.00	\$78.65
	06/01/2021	\$50.54	\$13.50	\$15.70	\$0.00	\$79.74
	12/01/2021	\$51.68	\$13.50	\$15.70	\$0.00	\$80.88

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

TELECOMMUNICATION TECHNICIAN <i>ELECTRICIANS LOCAL 223</i>	09/01/2020	\$36.86	\$10.90	\$12.45	\$0.00	\$60.21
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Apprentice - TELECOMMUNICATION TECHNICIAN - Local 223

Effective Date - 09/01/2020

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

Notes: See Electrician Apprentice Wages
 Telecom Apprentice Wages shall be the same as the Electrician Apprentice Wages
Apprentice to Journeyworker Ratio:2:3***

TERRAZZO FINISHERS <i>BRICKLAYERS LOCAL 3 - MARBLE & TILE</i>	08/01/2020	\$54.69	\$10.75	\$22.09	\$0.00	\$87.53
	02/01/2021	\$54.69	\$11.39	\$22.09	\$0.00	\$88.17
	08/01/2021	\$56.09	\$11.39	\$22.25	\$0.00	\$89.73
	02/01/2022	\$56.68	\$11.39	\$22.25	\$0.00	\$90.32

Apprentice - TERRAZZO FINISHER - Local 3 Marble & Tile

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

Effective Date - 02/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$27.35	\$11.39	\$22.09	\$0.00	\$60.83
2	60	\$32.81	\$11.39	\$22.09	\$0.00	\$66.29
3	70	\$38.28	\$11.39	\$22.09	\$0.00	\$71.76
4	80	\$43.75	\$11.39	\$22.09	\$0.00	\$77.23
5	90	\$49.22	\$11.39	\$22.09	\$0.00	\$82.70

Notes:
Apprentice to Journeyworker Ratio:1:3

TEST BORING DRILLER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2020	\$41.30	\$8.60	\$17.47	\$0.00	\$67.37
	06/01/2021	\$42.32	\$8.60	\$17.47	\$0.00	\$68.39
	12/01/2021	\$43.33	\$8.60	\$17.47	\$0.00	\$69.40

For apprentice rates see "Apprentice- LABORER"

TEST BORING DRILLER HELPER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2020	\$40.02	\$8.60	\$17.47	\$0.00	\$66.09
	06/01/2021	\$41.04	\$8.60	\$17.47	\$0.00	\$67.11
	12/01/2021	\$42.05	\$8.60	\$17.47	\$0.00	\$68.12

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TEST BORING LABORER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2020	\$39.90	\$8.60	\$17.47	\$0.00	\$65.97
	06/01/2021	\$40.92	\$8.60	\$17.47	\$0.00	\$66.99
	12/01/2021	\$41.93	\$8.60	\$17.47	\$0.00	\$68.00
For apprentice rates see "Apprentice- LABORER"						
TRACTORS/PORTABLE STEAM GENERATORS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$49.45	\$13.50	\$15.70	\$0.00	\$78.65
	06/01/2021	\$50.54	\$13.50	\$15.70	\$0.00	\$79.74
	12/01/2021	\$51.68	\$13.50	\$15.70	\$0.00	\$80.88
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
TRAILERS FOR EARTH MOVING EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	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>	12/01/2020	\$52.13	\$8.60	\$17.92	\$0.00	\$78.65
	06/01/2021	\$53.15	\$8.60	\$17.92	\$0.00	\$79.67
	12/01/2021	\$54.16	\$8.60	\$17.92	\$0.00	\$80.68
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - COMPRESSED AIR (HAZ. WASTE) <i>LABORERS (COMPRESSED AIR)</i>	12/01/2020	\$54.13	\$8.60	\$17.92	\$0.00	\$80.65
	06/01/2021	\$55.15	\$8.60	\$17.92	\$0.00	\$81.67
	12/01/2021	\$56.16	\$8.60	\$17.92	\$0.00	\$82.68
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - FREE AIR <i>LABORERS (FREE AIR TUNNEL)</i>	12/01/2020	\$44.20	\$8.60	\$17.92	\$0.00	\$70.72
	06/01/2021	\$45.22	\$8.60	\$17.92	\$0.00	\$71.74
	12/01/2021	\$46.23	\$8.60	\$17.92	\$0.00	\$72.75
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - FREE AIR (HAZ. WASTE) <i>LABORERS (FREE AIR TUNNEL)</i>	12/01/2020	\$46.20	\$8.60	\$17.92	\$0.00	\$72.72
	06/01/2021	\$47.22	\$8.60	\$17.92	\$0.00	\$73.74
	12/01/2021	\$48.23	\$8.60	\$17.92	\$0.00	\$74.75
For apprentice rates see "Apprentice- LABORER"						
VAC-HAUL <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	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 2</i>	12/01/2020	\$34.91	\$8.60	\$16.06	\$0.00	\$59.57
	06/01/2021	\$35.83	\$8.60	\$16.06	\$0.00	\$60.49
	12/01/2021	\$36.74	\$8.60	\$16.06	\$0.00	\$61.40
	06/01/2022	\$37.64	\$8.60	\$16.06	\$0.00	\$62.30
	12/01/2022	\$38.49	\$8.60	\$16.06	\$0.00	\$63.15
	06/01/2023	\$39.39	\$8.60	\$16.06	\$0.00	\$64.05
	12/01/2023	\$40.29	\$8.60	\$16.06	\$0.00	\$64.95
For apprentice rates see "Apprentice- LABORER"						
WAGON DRILL OPERATOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2020	\$34.91	\$8.60	\$16.06	\$0.00	\$59.57
	06/01/2021	\$35.83	\$8.60	\$16.06	\$0.00	\$60.49
	12/01/2021	\$36.74	\$8.60	\$16.06	\$0.00	\$61.40
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
WASTE WATER PUMP OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$49.98	\$13.50	\$15.70	\$0.00	\$79.18
	06/01/2021	\$51.08	\$13.50	\$15.70	\$0.00	\$80.28
	12/01/2021	\$52.23	\$13.50	\$15.70	\$0.00	\$81.43

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
WATER METER INSTALLER <i>PLUMBERS & PIPEFITTERS LOCAL 51</i>	08/31/2020	\$44.69	\$10.15	\$19.80	\$0.00	\$74.64
	08/30/2021	\$46.69	\$10.15	\$19.80	\$0.00	\$76.64
For apprentice rates see "Apprentice- PLUMBER/PIPEFITTER" or "PLUMBER/GASFITTER"						
Outside Electrical - East						
CABLE TECHNICIAN (Power Zone) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	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>	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>	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>	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>	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>	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>	08/30/2020	\$27.20	\$9.25	\$1.82	\$0.00	\$38.27
For apprentice rates see "Apprentice- LINEMAN"						
GROUNDMAN -Inexperienced (<2000 Hrs.) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	08/30/2020	\$22.25	\$9.25	\$1.82	\$0.00	\$33.32
For apprentice rates see "Apprentice- LINEMAN"						
JOURNEYMAN LINEMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	08/30/2020	\$49.45	\$9.25	\$17.48	\$0.00	\$76.18

Apprentice - LINEMAN (Outside Electrical) - East Local 104

Effective Date - 08/30/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$29.67	\$9.25	\$3.39	\$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
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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
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
Rental of Equipment - East						
(2 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2020	\$35.15	\$12.91	\$0.00	\$0.00	\$48.06
	06/01/2021	\$35.95	\$12.91	\$0.00	\$0.00	\$48.86
	08/01/2021	\$35.95	\$13.41	\$0.00	\$0.00	\$49.36
	12/01/2021	\$35.95	\$13.41	\$0.00	\$0.00	\$49.36
(3 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2020	\$35.22	\$12.91	\$0.00	\$0.00	\$48.13
	06/01/2021	\$36.02	\$12.91	\$0.00	\$0.00	\$48.93
	08/01/2021	\$36.02	\$13.41	\$0.00	\$0.00	\$49.43
	12/01/2021	\$36.02	\$13.41	\$0.00	\$0.00	\$49.43
(4 & 5 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2020	\$35.34	\$12.91	\$0.00	\$0.00	\$48.25
	06/01/2021	\$36.14	\$12.91	\$0.00	\$0.00	\$49.05
	08/01/2021	\$36.14	\$13.41	\$0.00	\$0.00	\$49.55
	12/01/2021	\$36.14	\$13.41	\$0.00	\$0.00	\$49.55
ADS/SUBMERSIBLE PILOT <i>PILE DRIVER LOCAL 56 (ZONE 2)</i>	08/01/2020	\$103.05	\$9.40	\$0.00	\$0.00	\$112.45
For apprentice rates see "Apprentice- PILE DRIVER"						
ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$49.98	\$13.50	\$0.00	\$0.00	\$63.48
	06/01/2021	\$51.08	\$13.50	\$0.00	\$0.00	\$64.58
	12/01/2021	\$52.23	\$13.50	\$0.00	\$0.00	\$65.73
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BACKHOE/FRONT-END LOADER <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$49.98	\$13.50	\$0.00	\$0.00	\$63.48
	06/01/2021	\$51.08	\$13.50	\$0.00	\$0.00	\$64.58
	12/01/2021	\$52.23	\$13.50	\$0.00	\$0.00	\$65.73
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BULLDOZER/GRADER/SCRAPER <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$49.45	\$13.50	\$0.00	\$0.00	\$62.95
	06/01/2021	\$50.54	\$13.50	\$0.00	\$0.00	\$64.04
	12/01/2021	\$51.68	\$13.50	\$0.00	\$0.00	\$65.18
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$50.98	\$13.50	\$0.00	\$0.00	\$64.48
	06/01/2021	\$52.08	\$13.50	\$0.00	\$0.00	\$65.58
	12/01/2021	\$53.23	\$13.50	\$0.00	\$0.00	\$66.73
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
COMPRESSOR OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$33.00	\$13.50	\$0.00	\$0.00	\$46.50
	06/01/2021	\$33.75	\$13.50	\$0.00	\$0.00	\$47.25
	12/01/2021	\$34.54	\$13.50	\$0.00	\$0.00	\$48.04
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
DIVER <i>PILE DRIVER LOCAL 56 (ZONE 2)</i>	08/01/2020	\$68.70	\$9.40	\$0.00	\$0.00	\$78.10
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER TENDER <i>PILE DRIVER LOCAL 56 (ZONE 2)</i>	08/01/2020	\$49.07	\$9.40	\$0.00	\$0.00	\$58.47
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER TENDER (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 2)</i>	08/01/2020	\$73.60	\$9.40	\$0.00	\$0.00	\$83.00
For apprentice rates see "Apprentice- PILE DRIVER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
DIVER/SLURRY (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 2)</i>	08/01/2020	\$103.05	\$9.40	\$0.00	\$0.00	\$112.45
For apprentice rates see "Apprentice- PILE DRIVER"						
FORK LIFT/CHERRY PICKER <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$49.98	\$13.50	\$0.00	\$0.00	\$63.48
	06/01/2021	\$51.08	\$13.50	\$0.00	\$0.00	\$64.58
	12/01/2021	\$52.23	\$13.50	\$0.00	\$0.00	\$65.73
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
GENERATOR/LIGHTING PLANT/HEATERS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$33.00	\$13.50	\$0.00	\$0.00	\$46.50
	06/01/2021	\$33.75	\$13.50	\$0.00	\$0.00	\$47.25
	12/01/2021	\$34.54	\$13.50	\$0.00	\$0.00	\$48.04
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
HOISTING ENGINEER/CRANES/GRADALLS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$49.98	\$13.50	\$0.00	\$0.00	\$63.48
	06/01/2021	\$51.08	\$13.50	\$0.00	\$0.00	\$64.58
	12/01/2021	\$52.23	\$13.50	\$0.00	\$0.00	\$65.73

Apprentice - OPERATING ENGINEERS - Local 4

Effective Date - 12/01/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$27.49	\$13.50	\$0.00	\$0.00	\$40.99
2	60	\$29.99	\$13.50	\$0.00	\$0.00	\$43.49
3	65	\$32.49	\$13.50	\$0.00	\$0.00	\$45.99
4	70	\$34.99	\$13.50	\$0.00	\$0.00	\$48.49
5	75	\$37.49	\$13.50	\$0.00	\$0.00	\$50.99
6	80	\$39.98	\$13.50	\$0.00	\$0.00	\$53.48
7	85	\$42.48	\$13.50	\$0.00	\$0.00	\$55.98
8	90	\$44.98	\$13.50	\$0.00	\$0.00	\$58.48

Effective Date - 06/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$28.09	\$13.50	\$0.00	\$0.00	\$41.59
2	60	\$30.65	\$13.50	\$0.00	\$0.00	\$44.15
3	65	\$33.20	\$13.50	\$0.00	\$0.00	\$46.70
4	70	\$35.76	\$13.50	\$0.00	\$0.00	\$49.26
5	75	\$38.31	\$13.50	\$0.00	\$0.00	\$51.81
6	80	\$40.86	\$13.50	\$0.00	\$0.00	\$54.36
7	85	\$43.42	\$13.50	\$0.00	\$0.00	\$56.92
8	90	\$45.97	\$13.50	\$0.00	\$0.00	\$59.47

Notes:

Apprentice to Journeyworker Ratio:1:6

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
LABORER <i>LABORERS - ZONE 2</i>	12/01/2020	\$34.66	\$8.60	\$0.00	\$0.00	\$43.26
	06/01/2021	\$35.58	\$8.60	\$0.00	\$0.00	\$44.18
	12/01/2021	\$36.49	\$8.60	\$0.00	\$0.00	\$45.09
	06/01/2022	\$37.39	\$8.60	\$0.00	\$0.00	\$45.99
	12/01/2022	\$38.24	\$8.60	\$0.00	\$0.00	\$46.84
	06/01/2023	\$39.14	\$8.60	\$0.00	\$0.00	\$47.74
	12/01/2023	\$40.04	\$8.60	\$0.00	\$0.00	\$48.64

Apprentice - LABORER - Zone 2

Effective Date - 12/01/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$20.80	\$8.60	\$0.00	\$0.00	\$29.40
2	70	\$24.26	\$8.60	\$0.00	\$0.00	\$32.86
3	80	\$27.73	\$8.60	\$0.00	\$0.00	\$36.33
4	90	\$31.19	\$8.60	\$0.00	\$0.00	\$39.79

Effective Date - 06/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$21.35	\$8.60	\$0.00	\$0.00	\$29.95
2	70	\$24.91	\$8.60	\$0.00	\$0.00	\$33.51
3	80	\$28.46	\$8.60	\$0.00	\$0.00	\$37.06
4	90	\$32.02	\$8.60	\$0.00	\$0.00	\$40.62

Notes:

Apprentice to Journeyworker Ratio:1:5

OILER (OTHER THAN TRUCK CRANES,GRADALLS) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$23.20	\$13.50	\$0.00	\$0.00	\$36.70
	06/01/2021	\$23.75	\$13.50	\$0.00	\$0.00	\$37.25
	12/01/2021	\$24.33	\$13.50	\$0.00	\$0.00	\$37.83

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

OILER (TRUCK CRANES, GRADALLS) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$27.97	\$13.50	\$0.00	\$0.00	\$41.47
	06/01/2021	\$28.61	\$13.50	\$0.00	\$0.00	\$42.11
	12/01/2021	\$29.29	\$13.50	\$0.00	\$0.00	\$42.79

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

OTHER POWER DRIVEN EQUIPMENT - CLASS II <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$49.45	\$13.50	\$0.00	\$0.00	\$62.95
	06/01/2021	\$50.54	\$13.50	\$0.00	\$0.00	\$64.04
	12/01/2021	\$51.68	\$13.50	\$0.00	\$0.00	\$65.18

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

PANEL & PICKUP TRUCKS DRIVER <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2020	\$34.98	\$12.91	\$0.00	\$0.00	\$47.89
	06/01/2021	\$35.78	\$12.91	\$0.00	\$0.00	\$48.69
	08/01/2021	\$35.78	\$13.41	\$0.00	\$0.00	\$49.19
	12/01/2021	\$35.78	\$13.41	\$0.00	\$0.00	\$49.19

POWER SHOVEL/DERRICK/TRENCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$49.98	\$13.50	\$0.00	\$0.00	\$63.48
	06/01/2021	\$51.08	\$13.50	\$0.00	\$0.00	\$64.58
	12/01/2021	\$52.23	\$13.50	\$0.00	\$0.00	\$65.73

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (CONCRETE) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$49.98	\$13.50	\$0.00	\$0.00	\$63.48
	06/01/2021	\$51.08	\$13.50	\$0.00	\$0.00	\$64.58
	12/01/2021	\$52.23	\$13.50	\$0.00	\$0.00	\$65.73
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (DEWATERING, OTHER) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$33.00	\$13.50	\$0.00	\$0.00	\$46.50
	06/01/2021	\$33.75	\$13.50	\$0.00	\$0.00	\$47.25
	12/01/2021	\$34.54	\$13.50	\$0.00	\$0.00	\$48.04
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
ROLLER/SPREADER/MULCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$49.45	\$13.50	\$0.00	\$0.00	\$62.95
	06/01/2021	\$50.54	\$13.50	\$0.00	\$0.00	\$64.04
	12/01/2021	\$51.68	\$13.50	\$0.00	\$0.00	\$65.18
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
SPECIALIZED EARTH MOVING EQUIP < 35 TONS <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2020	\$35.44	\$12.91	\$0.00	\$0.00	\$48.35
	06/01/2021	\$36.24	\$12.91	\$0.00	\$0.00	\$49.15
	08/01/2021	\$36.24	\$13.41	\$0.00	\$0.00	\$49.65
	12/01/2021	\$36.24	\$13.41	\$0.00	\$0.00	\$49.65
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
SPECIALIZED EARTH MOVING EQUIP > 35 TONS <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2020	\$35.73	\$12.91	\$0.00	\$0.00	\$48.64
	06/01/2021	\$36.53	\$12.91	\$0.00	\$0.00	\$49.44
	08/01/2021	\$36.53	\$13.41	\$0.00	\$0.00	\$49.94
	12/01/2021	\$36.53	\$13.41	\$0.00	\$0.00	\$49.94
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
TRACTORS/PORTABLE STEAM GENERATORS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2020	\$49.45	\$13.50	\$0.00	\$0.00	\$62.95
	06/01/2021	\$50.54	\$13.50	\$0.00	\$0.00	\$64.04
	12/01/2021	\$51.68	\$13.50	\$0.00	\$0.00	\$65.18
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
TRAILERS FOR EARTH MOVING EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2020	\$36.02	\$12.91	\$0.00	\$0.00	\$48.93
	06/01/2021	\$36.82	\$12.91	\$0.00	\$0.00	\$49.73
	08/01/2021	\$36.82	\$13.41	\$0.00	\$0.00	\$50.23
	12/01/2021	\$36.82	\$13.41	\$0.00	\$0.00	\$50.23
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
VAC-HAUL/CATCH BASIN CLEANING <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2020	\$35.44	\$12.91	\$0.00	\$0.00	\$48.35
	06/01/2021	\$36.24	\$12.91	\$0.00	\$0.00	\$49.15
	08/01/2021	\$36.24	\$13.41	\$0.00	\$0.00	\$49.65
	12/01/2021	\$36.24	\$13.41	\$0.00	\$0.00	\$49.65

Additional Apprentice Information:

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

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

All steps are six months (1000 hours.)

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

** Multiple ratios are listed in the comment field.

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

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