



Town of Tyringham

116 Main Rd • PO Box 442 • Tyringham, MA 01264

Phone: (413) 243-1749 Fax: (413) 243-4942 E-Mail: townhall@bcn.net

Town of Tyringham

Invitation to Bid

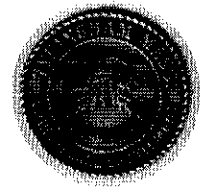
Bridge Scour Repair

The Town of Tyringham will receive sealed bids under MGL c. 30, S 39M for the Bridge no. T-10-002 bridge scour repair on Main Road (near 146 Main Road) until Wednesday, March 28, 2018 at 1:00 pm. Bids for the project are to be submitted to the Selectmen's Office, Tyringham Town Hall, 116 Main Road, Tyringham, MA 01264 on or before the above date and time. The bids will be publicly opened and read aloud on that date. Contractors or prospective bidder must be prequalified by the Highway Division of the Massachusetts Department of Transportation. The Board of Selectmen reserves the right to accept or reject any and all bids in the best interest of the Town. Complete specifications and plans are available on the town's web site: www.tyringham-ma.gov and at the Town Office, 116 Main Road, Tyringham, MA.

James Consolati, Chair. Board of Selectmen



Town of Tyringham



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Other requirements and additional information

The Town of Tyringham will secure "Right of Entry" to abutting property owners.

Police Detail will be provided by the Town.

Preparation and implementation of a Turtle Protection Plan by the Town.

Contractor is responsible for providing a dewatering plan to the Town (the Town will submit with a Work Start Form.)

The time of year work window for the scour project should be July 1, 2018 - September 30, 2018.

The minority employee percentage rate to be applied to this project will not be less than 5% in each class. Wage rates are subject to the minimum wage rate as per M.G.L. Chapter 149 Section 26 to 27 F, inclusive and are attached. The Town of Tyringham is an Equal Opportunity Employer.

Successful bidder will provide proof of Liability Insurance & OSHA training to the Town of Tyringham.

Bidders must be prequalified by MassDOT , Highway Division

A bid deposit of 5% of the value of the total bid is required.

50% Payment bond shall be submitted by successful bidder.

Noah Choquette is the Road Superintendent - (413) 243-1749.

Town of Tyringham



Selectmen's Office • 116 Main Road • P.O.Box 442
Tyringham, MA 01264 Ph.(413)243-1749 Fax.(413) 243-4942

CERTIFICATE OF NON-COLLUSION

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

Signature/Title

Company/Firm Name

Town of Tyringham



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Tyringham, MA 01264 Ph.(413)243-1749 Fax.(413) 243-4942

CERTIFICATE AS TO PAYMENT OF STATE TAXES

Pursuant to MGL Chapter 62C, Section 49A, I certify under the penalties of perjury that I have complied with the laws of the Commonwealth of Massachusetts relating to taxes.

**Social Security Number
Or Federal Identification Number**

**Signature of Individual
or Corporate Name**

By: _____

TECHNICAL SPECIFICATIONS

TOWN OF TYRINGHAM BRIDGE NO. T-10-002, MAIN ROAD OVER HOP BROOK BRIDGE SCOUR REPAIR

SPECIAL PROVISIONS TO THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION – HIGHWAY DIVISION STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES

DIVISION II

The work on this project shall conform to the 1988 Massachusetts Department of Transportation Highway Division Standard Specifications for Highways and Bridges, the July 1, 2015 Supplemental Specifications, the September 30, 2017 Interim Supplemental Specifications, The October 2016 Massachusetts Department of Transportation Highway Division Construction Standard Details; the 1990 Standard Drawings for Signs and Supports; the 1996 Construction and Traffic Standard Details (as relates to the Pavement Markings details only); the 2009 Manual on Uniform Traffic Control Devices (MUTCD) with Massachusetts Amendments and the Standard Municipal Traffic Code; the 1968 Standard Drawings for Traffic Signals and Highway Lighting; the latest edition of American Standard for Nursery Stock; the Plans and these Special Provisions. The 1988 Standard Specifications; the 2015 Supplemental Specifications and the 2016 Interim Supplemental Specifications shall be referred to collectively as the Standard Specifications.

The work includes repairing the scour hole at an undermined abutment. The work involves instalation of control of water, stream excavation, instalation of grout bags, pouring tremie concrete to undermined areas and applying riprap with cobble stones . The repair details are presented on 2 construction drawing sheets that have been reviewed and approved by MassDOT on February 16, 2018. Traffic management required to perform the repairs shall be as shown on the construction drawings. Payment for materials or work shown on the Plans as being part of the work to the bridge or which may be incidental to its construction and are not specifically included for payment under the Contract shall be considered incidental to the work performed. Where used within the contract documents, the terms “Department”, “Municipality”, and “Town” shall be taken to mean the Town of Tyringham. The term “Engineer” shall be taken to mean the authorized representative or Project Manager for the Town of Tyringham.

For the work specified under this Contract, the Contractor or Subcontractor(s) shall be prequalified by the Massachusetts Department of Transportation Highway Division (MassDOT) for the following classes of work:

Bridge Construction

PLANS AND DETAIL DRAWINGS

(Supplementing Subsection 5.02)

Existing plans are not available. Existing condition shown in the plans are from field observations and measurements.

The Contractor shall perform his/her own investigation of the existing bridges to determine their condition and details.

PROTECTION OF UTILITIES AND PROPERTY

(Supplementing Subsection 7.13)

The bridge plans may indicate the location of existing known utilities in the vicinity of the work. Bidders are cautioned to verify this information, as its accuracy and completeness are not guaranteed in any manner.

The Contractor is responsible for the protection of vehicular and pedestrian areas on and under the bridge being worked on. The Contractor at no additional compensation (unless otherwise, provided in this Contract) shall take all necessary precautions, including the use of shielding, to protect vehicles and pedestrians from debris.

NOTICE TO OWNERS OF UTILITIES

Written notice shall be given by the Contractor to all public service corporations or officials owning or having charge of publicly or privately owned utilities attached to, or in the vicinity of the bridge, of his intention to commence operations and the Contractor shall at that time file a copy of such notice with the Engineer.

Before the Contractor begins any work or operations that may cause damage to any subsurface structures, he shall carefully locate all such structures and conduct his operations so as to avoid any damage to them.

A list of public and private utilities can be found on the MassDOT website at:

<http://www.massdot.state.ma.us/>

Select Quick Links

Select Doing Business with the Highway Division

Select Design/Engineering

Select Utility Contacts

Select District 1 on top of the webpage, select the City/Town, and then locate the utility.

The utility contact list is for guidance only and is not guaranteed to be complete or up to date.

The Town of Tyringham directory is shown at website:

http://www.tyringham-ma.gov/Pages/TyringhamMA_WebDocs/departments

The Contractor shall be responsible for informing the following officials that he is assigned to work in:

Superintendent, Public Works Department
Police Department, Town of Tyringham
Fire Department, Town of Tyringham

PROTECTION OF UNDERGROUND FACILITIES

The Contractor's attention is directed to the necessity of making his own investigation in order to assure that no damage to existing structures, drainage lines, traffic signal conduits, et cetera, will occur.

The Contractor shall notify Massachusetts DIG SAFE and procure a Dig Safe Number for each location prior to disturbing existing ground in any way. The telephone number of the Dig Safe Call Center is 811 or 1-888-344-7233

PROVISIONS FOR TRAVEL AND PROSECUTION OF WORK

The Contractor shall notify the Town of Tyringham in writing at least two (2) weeks in advance of any proposed roadway closures necessary to complete the work. Before starting any work under this Contract, the Contractor shall submit a Schedule of Operations. Work from above roadway shall proceed only on such sections and widths thereof as will be approved by the Town of Tyringham.

DESIGNER/ TOWN DPW DIRECTOR

DESIGNER

Keith T. Nelson, P.E.
Gill Engineering Associates, Inc.
63 Kendrick Street
Needham, MA 02494
781-355-7100

TOWN DEPARTMENT OF WORKS

Noah Choquette
Superintendent
P.O. Box 442
Tyningham, MA 01264
413-243-4942

ITEM 281.6**COBBLE STONE****CY**

The work to be done under this Item consists of placing cobble stones over the proposed riprap and grout bags used for the scour repair. Cobble stones shall be from the project site or another site that replicates this stone. Stones shall be rounded without angular edges and meet the natural D50 stone size, 9 inches, of the existing stream bed.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

This Item will be measured and paid at the Contract unit price per Cubic Yard of cobble stones placed. The Contract price shall include all labor, tools, equipment and incidental work necessary to complete the work.

ITEM 698.3**GEOTEXTILE FABRIC FOR SEPARATION****SQUARE YARD**

The work under these items shall conform to the requirements of Section M9.50.0 of the Standard Specifications and the following:

The work under this item includes the furnishing and installation of geotextile fabric under crushed stone and riprap.

At locations of fabric installation, the streambed shall first be graded. All rocks, vegetation, and other obstructions shall be removed before placement of fabric. The fabric shall be installed and fastened in place in conformance with the manufacturers recommendations for each type of condition listed above.

MEASUREMENT AND PAYMENT

Geotextile fabric for separation will be measured for payment per square yard, complete in place; any overlaps shall be measured as a single layer of cloth.

Geotextile fabric for separation will be paid for at the Contract unit price per square yard, which price shall include all labor, tools, material, equipment and incidental costs required to complete the work.

ITEM 988.3**CHANNEL PAVING – GROUT FILLED BAGS****CUBIC YARD**

Work performed under this Item shall consist of providing all labor, materials, and equipment necessary for the installation of grout filled bags for scour protection and filling undermined areas of the existing substructure with grout as specified on the plans, and as directed by the Engineer.

MATERIALS

Grout

Cement, sand, and water shall conform to M4.02.01, M4.02.02A and M4.02.04, respectively. The Grout mix shall consist of a minimum of 845 lbs/cy of Type I or II Portland cement, 6% \pm 1% air entrainment by volume, mortar sand aggregate, and water proportioned to provide a pumpable mixture. The minimum 28-day compressive strength shall be 3,500 psi per AASHTO T 106/ASTM C 109. The Contractor shall submit in writing to the Engineer a mix design showing the mix proportions, and test results performed by an independent testing lab.

Admixtures

All concrete grout placed underwater shall contain an anti-washout admixture such as BASF's MasterMatrix UW 450, or approved equal meeting the requirements of the U.S. Army Corps of Engineers CRD-C 661-06, Specification for Anti-Washout Admixtures for Concrete. The admixture shall be used in accordance with the manufacturer's recommendations and shall be submitted for review and approval by the Engineer. Additional admixtures may be required to achieve the required air content and pumpability. Admixtures shall conform to M4.02.05 and be listed on the MassDOT Qualified Construction Materials List (QCML) where possible. Non-QCML listed products shall conform to the requirements of ASTM C 494 (AASHTO M194) and be subject to the review and approval of the Engineer.

Grout Bags

Grout bags shall be made of a high strength water permeable fabric of nylon or cordura. Each bag/mat shall be provided with a self-closing inlet valve to accommodate insertion of the grout pumping hose. Grout filled bags shall have a minimum length of 4-foot, a maximum length of 8-foot, a maximum width of 3'-3", and a minimum thickness of 12 inches. Seams shall be folded and double stitched.

Fabric shall exhibit the following properties in both warp and fill directions:

Test Property	Test Method	Specification
Tensile Strength, min.	ASTM D1628, Grab Method	4,800 lbs./ft.
Tear Strength, min.	ASTM D2262, Tongue Method	90 lbs.

The Contractor shall submit fabric grout bag material specifications and material certification to the Engineer for review and approval. The Contractor shall follow the manufacturer's recommendations for the specific fabric grout bag material approved. If material specifications and installation requirements differ between the manufacturer and Contract Documents, they shall be brought to the attention of the Engineer for review and concurrence prior to installation.

Grout Testing

Previous test results for the proposed grout mix completed within one year of the start of work shall be submitted for initial verification of the required compressive strengths for installation.

Grout consistency as measured by grout density shall be determined by the Contractor per API RP-13B-1, conducted just prior to start of grouting. The Baroid Mud Balance used in accordance with API RP-13B-1 is an approved device for determining the grout density of neat cement grout. The measured grout density shall be within $\pm 10\%$ of the density specified in the grout mix design submittal.

Grout samples shall be taken directly from the grout plant (on-site mixer and pump). The Contractor shall provide grout density test results to the Engineer within 24 hours of testing.

CONSTRUCTION METHODS

The Contractor shall develop and submit to the Engineer for approval a comprehensive grout bag and scour hole grout placement procedure. This procedure shall be submitted to the Engineer for approval at least 30 days prior to the date of intended placement. The Engineer will approve or reject the Contractor's submission within 15 calendar days after receipt of a complete submission. Additional time required due to incomplete or unacceptable submittals will not be cause for time extension or impact or delay claims. All costs associated with incomplete or unacceptable submittals shall be borne by the Contractor.

The channel shall be excavated and re-graded to the limits shown on the plans prior to placing the geotextile fabric. Geotextile fabric shall be placed prior to placing the crushed stone and grout bags/mats. Loose sediment and debris shall be removed from the scour void. Grout bags shall be placed on top of geotextile fabric placed on top of firm sound bearing material as determined by the Engineer.

The bags shall be positioned and filled so that they abut tightly to each other. No open gaps shall be permitted. Joints between bags in successive rows and tiers shall be staggered. Sufficient grout bags must be placed in front of the existing substructure to act as a retaining wall capable of resisting the horizontal pressure exerted by the grout intended to fill the scour areas. This retaining wall of grout filled bags shall form a stable wall of the required thickness, weight, and configuration. The contractor shall design and determine the required grout filled bag retaining wall configuration and shall submit all necessary design computations to the Engineer for approval. The grout bags must be allowed to cure sufficiently prior to filling the scour areas with grout.

Placement of the grout into the scour areas under the existing substructure shall continue uninterrupted until the scour holes are completely filled. Interruption of placement of grout through a single pipe shall not exceed 30 minutes without removal of the pipe or installing a new pipe and carrying out the restarting procedure.

Ready mixed grout from an automatic proportioning plant may be permitted by written permission of the Engineer. The ready mixed grout shall be furnished by a manufacturer approved by the MassDOT Research and Materials Laboratory.

The concrete/grout pump shall be capable of delivering up to 25 cy/hr.

When grout bags are used to seal off a void and then the grout mix is pumped into the void, the Contractor shall install 4-inch minimum diameter vent pipes at 4-foot maximum spacing to allow all trapped water in the void to escape while the grout is being pumped. The concrete/grout tube delivering the mix to the void shall be inserted so that the mix does not free fall. The void shall be filled by the tremie method. The vent pipes shall be removed or cut off flush with the bags when completed.

Trial Batch Testing

The Contractor's grout mix design, including admixtures, shall require trial batch testing to verify that the grout matrix remains cohesive and does not breakdown during the trial underwater placement. Production grouting of the grout bags and scour void shall not occur until approved by the Engineer after the trial batch placement has been conducted and successful results are verified.

In order to simulate the void repair, the Contractor shall construct a timber framing box, open on one end, with inside dimensions 2'-0" wide x 2'-0" tall x 6" deep. The box shall be submerged and secured against an existing upstream wingwall so that the open end of the box is facing outward toward the channel. This box opening shall serve as the trial void and shall be repaired using the Contractor's approved placement procedure using the minimum size and number of grout bags required to do so.

All materials and grout associated with the trial batch repair shall be removed from the channel after the grout has solidified.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Measurement shall be made to the nearest 0.1 cubic yards of grout filled bags and grout filled scour areas complete and accepted by the Engineer and trial batch testing as specified below. Geotextile Fabric for Permanent Erosion Control will be measured and paid for under Item 698.4.

Payment will be made at the contract unit price per cubic yards and shall be considered full compensation for all bags, grout, and all other incidental materials, flow barriers, labor, equipment, tools, re-grading, hauling, disposal, vent tubes, and incidentals necessary to complete the work, including trial batch testing, except as otherwise specified below.

Measurement and payment for the first trial batch shall be to the nearest 0.1 cubic yards, but shall not exceed 1 cubic yard. Any additional trial batches required shall not be measured for payment and shall be conducted at the Contractor's expense. All costs associated with the removal of the trial batch material shall be incidental to the work performed under this Item.

ITEM 991.1**CONTROL OF WATER OF BRIDGE NO. T10002****LUMP SUM**

The work to be done under this item shall conform to the relevant provisions of Sections 140 and 950 of the Standard Specifications and the following:

The work shall include the furnishing, installation, operation, maintenance, and removal of the water control system required for the construction of the proposed scour repairs and placement of riprap. The Water Control System shall be capable of both preventing flow through the constructed works and the lowering of the water table to an elevation below the bottom of existing foundation, as determined by the Engineer and as shown on the plans.

The system shall divert the water flow towards the middle of the stream. Sandbags or other means of blocking and diverting the water, as approved by the Engineer, shall be used both upstream and downstream to divert the flows. The Contractor shall adjust the height of the dam structure if needed, and use supplemental pumping in the event of an extreme rain event or unusually high flows.

Work shall be done during period of low flow.

Prior to installation of the Water Control System and diversion of the water, the Contractor shall notify the Town to inspect and document the existing stream bed prior to excavation.

The Contractor shall install and maintain temporary measures for the containment of the stream flow, the collection of siltation and debris due to construction activities and the maintenance of drainage through the drainage system upstream and downstream during the construction period. Temporary control measures shall include, but not be limited to, the use of sandbags, stone dikes and dams, sediment basins, crushed stone, paved or unpaved waterways and other devices or methods which meet the requirements of this section and approval of the Engineer.

The use of earthen berms in the stream is prohibited.

The Contractor shall submit a water control plan defining and detailing the methods for control of water and type of installation to be used to the Town and the Engineer for approval prior to construction. All plans, procedures and calculations shall be stamped by a Professional Engineer registered in the Commonwealth of Massachusetts. Alternate methods of dewatering may be substituted by the Contractor upon approval of the Engineer. The water control plan shall meet all the requirements of the U.S. Army Corps of Engineers General Permit requirements as noted in Appendix B and shall be approved by the Town's Conservation Agent prior to installation.

The Contractor shall be responsible for the removal and legal disposal of all temporary structures or devices to an off-site location. The Contractor is responsible for restoring the stream bed to its original state, regrading, loaming, and seeding of all disturbed areas, and any other incidental work required to perform this work as directed by the Engineer.

Prior to removal of the dewatering system, the Contractor shall notify the Town to inspect the restored stream bed.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Payment for the work to be done under this item shall be at the contract lump sum bid price for Item 991.1 Control of Water, which price shall include all labor, materials, equipment, sandbag dam or other means of blocking water and directing flow, utility adjustments, temporary diversion pipes, excavation for temporary pipes, filter bags, pumping, removal of temporary water control devices, restoration of all disturbed areas and all incidental costs required to complete the work.



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**Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands****WPA Form 5 – Order of Conditions**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

310-0122

MassDEP File #

890488

eDEP Transaction #

Tyringham

City/Town

A. General Information

Please note:
this form has
been modified
with added
space to
accommodate
the Registry
of Deeds
Requirements

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



1. From: Tyringham
Conservation Commission
2. This issuance is for
(check one): a. ☒ Order of Conditions b. ☐ Amended Order of Conditions

3. To: Applicant:

a. First Name Town of Tyringham b. Last Name _____

c. Organization PO Box 422

d. Mailing Address Tyringham

e. City/Town MA f. State 01264 g. Zip Code

4. Property Owner (if different from applicant):

a. First Name _____ b. Last Name _____

c. Organization Town of Tyringham

d. Mailing Address PO Box 422

e. City/Town Tyringham f. State MA g. Zip Code 01264

5. Project Location:

a. Street Address Bridge between 142 and 146 Main Rd b. City/Town Tyringham

c. Assessors Map/Plat Number 203 d. Parcel/Lot Number _____

Latitude and Longitude, if known: 42d24155m s 73d19823m s

d. Latitude e. Longitude



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 5 – Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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City/Town

A. General Information (cont.)

6. Property recorded at the Registry of Deeds for (attach additional information if more than one parcel):

a. County

b. Certificate Number (if registered land)

c. Book

d. Page

7. Dates: 2/16/2017 3/9/2017 3/9/2017
a. Date Notice of Intent Filed b. Date Public Hearing Closed c. Date of Issuance

8. Final Approved Plans and Other Documents (attach additional plan or document references as needed):

Bridge Scour Repair

a. Plan Title

Gill Engineering

Keith Nelson

b. Prepared By

c. Signed and Stamped by

11/15/2016

d. Final Revision Date

e. Scale

Bridge No. T-10-002, Main Road over Hop Brook

f. Additional Plan or Document Title

g. Date

B. Findings

1. Findings pursuant to the Massachusetts Wetlands Protection Act:

Following the review of the above-referenced Notice of Intent and based on the information provided in this application and presented at the public hearing, this Commission finds that the areas in which work is proposed is significant to the following interests of the Wetlands Protection Act (the Act). Check all that apply:

- a. ☐ Public Water Supply b. ☐ Land Containing Shellfish c. ☐ Prevention of Pollution
d. ☐ Private Water Supply e. ☐ Fisheries f. ☐ Protection of Wildlife Habitat
g. ☐ Groundwater Supply h. ☒ Storm Damage Prevention i. ☐ Flood Control

2. This Commission hereby finds the project, as proposed, is: (check one of the following boxes)

Approved subject to:

- a. ☒ the following conditions which are necessary in accordance with the performance standards set forth in the wetlands regulations. This Commission orders that all work shall be performed in accordance with the Notice of Intent referenced above, the following General Conditions, and any other special conditions attached to this Order. To the extent that the following conditions modify or differ from the plans, specifications, or other proposals submitted with the Notice of Intent, these conditions shall control.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

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B. Findings (cont.)

Denied because:

- b. ☐ the proposed work cannot be conditioned to meet the performance standards set forth in the wetland regulations. Therefore, work on this project may not go forward unless and until a new Notice of Intent is submitted which provides measures which are adequate to protect the interests of the Act, and a final Order of Conditions is issued. **A description of the performance standards which the proposed work cannot meet is attached to this Order.**
- c. ☐ the information submitted by the applicant is not sufficient to describe the site, the work, or the effect of the work on the interests identified in the Wetlands Protection Act. Therefore, work on this project may not go forward unless and until a revised Notice of Intent is submitted which provides sufficient information and includes measures which are adequate to protect the Act's interests, and a final Order of Conditions is issued. **A description of the specific information which is lacking and why it is necessary is attached to this Order as per 310 CMR 10.05(6)(c).**
3. ☐ Buffer Zone Impacts: Shortest distance between limit of project disturbance and the wetland resource area specified in 310 CMR 10.02(1)(a) a. linear feet

Inland Resource Area Impacts: Check all that apply below. (For Approvals Only)

Resource Area	Proposed Alteration	Permitted Alteration	Proposed Replacement	Permitted Replacement
4. <input type="checkbox"/> Bank	<u> </u> a. linear feet	<u> </u> b. linear feet	<u> </u> c. linear feet	<u> </u> d. linear feet
5. <input type="checkbox"/> Bordering Vegetated Wetland	<u> </u> a. square feet	<u> </u> b. square feet	<u> </u> c. square feet	<u> </u> d. square feet
6. <input type="checkbox"/> Land Under Waterbodies and Waterways	<u>833</u> a. square feet <u>33</u> e. c/y dredged	<u>833</u> b. square feet <u>33</u> f. c/y dredged	<u>833</u> c. square feet	<u>833</u> d. square feet
7. <input type="checkbox"/> Bordering Land Subject to Flooding	<u> </u> a. square feet	<u> </u> b. square feet	<u> </u> c. square feet	<u> </u> d. square feet
Cubic Feet Flood Storage	<u> </u> e. cubic feet	<u> </u> f. cubic feet	<u> </u> g. cubic feet	<u> </u> h. cubic feet
8. <input type="checkbox"/> Isolated Land Subject to Flooding	<u> </u> a. square feet	<u> </u> b. square feet		
Cubic Feet Flood Storage	<u> </u> c. cubic feet	<u> </u> d. cubic feet	<u> </u> e. cubic feet	<u> </u> f. cubic feet
9. <input type="checkbox"/> Riverfront Area	<u> </u> a. total sq. feet	<u> </u> b. total sq. feet		
Sq ft within 100 ft	<u> </u> c. square feet	<u> </u> d. square feet	<u> </u> e. square feet	<u> </u> f. square feet
Sq ft between 100-200 ft	<u> </u> g. square feet	<u> </u> h. square feet	<u> </u> i. square feet	<u> </u> j. square feet



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Bureau of Resource Protection - Wetlands

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B. Findings (cont.)

Coastal Resource Area Impacts: Check all that apply below. (For Approvals Only)

	Proposed Alteration	Permitted Alteration	Proposed Replacement	Permitted Replacement
10. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below			
11. <input type="checkbox"/> Land Under the Ocean	a. square feet	b. square feet		
	c. c/y dredged	d. c/y dredged		
12. <input type="checkbox"/> Barrier Beaches	Indicate size under Coastal Beaches and/or Coastal Dunes below			
13. <input type="checkbox"/> Coastal Beaches	a. square feet	b. square feet	c. ^{cu yd} nourishment	d. ^{cu yd} nourishment
14. <input type="checkbox"/> Coastal Dunes	a. square feet	b. square feet	c. ^{cu yd} nourishment	d. ^{cu yd} nourishment
15. <input type="checkbox"/> Coastal Banks	a. linear feet	b. linear feet		
16. <input type="checkbox"/> Rocky Intertidal Shores	a. square feet	b. square feet		
17. <input type="checkbox"/> Salt Marshes	a. square feet	b. square feet	c. square feet	d. square feet
18. <input type="checkbox"/> Land Under Salt Ponds	a. square feet	b. square feet		
	c. c/y dredged	d. c/y dredged		
19. <input type="checkbox"/> Land Containing Shellfish	a. square feet	b. square feet	c. square feet	d. square feet
20. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, Inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above			
	a. c/y dredged	b. c/y dredged		
21. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	a. square feet	b. square feet		
22. <input type="checkbox"/> Riverfront Area	a. total sq. feet	b. total sq. feet		
Sq ft within 100 ft	c. square feet	d. square feet	e. square feet	f. square feet
Sq ft between 100-200 ft	g. square feet	h. square feet	i. square feet	j. square feet



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City/Town

B. Findings (cont.)

* #23. If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.5.c (BVW) or B.17.c (Salt Marsh) above, please enter the additional amount here.

23. ☐ Restoration/Enhancement *:

a. square feet of BVW

b. square feet of salt marsh

24. ☐ Stream Crossing(s):

a. number of new stream crossings

b. number of replacement stream crossings

C. General Conditions Under Massachusetts Wetlands Protection Act

The following conditions are only applicable to Approved projects.

1. Failure to comply with all conditions stated herein, and with all related statutes and other regulatory measures, shall be deemed cause to revoke or modify this Order.
2. The Order does not grant any property rights or any exclusive privileges; it does not authorize any injury to private property or invasion of private rights.
3. This Order does not relieve the permittee or any other person of the necessity of complying with all other applicable federal, state, or local statutes, ordinances, bylaws, or regulations.
4. The work authorized hereunder shall be completed within three years from the date of this Order unless either of the following apply:
 - a. The work is a maintenance dredging project as provided for in the Act; or
 - b. The time for completion has been extended to a specified date more than three years, but less than five years, from the date of issuance. If this Order is intended to be valid for more than three years, the extension date and the special circumstances warranting the extended time period are set forth as a special condition in this Order.
 - c. If the work is for a Test Project, this Order of Conditions shall be valid for no more than one year.
5. This Order may be extended by the issuing authority for one or more periods of up to three years each upon application to the issuing authority at least 30 days prior to the expiration date of the Order. An Order of Conditions for a Test Project may be extended for one additional year only upon written application by the applicant, subject to the provisions of 310 CMR 10.05(11)(f).
6. If this Order constitutes an Amended Order of Conditions, this Amended Order of Conditions does not extend the issuance date of the original Final Order of Conditions and the Order will expire on _____ unless extended in writing by the Department.
7. Any fill used in connection with this project shall be clean fill. Any fill shall contain no trash, refuse, rubbish, or debris, including but not limited to lumber, bricks, plaster, wire, lath, paper, cardboard, pipe, tires, ashes, refrigerators, motor vehicles, or parts of any of the foregoing.



**Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands**

WPA Form 5 – Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

310-0122

MassDEP File #

890488

eDEP Transaction #

Tyringham

City/Town

C. General Conditions Under Massachusetts Wetlands Protection Act

8. This Order is not final until all administrative appeal periods from this Order have elapsed, or if such an appeal has been taken, until all proceedings before the Department have been completed.
9. No work shall be undertaken until the Order has become final and then has been recorded in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. In the case of recorded land, the Final Order shall also be noted in the Registry's Grantor Index under the name of the owner of the land upon which the proposed work is to be done. In the case of the registered land, the Final Order shall also be noted on the Land Court Certificate of Title of the owner of the land upon which the proposed work is done. The recording information shall be submitted to the Conservation Commission on the form at the end of this Order, which form must be stamped by the Registry of Deeds, prior to the commencement of work.
10. A sign shall be displayed at the site not less than two square feet or more than three square feet in size bearing the words,

"Massachusetts Department of Environmental Protection" [or, "MassDEP"]
"File Number 310-0122 "
11. Where the Department of Environmental Protection is requested to issue a Superseding Order, the Conservation Commission shall be a party to all agency proceedings and hearings before MassDEP.
12. Upon completion of the work described herein, the applicant shall submit a Request for Certificate of Compliance (WPA Form 8A) to the Conservation Commission.
13. The work shall conform to the plans and special conditions referenced in this order.
14. Any change to the plans identified in Condition #13 above shall require the applicant to inquire of the Conservation Commission in writing whether the change is significant enough to require the filing of a new Notice of Intent.
15. The Agent or members of the Conservation Commission and the Department of Environmental Protection shall have the right to enter and inspect the area subject to this Order at reasonable hours to evaluate compliance with the conditions stated in this Order, and may require the submittal of any data deemed necessary by the Conservation Commission or Department for that evaluation.
16. This Order of Conditions shall apply to any successor in interest or successor in control of the property subject to this Order and to any contractor or other person performing work conditioned by this Order.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

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Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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C. General Conditions Under Massachusetts Wetlands Protection Act (cont.)

17. Prior to the start of work, and if the project involves work adjacent to a Bordering Vegetated Wetland, the boundary of the wetland in the vicinity of the proposed work area shall be marked by wooden stakes or flagging. Once in place, the wetland boundary markers shall be maintained until a Certificate of Compliance has been issued by the Conservation Commission.
18. All sedimentation barriers shall be maintained in good repair until all disturbed areas have been fully stabilized with vegetation or other means. At no time shall sediments be deposited in a wetland or water body. During construction, the applicant or his/her designee shall inspect the erosion controls on a daily basis and shall remove accumulated sediments as needed. The applicant shall immediately control any erosion problems that occur at the site and shall also immediately notify the Conservation Commission, which reserves the right to require additional erosion and/or damage prevention controls it may deem necessary. Sedimentation barriers shall serve as the limit of work unless another limit of work line has been approved by this Order.
19. The work associated with this Order (the "Project")
 - (1) ☐ is subject to the Massachusetts Stormwater Standards
 - (2) ☒ is NOT subject to the Massachusetts Stormwater Standards

If the work is subject to the Stormwater Standards, then the project is subject to the following conditions:

- a) All work, including site preparation, land disturbance, construction and redevelopment, shall be implemented in accordance with the construction period pollution prevention and erosion and sedimentation control plan and, if applicable, the Stormwater Pollution Prevention Plan required by the National Pollution Discharge Elimination System Construction General Permit as required by Stormwater Condition 8. Construction period erosion, sedimentation and pollution control measures and best management practices (BMPs) shall remain in place until the site is fully stabilized.
- b) No stormwater runoff may be discharged to the post-construction stormwater BMPs unless and until a Registered Professional Engineer provides a Certification that:
 - i. all construction period BMPs have been removed or will be removed by a date certain specified in the Certification. For any construction period BMPs intended to be converted to post construction operation for stormwater attenuation, recharge, and/or treatment, the conversion is allowed by the MassDEP Stormwater Handbook BMP specifications and that the BMP has been properly cleaned or prepared for post construction operation, including removal of all construction period sediment trapped in inlet and outlet control structures;
 - ii. as-built final construction BMP plans are included, signed and stamped by a Registered Professional Engineer, certifying the site is fully stabilized;
 - iii. any illicit discharges to the stormwater management system have been removed, as per the requirements of Stormwater Standard 10;



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C. General Conditions Under Massachusetts Wetlands Protection Act (cont.)

iv. all post-construction stormwater BMPs are installed in accordance with the plans (including all planting plans) approved by the issuing authority, and have been inspected to ensure that they are not damaged and that they are in proper working condition;

v. any vegetation associated with post-construction BMPs is suitably established to withstand erosion.

c) The landowner is responsible for BMP maintenance until the issuing authority is notified that another party has legally assumed responsibility for BMP maintenance. Prior to requesting a Certificate of Compliance, or Partial Certificate of Compliance, the responsible party (defined in General Condition 18(e)) shall execute and submit to the issuing authority an Operation and Maintenance Compliance Statement ("O&M Statement") for the Stormwater BMPs identifying the party responsible for implementing the stormwater BMP Operation and Maintenance Plan ("O&M Plan") and certifying the following:

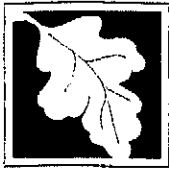
i.) the O&M Plan is complete and will be implemented upon receipt of the Certificate of Compliance, and

ii.) the future responsible parties shall be notified in writing of their ongoing legal responsibility to operate and maintain the stormwater management BMPs and implement the Stormwater Pollution Prevention Plan.

d) Post-construction pollution prevention and source control shall be implemented in accordance with the long-term pollution prevention plan section of the approved Stormwater Report and, if applicable, the Stormwater Pollution Prevention Plan required by the National Pollution Discharge Elimination System Multi-Sector General Permit.

e) Unless and until another party accepts responsibility, the landowner, or owner of any drainage easement, assumes responsibility for maintaining each BMP. To overcome this presumption, the landowner of the property must submit to the issuing authority a legally binding agreement of record, acceptable to the issuing authority, evidencing that another entity has accepted responsibility for maintaining the BMP, and that the proposed responsible party shall be treated as a permittee for purposes of implementing the requirements of Conditions 18(f) through 18(k) with respect to that BMP. Any failure of the proposed responsible party to implement the requirements of Conditions 18(f) through 18(k) with respect to that BMP shall be a violation of the Order of Conditions or Certificate of Compliance. In the case of stormwater BMPs that are serving more than one lot, the legally binding agreement shall also identify the lots that will be serviced by the stormwater BMPs. A plan and easement deed that grants the responsible party access to perform the required operation and maintenance must be submitted along with the legally binding agreement.

f) The responsible party shall operate and maintain all stormwater BMPs in accordance with the design plans, the O&M Plan, and the requirements of the Massachusetts Stormwater Handbook.



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WPA Form 5 – Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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C. General Conditions Under Massachusetts Wetlands Protection Act (cont.)

- g) The responsible party shall:
1. Maintain an operation and maintenance log for the last three (3) consecutive calendar years of inspections, repairs, maintenance and/or replacement of the stormwater management system or any part thereof, and disposal (for disposal the log shall indicate the type of material and the disposal location);
 2. Make the maintenance log available to MassDEP and the Conservation Commission ("Commission") upon request; and
 3. Allow members and agents of the MassDEP and the Commission to enter and inspect the site to evaluate and ensure that the responsible party is in compliance with the requirements for each BMP established in the O&M Plan approved by the issuing authority.
- h) All sediment or other contaminants removed from stormwater BMPs shall be disposed of in accordance with all applicable federal, state, and local laws and regulations.
- i) Illicit discharges to the stormwater management system as defined in 310 CMR 10.04 are prohibited.
- j) The stormwater management system approved in the Order of Conditions shall not be changed without the prior written approval of the issuing authority.
- k) Areas designated as qualifying pervious areas for the purpose of the Low Impact Site Design Credit (as defined in the MassDEP Stormwater Handbook, Volume 3, Chapter 1, Low Impact Development Site Design Credits) shall not be altered without the prior written approval of the issuing authority.
- l) Access for maintenance, repair, and/or replacement of BMPs shall not be withheld. Any fencing constructed around stormwater BMPs shall include access gates and shall be at least six inches above grade to allow for wildlife passage.

Special Conditions (if you need more space for additional conditions, please attach a text document):

Turtle Protection Plan - Prior to any work, the applicant shall submit a Turtle Protection Plan, prepared by a qualified biologist, to the Division for review and approval. Said protection plan must be approved in writing by the Division prior to the start of work. Please note that a Scientific Collection Permit must be obtained from the NHESP to handle state-listed species. The Division is available to provide guidance in the development of plan.

-
20. For Test Projects subject to 310 CMR 10.05(11), the applicant shall also implement the monitoring plan and the restoration plan submitted with the Notice of Intent. If the conservation commission or Department determines that the Test Project threatens the public health, safety or the environment, the applicant shall implement the removal plan submitted with the Notice of Intent or modify the project as directed by the conservation commission or the Department.



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D. Findings Under Municipal Wetlands Bylaw or Ordinance

1. Is a municipal wetlands bylaw or ordinance applicable? ☐ Yes ☐ No
2. The _____ hereby finds (check one that applies):

Conservation Commission

- a. ☐ that the proposed work cannot be conditioned to meet the standards set forth in a municipal ordinance or bylaw, specifically:

1. Municipal Ordinance or Bylaw

2. Citation

Therefore, work on this project may not go forward unless and until a revised Notice of Intent is submitted which provides measures which are adequate to meet these standards, and a final Order of Conditions is issued.

- b. ☐ that the following additional conditions are necessary to comply with a municipal ordinance or bylaw:

1. Municipal Ordinance or Bylaw

2. Citation

3. The Commission orders that all work shall be performed in accordance with the following conditions and with the Notice of Intent referenced above. To the extent that the following conditions modify or differ from the plans, specifications, or other proposals submitted with the Notice of Intent, the conditions shall control.

The special conditions relating to municipal ordinance or bylaw are as follows (if you need more space for additional conditions, attach a text document):



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
WPA Form 5 – Order of Conditions
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
310-0122
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890488
eDEP Transaction #
Tyringham
City/Town

E. Signatures

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



This Order is valid for three years, unless otherwise specified as a special condition pursuant to General Conditions #4, from the date of issuance.

Please indicate the number of members who will sign this form.

This Order must be signed by a majority of the Conservation Commission.

The Order must be mailed by certified mail (return receipt requested) or hand delivered to the applicant. A copy must be mailed, hand delivered or filed electronically at the same time with the appropriate MassDEP Regional Office.

3-9-17

1. Date of Issuance

4

2. Number of Signers

Signatures:

Matthew P. Curtis Matthew P. Curtis
Mark J. Curtin Mark J. Curtin
Amanda Hamilton Amanda Hamilton

Barbara Palmer Barbara Palmer

☐ by hand delivery on

Date

☒ by certified mail, return receipt requested, on

3-10-17

Date

F. Appeals

The applicant, the owner, any person aggrieved by this Order, any owner of land abutting the land subject to this Order, or any ten residents of the city or town in which such land is located, are hereby notified of their right to request the appropriate MassDEP Regional Office to issue a Superseding Order of Conditions. The request must be made by certified mail or hand delivery to the Department, with the appropriate filing fee and a completed Request for Departmental Action Fee Transmittal Form, as provided in 310 CMR 10.03(7) within ten business days from the date of issuance of this Order. A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission and to the applicant, if he/she is not the appellant.

Any appellants seeking to appeal the Department's Superseding Order associated with this appeal will be required to demonstrate prior participation in the review of this project. Previous participation in the permit proceeding means the submission of written information to the Conservation Commission prior to the close of the public hearing, requesting a Superseding Order, or providing written information to the Department prior to issuance of a Superseding Order.

The request shall state clearly and concisely the objections to the Order which is being appealed and how the Order does not contribute to the protection of the interests identified in the Massachusetts Wetlands Protection Act (M.G.L. c. 131, § 40), and is inconsistent with the wetlands regulations (310 CMR 10.00). To the extent that the Order is based on a municipal ordinance or bylaw, and not on the Massachusetts Wetlands Protection Act or regulations, the Department has no appellate jurisdiction.

APPENDIX B
US ARMY CORPS OF ENGINEERS GENERAL PERMIT



DEPARTMENT OF THE ARMY
US ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
696 VIRGINIA ROAD
CONCORD MA 01742-2751

August 24, 2017

Regulatory Division
File Number: NAE-2017-00803

Matthew Puntin
Town of Tyringham, Office of the Selectmen
P.O. Box 442
Tyringham, Massachusetts 01264

Dear Mr. Puntin:

We have reviewed your application to install sandbag cofferdams in order to temporarily dewater up to 1080 square feet of an existing stream, remove existing rip rap, and place fill material into approximately 833 square feet of a water of the United States in order to install grout bags and add concrete grout to repair an eroded/undermined bridge abutment footing, place new crushed stone, and replace rip rap to protect bridge abutments and restore the stream bed to approximate original contours. This project is located in Hop Brook at 146 Main Road, Tyringham, Massachusetts. The work is shown on the enclosed plans entitled "SCOUR REPAIR FOR TYRINGHAM T-10-002 MAIN ROAD OVER HOP BROOK," on 2 sheets, undated (received by our office on July 5, 2017).

Based on the information you have provided, we have determined that the proposed activity, which includes work and/or a discharge of dredged or fill material into waters of the United States, including wetlands, will have only minimal individual or cumulative environmental impacts. Therefore, this work is authorized under the enclosed February 2015 General Permits for Massachusetts (GPs for MA), specifically GPs 1 and 14, under the pre-construction notification process. This work must be performed in accordance with the terms and conditions of the GPs and also in compliance with the following special condition(s):

1. You must complete and return the enclosed Work Start Notification Form to this office at least two weeks before the anticipated starting date.
2. You must also provide a schematic diagram of the selected dewatering system (e.g., one-sided construction including cofferdam to allow continuous flow vs. bypass pumping allowing two-sided construction) to this office and the Massachusetts Department of Environmental Protection (MassDEP) simultaneously with the Work Start Notification Form.
3. You must also complete and return the enclosed Compliance Certification Form within one month following the completion of the authorized work.

4. You must also provide "as-built" photographs of the restored streambed, including work areas 100 feet up- and downstream of the authorized work, to this office and MassDEP simultaneously with the Compliance Certification Form

You are responsible for complying with all of the GP requirements. Please review the enclosed GPs for MA document carefully, in particular the general conditions beginning on Page 23, to familiarize yourself with its contents. You should ensure that whoever does the work fully understands the requirements and that a copy of the permit document and this authorization letter are at the project site throughout the time the work is underway. Please note that we have waived the time of year restriction of General Condition 18.

This authorization does not obviate the need to obtain other Federal, State, or local authorizations required by law, as listed on Page 57 of the GP document. Performing work not specifically authorized by this determination or failing to comply with any special condition(s) provided above or all the terms and conditions of the GP may subject you to the enforcement provisions of our regulations.

This authorization presumes that the work as described above and as shown on your plans noted above is in waters of the U.S. You may submit a request for an approved jurisdictional determination to this office in writing if you desire.

This authorization expires on February 4, 2020. You must commence or have under contract to commence the work authorized herein by February 4, 2020 and complete the work by February 4, 2021. If you do not, you must contact this office to determine the need for further authorization before beginning or continuing the activity. We recommend you contact us *before* this permit expires to discuss a time extension or permit reissuance.

You must contact us immediately to discuss modification of this authorization if you change the plans or construction methods for work within our jurisdiction. This office must approve any changes before you undertake them.

We continually strive to improve our customer service. In order for us to better serve you, we would appreciate your completing our Customer Service Survey located at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey.

Please contact Alan Anacheke-Nasemann, of my staff, at (978) 318-8214, or via e-mail at: alan.r.anacheke-nasemann@usace.army.mil if you have any questions.

Sincerely,

A handwritten signature in black ink, reading "Barbara H. Newman". The signature is fluid and cursive, with the first name "Barbara" being more prominent and the last name "Newman" following in a similar style.

Barbara H. Newman
Chief, Permits & Enforcement Branch
Regulatory Division

Enclosures

cc:

Keith Nelson, Gill Engineering, Needham, MA, knelson@gill-eng.com

Ed Reiner, U.S. EPA, Region 1, Boston, Massachusetts, reiner.ed@epa.gov

David Foulis, DEP WERO, Wetlands and Waterways, Springfield, MA,
david.foulis@state.ma.us.us

April Curtin, Clerk, Conservation Commission, Tyngham, MA Tyrcc@bcn.net



**US Army Corps
of Engineers**
New England District

WORK-START NOTIFICATION FORM
(Minimum Notice: Two weeks before work begins)

* EMAIL TO: cenae-r@usace.army.mil; or *
* * * * *
* MAIL TO: **Alan R. Anacheke-Nasemann, PWS** *
* U.S. Army Corps of Engineers, New England District *
* Permits and Enforcement Branch *
* Regulatory Division *
* 696 Virginia Road *
* Concord, Massachusetts 01742-2751 *

Corps of Engineers Permit No. **NAE-2017-00803** was issued to **The Town of Tyringham, MA**, on **August 24, 2017**, and authorized the permittee to install sandbag cofferdams in order to temporarily dewater up to 1080 square feet of an existing stream, remove existing rip rap, and place fill material into approximately 833 square feet of a water of the United States in order to install grout bags and add concrete grout to repair an eroded/undermined bridge abutment footing, place new crushed stone, and replace rip rap to protect bridge abutments and restore the stream bed to approximate original contours.

The people (e.g., contractor) listed below will complete the work, and they understand the permit's conditions and limitations.

PLEASE PRINT OR TYPE

Name of Person/Firm: _____

Business Address: _____

Telephone Numbers: () _____ () _____

Proposed Work Dates: Start: _____ Finish: _____

Permittee/Agent Signature: _____ Date: _____

Printed Name: _____ Title: _____

Date Permit Issued: _____ Date Permit Expires: _____

FOR USE BY THE CORPS OF ENGINEERS

PM: Anacheke-Nasemann Submittals Required: _____

Inspection Recommendation: _____



**US Army Corps
of Engineers ®**
New England District

(Minimum Notice: Permittee must sign and return notification
within one month of the completion of work.)

COMPLIANCE CERTIFICATION FORM

Permit Number: NAE-2017-00803

Project Manager: Anacheke-Nasemann

Name of Permittee: Town of Tyringham, MA

Permit Issuance Date: August 24, 2017

Please sign this certification and return it to the following address upon completion of the activity and any mitigation required by the permit. You must submit this after the mitigation is complete, but not the mitigation monitoring, which requires separate submittals.

* MAIL TO: U.S. Army Corps of Engineers, New England District *
* Permits and Enforcement Branch A *
* Regulatory Division *
* 696 Virginia Road *
* Concord, Massachusetts 01742-2751 *

Please note that your permitted activity is subject to a compliance inspection by an U.S. Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above referenced permit was completed in accordance with the terms and conditions of the above referenced permit, and any required mitigation was completed in accordance with the permit conditions.

Signature of Permittee

Date

Printed Name

Date of Work Completion

() _____
Telephone Number

() _____
Telephone Number



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

WILLIAM D. MCKINNEY
Director

Awarding Authority: Town of Tyringham
Contract Number: **City/Town:** TYRINGHAM
Description of Work: Repairing the scour hole at an undermined abutment. Involves installation of control of water, stream excavation, installation of grout bags, pouring tremie concrete to undermined areas and riprap
Job Location: Main Road, Tyringham, MA

Information about Prevailing Wage Schedules for Awarding Authorities and Contractors

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

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
Construction						
(2 AXLE) DRIVER - EQUIPMENT TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	12/01/2016	\$32.15	\$10.91	\$10.89	\$0.00	\$53.95
(3 AXLE) DRIVER - EQUIPMENT TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	12/01/2016	\$32.22	\$10.91	\$10.89	\$0.00	\$54.02
(4 & 5 AXLE) DRIVER - EQUIPMENT TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	12/01/2016	\$32.34	\$10.91	\$10.89	\$0.00	\$54.14
ADS/SUBMERSIBLE PILOT PILE DRIVER LOCAL 56 (ZONE 3)	08/01/2017	\$92.97	\$9.90	\$21.15	\$0.00	\$124.02
	08/01/2018	\$97.80	\$9.90	\$21.15	\$0.00	\$128.85
	08/01/2019	\$102.78	\$9.90	\$21.15	\$0.00	\$133.83
For apprentice rates see "Apprentice- PILE DRIVER"						
AIR TRACK OPERATOR LABORERS - ZONE 4 (BUILDING & SITE)	12/01/2017	\$26.75	\$7.70	\$12.00	\$0.00	\$46.45
	06/01/2018	\$27.50	\$7.70	\$12.00	\$0.00	\$47.20
	12/01/2018	\$28.25	\$7.70	\$12.00	\$0.00	\$47.95
	06/01/2019	\$29.00	\$7.70	\$12.00	\$0.00	\$48.70
	12/01/2019	\$29.75	\$7.70	\$12.00	\$0.00	\$49.45
	06/01/2020	\$30.40	\$7.70	\$12.00	\$0.00	\$50.10
	12/01/2020	\$31.05	\$7.70	\$12.00	\$0.00	\$50.75
For apprentice rates see "Apprentice- LABORER"						
AIR TRACK OPERATOR (HEAVY & HIGHWAY) LABORERS - ZONE 4 (HEAVY & HIGHWAY)	12/01/2017	\$27.93	\$7.70	\$13.04	\$0.00	\$48.67
	06/01/2018	\$28.68	\$7.70	\$13.04	\$0.00	\$49.42
	12/01/2018	\$29.42	\$7.70	\$13.04	\$0.00	\$50.16
	06/01/2019	\$30.19	\$7.70	\$13.04	\$0.00	\$50.93
	12/01/2019	\$30.96	\$7.70	\$13.04	\$0.00	\$51.70
	06/01/2020	\$31.75	\$7.70	\$13.04	\$0.00	\$52.49
	12/01/2020	\$32.54	\$7.70	\$13.04	\$0.00	\$53.28
	06/01/2021	\$33.36	\$7.70	\$13.04	\$0.00	\$54.10
	12/01/2021	\$34.17	\$7.70	\$13.04	\$0.00	\$54.91
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
ASBESTOS WORKER (PIPES & TANKS) HEAT & FROST INSULATORS LOCAL 6 (SPRINGFIELD)	12/01/2017	\$32.31	\$11.50	\$6.60	\$0.00	\$50.41
	06/01/2018	\$33.21	\$11.50	\$6.60	\$0.00	\$51.31
	12/01/2018	\$34.11	\$11.50	\$6.60	\$0.00	\$52.21
	06/01/2019	\$35.01	\$11.50	\$6.60	\$0.00	\$53.11
	12/01/2019	\$35.91	\$11.50	\$6.60	\$0.00	\$54.01
	06/01/2020	\$36.81	\$11.50	\$6.60	\$0.00	\$54.91
	12/01/2020	\$37.71	\$11.50	\$6.60	\$0.00	\$55.81
ASPHALT RAKER LABORERS - ZONE 4 (BUILDING & SITE)	12/01/2017	\$26.25	\$7.70	\$12.00	\$0.00	\$45.95
	06/01/2018	\$27.00	\$7.70	\$12.00	\$0.00	\$46.70
	12/01/2018	\$27.75	\$7.70	\$12.00	\$0.00	\$47.45
	06/01/2019	\$28.50	\$7.70	\$12.00	\$0.00	\$48.20
	12/01/2019	\$29.25	\$7.70	\$12.00	\$0.00	\$48.95
	06/01/2020	\$29.90	\$7.70	\$12.00	\$0.00	\$49.60
	12/01/2020	\$30.55	\$7.70	\$12.00	\$0.00	\$50.25
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
ASPHALT RAKER (HEAVY & HIGHWAY) LABORERS - ZONE 4 (HEAVY & HIGHWAY)	12/01/2017	\$27.43	\$7.70	\$13.04	\$0.00	\$48.17
	06/01/2018	\$28.18	\$7.70	\$13.04	\$0.00	\$48.92
	12/01/2018	\$28.92	\$7.70	\$13.04	\$0.00	\$49.66
	06/01/2019	\$29.69	\$7.70	\$13.04	\$0.00	\$50.43
	12/01/2019	\$30.46	\$7.70	\$13.04	\$0.00	\$51.20
	06/01/2020	\$31.25	\$7.70	\$13.04	\$0.00	\$51.99
	12/01/2020	\$32.04	\$7.70	\$13.04	\$0.00	\$52.78
	06/01/2021	\$32.86	\$7.70	\$13.04	\$0.00	\$53.60
	12/01/2021	\$33.67	\$7.70	\$13.04	\$0.00	\$54.41
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
AUTOMATIC GRADER-EXCAVATOR (RECLAIMER) OPERATING ENGINEERS LOCAL 98	12/01/2017	\$34.18	\$10.99	\$13.12	\$0.00	\$58.29
	06/01/2018	\$34.79	\$10.99	\$13.39	\$0.00	\$59.17
	12/01/2018	\$35.39	\$10.99	\$13.66	\$0.00	\$60.04
	06/01/2019	\$35.90	\$10.99	\$13.93	\$0.00	\$60.82
	12/01/2019	\$36.50	\$10.99	\$14.20	\$0.00	\$61.69
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BACKHOE/FRONT-END LOADER OPERATOR OPERATING ENGINEERS LOCAL 98	12/01/2017	\$34.18	\$10.99	\$13.12	\$0.00	\$58.29
	06/01/2018	\$34.79	\$10.99	\$13.39	\$0.00	\$59.17
	12/01/2018	\$35.39	\$10.99	\$13.66	\$0.00	\$60.04
	06/01/2019	\$35.90	\$10.99	\$13.93	\$0.00	\$60.82
	12/01/2019	\$36.50	\$10.99	\$14.20	\$0.00	\$61.69
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BARCO-TYPE JUMPING TAMPER LABORERS - ZONE 4 (BUILDING & SITE)	12/01/2017	\$26.25	\$7.70	\$12.00	\$0.00	\$45.95
	06/01/2018	\$27.00	\$7.70	\$12.00	\$0.00	\$46.70
	12/01/2018	\$27.75	\$7.70	\$12.00	\$0.00	\$47.45
	06/01/2019	\$28.50	\$7.70	\$12.00	\$0.00	\$48.20
	12/01/2019	\$29.25	\$7.70	\$12.00	\$0.00	\$48.95
	06/01/2020	\$29.90	\$7.70	\$12.00	\$0.00	\$49.60
	12/01/2020	\$30.55	\$7.70	\$12.00	\$0.00	\$50.25
For apprentice rates see "Apprentice- LABORER"						
BATCH/CEMENT PLANT - ON SITE OPERATING ENGINEERS LOCAL 98	12/01/2017	\$33.65	\$10.99	\$13.12	\$0.00	\$57.76
	06/01/2018	\$34.26	\$10.99	\$13.39	\$0.00	\$58.64
	12/01/2018	\$34.86	\$10.99	\$13.66	\$0.00	\$59.51
	06/01/2019	\$35.37	\$10.99	\$13.93	\$0.00	\$60.29
	12/01/2019	\$35.97	\$10.99	\$14.20	\$0.00	\$61.16
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BLOCK PAVER, RAMMER / CURB SETTER LABORERS - ZONE 4 (BUILDING & SITE)	12/01/2017	\$26.75	\$7.70	\$12.00	\$0.00	\$46.45
	06/01/2018	\$27.50	\$7.70	\$12.00	\$0.00	\$47.20
	12/01/2018	\$28.25	\$7.70	\$12.00	\$0.00	\$47.95
	06/01/2019	\$29.00	\$7.70	\$12.00	\$0.00	\$48.70
	12/01/2019	\$29.75	\$7.70	\$12.00	\$0.00	\$49.45
	06/01/2020	\$30.40	\$7.70	\$12.00	\$0.00	\$50.10
	12/01/2020	\$31.05	\$7.70	\$12.00	\$0.00	\$50.75
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
BLOCK PAVER, RAMMER / CURB SETTER (HEAVY & HIGHWAY)	12/01/2017	\$27.93	\$7.70	\$13.04	\$0.00	\$48.67
LABORERS - ZONE 4 (HEAVY & HIGHWAY)	06/01/2018	\$28.68	\$7.70	\$13.04	\$0.00	\$49.42
	12/01/2018	\$29.42	\$7.70	\$13.04	\$0.00	\$50.16
	06/01/2019	\$30.19	\$7.70	\$13.04	\$0.00	\$50.93
	12/01/2019	\$30.96	\$7.70	\$13.04	\$0.00	\$51.70
	06/01/2020	\$31.75	\$7.70	\$13.04	\$0.00	\$52.49
	12/01/2020	\$32.54	\$7.70	\$13.04	\$0.00	\$53.28
	06/01/2021	\$33.36	\$7.70	\$13.04	\$0.00	\$54.10
	12/01/2021	\$34.17	\$7.70	\$13.04	\$0.00	\$54.91
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)						
BOILER MAKER	01/01/2017	\$42.92	\$6.97	\$16.21	\$0.00	\$66.10
BOILERMAKERS LOCAL 29						

Apprentice - BOILERMAKER - Local 29

Effective Date - 01/01/2017

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

Notes:

Apprentice to Journeyworker Ratio:1:5

BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING)	03/01/2018	\$40.56	\$10.75	\$18.14	\$0.00	\$69.45
BRICKLAYERS LOCAL 3 (SPRINGFIELD/PITTSFIELD)	08/01/2018	\$41.91	\$10.75	\$18.27	\$0.00	\$70.93
	02/01/2019	\$42.46	\$10.75	\$18.27	\$0.00	\$71.48
	08/01/2019	\$43.81	\$10.75	\$18.41	\$0.00	\$72.97
	02/01/2020	\$44.36	\$10.75	\$18.41	\$0.00	\$73.52
	08/01/2020	\$45.71	\$10.75	\$18.56	\$0.00	\$75.02
	02/01/2021	\$46.26	\$10.75	\$18.56	\$0.00	\$75.57
	08/01/2021	\$47.66	\$10.75	\$18.72	\$0.00	\$77.13
	02/01/2022	\$48.19	\$10.75	\$18.72	\$0.00	\$77.66

Classification

Effective Date Base Wage Health Pension Supplemental
Unemployment Total Rate

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

Effective Date - 03/01/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.28	\$10.75	\$18.14	\$0.00	\$49.17
2	60	\$24.34	\$10.75	\$18.14	\$0.00	\$53.23
3	70	\$28.39	\$10.75	\$18.14	\$0.00	\$57.28
4	80	\$32.45	\$10.75	\$18.14	\$0.00	\$61.34
5	90	\$36.50	\$10.75	\$18.14	\$0.00	\$65.39

Effective Date - 08/01/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.96	\$10.75	\$18.27	\$0.00	\$49.98
2	60	\$25.15	\$10.75	\$18.27	\$0.00	\$54.17
3	70	\$29.34	\$10.75	\$18.27	\$0.00	\$58.36
4	80	\$33.53	\$10.75	\$18.27	\$0.00	\$62.55
5	90	\$37.72	\$10.75	\$18.27	\$0.00	\$66.74

Notes:

Apprentice to Journeyworker Ratio:1:5

BULLDOZER/POWER SHOVEL/TREE SHREDDER	12/01/2017	\$34.18	\$10.99	\$13.12	\$0.00	\$58.29
CLAM SHELL OPERATING	06/01/2018	\$34.79	\$10.99	\$13.39	\$0.00	\$59.17
ENGINEERS LOC. IL 98	12/01/2018	\$35.39	\$10.99	\$13.66	\$0.00	\$60.04
	06/01/2019	\$35.90	\$10.99	\$13.93	\$0.00	\$60.82
	12/01/2019	\$36.50	\$10.99	\$14.20	\$0.00	\$61.69

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

CAISSON & UNDERPINNING BOTTOM MAN	12/01/2017	\$38.60	\$7.70	\$14.95	\$0.00	\$61.25
LABORERS - FOUNDATION AND MARINE	06/01/2018	\$39.55	\$7.70	\$14.95	\$0.00	\$62.20
	12/01/2018	\$40.50	\$7.70	\$14.95	\$0.00	\$63.15
	06/01/2019	\$41.50	\$7.70	\$14.95	\$0.00	\$64.15
	12/01/2019	\$42.50	\$7.70	\$14.95	\$0.00	\$65.15
	06/01/2020	\$43.49	\$7.70	\$14.95	\$0.00	\$66.14
	12/01/2020	\$44.47	\$7.70	\$14.95	\$0.00	\$67.12
	06/01/2021	\$45.49	\$7.70	\$14.95	\$0.00	\$68.14
	12/01/2021	\$46.50	\$7.70	\$14.95	\$0.00	\$69.15

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
CAISSON & UNDERPINNING LABORER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2017	\$37.45	\$7.70	\$14.95	\$0.00	\$60.10
	06/01/2018	\$38.40	\$7.70	\$14.95	\$0.00	\$61.05
	12/01/2018	\$39.35	\$7.70	\$14.95	\$0.00	\$62.00
	06/01/2019	\$40.35	\$7.70	\$14.95	\$0.00	\$63.00
	12/01/2019	\$41.35	\$7.70	\$14.95	\$0.00	\$64.00
	06/01/2020	\$42.34	\$7.70	\$14.95	\$0.00	\$64.99
	12/01/2020	\$43.32	\$7.70	\$14.95	\$0.00	\$65.97
	06/01/2021	\$44.34	\$7.70	\$14.95	\$0.00	\$66.99
	12/01/2021	\$45.35	\$7.70	\$14.95	\$0.00	\$68.00
For apprentice rates see "Apprentice- LABORER"						
CAISSON & UNDERPINNING TOP MAN <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2017	\$37.45	\$7.70	\$14.95	\$0.00	\$60.10
	06/01/2018	\$38.40	\$7.70	\$14.95	\$0.00	\$61.05
	12/01/2018	\$39.35	\$7.70	\$14.95	\$0.00	\$62.00
	06/01/2019	\$40.35	\$7.70	\$14.95	\$0.00	\$63.00
	12/01/2019	\$41.35	\$7.70	\$14.95	\$0.00	\$64.00
	06/01/2020	\$42.34	\$7.70	\$14.95	\$0.00	\$64.99
	12/01/2020	\$43.32	\$7.70	\$14.95	\$0.00	\$65.97
	06/01/2021	\$44.34	\$7.70	\$14.95	\$0.00	\$66.99
	12/01/2021	\$45.35	\$7.70	\$14.95	\$0.00	\$68.00
For apprentice rates see "Apprentice- LABORER"						
CARBIDE CORE DRILL OPERATOR <i>LABORERS - ZONE 4 (BUILDING & SITE)</i>	12/01/2017	\$26.25	\$7.70	\$12.00	\$0.00	\$45.95
	06/01/2018	\$27.00	\$7.70	\$12.00	\$0.00	\$46.70
	12/01/2018	\$27.75	\$7.70	\$12.00	\$0.00	\$47.45
	06/01/2019	\$28.50	\$7.70	\$12.00	\$0.00	\$48.20
	12/01/2019	\$29.25	\$7.70	\$12.00	\$0.00	\$48.95
	06/01/2020	\$29.90	\$7.70	\$12.00	\$0.00	\$49.60
	12/01/2020	\$30.55	\$7.70	\$12.00	\$0.00	\$50.25
For apprentice rates see "Apprentice- LABORER"						
CARPENTER <i>CARPENTERS LOCAL 108 - BERKSHIRE COUNTY</i>	03/05/2018	\$36.56	\$8.26	\$15.00	\$0.00	\$59.82
	09/05/2018	\$37.60	\$8.26	\$15.00	\$0.00	\$60.86
	03/04/2019	\$38.64	\$8.26	\$15.00	\$0.00	\$61.90

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - CARPENTER - Local 108 Berkshire

Effective Date - 03/05/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.28	\$8.26	\$1.22	\$0.00	\$27.76
2	60	\$21.94	\$8.26	\$1.22	\$0.00	\$31.42
3	70	\$25.59	\$8.26	\$11.34	\$0.00	\$45.19
4	75	\$27.42	\$8.26	\$11.34	\$0.00	\$47.02
5	80	\$29.25	\$8.26	\$12.56	\$0.00	\$50.07
6	80	\$29.25	\$8.26	\$12.56	\$0.00	\$50.07
7	90	\$32.90	\$8.26	\$13.78	\$0.00	\$54.94
8	90	\$32.90	\$8.26	\$13.78	\$0.00	\$54.94

Effective Date - 09/05/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.80	\$8.26	\$1.22	\$0.00	\$28.28
2	60	\$22.56	\$8.26	\$1.22	\$0.00	\$32.04
3	70	\$26.32	\$8.26	\$11.34	\$0.00	\$45.92
4	75	\$28.20	\$8.26	\$11.34	\$0.00	\$47.80
5	80	\$30.08	\$8.26	\$12.56	\$0.00	\$50.90
6	80	\$30.08	\$8.26	\$12.56	\$0.00	\$50.90
7	90	\$33.84	\$8.26	\$13.78	\$0.00	\$55.88
8	90	\$33.84	\$8.26	\$13.78	\$0.00	\$55.88

Notes:

% Indentured After 10/1/17; 45/45/55/55/70/70/80/80
Step 1&2 \$25.93/ 3&4 \$30.77/ 5&6 \$46.41/ 7&8 \$51.29

Apprentice to Journeyworker Ratio:1:5

CARPENTER WOOD FRAME	10/01/2017	\$21.95	\$7.07	\$7.86	\$0.00	\$36.88
CARPENTERS LOCAL 108 - BERKSHIRE COUNTY	04/01/2018	\$22.33	\$7.07	\$7.86	\$0.00	\$37.26
	10/01/2018	\$22.71	\$7.07	\$7.86	\$0.00	\$37.64
	04/01/2019	\$23.10	\$7.07	\$7.86	\$0.00	\$38.03
	10/01/2019	\$23.49	\$7.07	\$7.86	\$0.00	\$38.42

As of 9/1/09 Carpentry work on wood-frame WEATHERIZATION projects shall be paid the WOOD FRAME CARPENTER rate.

Classification

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

Apprentice - CARPENTER (Wood Frame) - Local 108 Berkshire
Effective Date - 10/01/2017

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$13.17	\$7.07	\$0.00	\$0.00	\$20.24
2	60	\$13.17	\$7.07	\$0.00	\$0.00	\$20.24
3	65	\$14.27	\$7.07	\$7.86	\$0.00	\$29.20
4	70	\$15.37	\$7.07	\$7.86	\$0.00	\$30.30
5	75	\$16.46	\$7.07	\$7.86	\$0.00	\$31.39
6	80	\$17.56	\$7.07	\$7.86	\$0.00	\$32.49
7	85	\$18.66	\$7.07	\$7.86	\$0.00	\$33.59
8	90	\$19.76	\$7.07	\$7.86	\$0.00	\$34.69

Effective Date - 04/01/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$13.40	\$7.07	\$0.00	\$0.00	\$20.47
2	60	\$13.40	\$7.07	\$0.00	\$0.00	\$20.47
3	65	\$14.51	\$7.07	\$7.86	\$0.00	\$29.44
4	70	\$15.63	\$7.07	\$7.86	\$0.00	\$30.56
5	75	\$16.75	\$7.07	\$7.86	\$0.00	\$31.68
6	80	\$17.86	\$7.07	\$7.86	\$0.00	\$32.79
7	85	\$18.98	\$7.07	\$7.86	\$0.00	\$33.91
8	90	\$20.10	\$7.07	\$7.86	\$0.00	\$35.03

Notes:

% Indentured After 10/1/17; 45/45/55/55/70/70/80/80
Step 1&2 \$16.95/ 3&4 \$23.89/ 5&6 \$30.30/ 7&8 \$32.49

Apprentice to Journeyworker Ratio:1:5

CEMENT MASONRY/PLASTERING	01/01/2018	\$39.11	\$12.30	\$17.64	\$0.30	\$69.35
BRICKLAYERS LOCAL 3 (SPRINGFIELD/PITTSFIELD)	07/01/2018	\$40.57	\$12.30	\$17.64	\$0.30	\$70.81
	01/01/2019	\$41.15	\$12.30	\$17.64	\$0.30	\$71.39
	07/01/2019	\$42.62	\$12.30	\$17.64	\$0.30	\$72.86
	01/01/2020	\$43.19	\$12.30	\$17.64	\$0.30	\$73.43

Classification

Effective Date Base Wage Health Pension Supplemental
Unemployment Total Rate

Apprentice - CEMENT MASONRY/PLASTERING - Springfield/Pittsfield

Effective Date - 01/01/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.56	\$12.30	\$15.41	\$0.00	\$47.27
2	60	\$23.47	\$12.30	\$17.64	\$0.30	\$53.71
3	65	\$25.42	\$12.30	\$17.64	\$0.30	\$55.66
4	70	\$27.38	\$12.30	\$17.64	\$0.30	\$57.62
5	75	\$29.33	\$12.30	\$17.64	\$0.30	\$59.57
6	80	\$31.29	\$12.30	\$17.64	\$0.30	\$61.53
7	90	\$35.20	\$12.30	\$17.64	\$0.30	\$65.44

Effective Date - 07/01/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.29	\$12.30	\$15.41	\$0.00	\$48.00
2	60	\$24.34	\$12.30	\$17.64	\$0.30	\$54.58
3	65	\$26.37	\$12.30	\$17.64	\$0.30	\$56.61
4	70	\$28.40	\$12.30	\$17.64	\$0.30	\$58.64
5	75	\$30.43	\$12.30	\$17.64	\$0.30	\$60.67
6	80	\$32.46	\$12.30	\$17.64	\$0.30	\$62.70
7	90	\$36.51	\$12.30	\$17.64	\$0.30	\$66.75

Notes:

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

Apprentice to Journeyworker Ratio:1:3

CHAIN SAW OPERATOR LABORERS - ZONE 4 (BUILDING & SITE)	12/01/2017	\$26.25	\$7.70	\$12.00	\$0.00	\$45.95
	06/01/2018	\$27.00	\$7.70	\$12.00	\$0.00	\$46.70
	12/01/2018	\$27.75	\$7.70	\$12.00	\$0.00	\$47.45
	06/01/2019	\$28.50	\$7.70	\$12.00	\$0.00	\$48.20
	12/01/2019	\$29.25	\$7.70	\$12.00	\$0.00	\$48.95
	06/01/2020	\$29.90	\$7.70	\$12.00	\$0.00	\$49.60
	12/01/2020	\$30.55	\$7.70	\$12.00	\$0.00	\$50.25
For apprentice rates see "Apprentice- LABORER"						
COMPRESSOR OPERATOR OPERATING ENGINEERS LOCAL 98	12/01/2017	\$33.65	\$10.99	\$13.12	\$0.00	\$57.76
	06/01/2018	\$34.26	\$10.99	\$13.39	\$0.00	\$58.64
	12/01/2018	\$34.86	\$10.99	\$13.66	\$0.00	\$59.51
	06/01/2019	\$35.37	\$10.99	\$13.93	\$0.00	\$60.29
	12/01/2019	\$35.97	\$10.99	\$14.20	\$0.00	\$61.16
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
CRANE OPERATOR OPERATING ENGINEERS LOCAL 98	12/01/2017	\$37.68	\$10.99	\$13.12	\$0.00	\$61.79
	06/01/2018	\$38.29	\$10.99	\$13.39	\$0.00	\$62.67
	12/01/2018	\$38.89	\$10.99	\$13.66	\$0.00	\$63.54
	06/01/2019	\$39.40	\$10.99	\$13.93	\$0.00	\$64.32
	12/01/2019	\$40.00	\$10.99	\$14.20	\$0.00	\$65.19
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
DELEADER (BRIDGE) PAINTERS LOCAL 35 - ZONE 3	01/01/2017	\$51.41	\$7.85	\$16.10	\$0.00	\$75.36

Apprentice - PAINTER Local 35 - BRIDGES/TANKS

Effective Date - 01/01/2017

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

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

DEMO: ADZEMAN LABORERS - ZONE 4 (BUILDING & SITE)	12/01/2017	\$37.65	\$7.70	\$14.75	\$0.00	\$60.10
	06/01/2018	\$38.60	\$7.70	\$14.75	\$0.00	\$61.05
	12/01/2018	\$39.55	\$7.70	\$14.75	\$0.00	\$62.00
	06/01/2019	\$40.55	\$7.70	\$14.75	\$0.00	\$63.00
	12/01/2019	\$41.55	\$7.70	\$14.75	\$0.00	\$64.00

For apprentice rates see "Apprentice- LABORER"

DEMO: BACKHOE/LOADER/HAMMER OPERATOR LABORERS - ZONE 4 (BUILDING & SITE)	12/01/2017	\$38.65	\$7.70	\$14.75	\$0.00	\$61.10
	06/01/2018	\$39.60	\$7.70	\$14.75	\$0.00	\$62.05
	12/01/2018	\$40.55	\$7.70	\$14.75	\$0.00	\$63.00
	06/01/2019	\$41.55	\$7.70	\$14.75	\$0.00	\$64.00
	12/01/2019	\$42.55	\$7.70	\$14.75	\$0.00	\$65.00

For apprentice rates see "Apprentice- LABORER"

DEMO: BURNERS LABORERS - ZONE 4 (BUILDING & SITE)	12/01/2017	\$38.40	\$7.70	\$14.75	\$0.00	\$60.85
	06/01/2018	\$39.35	\$7.70	\$14.75	\$0.00	\$61.80
	12/01/2018	\$40.30	\$7.70	\$14.75	\$0.00	\$62.75
	06/01/2019	\$41.30	\$7.70	\$14.75	\$0.00	\$63.75
	12/01/2019	\$42.30	\$7.70	\$14.75	\$0.00	\$64.75

For apprentice rates see "Apprentice- LABORER"

DEMO: CONCRETE CUTTER/SAWYER LABORERS - ZONE 4 (BUILDING & SITE)	12/01/2017	\$38.65	\$7.70	\$14.75	\$0.00	\$61.10
	06/01/2018	\$39.60	\$7.70	\$14.75	\$0.00	\$62.05
	12/01/2018	\$40.55	\$7.70	\$14.75	\$0.00	\$63.00
	06/01/2019	\$41.55	\$7.70	\$14.75	\$0.00	\$64.00
	12/01/2019	\$42.55	\$7.70	\$14.75	\$0.00	\$65.00

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
DEMO: JACKHAMMER OPERATOR LABORERS - ZONE 4 (BUILDING & SITE)	12/01/2017	\$38.40	\$7.70	\$14.75	\$0.00	\$60.85
	06/01/2018	\$39.35	\$7.70	\$14.75	\$0.00	\$61.80
	12/01/2018	\$40.30	\$7.70	\$14.75	\$0.00	\$62.75
	06/01/2019	\$41.30	\$7.70	\$14.75	\$0.00	\$63.75
	12/01/2019	\$42.30	\$7.70	\$14.75	\$0.00	\$64.75
For apprentice rates see "Apprentice- LABORER"						
DEMO: WRECKING LABORER LABORERS - ZONE 4 (BUILDING & SITE)	12/01/2017	\$37.65	\$7.70	\$14.75	\$0.00	\$60.10
	06/01/2018	\$38.60	\$7.70	\$14.75	\$0.00	\$61.05
	12/01/2018	\$39.55	\$7.70	\$14.75	\$0.00	\$62.00
	06/01/2019	\$40.55	\$7.70	\$14.75	\$0.00	\$63.00
	12/01/2019	\$41.55	\$7.70	\$14.75	\$0.00	\$64.00
For apprentice rates see "Apprentice- LABORER"						
DIVER PILE DRIVER LOCAL 56 (ZONE 3)	08/01/2017	\$61.98	\$9.90	\$21.15	\$0.00	\$93.03
	08/01/2018	\$65.20	\$9.90	\$21.15	\$0.00	\$96.25
	08/01/2019	\$68.52	\$9.90	\$21.15	\$0.00	\$99.57
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER TENDER PILE DRIVER LOCAL 56 (ZONE 3)	08/01/2017	\$44.27	\$9.90	\$21.15	\$0.00	\$75.32
	08/01/2018	\$46.57	\$9.90	\$21.15	\$0.00	\$77.62
	08/01/2019	\$48.94	\$9.90	\$21.15	\$0.00	\$79.99
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER TENDER (EFFLUENT) PILE DRIVER LOCAL 56 (ZONE 3)	08/01/2017	\$66.41	\$9.90	\$21.15	\$0.00	\$97.46
	08/01/2018	\$69.86	\$9.90	\$21.15	\$0.00	\$100.91
	08/01/2019	\$73.41	\$9.90	\$21.15	\$0.00	\$104.46
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER/SLURRY (EFFLUENT) PILE DRIVER LOCAL 56 (ZONE 3)	08/01/2017	\$92.97	\$9.90	\$21.15	\$0.00	\$124.02
	08/01/2018	\$97.80	\$9.90	\$21.15	\$0.00	\$128.85
	08/01/2019	\$102.78	\$9.90	\$21.15	\$0.00	\$133.83
For apprentice rates see "Apprentice- PILE DRIVER"						
ELECTRICIAN (Including Core Drilling) ELECTRICIANS LOCAL 7	12/31/2017	\$40.51	\$10.00	\$11.42	\$0.00	\$61.93
	07/01/2018	\$41.21	\$10.25	\$11.74	\$0.00	\$63.20
	12/30/2018	\$41.91	\$10.50	\$12.06	\$0.00	\$64.47
	06/30/2019	\$42.66	\$10.75	\$12.33	\$0.00	\$65.74
	12/29/2019	\$43.41	\$11.00	\$12.60	\$0.00	\$67.01

Classification

Effective Date Base Wage Health Pension Supplemental
Unemployment Total Rate

Apprentice - ELECTRICIAN - Local 7

Effective Date - 12/31/2017

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

Effective Date - 07/01/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$16.48	\$5.55	\$0.49	\$0.00	\$22.52
2	45	\$18.54	\$5.55	\$0.56	\$0.00	\$24.65
3	50	\$20.61	\$10.25	\$6.92	\$0.00	\$37.78
4	55	\$22.67	\$10.25	\$6.98	\$0.00	\$39.90
5	65	\$26.79	\$10.25	\$8.10	\$0.00	\$45.14
6	70	\$28.85	\$10.25	\$9.17	\$0.00	\$48.27

Notes:

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

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

ELEVATOR CONSTRUCTOR	01/01/2017	\$49.90	\$15.28	\$15.71	\$0.00	\$80.89
ELEVATOR CONSTRUCTORS LOCAL 41						

Apprentice - ELEVATOR CONSTRUCTOR - Local 41

Effective Date - 01/01/2017

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

Notes:

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

Apprentice to Journeyworker Ratio:1:1

ELEVATOR CONSTRUCTOR HELPER	01/01/2017	\$34.93	\$15.28	\$15.71	\$0.00	\$65.92
ELEVATOR CONSTRUCTORS LOCAL 41						

For apprentice rates see "Apprentice - ELEVATOR CONSTRUCTOR"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
FENCE & BEAM RAIL ERECTOR <i>LABORERS - ZONE 4 (BUILDING & SITE)</i>	12/01/2017	\$26.25	\$7.70	\$12.00	\$0.00	\$45.95
	06/01/2018	\$27.00	\$7.70	\$12.00	\$0.00	\$46.70
	12/01/2018	\$27.75	\$7.70	\$12.00	\$0.00	\$47.45
	06/01/2019	\$28.50	\$7.70	\$12.00	\$0.00	\$48.20
	12/01/2019	\$29.25	\$7.70	\$12.00	\$0.00	\$48.95
	06/01/2020	\$29.90	\$7.70	\$12.00	\$0.00	\$49.60
	12/01/2020	\$30.55	\$7.70	\$12.00	\$0.00	\$50.25
For apprentice rates see "Apprentice- LABORER"						
FENCE & GUARD RAIL ERECTOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 4 (HEAVY & HIGHWAY)</i>	12/01/2017	\$27.43	\$7.70	\$13.04	\$0.00	\$48.17
	06/01/2018	\$28.18	\$7.70	\$13.04	\$0.00	\$48.92
	12/01/2018	\$28.92	\$7.70	\$13.04	\$0.00	\$49.66
	06/01/2019	\$29.69	\$7.70	\$13.04	\$0.00	\$50.43
	12/01/2019	\$30.46	\$7.70	\$13.04	\$0.00	\$51.20
	06/01/2020	\$31.25	\$7.70	\$13.04	\$0.00	\$51.99
	12/01/2020	\$32.04	\$7.70	\$13.04	\$0.00	\$52.78
	06/01/2021	\$32.86	\$7.70	\$13.04	\$0.00	\$53.60
	12/01/2021	\$33.67	\$7.70	\$13.04	\$0.00	\$54.41
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
FIELD ENG.INST/ROD-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 98</i>	06/01/1999	\$18.84	\$4.80	\$4.10	\$0.00	\$27.74
FIELD ENG.PARTY CHIEF:BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 98</i>	06/01/1999	\$21.33	\$4.80	\$4.10	\$0.00	\$30.23
FIELD ENG.SURVEY CHIEF-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 98</i>	06/01/1999	\$22.33	\$4.80	\$4.10	\$0.00	\$31.23
FIRE ALARM INSTALLER <i>ELECTRICIANS LOCAL 7</i>	12/31/2017	\$40.51	\$10.00	\$11.42	\$0.00	\$61.93
	07/01/2018	\$41.21	\$10.25	\$11.74	\$0.00	\$63.20
	12/30/2018	\$41.91	\$10.50	\$12.06	\$0.00	\$64.47
	06/30/2019	\$42.66	\$10.75	\$12.33	\$0.00	\$65.74
	12/29/2019	\$43.41	\$11.00	\$12.60	\$0.00	\$67.01
For apprentice rates see "Apprentice- ELECTRICIAN"						
FIRE ALARM REPAIR / MAINTENANCE / COMMISSIONING <i>ELECTRICIANS LOCAL 7</i>	12/31/2017	\$40.51	\$10.00	\$11.42	\$0.00	\$61.93
	07/01/2018	\$41.21	\$10.25	\$11.74	\$0.00	\$63.20
	12/30/2018	\$41.91	\$10.50	\$12.06	\$0.00	\$64.47
	06/30/2019	\$42.66	\$10.75	\$12.33	\$0.00	\$65.74
	12/29/2019	\$43.41	\$11.00	\$12.60	\$0.00	\$67.01
For apprentice rates see "Apprentice- TELECOMMUNICATIONS TECHNICIAN"						
FIREMAN <i>OPERATING ENGINEERS LOCAL 98</i>	12/01/2017	\$33.65	\$10.99	\$13.12	\$0.00	\$57.76
	06/01/2018	\$34.26	\$10.99	\$13.39	\$0.00	\$58.64
	12/01/2018	\$34.86	\$10.99	\$13.66	\$0.00	\$59.51
	06/01/2019	\$35.37	\$10.99	\$13.93	\$0.00	\$60.29
	12/01/2019	\$35.97	\$10.99	\$14.20	\$0.00	\$61.16

Classification

Effective Date Base Wage Health Pension Supplemental
Unemployment Total Rate

Apprentice - OPERATING ENGINEERS - Local 98 Class 3

Effective Date - 12/01/2017

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$20.19	\$10.99	\$13.12	\$0.00	\$44.30
2	70	\$23.56	\$10.99	\$13.12	\$0.00	\$47.67
3	80	\$26.92	\$10.99	\$13.12	\$0.00	\$51.03
4	90	\$30.29	\$10.99	\$13.12	\$0.00	\$54.40

Effective Date - 06/01/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$20.56	\$10.99	\$13.39	\$0.00	\$44.94
2	70	\$23.98	\$10.99	\$13.39	\$0.00	\$48.36
3	80	\$27.41	\$10.99	\$13.39	\$0.00	\$51.79
4	90	\$30.83	\$10.99	\$13.39	\$0.00	\$55.21

Notes:

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

Apprentice to Journeyworker Ratio:1:6

FLAGGER & SIGNALER (HEAVY & HIGHWAY)	12/01/2017	\$21.50	\$7.70	\$13.04	\$0.00	\$42.24
LABORERS - ZONE 4 (HEAVY & HIGHWAY)	06/01/2018	\$21.50	\$7.70	\$13.04	\$0.00	\$42.24
	12/01/2018	\$22.50	\$7.70	\$13.04	\$0.00	\$43.24
	06/01/2019	\$22.50	\$7.70	\$13.04	\$0.00	\$43.24
	12/01/2019	\$23.50	\$7.70	\$13.04	\$0.00	\$44.24
	06/01/2020	\$23.50	\$7.70	\$13.04	\$0.00	\$44.24
	12/01/2020	\$24.50	\$7.70	\$13.04	\$0.00	\$45.24
	06/01/2021	\$24.50	\$7.70	\$13.04	\$0.00	\$45.24
	12/01/2021	\$24.50	\$7.70	\$13.04	\$0.00	\$45.24

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

FLOORCOVERER	03/01/2016	\$32.60	\$8.55	\$14.42	\$0.00	\$55.57
FLOORCOVERERS LOCAL 2168 ZONE III						

Classification

Effective Date Base Wage Health Pension Supplemental
Unemployment Total Rate

Apprentice - FLOORCOVERER - Local 2168 Zone III

Effective Date - 03/01/2016

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

Notes: Steps are 750 hrs.

% After 09/1/17: 45/45/55/55/70/70/80/80 (1500hr Steps)

Step 1&2 \$24.42/ 3&4 \$28.84/ 5&6 \$43.39/ 7&8 \$47.85

Apprentice to Journeyworker Ratio:1:1

FORK LIFT	12/01/2017	\$33.87	\$10.99	\$13.12	\$0.00	\$57.98
OPERATING ENGINEERS LOCAL 98	06/01/2018	\$34.48	\$10.99	\$13.39	\$0.00	\$58.86
	12/01/2018	\$35.08	\$10.99	\$13.66	\$0.00	\$59.73
	06/01/2019	\$35.59	\$10.99	\$13.93	\$0.00	\$60.51
	12/01/2019	\$36.19	\$10.99	\$14.20	\$0.00	\$61.38

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

GENERATORS/LIGHTING PLANTS	12/01/2017	\$30.42	\$10.99	\$13.12	\$0.00	\$54.53
OPERATING ENGINEERS LOCAL 98	06/01/2018	\$31.03	\$10.99	\$13.39	\$0.00	\$55.41
	12/01/2018	\$31.63	\$10.99	\$13.66	\$0.00	\$56.28
	06/01/2019	\$32.14	\$10.99	\$13.93	\$0.00	\$57.06
	12/01/2019	\$32.74	\$10.99	\$14.20	\$0.00	\$57.93

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS)	06/01/2017	\$36.28	\$10.25	\$8.95	\$0.00	\$55.48
GLAZIERS LOCAL 1533	06/01/2018	\$37.18	\$10.40	\$9.35	\$0.00	\$56.93
	06/01/2019	\$38.18	\$10.60	\$9.90	\$0.00	\$58.68
	06/01/2020	\$39.18	\$10.80	\$10.45	\$0.00	\$60.43

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - GLAZIER - Local 1333
Effective Date - 06/01/2017

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

Effective Date - 06/01/2018

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

Notes:
Apprentice to Journeyworker Ratio:1:3

GRADER/TRENCHING MACHINE/DERRICK OPERATING ENGINEERS LOCAL 98	12/01/2017	\$34.18	\$10.99	\$13.12	\$0.00	\$58.29
	06/01/2018	\$34.79	\$10.99	\$13.39	\$0.00	\$59.17
	12/01/2018	\$35.39	\$10.99	\$13.66	\$0.00	\$60.04
	06/01/2019	\$35.90	\$10.99	\$13.93	\$0.00	\$60.82
	12/01/2019	\$36.50	\$10.99	\$14.20	\$0.00	\$61.69
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
HVAC (DUCTWORK) SHEETMETAL WORKERS LOCAL 63	01/01/2018	\$32.99	\$10.64	\$16.22	\$1.77	\$61.62
	07/01/2018	\$33.74	\$10.64	\$16.22	\$1.77	\$62.37
	01/01/2019	\$34.74	\$10.64	\$16.22	\$1.77	\$63.37
	07/01/2019	\$35.74	\$10.64	\$16.22	\$1.77	\$64.37
	01/01/2020	\$36.99	\$10.64	\$16.22	\$1.77	\$65.62
For apprentice rates see "Apprentice- SHEET METAL WORKER"						
HVAC (ELECTRICAL CONTROLS) ELECTRICIANS LOCAL 7	12/31/2017	\$40.51	\$10.00	\$11.42	\$0.00	\$61.93
	07/01/2018	\$41.21	\$10.25	\$11.74	\$0.00	\$63.20
	12/30/2018	\$41.91	\$10.50	\$12.06	\$0.00	\$64.47
	06/30/2019	\$42.66	\$10.75	\$12.33	\$0.00	\$65.74
	12/29/2019	\$43.41	\$11.00	\$12.60	\$0.00	\$67.01
For apprentice rates see "Apprentice- ELECTRICIAN"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
HVAC (TESTING AND BALANCING - AIR) <i>SHEETMETAL WORKERS LOCAL 63</i>	01/01/2018	\$32.99	\$10.64	\$16.22	\$1.77	\$61.62
	07/01/2018	\$33.74	\$10.64	\$16.22	\$1.77	\$62.37
	01/01/2019	\$34.74	\$10.64	\$16.22	\$1.77	\$63.37
	07/01/2019	\$35.74	\$10.64	\$16.22	\$1.77	\$64.37
	01/01/2020	\$36.99	\$10.64	\$16.22	\$1.77	\$65.62
For apprentice rates see "Apprentice- SHEET METAL WORKER"						
HVAC (TESTING AND BALANCING -WATER) <i>PLUMBERS & PIPEFITTERS LOCAL 104 WESTERN DIVISION</i>	09/17/2017	\$38.03	\$8.50	\$15.30	\$0.00	\$61.83
	03/17/2018	\$39.08	\$8.50	\$15.30	\$0.00	\$62.88
	09/17/2018	\$40.33	\$8.50	\$15.30	\$0.00	\$64.13
	03/17/2019	\$41.58	\$8.50	\$15.30	\$0.00	\$65.38
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HVAC MECHANIC <i>PLUMBERS & PIPEFITTERS LOCAL 104 WESTERN DIVISION</i>	09/17/2017	\$38.03	\$8.50	\$15.30	\$0.00	\$61.83
	03/17/2018	\$39.08	\$8.50	\$15.30	\$0.00	\$62.88
	09/17/2018	\$40.33	\$8.50	\$15.30	\$0.00	\$64.13
	03/17/2019	\$41.58	\$8.50	\$15.30	\$0.00	\$65.38
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HYDRAULIC DRILLS (HEAVY & HIGHWAY) <i>LABORERS - ZONE 4 (HEAVY & HIGHWAY)</i>	12/01/2017	\$27.93	\$7.70	\$13.04	\$0.00	\$48.67
	06/01/2018	\$28.68	\$7.70	\$13.04	\$0.00	\$49.42
	12/01/2018	\$29.42	\$7.70	\$13.04	\$0.00	\$50.16
	06/01/2019	\$30.19	\$7.70	\$13.04	\$0.00	\$50.93
	12/01/2019	\$30.96	\$7.70	\$13.04	\$0.00	\$51.70
	06/01/2020	\$31.75	\$7.70	\$13.04	\$0.00	\$52.49
	12/01/2020	\$32.54	\$7.70	\$13.04	\$0.00	\$53.28
	06/01/2021	\$33.36	\$7.70	\$13.04	\$0.00	\$54.10
	12/01/2021	\$34.17	\$7.70	\$13.04	\$0.00	\$54.91
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
INSULATOR (PIPES & TANKS) <i>HEAT & FROST INSULATORS LOCAL 6 (SPRINGFIELD)</i>	09/01/2017	\$37.67	\$11.75	\$14.20	\$0.00	\$63.62
	09/01/2018	\$39.47	\$11.75	\$14.20	\$0.00	\$65.42
	09/01/2019	\$41.47	\$11.75	\$14.20	\$0.00	\$67.42

Classification

Effective Date Base Wage Health Pension Supplemental
Unemployment Total Rate

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

Effective Date - 09/01/2017

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

Effective Date - 09/01/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.74	\$11.75	\$10.45	\$0.00	\$41.94
2	60	\$23.68	\$11.75	\$11.20	\$0.00	\$46.63
3	70	\$27.63	\$11.75	\$11.95	\$0.00	\$51.33
4	80	\$31.58	\$11.75	\$12.70	\$0.00	\$56.03

Notes:

Steps are 1 year

Apprentice to Journeyworker Ratio:1:4

IRONWORKER/WELDER IRONWORKERS LOCAL 7 (SPRINGFIELD AREA)	03/16/2017	\$32.39	\$7.80	\$19.60	\$0.00	\$59.79
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Apprentice - IRONWORKER - Local 7 Springfield

Effective Date - 03/16/2017

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

Notes:

Structural 1:6; Ornamental 1:4

Apprentice to Journeyworker Ratio:

JACKHAMMER & PAVING BREAKER OPERATOR LABORERS - ZONE 4 (BUILDING & SITE)	12/01/2017	\$26.25	\$7.70	\$12.00	\$0.00	\$45.95
	06/01/2018	\$27.00	\$7.70	\$12.00	\$0.00	\$46.70
	12/01/2018	\$27.75	\$7.70	\$12.00	\$0.00	\$47.45
	06/01/2019	\$28.50	\$7.70	\$12.00	\$0.00	\$48.20
	12/01/2019	\$29.25	\$7.70	\$12.00	\$0.00	\$48.95
	06/01/2020	\$29.90	\$7.70	\$12.00	\$0.00	\$49.60
	12/01/2020	\$30.55	\$7.70	\$12.00	\$0.00	\$50.25

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
LABORER LABORERS - ZONE 4 (BUILDING & SITE)	12/01/2017	\$26.00	\$7.70	\$12.00	\$0.00	\$45.70
	06/01/2018	\$26.75	\$7.70	\$12.00	\$0.00	\$46.45
	12/01/2018	\$27.50	\$7.70	\$12.00	\$0.00	\$47.20
	06/01/2019	\$28.25	\$7.70	\$12.00	\$0.00	\$47.95
	12/01/2019	\$29.00	\$7.70	\$12.00	\$0.00	\$48.70
	06/01/2020	\$29.65	\$7.70	\$12.00	\$0.00	\$49.35
	12/01/2020	\$30.30	\$7.70	\$12.00	\$0.00	\$50.00

Apprentice - LABORER - Zone 4 Building and Site

Effective Date - 12/01/2017

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$15.60	\$7.70	\$12.00	\$0.00	\$35.30
2	70	\$18.20	\$7.70	\$12.00	\$0.00	\$37.90
3	80	\$20.80	\$7.70	\$12.00	\$0.00	\$40.50
4	90	\$23.40	\$7.70	\$12.00	\$0.00	\$43.10

Effective Date - 06/01/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$16.05	\$7.70	\$12.00	\$0.00	\$35.75
2	70	\$18.73	\$7.70	\$12.00	\$0.00	\$38.43
3	80	\$21.40	\$7.70	\$12.00	\$0.00	\$41.10
4	90	\$24.08	\$7.70	\$12.00	\$0.00	\$43.78

Notes:

Apprentice to Journeyworker Ratio:1:5

LABORER (HEAVY & HIGHWAY) LABORERS - ZONE 4 (HEAVY & HIGHWAY)	12/01/2017	\$27.18	\$7.70	\$13.04	\$0.00	\$47.92
	06/01/2018	\$27.93	\$7.70	\$13.04	\$0.00	\$48.67
	12/01/2018	\$28.67	\$7.70	\$13.04	\$0.00	\$49.41
	06/01/2019	\$29.44	\$7.70	\$13.04	\$0.00	\$50.18
	12/01/2019	\$30.21	\$7.70	\$13.04	\$0.00	\$50.95
	06/01/2020	\$31.00	\$7.70	\$13.04	\$0.00	\$51.74
	12/01/2020	\$31.79	\$7.70	\$13.04	\$0.00	\$52.53
	06/01/2021	\$32.61	\$7.70	\$13.04	\$0.00	\$53.35
	12/01/2021	\$33.42	\$7.70	\$13.04	\$0.00	\$54.16

Classification

Effective Date Base Wage Health Pension Supplemental
Unemployment Total Rate

Apprentice - LABORER (Heavy and Highway) - Zone 4

Effective Date - 12/01/2017

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$16.31	\$7.70	\$13.04	\$0.00	\$37.05
2	70	\$19.03	\$7.70	\$13.04	\$0.00	\$39.77
3	80	\$21.74	\$7.70	\$13.04	\$0.00	\$42.48
4	90	\$24.46	\$7.70	\$13.04	\$0.00	\$45.20

Effective Date - 06/01/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$16.76	\$7.70	\$13.04	\$0.00	\$37.50
2	70	\$19.55	\$7.70	\$13.04	\$0.00	\$40.29
3	80	\$22.34	\$7.70	\$13.04	\$0.00	\$43.08
4	90	\$25.14	\$7.70	\$13.04	\$0.00	\$45.88

Notes:
Apprentice to Journeyworker Ratio:1:5

LABORER: CARPENTER TENDER LABORERS - ZONE 4 (BUILDING & SITE)	12/01/2017	\$26.00	\$7.70	\$12.00	\$0.00	\$45.70
	06/01/2018	\$26.75	\$7.70	\$12.00	\$0.00	\$46.45
	12/01/2018	\$27.50	\$7.70	\$12.00	\$0.00	\$47.20
	06/01/2019	\$28.25	\$7.70	\$12.00	\$0.00	\$47.95
	12/01/2019	\$29.00	\$7.70	\$12.00	\$0.00	\$48.70
	06/01/2020	\$29.65	\$7.70	\$12.00	\$0.00	\$49.35
	12/01/2020	\$30.30	\$7.70	\$12.00	\$0.00	\$50.00

For apprentice rates see "Apprentice- LABORER"

LABORER: CEMENT FINISHER TENDER LABORERS - ZONE 4 (BUILDING & SITE)	12/01/2017	\$26.00	\$7.70	\$12.00	\$0.00	\$45.70
	06/01/2018	\$26.75	\$7.70	\$12.00	\$0.00	\$46.45
	12/01/2018	\$27.50	\$7.70	\$12.00	\$0.00	\$47.20
	06/01/2019	\$28.25	\$7.70	\$12.00	\$0.00	\$47.95
	12/01/2019	\$29.00	\$7.70	\$12.00	\$0.00	\$48.70
	06/01/2020	\$29.65	\$7.70	\$12.00	\$0.00	\$49.35
	12/01/2020	\$30.30	\$7.70	\$12.00	\$0.00	\$50.00

For apprentice rates see "Apprentice- LABORER"

LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER LABORERS - ZONE 4 (BUILDING & SITE)	12/01/2017	\$26.10	\$7.70	\$12.00	\$0.00	\$45.80
	06/01/2018	\$26.85	\$7.70	\$12.00	\$0.00	\$46.55
	12/01/2018	\$27.60	\$7.70	\$12.00	\$0.00	\$47.30
	06/01/2019	\$28.35	\$7.70	\$12.00	\$0.00	\$48.05
	12/01/2019	\$29.10	\$7.70	\$12.00	\$0.00	\$48.80

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
LABORER: MASON TENDER <i>LABORERS - ZONE 4 (BUILDING & SITE)</i>	12/01/2017	\$28.00	\$7.70	\$12.00	\$0.00	\$47.70
	06/01/2018	\$28.75	\$7.70	\$12.00	\$0.00	\$48.45
	12/01/2018	\$29.50	\$7.70	\$12.00	\$0.00	\$49.20
	06/01/2019	\$30.25	\$7.70	\$12.00	\$0.00	\$49.95
	12/01/2019	\$31.00	\$7.70	\$12.00	\$0.00	\$50.70
	06/01/2020	\$31.65	\$7.70	\$12.00	\$0.00	\$51.35
	12/01/2020	\$32.30	\$7.70	\$12.00	\$0.00	\$52.00
For apprentice rates see "Apprentice- LABORER"						
LABORER: MASON TENDER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 4 (HEAVY & HIGHWAY)</i>	12/01/2017	\$27.43	\$7.70	\$13.04	\$0.00	\$48.17
	06/01/2018	\$28.18	\$7.70	\$13.04	\$0.00	\$48.92
	12/01/2018	\$28.92	\$7.70	\$13.04	\$0.00	\$49.66
	06/01/2019	\$29.69	\$7.70	\$13.04	\$0.00	\$50.43
	12/01/2019	\$30.46	\$7.70	\$13.04	\$0.00	\$51.20
	06/01/2020	\$31.25	\$7.70	\$13.04	\$0.00	\$51.99
	12/01/2020	\$32.04	\$7.70	\$13.04	\$0.00	\$52.78
	06/01/2021	\$32.86	\$7.70	\$13.04	\$0.00	\$53.60
	12/01/2021	\$33.67	\$7.70	\$13.04	\$0.00	\$54.41
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
LABORER: MULTI-TRADE TENDER <i>LABORERS - ZONE 4 (BUILDING & SITE)</i>	12/01/2017	\$26.00	\$7.70	\$12.00	\$0.00	\$45.70
	06/01/2018	\$26.75	\$7.70	\$12.00	\$0.00	\$46.45
	12/01/2018	\$27.50	\$7.70	\$12.00	\$0.00	\$47.20
	06/01/2019	\$28.25	\$7.70	\$12.00	\$0.00	\$47.95
	12/01/2019	\$29.00	\$7.70	\$12.00	\$0.00	\$48.70
	06/01/2020	\$29.65	\$7.70	\$12.00	\$0.00	\$49.35
	12/01/2020	\$30.30	\$7.70	\$12.00	\$0.00	\$50.00
For apprentice rates see "Apprentice- LABORER"						
LABORER: TREE REMOVER <i>LABORERS - ZONE 4 (BUILDING & SITE)</i>	12/01/2017	\$26.00	\$7.70	\$12.00	\$0.00	\$45.70
	06/01/2018	\$26.75	\$7.70	\$12.00	\$0.00	\$46.45
	12/01/2018	\$27.50	\$7.70	\$12.00	\$0.00	\$47.20
	06/01/2019	\$28.25	\$7.70	\$12.00	\$0.00	\$47.95
	12/01/2019	\$29.00	\$7.70	\$12.00	\$0.00	\$48.70
	06/01/2020	\$29.65	\$7.70	\$12.00	\$0.00	\$49.35
	12/01/2020	\$30.30	\$7.70	\$12.00	\$0.00	\$50.00
This classification applies to all tree work associated with the removal of standing trees, and trimming and removal of branches and limbs when the work is not done for a utility company for the purpose of operation, maintenance or repair of utility company equipment. For apprentice rates see "Apprentice- LABORER"						
LASER BEAM OPERATOR <i>LABORERS - ZONE 4 (BUILDING & SITE)</i>	12/01/2017	\$26.25	\$7.70	\$12.00	\$0.00	\$45.95
	06/01/2018	\$27.00	\$7.70	\$12.00	\$0.00	\$46.70
	12/01/2018	\$27.75	\$7.70	\$12.00	\$0.00	\$47.45
	06/01/2019	\$28.50	\$7.70	\$12.00	\$0.00	\$48.20
	12/01/2019	\$29.25	\$7.70	\$12.00	\$0.00	\$48.95
	06/01/2020	\$29.90	\$7.70	\$12.00	\$0.00	\$49.60
	12/01/2020	\$30.55	\$7.70	\$12.00	\$0.00	\$50.25
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
LASER BEAM OPERATOR (HEAVY & HIGHWAY) LABORERS - ZONE 4 (HEAVY & HIGHWAY)	12/01/2017	\$27.43	\$7.70	\$13.04	\$0.00	\$48.17
	06/01/2018	\$28.18	\$7.70	\$13.04	\$0.00	\$48.92
	12/01/2018	\$28.92	\$7.70	\$13.04	\$0.00	\$49.66
	06/01/2019	\$29.69	\$7.70	\$13.04	\$0.00	\$50.43
	12/01/2019	\$30.46	\$7.70	\$13.04	\$0.00	\$51.20
	06/01/2020	\$31.25	\$7.70	\$13.04	\$0.00	\$51.99
	12/01/2020	\$32.04	\$7.70	\$13.04	\$0.00	\$52.78
	06/01/2021	\$32.86	\$7.70	\$13.04	\$0.00	\$53.60
	12/01/2021	\$33.67	\$7.70	\$13.04	\$0.00	\$54.41

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

MARBLE & TILE FINISHERS BRICKLAYERS LOCAL 3 (SPR/PITT) - MARBLE & TILE	03/01/2018	\$33.67	\$10.75	\$17.65	\$0.00	\$62.07
	08/01/2018	\$34.67	\$10.75	\$17.76	\$0.00	\$63.18
	02/01/2019	\$35.17	\$10.75	\$17.76	\$0.00	\$63.68
	08/01/2019	\$36.17	\$10.75	\$17.87	\$0.00	\$64.79
	02/01/2020	\$36.67	\$10.75	\$17.87	\$0.00	\$65.29
	08/01/2020	\$37.67	\$10.75	\$17.99	\$0.00	\$66.41
	02/01/2021	\$38.17	\$10.75	\$17.99	\$0.00	\$66.91
	08/01/2021	\$39.17	\$10.75	\$18.12	\$0.00	\$68.04
	02/01/2022	\$39.62	\$10.75	\$18.12	\$0.00	\$68.49

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

Effective Date - 03/01/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$16.84	\$10.75	\$17.65	\$0.00	\$45.24
2	60	\$20.20	\$10.75	\$17.65	\$0.00	\$48.60
3	70	\$23.57	\$10.75	\$17.65	\$0.00	\$51.97
4	80	\$26.94	\$10.75	\$17.65	\$0.00	\$55.34
5	90	\$30.30	\$10.75	\$17.65	\$0.00	\$58.70

Notes:

Apprentice to Journeyworker Ratio:1:5

MARBLE MASONS, TILELAYERS & TERRAZZO MECH BRICKLAYERS LOCAL 3 (SPR/PITT) - MARBLE & TILE	02/01/2018	\$52.10	\$10.75	\$20.03	\$0.00	\$82.88
	08/01/2018	\$53.45	\$10.75	\$20.16	\$0.00	\$84.36
	02/01/2019	\$54.07	\$10.75	\$20.16	\$0.00	\$84.98
	08/01/2019	\$55.42	\$10.75	\$20.30	\$0.00	\$86.47
	02/01/2020	\$56.05	\$10.75	\$20.30	\$0.00	\$87.10
	08/01/2020	\$57.40	\$10.75	\$20.45	\$0.00	\$88.60
	02/01/2021	\$58.04	\$10.75	\$20.45	\$0.00	\$89.24
	08/01/2021	\$59.44	\$10.75	\$20.61	\$0.00	\$90.80
	02/01/2022	\$60.01	\$10.75	\$20.61	\$0.00	\$91.37

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - MARBLE-TILE-TERRAZZO MECH - Local 3 Marble/Tile (Spr/Pitt)
Effective Date - 02/01/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$26.05	\$10.75	\$20.03	\$0.00	\$56.83
2	60	\$31.26	\$10.75	\$20.03	\$0.00	\$62.04
3	70	\$36.47	\$10.75	\$20.03	\$0.00	\$67.25
4	80	\$41.68	\$10.75	\$20.03	\$0.00	\$72.46
5	90	\$46.89	\$10.75	\$20.03	\$0.00	\$77.67

Effective Date - 08/01/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$26.73	\$10.75	\$20.16	\$0.00	\$57.64
2	60	\$32.07	\$10.75	\$20.16	\$0.00	\$62.98
3	70	\$37.42	\$10.75	\$20.16	\$0.00	\$68.33
4	80	\$42.76	\$10.75	\$20.16	\$0.00	\$73.67
5	90	\$48.11	\$10.75	\$20.16	\$0.00	\$79.02

Notes:
Apprentice to Journeyworker Ratio:1:5

MECH. SWEEPER OPERATOR (ON CONST. SITES)	12/01/2017	\$34.18	\$10.99	\$13.12	\$0.00	\$58.29
OPERATING ENGINEERS LOCAL 98	06/01/2018	\$34.79	\$10.99	\$13.39	\$0.00	\$59.17
	12/01/2018	\$35.39	\$10.99	\$13.66	\$0.00	\$60.04
	06/01/2019	\$35.90	\$10.99	\$13.93	\$0.00	\$60.82
	12/01/2019	\$36.50	\$10.99	\$14.20	\$0.00	\$61.69

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

MECHANIC/WELDER/BOOM TRUCK	12/01/2017	\$33.65	\$10.99	\$13.12	\$0.00	\$57.76
OPERATING ENGINEERS LOCAL 98	06/01/2018	\$34.26	\$10.99	\$13.39	\$0.00	\$58.64
	12/01/2018	\$34.86	\$10.99	\$13.66	\$0.00	\$59.51
	06/01/2019	\$35.37	\$10.99	\$13.93	\$0.00	\$60.29
	12/01/2019	\$35.97	\$10.99	\$14.20	\$0.00	\$61.16

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

MILLWRIGHT (Zone 3)	10/01/2017	\$34.64	\$9.90	\$18.50	\$0.00	\$63.04
MILLWRIGHTS LOCAL 1121 - Zone 3	04/01/2018	\$35.46	\$9.90	\$18.50	\$0.00	\$63.86
	10/01/2018	\$36.29	\$9.90	\$18.50	\$0.00	\$64.69
	04/01/2019	\$37.11	\$9.90	\$18.50	\$0.00	\$65.51

Classification

Effective Date Base Wage Health Pension Supplemental
Unemployment Total Rate

Apprentice - MILLWRIGHT - Local 1121 Zone 3

Effective Date - 10/01/2017

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

Effective Date - 04/01/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$19.50	\$9.90	\$5.31	\$0.00	\$34.71
2	65	\$23.05	\$9.90	\$15.13	\$0.00	\$48.08
3	75	\$26.60	\$9.90	\$16.10	\$0.00	\$52.60
4	85	\$30.14	\$9.90	\$17.06	\$0.00	\$57.10

Notes:

Steps are 2,000 hours

Apprentice to Journeyworker Ratio: 1:5

MORTAR MIXER	12/01/2017	\$26.25	\$7.70	\$12.00	\$0.00	\$45.95
<i>LABORERS - ZONE 4 (BUILDING & SITE)</i>	06/01/2018	\$27.00	\$7.70	\$12.00	\$0.00	\$46.70
	12/01/2018	\$27.75	\$7.70	\$12.00	\$0.00	\$47.45
	06/01/2019	\$28.50	\$7.70	\$12.00	\$0.00	\$48.20
	12/01/2019	\$29.25	\$7.70	\$12.00	\$0.00	\$48.95
	06/01/2020	\$29.90	\$7.70	\$12.00	\$0.00	\$49.60
	12/01/2020	\$30.55	\$7.70	\$12.00	\$0.00	\$50.25
For apprentice rates see "Apprentice- LABORER"						
OILER	12/01/2017	\$29.34	\$10.99	\$13.12	\$0.00	\$53.45
<i>OPERATING ENGINEERS LOCAL 98</i>	06/01/2018	\$29.95	\$10.99	\$13.39	\$0.00	\$54.33
	12/01/2018	\$30.55	\$10.99	\$13.66	\$0.00	\$55.20
	06/01/2019	\$31.06	\$10.99	\$13.93	\$0.00	\$55.98
	12/01/2019	\$31.66	\$10.99	\$14.20	\$0.00	\$56.85
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
OTHER POWER DRIVEN EQUIPMENT - CLASS VI	12/01/2017	\$27.36	\$10.99	\$13.12	\$0.00	\$51.47
<i>OPERATING ENGINEERS LOCAL 98</i>	06/01/2018	\$27.97	\$10.99	\$13.39	\$0.00	\$52.35
	12/01/2018	\$28.57	\$10.99	\$13.66	\$0.00	\$53.22
	06/01/2019	\$29.08	\$10.99	\$13.93	\$0.00	\$54.00
	12/01/2019	\$29.68	\$10.99	\$14.20	\$0.00	\$54.87
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PAINTER (BRIDGES/TANKS)	01/01/2017	\$51.41	\$7.85	\$16.10	\$0.00	\$75.36
<i>PAINTERS LOCAL 35 - ZONE 3</i>						

Classification

Effective Date Base Wage Health Pension Supplemental
Unemployment Total Rate

Apprentice - PAINTER Local 35 - BRIDGES/TANKS

Effective Date - 01/01/2017

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

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER (SPRAY OR SANDBLAST, NEW) * 01/01/2017 \$34.68 \$7.85 \$12.30 \$0.00 \$54.83

* If 30% or more of surfaces to be painted are new construction,

NEW paint rate shall be used. PAINTERS LOCAL 35 - ZONE 3

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

Effective Date - 01/01/2017

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

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER (SPRAY OR SANDBLAST, REPAINT) 01/01/2017 \$32.00 \$7.85 \$12.30 \$0.00 \$52.15

PAINTERS LOCAL 35 - ZONE 3

Classification

Effective Date Base Wage Health Pension Supplemental
Unemployment Total Rate

Apprentice - PAINTER Local 35 Zone 3 - Spray/Sandblast - Repaint

Effective Date - 01/01/2017

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$16.00	\$7.85	\$0.00	\$0.00	\$23.85
2	55	\$17.60	\$7.85	\$1.57	\$0.00	\$27.02
3	60	\$19.20	\$7.85	\$1.71	\$0.00	\$28.76
4	65	\$20.80	\$7.85	\$1.85	\$0.00	\$30.50
5	70	\$22.40	\$7.85	\$11.45	\$0.00	\$41.70
6	75	\$24.00	\$7.85	\$11.59	\$0.00	\$43.44
7	80	\$25.60	\$7.85	\$11.73	\$0.00	\$45.18
8	90	\$28.80	\$7.85	\$12.02	\$0.00	\$48.67

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER / TAPER (BRUSH, NEW) * 01/01/2017 \$33.28 \$7.85 \$12.30 \$0.00 \$53.43

* If 30% or more of surfaces to be painted are new construction,

NEW paint rate shall be used. PAINTERS LOCAL 35 - ZONE 3

Apprentice - PAINTER - Local 35 Zone 3 - BRUSH NEW

Effective Date - 01/01/2017

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$16.64	\$7.85	\$0.00	\$0.00	\$24.49
2	55	\$18.30	\$7.85	\$1.57	\$0.00	\$27.72
3	60	\$19.97	\$7.85	\$1.71	\$0.00	\$29.53
4	65	\$21.63	\$7.85	\$1.85	\$0.00	\$31.33
5	70	\$23.30	\$7.85	\$11.45	\$0.00	\$42.60
6	75	\$24.96	\$7.85	\$11.59	\$0.00	\$44.40
7	80	\$26.62	\$7.85	\$11.73	\$0.00	\$46.20
8	90	\$29.95	\$7.85	\$12.02	\$0.00	\$49.82

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER / TAPER (BRUSH, REPAINT) 01/01/2017 \$30.60 \$7.85 \$12.30 \$0.00 \$50.75

PAINTERS LOCAL 35 - ZONE 3

Classification

Effective Date Base Wage Health Pension Supplemental
Unemployment Total Rate

Apprentice - PAINTER Local 55 Zone 3 - BRUSH REPAINT

Effective Date - 01/01/2017

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$15.30	\$7.85	\$0.00	\$0.00	\$23.15
2	55	\$16.83	\$7.85	\$1.57	\$0.00	\$26.25
3	60	\$18.36	\$7.85	\$1.71	\$0.00	\$27.92
4	65	\$19.89	\$7.85	\$1.85	\$0.00	\$29.59
5	70	\$21.42	\$7.85	\$1.45	\$0.00	\$40.72
6	75	\$22.95	\$7.85	\$1.59	\$0.00	\$42.39
7	80	\$24.48	\$7.85	\$1.73	\$0.00	\$44.06
8	90	\$27.54	\$7.85	\$12.02	\$0.00	\$47.41

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER TRAFFIC MARKINGS (HEAVY/HIGHWAY)	12/01/2017	\$27.18	\$7.70	\$13.04	\$0.00	\$47.92
LABORERS - ZONE 4 (HEAVY & HIGHWAY)	06/01/2018	\$27.93	\$7.70	\$13.04	\$0.00	\$48.67
	12/01/2018	\$28.67	\$7.70	\$13.04	\$0.00	\$49.41
	06/01/2019	\$29.44	\$7.70	\$13.04	\$0.00	\$50.18
	12/01/2019	\$30.21	\$7.70	\$13.04	\$0.00	\$50.95
	06/01/2020	\$31.00	\$7.70	\$13.04	\$0.00	\$51.74
	12/01/2020	\$31.79	\$7.70	\$13.04	\$0.00	\$52.53
	06/01/2021	\$32.61	\$7.70	\$13.04	\$0.00	\$53.35
	12/01/2021	\$33.42	\$7.70	\$13.04	\$0.00	\$54.16

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

PANEL & PICKUP TRUCKS DRIVER TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	12/01/2012	\$30.28	\$9.07	\$8.00	\$0.00	\$47.35
PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK) PILE DRIVER LOCAL 56 (ZONE 3)	08/01/2017	\$39.42	\$9.90	\$21.15	\$0.00	\$70.47
	08/01/2018	\$41.57	\$9.90	\$21.15	\$0.00	\$72.62
	08/01/2019	\$43.79	\$9.90	\$21.15	\$0.00	\$74.84

For apprentice rates see "Apprentice- PILE DRIVER"

PILE DRIVER PILE DRIVER LOCAL 56 (ZONE 3)	08/01/2017	\$39.42	\$9.90	\$21.15	\$0.00	\$70.47
	08/01/2018	\$41.57	\$9.90	\$21.15	\$0.00	\$72.62
	08/01/2019	\$43.79	\$9.90	\$21.15	\$0.00	\$74.84

Apprentice - PILE DRIVER - Local 56 Zone 3

Effective Date - 08/01/2017

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\$53.19/2\$57.61/3\$62.04/4\$64.25/5\$66.47/6\$66.47/7\$70.89/8\$70.89

Apprentice to Journeyworker Ratio:1:5

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
PIPELAYER <i>LABORERS - ZONE 4 (BUILDING & SITE)</i>	12/01/2017	\$26.25	\$7.70	\$12.00	\$0.00	\$45.95
	06/01/2018	\$27.00	\$7.70	\$12.00	\$0.00	\$46.70
	12/01/2018	\$27.75	\$7.70	\$12.00	\$0.00	\$47.45
	06/01/2019	\$28.50	\$7.70	\$12.00	\$0.00	\$48.20
	12/01/2019	\$29.25	\$7.70	\$12.00	\$0.00	\$48.95
	06/01/2020	\$29.90	\$7.70	\$12.00	\$0.00	\$49.60
	12/01/2020	\$30.55	\$7.70	\$12.00	\$0.00	\$50.25
For apprentice rates see "Apprentice- LABORER"						
PIPELAYER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 4 (HEAVY & HIGHWAY)</i>	12/01/2017	\$27.43	\$7.70	\$13.04	\$0.00	\$48.17
	06/01/2018	\$28.18	\$7.70	\$13.04	\$0.00	\$48.92
	12/01/2018	\$28.92	\$7.70	\$13.04	\$0.00	\$49.66
	06/01/2019	\$29.69	\$7.70	\$13.04	\$0.00	\$50.43
	12/01/2019	\$30.46	\$7.70	\$13.04	\$0.00	\$51.20
	06/01/2020	\$31.25	\$7.70	\$13.04	\$0.00	\$51.99
	12/01/2020	\$32.04	\$7.70	\$13.04	\$0.00	\$52.78
	06/01/2021	\$32.86	\$7.70	\$13.04	\$0.00	\$53.60
	12/01/2021	\$33.67	\$7.70	\$13.04	\$0.00	\$54.41
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
PLUMBER & PIPEFITTER <i>PLUMBERS & PIPEFITTERS LOCAL 104 WESTERN DIVISION</i>	09/17/2017	\$38.03	\$8.50	\$15.30	\$0.00	\$61.83
	03/17/2018	\$39.08	\$8.50	\$15.30	\$0.00	\$62.88
	09/17/2018	\$40.33	\$8.50	\$15.30	\$0.00	\$64.13
	03/17/2019	\$41.58	\$8.50	\$15.30	\$0.00	\$65.38

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PLUMBER/PIPEFITTER - Local 104 Western
Effective Date - 09/17/2017

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	45	\$17.11	\$8.50	\$9.05	\$0.00	\$34.66
2	50	\$19.02	\$8.50	\$9.05	\$0.00	\$36.57
3	55	\$20.92	\$8.50	\$9.05	\$0.00	\$38.47
4	60	\$22.82	\$8.50	\$9.05	\$0.00	\$40.37
5	65	\$24.72	\$8.50	\$9.05	\$0.00	\$42.27
6	70	\$26.62	\$8.50	\$9.05	\$0.00	\$44.17
7	75	\$28.52	\$8.50	\$9.05	\$0.00	\$46.07
8	80	\$30.42	\$8.50	\$9.05	\$0.00	\$47.97
9	80	\$30.42	\$8.50	\$15.30	\$0.00	\$54.22
10	80	\$30.42	\$8.50	\$15.30	\$0.00	\$54.22

Effective Date - 03/17/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	45	\$17.59	\$8.50	\$9.05	\$0.00	\$35.14
2	50	\$19.54	\$8.50	\$9.05	\$0.00	\$37.09
3	55	\$21.49	\$8.50	\$9.05	\$0.00	\$39.04
4	60	\$23.45	\$8.50	\$9.05	\$0.00	\$41.00
5	65	\$25.40	\$8.50	\$9.05	\$0.00	\$42.95
6	70	\$27.36	\$8.50	\$9.05	\$0.00	\$44.91
7	75	\$29.31	\$8.50	\$9.05	\$0.00	\$46.86
8	80	\$31.26	\$8.50	\$9.05	\$0.00	\$48.81
9	80	\$31.26	\$8.50	\$15.30	\$0.00	\$55.06
10	80	\$31.26	\$8.50	\$15.30	\$0.00	\$55.06

Notes: **1:1,2:5,3:9,4:12
Apprentice to Journeyworker Ratio:**

PNEUMATIC CONTROLS (TEMP.)	09/17/2017	\$38.03	\$8.50	\$15.30	\$0.00	\$61.83
PLUMBERS & PIPEFITTERS LOCAL 104 WESTERN DIVISION	03/17/2018	\$39.08	\$8.50	\$15.30	\$0.00	\$62.88
	09/17/2018	\$40.33	\$8.50	\$15.30	\$0.00	\$64.13
	03/17/2019	\$41.58	\$8.50	\$15.30	\$0.00	\$65.38
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
PNEUMATIC DRILL/TOOL OPERATOR (HEAVY & HIGHWAY)	12/01/2017	\$27.43	\$7.70	\$13.04	\$0.00	\$48.17
LABORERS - ZONE 4 (HEAVY & HIGHWAY)	06/01/2018	\$28.18	\$7.70	\$13.04	\$0.00	\$48.92
	12/01/2018	\$28.92	\$7.70	\$13.04	\$0.00	\$49.66
	06/01/2019	\$29.69	\$7.70	\$13.04	\$0.00	\$50.43
	12/01/2019	\$30.46	\$7.70	\$13.04	\$0.00	\$51.20
	06/01/2020	\$31.25	\$7.70	\$13.04	\$0.00	\$51.99
	12/01/2020	\$32.04	\$7.70	\$13.04	\$0.00	\$52.78
	06/01/2021	\$32.86	\$7.70	\$13.04	\$0.00	\$53.60
	12/01/2021	\$33.67	\$7.70	\$13.04	\$0.00	\$54.41

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
POWDERMAN & BLASTER LABORERS - ZONE 4 (BUILDING & SITE)	12/01/2017	\$27.00	\$7.70	\$12.00	\$0.00	\$46.70
	06/01/2018	\$27.75	\$7.70	\$12.00	\$0.00	\$47.45
	12/01/2018	\$28.50	\$7.70	\$12.00	\$0.00	\$48.20
	06/01/2019	\$29.25	\$7.70	\$12.00	\$0.00	\$48.95
	12/01/2019	\$30.00	\$7.70	\$12.00	\$0.00	\$49.70
	06/01/2020	\$30.65	\$7.70	\$12.00	\$0.00	\$50.35
	12/01/2020	\$31.30	\$7.70	\$12.00	\$0.00	\$51.00
For apprentice rates see "Apprentice- LABORER"						
POWDERMAN & BLASTER (HEAVY & HIGHWAY) LABORERS - ZONE 4 (HEAVY & HIGHWAY)	12/01/2017	\$28.18	\$7.70	\$13.14	\$0.00	\$49.02
	06/01/2018	\$28.93	\$7.70	\$13.14	\$0.00	\$49.77
	12/01/2018	\$29.67	\$7.70	\$13.14	\$0.00	\$50.51
	06/01/2019	\$30.44	\$7.70	\$13.14	\$0.00	\$51.28
	12/01/2019	\$31.21	\$7.70	\$13.14	\$0.00	\$52.05
	06/01/2020	\$32.00	\$7.70	\$13.14	\$0.00	\$52.84
	12/01/2020	\$32.79	\$7.70	\$13.14	\$0.00	\$53.63
	06/01/2021	\$33.61	\$7.70	\$13.14	\$0.00	\$54.45
	12/01/2021	\$34.42	\$7.70	\$13.14	\$0.00	\$55.26
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
PUMP OPERATOR (CONCRETE) OPERATING ENGINEERS LOCAL 98	12/01/2017	\$34.18	\$10.99	\$13.12	\$0.00	\$58.29
	06/01/2018	\$34.79	\$10.99	\$13.39	\$0.00	\$59.17
	12/01/2018	\$35.39	\$10.99	\$13.66	\$0.00	\$60.04
	06/01/2019	\$35.90	\$10.99	\$13.93	\$0.00	\$60.82
	12/01/2019	\$36.50	\$10.99	\$14.20	\$0.00	\$61.69
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (DEWATERING, OTHER) OPERATING ENGINEERS LOCAL 98	12/01/2017	\$33.65	\$10.99	\$13.12	\$0.00	\$57.76
	06/01/2018	\$34.26	\$10.99	\$13.39	\$0.00	\$58.64
	12/01/2018	\$34.86	\$10.99	\$13.66	\$0.00	\$59.51
	06/01/2019	\$35.37	\$10.99	\$13.93	\$0.00	\$60.29
	12/01/2019	\$35.97	\$10.99	\$14.20	\$0.00	\$61.16
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
READY-MIX CONCRETE DRIVER TEAMSTERS LOCAL 404	05/01/2016	\$21.01	\$10.23	\$9.40	\$0.00	\$40.64
RIDE-ON MOTORIZED BUGGY OPERATOR LABORERS - ZONE 4 (BUILDING & SITE)	12/01/2017	\$26.25	\$7.70	\$12.00	\$0.00	\$45.95
	06/01/2018	\$27.00	\$7.70	\$12.00	\$0.00	\$46.70
	12/01/2018	\$27.75	\$7.70	\$12.00	\$0.00	\$47.45
	06/01/2019	\$28.50	\$7.70	\$12.00	\$0.00	\$48.20
	12/01/2019	\$29.25	\$7.70	\$12.00	\$0.00	\$48.95
	06/01/2020	\$29.90	\$7.70	\$12.00	\$0.00	\$49.60
	12/01/2020	\$30.55	\$7.70	\$12.00	\$0.00	\$50.25
For apprentice rates see "Apprentice- LABORER"						
ROLLER OPERATOR OPERATING ENGINEERS LOCAL 98	12/01/2017	\$33.04	\$10.99	\$13.12	\$0.00	\$57.15
	06/01/2018	\$33.65	\$10.99	\$13.39	\$0.00	\$58.03
	12/01/2018	\$34.25	\$10.99	\$13.66	\$0.00	\$58.90
	06/01/2019	\$34.76	\$10.99	\$13.93	\$0.00	\$59.68
	12/01/2019	\$35.36	\$10.99	\$14.20	\$0.00	\$60.55
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
ROOFER (Cold tar pitch) ROOFERS LOCAL 248	07/16/2017	\$32.25	\$10.00	\$13.91	\$0.00	\$56.16
	07/16/2018	\$33.65	\$10.00	\$14.01	\$0.00	\$57.66
	07/16/2019	\$35.30	\$10.00	\$14.11	\$0.00	\$59.41
For apprentice rates see "Apprentice- ROOFER"						
ROOFER (HotRoofing Waterproofing &Roofing Damproofg) ROOFERS LOCAL 248	07/16/2017	\$31.75	\$10.00	\$13.41	\$0.00	\$55.16
	07/16/2018	\$33.15	\$10.00	\$13.51	\$0.00	\$56.66
	07/16/2019	\$34.80	\$10.00	\$13.61	\$0.00	\$58.41

Apprentice - ROOFER - Local 248

Effective Date - 07/16/2017

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

Effective Date - 07/16/2018

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

Notes:

Steps are 750 hrs.Roofing(Tear Off)1:1: Same as above

Apprentice to Journeyworker Ratio:1:3

ROOFER SLATE / TILE / PRECAST CONCRETE ROOFERS LOCAL 248	07/16/2017	\$32.25	\$10.00	\$13.91	\$0.00	\$56.16
	07/16/2018	\$33.65	\$10.00	\$14.01	\$0.00	\$57.66
	07/16/2019	\$35.30	\$10.00	\$14.11	\$0.00	\$59.41
For apprentice rates see "Apprentice- ROOFER"						
SCRAPER OPERATING ENGINEERS LOCAL 98	12/01/2017	\$33.65	\$10.99	\$13.12	\$0.00	\$57.76
	06/01/2018	\$34.26	\$10.99	\$13.39	\$0.00	\$58.64
	12/01/2018	\$34.86	\$10.99	\$13.66	\$0.00	\$59.51
	06/01/2019	\$35.37	\$10.99	\$13.93	\$0.00	\$60.29
	12/01/2019	\$35.97	\$10.99	\$14.20	\$0.00	\$61.16

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
SELF-POWERED ROLLERS AND COMPACTORS (TAMPERS) <i>OPERATING ENGINEERS LOCAL 98</i>	12/01/2017	\$33.04	\$10.99	\$13.12	\$0.00	\$57.15
	06/01/2018	\$33.65	\$10.99	\$13.39	\$0.00	\$58.03
	12/01/2018	\$34.25	\$10.99	\$13.66	\$0.00	\$58.90
	06/01/2019	\$34.76	\$10.99	\$13.93	\$0.00	\$59.68
	12/01/2019	\$35.36	\$10.99	\$14.20	\$0.00	\$60.55
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
SELF-PROPELLED POWER BROOM <i>OPERATING ENGINEERS LOCAL 98</i>	12/01/2017	\$30.42	\$10.99	\$13.12	\$0.00	\$54.53
	06/01/2018	\$31.03	\$10.99	\$13.39	\$0.00	\$55.41
	12/01/2018	\$31.63	\$10.99	\$13.66	\$0.00	\$56.28
	06/01/2019	\$32.14	\$10.99	\$13.93	\$0.00	\$57.06
	12/01/2019	\$32.74	\$10.99	\$14.20	\$0.00	\$57.93
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
SHEETMETAL WORKER <i>SHEETMETAL WORKERS LOCAL 63</i>	01/01/2018	\$32.99	\$10.64	\$16.22	\$1.77	\$61.62
	07/01/2018	\$33.74	\$10.64	\$16.22	\$1.77	\$62.37
	01/01/2019	\$34.74	\$10.64	\$16.22	\$1.77	\$63.37
	07/01/2019	\$35.74	\$10.64	\$16.22	\$1.77	\$64.37
	01/01/2020	\$36.99	\$10.64	\$16.22	\$1.77	\$65.62

Classification

Effective Date Base Wage Health Pension Supplemental
Unemployment Total Rate

Apprentice - *SHEET METAL WORKER - Local 63*

Effective Date - 01/01/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	45	\$14.85	\$6.21	\$4.67	\$0.00	\$25.73
2	50	\$16.50	\$6.55	\$5.19	\$0.00	\$28.24
3	55	\$18.14	\$6.88	\$9.33	\$1.03	\$35.38
4	60	\$19.79	\$7.22	\$9.33	\$1.09	\$37.43
5	65	\$21.44	\$7.55	\$9.33	\$1.15	\$39.47
6	70	\$23.09	\$7.88	\$9.33	\$1.21	\$41.51
7	75	\$24.74	\$8.22	\$9.33	\$1.27	\$43.56
8	80	\$26.39	\$9.30	\$15.18	\$1.53	\$52.40
9	85	\$28.04	\$9.64	\$15.18	\$1.59	\$54.45
10	90	\$29.69	\$9.98	\$15.18	\$1.65	\$56.50

Effective Date - 07/01/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	45	\$15.18	\$6.21	\$4.67	\$0.00	\$26.06
2	50	\$16.87	\$6.55	\$5.19	\$0.00	\$28.61
3	55	\$18.56	\$6.88	\$9.33	\$1.04	\$35.81
4	60	\$20.24	\$7.22	\$9.33	\$1.10	\$37.89
5	65	\$21.93	\$7.55	\$9.33	\$1.16	\$39.97
6	70	\$23.62	\$7.88	\$9.33	\$1.22	\$42.05
7	75	\$25.31	\$8.22	\$9.33	\$1.29	\$44.15
8	80	\$26.99	\$9.30	\$15.18	\$1.54	\$53.01
9	85	\$28.68	\$9.64	\$15.18	\$1.61	\$55.11
10	90	\$30.37	\$9.98	\$15.18	\$1.67	\$57.20

Notes:

Apprentice to Journeyworker Ratio:1:3

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

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

Apprentice - SIGN ERECTOR - Local 35 Zone 3

Effective Date - 06/01/2013

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

Notes:

Steps are 4 mos.

Apprentice to Journeyworker Ratio:1:1

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

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - SPRINKLER FITTER - Local 669
Effective Date - 01/01/2018

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

Effective Date - 04/01/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	45	\$18.68	\$7.75	\$0.00	\$0.00	\$26.43
2	50	\$20.76	\$7.75	\$0.00	\$0.00	\$28.51
3	55	\$22.83	\$9.67	\$7.05	\$0.00	\$39.55
4	60	\$24.91	\$9.67	\$7.05	\$0.00	\$41.63
5	65	\$26.98	\$9.67	\$7.30	\$0.00	\$43.95
6	70	\$29.06	\$9.67	\$7.30	\$0.00	\$46.03
7	75	\$31.13	\$9.67	\$7.30	\$0.00	\$48.10
8	80	\$33.21	\$9.67	\$7.30	\$0.00	\$50.18
9	85	\$35.28	\$9.67	\$7.30	\$0.00	\$52.25
10	90	\$37.36	\$9.67	\$7.30	\$0.00	\$54.33

Notes:
Apprentice to Journeyworker Ratio:1:1

TELECOMMUNICATION TECHNICIAN	12/31/2017	\$40.51	\$10.00	\$11.42	\$0.00	\$61.93
ELECTRICIANS LOCAL 7	07/01/2018	\$41.21	\$10.25	\$11.74	\$0.00	\$63.20
	12/30/2018	\$41.91	\$10.50	\$12.06	\$0.00	\$64.47
	06/30/2019	\$42.66	\$10.75	\$12.33	\$0.00	\$65.74
	12/29/2019	\$43.41	\$11.00	\$12.60	\$0.00	\$67.01

Classification

Effective Date Base Wage Health Pension Supplemental
Unemployment Total Rate

Apprentice - TELECOMMUNICATION TECHNICIAN - Local 7

Effective Date - 12/31/2017

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

Effective Date - 07/01/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$16.48	\$5.55	\$0.49	\$0.00	\$22.52
2	45	\$18.54	\$5.55	\$0.56	\$0.00	\$24.65
3	50	\$20.61	\$10.25	\$6.92	\$0.00	\$37.78
4	55	\$22.67	\$10.25	\$6.98	\$0.00	\$39.90
5	65	\$26.79	\$10.25	\$8.10	\$0.00	\$45.14
6	70	\$28.85	\$10.25	\$9.17	\$0.00	\$48.27

Notes:

Steps are 800 hours

Apprentice to Journeyworker Ratio:1:1

TERRAZZO FINISHERS	02/01/2018	\$51.00	\$10.75	\$20.03	\$0.00	\$81.78
BRICKLAYERS LOCAL 3 (SPR/PITT) - MARBLE & TILE	08/01/2018	\$52.35	\$10.75	\$20.16	\$0.00	\$83.26
	02/01/2019	\$52.99	\$10.75	\$20.16	\$0.00	\$83.90
	08/01/2019	\$54.34	\$10.75	\$20.30	\$0.00	\$85.39
	02/01/2020	\$54.98	\$10.75	\$20.30	\$0.00	\$86.03
	08/01/2020	\$56.33	\$10.75	\$20.45	\$0.00	\$87.53
	02/01/2021	\$56.97	\$10.75	\$20.45	\$0.00	\$88.17
	08/01/2021	\$58.37	\$10.75	\$20.61	\$0.00	\$89.73
	02/01/2022	\$58.96	\$10.75	\$20.61	\$0.00	\$90.32

Classification

Effective Date Base Wage Health Pension Supplemental
Unemployment Total Rate

Apprentice - TERRAZZO FINISHER-Local 3 Marble/Tile (Spr/Ptt)

Effective Date - 02/01/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$25.50	\$10.75	\$20.03	\$0.00	\$56.28
2	60	\$30.60	\$10.75	\$20.03	\$0.00	\$61.38
3	70	\$35.70	\$10.75	\$20.03	\$0.00	\$66.48
4	80	\$40.80	\$10.75	\$20.03	\$0.00	\$71.58
5	90	\$45.90	\$10.75	\$20.03	\$0.00	\$76.68

Effective Date - 08/01/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$26.18	\$10.75	\$20.16	\$0.00	\$57.09
2	60	\$31.41	\$10.75	\$20.16	\$0.00	\$62.32
3	70	\$36.65	\$10.75	\$20.16	\$0.00	\$67.56
4	80	\$41.88	\$10.75	\$20.16	\$0.00	\$72.79
5	90	\$47.12	\$10.75	\$20.16	\$0.00	\$78.03

Notes:
Apprentice to Journeyworker Ratio:1:5

TEST BORING DRILLER	12/01/2017	\$38.85	\$7.70	\$14.95	\$0.00	\$61.50
LABORERS - FOUNDATION AND MARINE	06/01/2018	\$39.80	\$7.70	\$14.95	\$0.00	\$62.45
	12/01/2018	\$40.75	\$7.70	\$14.95	\$0.00	\$63.40
	06/01/2019	\$41.75	\$7.70	\$14.95	\$0.00	\$64.40
	12/01/2019	\$42.75	\$7.70	\$14.95	\$0.00	\$65.40
	06/01/2020	\$43.74	\$7.70	\$14.95	\$0.00	\$66.39
	12/01/2020	\$44.72	\$7.70	\$14.95	\$0.00	\$67.37
	06/01/2021	\$45.74	\$7.70	\$14.95	\$0.00	\$68.39
	12/01/2021	\$46.75	\$7.70	\$14.95	\$0.00	\$69.40

For apprentice rates see "Apprentice- LABORER"

TEST BORING DRILLER HELPER	12/01/2017	\$37.57	\$7.70	\$14.95	\$0.00	\$60.22
LABORERS - FOUNDATION AND MARINE	06/01/2018	\$38.52	\$7.70	\$14.95	\$0.00	\$61.17
	12/01/2018	\$39.47	\$7.70	\$14.95	\$0.00	\$62.12
	06/01/2019	\$40.47	\$7.70	\$14.95	\$0.00	\$63.12
	12/01/2019	\$41.47	\$7.70	\$14.95	\$0.00	\$64.12
	06/01/2020	\$42.46	\$7.70	\$14.95	\$0.00	\$65.11
	12/01/2020	\$43.44	\$7.70	\$14.95	\$0.00	\$66.09
	06/01/2021	\$44.46	\$7.70	\$14.95	\$0.00	\$67.11
	12/01/2021	\$45.47	\$7.70	\$14.95	\$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>	12/01/2017	\$37.45	\$7.70	\$14.95	\$0.00	\$60.10
	06/01/2018	\$38.40	\$7.70	\$14.95	\$0.00	\$61.05
	12/01/2018	\$39.35	\$7.70	\$14.95	\$0.00	\$62.00
	06/01/2019	\$40.35	\$7.70	\$14.95	\$0.00	\$63.00
	12/01/2019	\$41.35	\$7.70	\$14.95	\$0.00	\$64.00
	06/01/2020	\$42.34	\$7.70	\$14.95	\$0.00	\$64.99
	12/01/2020	\$43.32	\$7.70	\$14.95	\$0.00	\$65.97
	06/01/2021	\$44.34	\$7.70	\$14.95	\$0.00	\$66.99
	12/01/2021	\$45.35	\$7.70	\$14.95	\$0.00	\$68.00
For apprentice rates see "Apprentice- LABORER"						
TRACTORS <i>OPERATING ENGINEERS LOCAL 98</i>	12/01/2017	\$33.04	\$10.99	\$13.12	\$0.00	\$57.15
	06/01/2018	\$33.65	\$10.99	\$13.39	\$0.00	\$58.03
	12/01/2018	\$34.25	\$10.99	\$13.66	\$0.00	\$58.90
	06/01/2019	\$34.76	\$10.99	\$13.93	\$0.00	\$59.68
	12/01/2019	\$35.36	\$10.99	\$14.20	\$0.00	\$60.55
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
TRAILERS FOR EARTH MOVING EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2016	\$33.02	\$10.91	\$10.89	\$0.00	\$54.82
TUNNEL WORK - COMPRESSED AIR <i>LABORERS (COMPRESSED AIR)</i>	12/01/2017	\$49.73	\$7.70	\$15.35	\$0.00	\$72.78
	06/01/2018	\$50.68	\$7.70	\$15.35	\$0.00	\$73.73
	12/01/2018	\$51.63	\$7.70	\$15.35	\$0.00	\$74.68
	06/01/2019	\$52.63	\$7.70	\$15.35	\$0.00	\$75.68
	12/01/2019	\$53.63	\$7.70	\$15.35	\$0.00	\$76.68
	06/01/2020	\$54.62	\$7.70	\$15.35	\$0.00	\$77.67
	12/01/2020	\$55.60	\$7.70	\$15.35	\$0.00	\$78.65
	06/01/2021	\$56.62	\$7.70	\$15.35	\$0.00	\$79.67
	12/01/2021	\$57.63	\$7.70	\$15.35	\$0.00	\$80.68
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - COMPRESSED AIR (HAZ. WASTE) <i>LABORERS (COMPRESSED AIR)</i>	12/01/2017	\$51.73	\$7.70	\$15.35	\$0.00	\$74.78
	06/01/2018	\$52.68	\$7.70	\$15.35	\$0.00	\$75.73
	12/01/2018	\$53.63	\$7.70	\$15.35	\$0.00	\$76.68
	06/01/2019	\$54.63	\$7.70	\$15.35	\$0.00	\$77.68
	12/01/2019	\$55.63	\$7.70	\$15.35	\$0.00	\$78.68
	06/01/2020	\$56.62	\$7.70	\$15.35	\$0.00	\$79.67
	12/01/2020	\$57.60	\$7.70	\$15.35	\$0.00	\$80.65
	06/01/2021	\$58.62	\$7.70	\$15.35	\$0.00	\$81.67
	12/01/2021	\$59.63	\$7.70	\$15.35	\$0.00	\$82.68
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TUNNEL WORK - FREE AIR <i>LABORERS (FREE AIR TUNNEL)</i>	12/01/2017	\$41.80	\$7.70	\$15.35	\$0.00	\$64.85
	06/01/2018	\$42.75	\$7.70	\$15.35	\$0.00	\$65.80
	12/01/2018	\$43.70	\$7.70	\$15.35	\$0.00	\$66.75
	06/01/2019	\$44.70	\$7.70	\$15.35	\$0.00	\$67.75
	12/01/2019	\$45.70	\$7.70	\$15.35	\$0.00	\$68.75
	06/01/2020	\$46.69	\$7.70	\$15.35	\$0.00	\$69.74
	12/01/2020	\$47.67	\$7.70	\$15.35	\$0.00	\$70.72
	06/01/2021	\$48.69	\$7.70	\$15.35	\$0.00	\$71.74
	12/01/2021	\$49.70	\$7.70	\$15.35	\$0.00	\$72.75
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - FREE AIR (HAZ. WASTE) <i>LABORERS (FREE AIR TUNNEL)</i>	12/01/2017	\$43.80	\$7.70	\$15.35	\$0.00	\$66.85
	06/01/2018	\$44.75	\$7.70	\$15.35	\$0.00	\$67.80
	12/01/2018	\$45.70	\$7.70	\$15.35	\$0.00	\$68.75
	06/01/2019	\$46.70	\$7.70	\$15.35	\$0.00	\$69.75
	12/01/2019	\$47.70	\$7.70	\$15.35	\$0.00	\$70.75
	06/01/2020	\$48.69	\$7.70	\$15.35	\$0.00	\$71.74
	12/01/2020	\$49.67	\$7.70	\$15.35	\$0.00	\$72.72
	06/01/2021	\$50.69	\$7.70	\$15.35	\$0.00	\$73.74
	12/01/2021	\$51.70	\$7.70	\$15.35	\$0.00	\$74.75
For apprentice rates see "Apprentice- LABORER"						
VAC-HAUL <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2016	\$32.44	\$10.91	\$10.89	\$0.00	\$54.24
WAGON DRILL OPERATOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 4 (HEAVY & HIGHWAY)</i>	12/01/2017	\$27.43	\$7.70	\$13.04	\$0.00	\$48.17
	06/01/2018	\$28.18	\$7.70	\$13.04	\$0.00	\$48.92
	12/01/2018	\$28.92	\$7.70	\$13.04	\$0.00	\$49.66
	06/01/2019	\$29.69	\$7.70	\$13.04	\$0.00	\$50.43
	12/01/2019	\$30.46	\$7.70	\$13.04	\$0.00	\$51.20
	06/01/2020	\$31.25	\$7.70	\$13.04	\$0.00	\$51.99
	12/01/2020	\$32.04	\$7.70	\$13.04	\$0.00	\$52.78
	06/01/2021	\$32.86	\$7.70	\$13.04	\$0.00	\$53.60
	12/01/2021	\$33.67	\$7.70	\$13.04	\$0.00	\$54.41
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
WATER METER INSTALLER <i>PLUMBERS & PIPEFITTERS LOCAL 104 WESTERN DIVISION</i>	09/17/2017	\$38.03	\$8.50	\$15.30	\$0.00	\$61.83
	03/17/2018	\$39.08	\$8.50	\$15.30	\$0.00	\$62.88
	09/17/2018	\$40.33	\$8.50	\$15.30	\$0.00	\$64.13
	03/17/2019	\$41.58	\$8.50	\$15.30	\$0.00	\$65.38
For apprentice rates see "Apprentice- PLUMBER/PIPEFITTER" or "PLUMBER/GASFITTER"						
Outside Electrical - West						
EQUIPMENT OPERATOR <i>OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42</i>	09/03/2017	\$39.92	\$8.00	\$12.41	\$0.00	\$60.33
	09/02/2018	\$42.26	\$8.00	\$12.50	\$0.00	\$62.76
	09/01/2019	\$44.67	\$8.00	\$12.55	\$0.00	\$65.22
For apprentice rates see "Apprentice- LINEMAN"						
GROUNDMAN <i>OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42</i>	09/03/2017	\$25.83	\$8.00	\$5.33	\$0.00	\$39.16
	09/02/2018	\$28.17	\$8.00	\$5.41	\$0.00	\$41.58
	09/01/2019	\$30.58	\$8.00	\$5.48	\$0.00	\$44.06
For apprentice rates see "Apprentice- LINEMAN"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
GROUNDMAN / TRUCK DRIVER OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42	09/03/2017	\$35.22	\$8.00	\$10.82	\$0.00	\$54.04
	09/02/2018	\$37.56	\$8.00	\$10.89	\$0.00	\$56.45
	09/01/2019	\$39.97	\$8.00	\$10.96	\$0.00	\$58.93
For apprentice rates see "Apprentice- LINEMAN"						
HEAVY EQUIPMENT OPERATOR OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42	09/03/2017	\$42.26	\$8.00	\$13.08	\$0.00	\$63.34
	09/02/2018	\$44.60	\$8.00	\$13.15	\$0.00	\$65.75
	09/01/2019	\$47.01	\$8.00	\$13.22	\$0.00	\$68.23
For apprentice rates see "Apprentice- LINEMAN"						
JOURNEYMAN LINEMAN OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42	09/03/2017	\$46.96	\$8.00	\$15.41	\$0.00	\$70.37
	09/02/2018	\$49.30	\$8.00	\$15.48	\$0.00	\$72.78
	09/01/2019	\$51.71	\$8.00	\$15.55	\$0.00	\$75.26

Apprentice - LINEMAN (Outside Electrical) - West Local 42

Effective Date - 09/03/2017

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$28.18	\$8.00	\$3.35	\$0.00	\$39.53
2	65	\$30.52	\$8.00	\$3.42	\$0.00	\$41.94
3	70	\$32.87	\$8.00	\$3.49	\$0.00	\$44.36
4	75	\$35.22	\$8.00	\$5.06	\$0.00	\$48.28
5	80	\$37.57	\$8.00	\$5.13	\$0.00	\$50.70
6	85	\$39.92	\$8.00	\$5.20	\$0.00	\$53.12
7	90	\$42.26	\$8.00	\$7.28	\$0.00	\$57.54

Effective Date - 09/02/2018

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$29.58	\$8.00	\$3.39	\$0.00	\$40.97
2	65	\$32.05	\$8.00	\$3.46	\$0.00	\$43.51
3	70	\$34.51	\$8.00	\$3.54	\$0.00	\$46.05
4	75	\$36.98	\$8.00	\$5.11	\$0.00	\$50.09
5	80	\$39.44	\$8.00	\$5.18	\$0.00	\$52.62
6	85	\$41.91	\$8.00	\$5.26	\$0.00	\$55.17
7	90	\$44.37	\$8.00	\$7.33	\$0.00	\$59.70

Notes:

Apprentice to Journeyworker Ratio:1:2

TELEDATA CABLE SPLICER OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42	01/01/2016	\$28.98	\$4.25	\$3.12	\$0.00	\$36.35
TELEDATA LINEMAN/EQUIPMENT OPERATOR OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42	01/01/2016	\$27.31	\$4.25	\$3.07	\$0.00	\$34.63
TELEDATA WIREMAN/INSTALLER/TECHNICIAN OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42	01/01/2016	\$27.31	\$4.25	\$3.07	\$0.00	\$34.63
TRACTOR-TRAILER DRIVER OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42	09/03/2017	\$39.92	\$8.00	\$12.41	\$0.00	\$60.33
	09/02/2018	\$42.26	\$8.00	\$12.50	\$0.00	\$62.76
	09/01/2019	\$44.67	\$8.00	\$12.55	\$0.00	\$65.22

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TREE TRIMMER <i>OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42</i>	01/31/2016	\$18.51	\$3.55	\$0.00	\$0.00	\$22.06
This classification applies only to tree work done: (a) for a utility company, R.E.A. cooperative, or railroad or coal mining company, and (b) for the purpose of operating, maintaining, or repairing the utility company's equipment, and (c) by a person who is using hand or mechanical cutting methods and is not on the ground. This classification does not apply to wholesale tree removal.						
TREE TRIMMER GROUNDMAN <i>OUTSIDE ELECTRICAL WORKERS - WEST LOCAL 42</i>	01/31/2016	\$16.32	\$3.55	\$0.00	\$0.00	\$19.87
This classification applies only to tree work done: (a) for a utility company, R.E.A. cooperative, or railroad or coal mining company, and (b) for the purpose of operating, maintaining, or repairing the utility company's equipment, and (c) by a person who is using hand or mechanical cutting methods and is on the ground. This classification does not apply to wholesale tree removal.						

Additional Apprentice Information:

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

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

All steps are six months (1000 hours.)

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

** Multiple ratios are listed in the comment field.

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

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

Notice of Intent

**Scour Countermeasure of Bridge No. T-10-002 (02P)
Main Road over Hop Brook
Tyringham, Massachusetts**



February, 2017

Applicant:



**Town of Tyringham, MA
Town Selectmen
P.O. Box 442
Tyringham, Massachusetts 01264**

Representative:



**Gill Engineering Associates, Inc.
Keith T. Nelson, P.E.
63 Kendrick Street
Needham, Massachusetts 02494**

Contents

WPA Form 3

Attachment A Project Narrative

- 1.0 Introduction
- 2.0 Site Overview
- 3.0 Proposed Activities

Attachment B Design Plans

Attachment C Letter to Abutters

- 1.0 Letters
- 2.0 Certified Receipts

Attachment D NHESP Letter

- 1.0 Letters



**Massachusetts Department of Environmental
Protection**

Bureau of Resource Protection - Wetlands

WPA Form 3 - Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File #:

eDEP Transaction #:890488

City/Town:TYRINGHAM

A. General Information

1. Project Location:

a. Street Address	116 MAIN ROAD	c. Zip Code	01264
b. City/Town	TYRINGHAM	e. Longitude	73.19823W
d. Latitude	42.24155N	g. Parcel/Lot #	4,5,17 &18
f. Map/Plat #	203		

2. Applicant:

☐ Individual ☒ Organization

a. First Name		b. Last Name	
c. Organization	TOWN OF TYRINGHAM		
d. Mailing Address	P.O. BOX 442		
e. City/Town	TYRINGHAM	f. State	MA
g. Zip Code	01264		
h. Phone Number	413-243-1749	i. Fax	413-243-4942
j. Email	townhall@bcn.net		

3. Property Owner:

☐ more than one owner

a. First Name		b. Last Name	
c. Organization	TOWN OF TYRINGHAM		
d. Mailing Address	P.O. BOX 442		
e. City/Town	TYRINGHAM	f. State	MA
g. Zip Code	01264		
h. Phone Number	413-243-1749	i. Fax	413-243-4942
j. Email	townhall@bcn.net		

4. Representative:

a. First Name	KEITH	b. Last Name	NELSON
c. Organization	GILL ENGINEERING		
d. Mailing Address	63 KENDRICK STREET		
e. City/Town	NEEDHAM	f. State	MA
g. Zip Code	02494		
h. Phone Number	781-657-9044	i. Fax	
j. Email	knelson@gill-eng.com		

5. Total WPA Fee Paid (Automatically inserted from NOI Wetland Fee Transmittal Form):

a. Total Fee Paid	0.00	b. State Fee Paid	0.00	c. City/Town Fee Paid	0.00
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6. General Project Description:

THE PROJECT INVOLVES THE INSTALLATION OF A SCOUR COUNTERMEASURE SYSTEM UNDERNEATH A BRIDGE TO PROTECT ITS FOUNDATION. 1. INSTALL FLOATING SILT FENCE TO PREVENT DEBRIS CONTAMINATION OF THE STREAM DUE TO REPAIRS. 2. EXCAVATE APPROXIMATELY 27 CUBIC YARDS OF THE STREAMBED, INCLUDING EXISTING RIPRAP. 3. LAY OUT GEOTEXTILE FABRIC COVERED BY CRUSHED STONE. 4. INSTALL GROUT BAGS AND POUR TREMIE CONCRETE ADJACENT TO THE UNDERMINED FOOTING. 5. REESTABLISH STREAMBED WITH RIPRAP ON TOP OF THE CRUSHED STONE.

7a. Project Type:

- | | |
|---|---|
| 1. <input type="checkbox"/> Single Family Home | 2. <input type="checkbox"/> Residential Subdivision |
| 3. <input type="checkbox"/> Limited Project Driveway Crossing | 4. <input type="checkbox"/> Commercial/Industrial |



**Massachusetts Department of Environmental
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- | | |
|---|--|
| 5. <input type="checkbox"/> Dock/Pier | 6. <input type="checkbox"/> Utilities |
| 7. <input type="checkbox"/> Coastal Engineering Structure | 8. <input type="checkbox"/> Agriculture (eg., cranberries, forestry) |
| 9. <input checked="" type="checkbox"/> Transportation | 10. <input type="checkbox"/> Other |

7b. Is any portion of the proposed activity eligible to be treated as a limited project subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

1. ☒ Yes ☐ No If yes, describe which limited project applies to this project:

2. Limited THE MAINTENANCE, REPAIR AND IMPROVEMENT OF THE STREAM BED TO PROVIDE SCOUR
Project PROTECTION TO THE FOOTING OF THE BRIDGE ON MAIN ROAD CROSSING HOPP BROOK.

8. Property recorded at the Registry of Deeds for:

a. County:

b. Certificate:

c. Book:

d. Page:

MIDDLE BERKSHIRE

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

1. Buffer Zone & Resource Area Impacts (temporary & permanent):

☐ This is a Buffer Zone only project - Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.

2. Inland Resource Areas: (See 310 CMR 10.54 - 10.58, if not applicable, go to Section B.3. Coastal Resource Areas)

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
---------------	-----------------------------	-------------------------------

a. ☐ Bank

1. linear feet

2. linear feet

b. ☐ Bordering Vegetated Wetland

1. square feet

2. square feet

c. ☒ Land under Waterbodies and Waterways

833

833

1. Square feet

2. square feet

33

3. cubic yards dredged

d. ☐ Bordering Land Subject to Flooding

1. square feet

2. square feet

3. cubic feet of flood storage lost

4. cubic feet replaced

e. ☐ Isolated Land Subject to Flooding

1. square feet

2. cubic feet of flood storage lost

3. cubic feet replaced

f. ☐ Riverfront Area

1. Name of Waterway (if any)

2. Width of Riverfront Area (check one)

☐ 25 ft. - Designated Densely Developed Areas only

☐ 100 ft. - New agricultural projects only

☐ 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project



**Massachusetts Department of Environmental
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square feet

4. Proposed Alteration of the Riverfront Area:

- a. total square feet b. square feet within 100 ft. c. square feet between 100 ft.
and 200 ft.

5. Has an alternatives analysis been done and is it attached to this NOI?

☐ Yes ☐ No

6. Was the lot where the activity is proposed created prior to August 1, 1996?

☐ Yes ☐ No

3. Coastal Resource Areas: (See 310 CMR 10.25 - 10.35)

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
---------------	-----------------------------	-------------------------------

- | | | |
|---|---|------------------------------------|
| a. <input type="checkbox"/> Designated Port Areas | Indicate size under | Land under the ocean below, |
| b. <input type="checkbox"/> Land Under the Ocean | 1. square feet | |
| | 2. cubic yards dredged | |
| c. <input type="checkbox"/> Barrier Beaches | Indicate size under Coastal Beaches and/or Coastal Dunes, below | |
| d. <input type="checkbox"/> Coastal Beaches | 1. square feet | 2. cubic yards beach nourishment |
| e. <input type="checkbox"/> Coastal Dunes | 1. square feet | 2. cubic yards dune nourishment |
| f. <input type="checkbox"/> Coastal Banks | 1. linear feet | |
| g. <input type="checkbox"/> Rocky Intertidal Shores | 1. square feet | |
| h. <input type="checkbox"/> Salt Marshes | 1. square feet | 2. sq ft restoration, rehab, crea. |
| i. <input type="checkbox"/> Land Under Salt Ponds | 1. square feet | |
| | 2. cubic yards dredged | |
| j. <input type="checkbox"/> Land Containing Shellfish | 1. square feet | |
| k. <input type="checkbox"/> Fish Runs | Indicate size under Coastal Banks, Inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above | |
| | 1. cubic yards dredged | |
| l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage | 1. square feet | |

4. Restoration/Enhancement

☐ Restoration/Replacement

If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been



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entered in Section B.2.b or B.3.h above, please entered the additional amount here.

a. square feet of BVW

b. square feet of Salt Marsh

5. Projects Involves Stream Crossings

☐ Project Involves Streams Crossings

If the project involves Stream Crossings, please enter the number of new stream crossings/number of replacement stream crossings.

a. number of new stream crossings

b. number of replacement stream crossings

C. Other Applicable Standards and Requirements

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage of Endangered Species program (NHESP)?

a. ☒ Yes ☐ No

If yes, include proof of mailing or hand delivery of
NOI to:

Natural Heritage and Endangered Species
Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581

b. Date of map: FROM MAP VIEWER

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18)...

c. Submit Supplemental Information for Endangered Species Review * (Check boxes as they apply)

1. ☒ Percentage/acreage of property to be altered:

(a) within Wetland Resource Area

0
percentage/acreage

(b) outside Resource Area

0
percentage/acreage

2. ☒ Assessor's Map or right-of-way plan of site

3. ☒ Project plans for entire project site, including wetland resource areas and areas outside of wetland jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **

a. ☒ Project description (including description of impacts outside of wetland resource area & buffer zone)

b. ☒ Photographs representative of the site

c. ☐ MESA filing fee (fee information available at: <http://www.mass.gov/cca/agencies/dfg/dfw/natural-heritage/regulatory-review/mass-endangered-species-act-mesa/mesa-fee-schedule.html>)

Make check payable to "Natural Heritage & Endangered Species Fund" and mail to NHESP at above address

Projects altering 10 or more acres of land, also submit:

d. ☐ Vegetation cover type map of site

e. ☒ Project plans showing Priority & Estimated Habitat boundaries

d. OR Check One of the following



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

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Provided by MassDEP:

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1. ☐ Project is exempt from MESA review. Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <http://www.mass.gov/cca/agencies/dfg/dfw/laws-regulations/cmr/321-cmr-1000-massachusetts-endangered-species-act.html#10.14>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2. ☐ Separate MESA review ongoing.

a. NHESP Tracking Number

b. Date submitted to NHESP

3. ☐ Separate MESA review completed.

Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review...

2. For coastal projects only, is any portion of the proposed project located below the mean high waterline or in a fish run?

a. ☒ Not applicable - project is in inland resource area only

b. ☐ Yes ☐ No

If yes, include proof of mailing or hand delivery of NOI to either:

South Shore - Cohasset to Rhode Island,
and the Cape & Islands:

North Shore - Hull to
New Hampshire:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
1213 Purchase street - 3rd floor
New Bedford, MA 02740-6694

Division of Marine
Fisheries -
North Shore Office
Attn: Environmental
Reviewer
30 Emerson Avenue
Gloucester, MA 01930

If yes, it may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office.

For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional office.

3. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?

a. ☐ Yes ☒ No

If yes, provide name of ACEC (see instructions to WPA Form 3 or DEP Website for ACEC locations). **Note:** electronic filers click on Website.

b. ACEC Name

4. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?

a. ☐ Yes ☒ No

5. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L.c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L.c. 130, § 105)?

a. ☐ Yes ☒ No

6. Is this project subject to provisions of the MassDEP Stormwater Management Standards?

a. ☐ Yes, Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:

1. Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

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Provided by MassDEP:

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- ☐ Vol.2, Chapter 3)
- 2. ☐ A portion of the site constitutes redevelopment
- 3. ☐ Proprietary BMPs are included in the Stormwater Management System

b. ☒ No, Explain why the project is exempt:

- 1. ☐ Single Family Home
- 2. ☐ Emergency Road Repair
- 3. ☐ Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

D. Additional Information

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department by regular mail delivery.

- 1. USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
- 2. Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.
- 3. Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s).
- 4. ☒ Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.
- 4. List the titles and dates for all plans and other materials submitted with this NOI.

a. Plan Title: b. Plan Prepared By: c. Plan Signed/Stamped By: d. Revised Final Date: e. Scale:

SCOUR REPAIR PLANS GILL ENGINEERING INC. KEITH T NELSON, P.E.

- 5. ☐ If there is more than one property owner, please attach a list of these property owners not listed on this form.
- 6. ☐ Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
- 7. ☐ Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
- 8. ☐ Attach NOI Wetland Fee Transmittal Form.
- 9. ☐ Attach Stormwater Report, if needed.



**Massachusetts Department of Environmental
Protection**

Bureau of Resource Protection - Wetlands

WPA Form 3 - Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
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City/Town: TYRINGHAM

E. Fees

1. Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

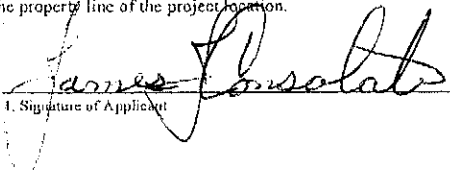
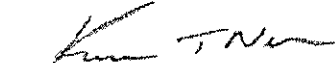
Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

2. Municipal Check Number	3. Check date
4. State Check Number	5. Check date
6. Payer name on check: First Name	7. Payer name on check: Last Name

F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

1. Signature of Applicant 	2. Date 2-14-2017
3. Signature of Property Owner (if different)	4. Date
5. Signature of Representative (if any) 	6. Date 2-13-17

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a copy of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

If the applicant has checked the "yes" box in Section C, Items 1-3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
WPA Form 3 - Notice of Wetland Fee Transmittal
Form

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
MassDEP File #:
eDEP Transaction #:890488
City/Town: TYRINGHAM

A. Applicant Information

1. Applicant:

a. First Name		b. Last Name	
c. Organization	TOWN OF TYRINGHAM		
d. Mailing Address	P.O. BOX 442		
e. City/Town	TYRINGHAM	f. State	MA
g. Zip Code	01264		
h. Phone Number	4132431749	i. Fax	4132434942
j. Email	townhall@bcn.net		

2. Property Owner: (if different)

a. First Name		b. Last Name	
c. Organization	TOWN OF TYRINGHAM		
d. Mailing Address	P.O. BOX 442		
e. City/Town	TYRINGHAM	f. State	MA
g. Zip Code	01264		
h. Phone Number	4132431749	i. Fax	4132434942
j. Email	townhall@bcn.net		

3. Project Location:

a. Street Address	116 MAIN ROAD	b. City/Town	TYRINGHAM
-------------------	---------------	--------------	-----------

Are you exempted from Fee? ☐ (YOU HAVE SELECTED 'YES')

Note: Fee will be exempted if you are one of the following:

- City/Town/County/District
- Municipal Housing Authority
- Indian Tribe Housing Authority
- MBTA

State agencies are only exempt if the fee is less than \$100

B. Fees

Activity Type	Activity Number	Activity Fee	RF Multiplier	Sub Total
	City/Town share of filing fee	State share of filing fee	Total Project Fee	
	\$0.00	\$0.00	\$0.00	



**Massachusetts Department of Environmental
Protection**

Bureau of Resource Protection - Wetlands

WPA Form 3 - Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File #:

eDEP Transaction #:890488

City/Town: TYRINGHAM

E. Fees

1.

Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

2. Municipal Check Number

3. Check date

4. State Check Number

5. Check date

6. Payer name on check: First Name

7. Payer name on check: Last Name

F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

1. Signature of Applicant

2. Date

3. Signature of Property Owner (if different)

4. Date

5. Signature of Representative (if any)

6. Date

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a copy of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

If the applicant has checked the "yes" box in Section C, Items 1-3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.

Attachment A PROJECT NARRATIVE

1.0 Introduction

The Town of Tyringham proposes to perform scour repair work to the stream channel of Hop Brook adjacent to the foundations of the Main Road Bridge.

The purpose of the Main Road Bridge Scour Repair Project is to perform repairs to ensure proper performance of the transportation infrastructure. The proposed repair work is intended to reestablish the stream bed which is needed to protect the bridge foundation from future scour during extreme water events. The length of the project is approximately 30 feet.

The project area for this NOI filing is shown on the locus map (Figure 1).

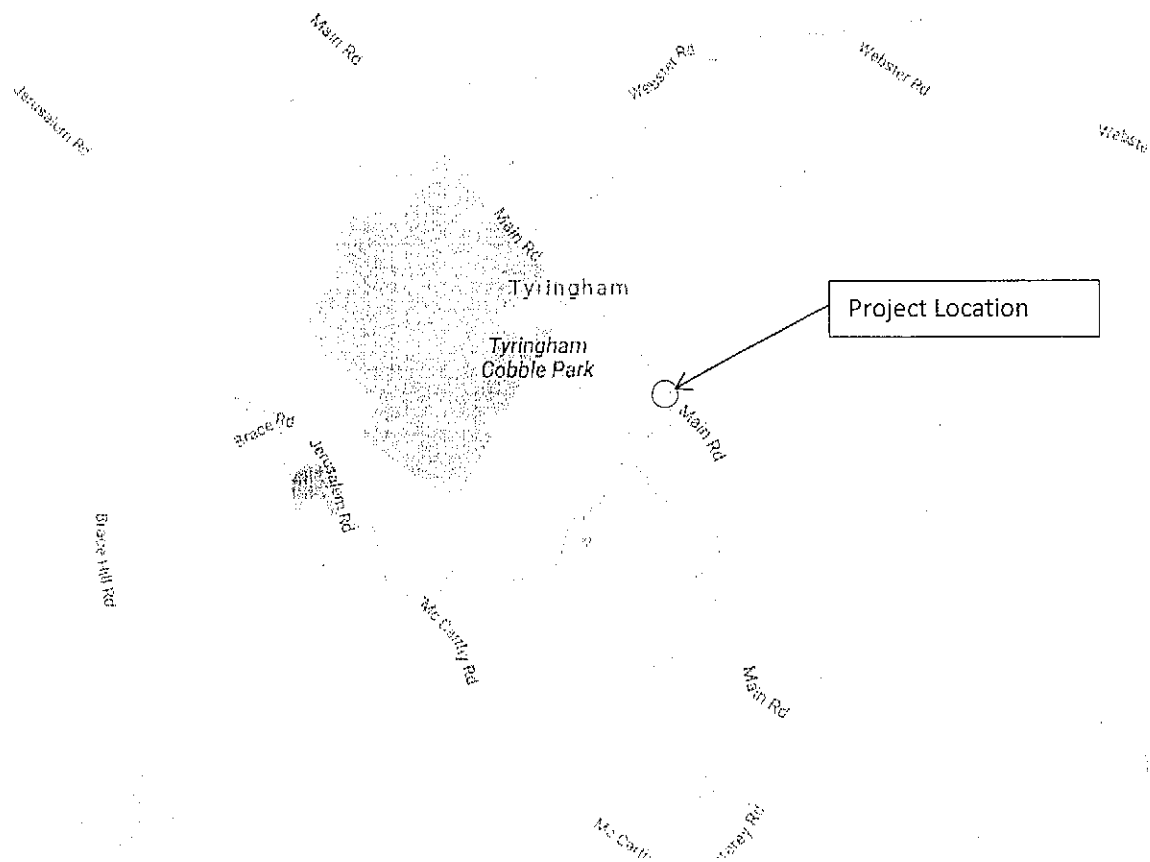


Figure 1-Project Location Map

2.0 Site Overview

Using the locus and available maps, GIS datalayers, as mapped by the Commonwealth's Office of Geographic Information (MassGIS), were overlaid on the project locus to determine the presence/absence and general location of environmental resources within, adjacent and proximate to the "Main Road Bridge over Hop Brook Scour Repair" project limits in Tyringham.

Wetland Resources

As shown in Figure 2, based on the DEP Wetlands datalayer, the proposed repair work is located within and adjacent to wetland resource areas. As such, the proposed work is located within land under water (LUW). Other wetland resource areas including riverfront, bank, borderline vegetated wetland and land subjected to flooding will not be impacted.

In order to minimize impacts to the LUW, the proposed work will meet the general performance standards set forth by 310 CMR 10.54 (4) which includes the following:

a. Any proposed work within the Land Under Water Bodies and Waterways shall not impair the following:

1. The water carrying capacity within the defined channel, which is provided by said land in conjunction with the banks;

In order to maintain water carrying capacity of the stream, the contractor will not be allowed to obstruct more than 50% of the flow of the stream channel while doing in-stream construction activities. Once complete, the natural stream bed will be reestablished.

2. Ground and surface water quality;

The water quality impacts from the proposed work will be mitigated with the use of floating silt fence. The floating silt fence will encompass the area of work which will aid in the containment of any siltation or debris from the proposed work. Furthermore, work in the waterway will be restricted to low flow periods (July 1 – September 30) and to small hand equipment.

3. The capacity of said land to provide breeding habitat, escape cover and food for fisheries; and

Not applicable.

4. The capacity of said land to provide important wildlife habitat functions.

This will be maintained.

b. May issue an Order to maintain or improve boat channels within Land Under Water Bodies and Waterways when said work is designed and carried out using the best practical measures so as to minimize adverse effects.

Not a navigable stream.

c. No project may be permitted which will have any adverse effect on specified habitat sites of rare vertebrate or invertebrate species.

The proposed project site is within an area of rare or endangered species. See Attachment B correspondence with NHESP which will require a turtle protection plan.

3.0 Proposed Activities

Maintenance repair work will be performed on the following bridge:

Bridge No. (BIN)	Description
B-01-002 (02P)	Main Road over Hop Brook

Work involves installing a scour countermeasure system underneath the Main Road Bridge to protect its foundation from further undermining. The stages of work include:

- Install a floating silt fence for debris containment during work activity,
- Excavate the stream bed as needed to install riprap,
- Lay out geotextile fabric covered by crushed stone,
- Install groutbags and pour grout within undermine area of the existing footing,
- Install remaining groutbags to fill in scour hole,
- Then reestablish the remaining streambed with riprap on top of the crushed stone.

The placement of the grout bags and rip rap material will fill the existing scour hole and reestablish the stream bed to its natural elevation. No net fill of the natural stream will occur.

T-11-002
MAIN ROAD OVER HOP BROOK
BRIDGE SCOUR REPAIR

APPENDICES

APPENDIX A
TYRINGHAM CONSERVATION COMMISSION
ORDER OF CONDITIONS

Attachment B Design Plans

Attachment C Letter to Abutters



Gill Engineering Associates, Inc.
63 Kendrick Street
Needham, MA 02494
www.gill-eng.com
781-355-7100

February 13, 2017

Allan and Mary Garner
PO Box 396
Tyringham, MA 01264

**Re: Notice of Conservation Commission Meeting
Bridge Scour Repairs, Bridge No. T-10-002
Main Road over Hop Brook, Tyringham, MA**

Dear Mr. and Mrs. Garner,

Gill Engineering Associates, Inc., representing the Town of Tyringham, hereby notifies you, as an abutter to the proposed project site, of the Conservation Commission Public Hearing taking place at 7 pm on Thursday March 9, 2017 at the Town Hall, 116 Main Road, Tyringham, MA 01264. Gill Engineering has filed a Notice of Intent with the Tyringham Conservation Commission seeking permission to alter an Area Subject to Regulation and Protection under the Wetlands Protection Act.

Gill Engineering has been retained by the Town to design scour repairs for the bridge on Main Road over Hop Brook. The purpose of the project is to perform repairs to ensure proper performance of the transportation infrastructure. The proposed repair work is intended to reestablish the stream bed which is needed to protect the bridge foundation from future scour during extreme water events.

We do not anticipate any detrimental impacts to your property, and traffic will be restored along the route. You are invited to attend the meeting where we will further discuss the details of the proposed project.

Sincerely,
Gill Engineering Associates, Inc.

A handwritten signature in black ink, appearing to read "Keith T. Nelson".

Keith T. Nelson, PE
Principal Engineer



Gill Engineering Associates, Inc.
63 Kendrick Street
Needham, MA 02494
www.gill-eng.com
781-355-7100

February 13, 2017

Michael and Suzan McCauley
PO Box 273
Tyringham, MA 01264

**Re: Notice of Conservation Commission Meeting
Bridge Scour Repairs, Bridge No. T-10-002
Main Road over Hop Brook, Tyringham, MA**

Dear Mr. and Mrs. McCauley,

Gill Engineering Associates, Inc., representing the Town of Tyringham, hereby notifies you, as an abutter to the proposed project site, of the Conservation Commission Public Hearing taking place at 7 pm on Thursday March 9, 2017 at the Town Hall, 116 Main Road, Tyringham, MA 01264. Gill Engineering has filed a Notice of Intent with the Tyringham Conservation Commission seeking permission to alter an Area Subject to Regulation and Protection under the Wetlands Protection Act.

Gill Engineering has been retained by the Town to design scour repairs for the bridge on Main Road over Hop Brook. The purpose of the project is to perform repairs to ensure proper performance of the transportation infrastructure. The proposed repair work is intended to reestablish the stream bed which is needed to protect the bridge foundation from future scour during extreme water events.

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Sincerely,
Gill Engineering Associates, Inc.

A handwritten signature in black ink, appearing to read "Keith T. Nelson".

Keith T. Nelson, PE
Principal Engineer



Gill Engineering Associates, Inc.
63 Kendrick Street
Needham, MA 02494
www.gill-eng.com
781-355-7100

February 13, 2017

Neil and Helen Curtin
146 Main Road
Tyringham, MA 01264

**Re: Notice of Conservation Commission Meeting
Bridge Scour Repairs, Bridge No. T-10-002
Main Road over Hop Brook, Tyringham, MA**

Dear Mr. and Mrs. Curtin,

Gill Engineering Associates, Inc., representing the Town of Tyringham, hereby notifies you, as an abutter to the proposed project site, of the Conservation Commission Public Hearing taking place at 7 pm on Thursday March 9, 2017 at the Town Hall, 116 Main Road, Tyringham, MA 01264. Gill Engineering has filed a Notice of Intent with the Tyringham Conservation Commission seeking permission to alter an Area Subject to Regulation and Protection under the Wetlands Protection Act.

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Sincerely,
Gill Engineering Associates, Inc.

A handwritten signature in black ink, appearing to read "Keith T. Nelson", written over a horizontal line.

Keith T. Nelson, PE
Principal Engineer



Gill Engineering Associates, Inc.
63 Kendrick Street
Needham, MA 02494
www.gill-eng.com
781-355-7100

February 13, 2017

Joshua and Eden Curtin
144 Main Road
Tyringham, MA 01264

**Re: Notice of Conservation Commission Meeting
Bridge Scour Repairs, Bridge No. T-10-002
Main Road over Hop Brook, Tyringham, MA**

Dear Mr. and Mrs. Curtin,

Gill Engineering Associates, Inc., representing the Town of Tyringham, hereby notifies you, as an abutter to the proposed project site, of the Conservation Commission Public Hearing taking place at 7 pm on Thursday March 9, 2017 at the Town Hall, 116 Main Road, Tyringham, MA 01264. Gill Engineering has filed a Notice of Intent with the Tyringham Conservation Commission seeking permission to alter an Area Subject to Regulation and Protection under the Wetlands Protection Act.

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Sincerely,
Gill Engineering Associates, Inc.

A handwritten signature in black ink, appearing to read "Keith T. Nelson".

Keith T. Nelson, PE
Principal Engineer



Gill Engineering Associates, Inc.
63 Kendrick Street
Needham, MA 02494
www.gill-eng.com
781-355-7100

February 13, 2017

David and Shannon Clark
142 Main Road
Tyringham, MA 01264

**Re: Notice of Conservation Commission Meeting
Bridge Scour Repairs, Bridge No. T-10-002
Main Road over Hop Brook, Tyringham, MA**

Dear Mr. and Mrs. Clark,

Gill Engineering Associates, Inc., representing the Town of Tyringham, hereby notifies you, as an abutter to the proposed project site, of the Conservation Commission Public Hearing taking place at 7 pm on Thursday March 9, 2017 at the Town Hall, 116 Main Road, Tyringham, MA 01264. Gill Engineering has filed a Notice of Intent with the Tyringham Conservation Commission seeking permission to alter an Area Subject to Regulation and Protection under the Wetlands Protection Act.

Gill Engineering has been retained by the Town to design scour repairs for the bridge on Main Road over Hop Brook. The purpose of the project is to perform repairs to ensure proper performance of the transportation infrastructure. The proposed repair work is intended to reestablish the stream bed which is needed to protect the bridge foundation from future scour during extreme water events.

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Sincerely,
Gill Engineering Associates, Inc.

A handwritten signature in black ink, appearing to read "Keith T. Nelson".

Keith T. Nelson, PE
Principal Engineer

Attachment D NHESP Letter



MASSWILDLIFE

DIVISION OF FISHERIES & WILDLIFE

1 Rabbit Hill Road, Westborough, MA 01581

p: (508) 389-6300 | f: (508) 389-7890

MASS.GOV/MASSWILDLIFE

Jack Buckley, *Director*

December 28, 2016

Matthew Puntin
Town of Tyringham Office of the Selectmen
P.O. Box 442
Tyringham MA 01246

RE: Applicant: Matthew Puntin
 Project Location: Main Road over Hop Brook, Tyringham
 Project Description: Install Scour Countermeasure, Bridge No. T-10-002 (02P)
 NHESP File No.: 16-36279

Dear Applicant:

The Natural Heritage & Endangered Species Program of the Massachusetts Division of Fisheries & Wildlife (the "Division") received the MESA Project Review Checklist, plans (dated 11/15/2016) and other required materials for review pursuant to the Massachusetts Endangered Species Act (MESA) (MGL c.131A) and its implementing regulations (321 CMR 10.00).

The MESA is administered by the Division, and prohibits the Take of state-listed species. The Take of state-listed species is defined as "in reference to animals...harm...kill...disrupt the nesting, breeding, feeding or migratory activity...and in reference to plants...collect, pick, kill, transplant, cut or process...Disruption of nesting, breeding, feeding, or migratory activity may result from, but is not limited to, the modification, degradation, or destruction of Habitat" of state-listed species (321 CMR 10.02).

The Division has determined that this Project, as currently proposed, will occur **within** the actual habitat of the Wood Turtle (*Glyptemys insculpta*), a species of Special Concern. This species and their habitats are protected in accordance with the rare species provisions of the WPA and the MESA.

Based on the information provided and the information contained in our database, the Division finds that a portion of this project, as currently proposed, **must be conditioned in order to avoid a prohibited Take of state-listed species (321 CMR 10.18(2)(a))**. To avoid a prohibited Take of state-listed species, the following condition must be met:

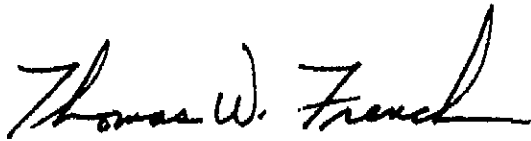
Turtle Protection Plan: Prior to any work, the Applicant shall submit a Turtle Protection Plan, prepared by a qualified biologist, to the Division for review and approval. Said Protection Plan must be **approved in writing by the Division prior to the start of Work**. Please note that a Scientific Collection Permit must be obtained from the NHESP to handle state-listed species. The Division is available to provide guidance in the development of the plan.

MASSWILDLIFE

Provided the above-noted condition is fully implemented and there are no changes to the project plans, this project will not result in a Take of state-listed species. We note that all work is subject to the anti-segmentation provisions (321 CMR 10.16) of the MESA. This determination is a final decision of the Division of Fisheries and Wildlife pursuant to 321 CMR 10.18. Any changes to the proposed project or any additional work beyond that shown on the site plans may require an additional filing with the Division pursuant to the MESA. This project may be subject to further review if no physical work is commenced within five years from the date of issuance of this determination, or if there is a change to the project.

Please note that this determination addresses only the matter of state-listed species and their habitats. If you have any questions regarding this letter please contact Daisy Medeiros, Endangered Species Review Assistant, at (508) 389-6357.

Sincerely,

A handwritten signature in black ink that reads "Thomas W. French". The signature is written in a cursive, flowing style with a large, prominent 'T' and 'F'.

Thomas W. French, Ph.D.
Assistant Director

cc: Keith Nelson, Gill Engineering