

TOWN OF NORTHBRIDGE



Department of Public Works

Three Priority Bridges Rehabilitation Project

Invitation for Bid

Contracting Authority:

Town Manager's Office
Memorial Town Hall
7 Main Street
Whitinsville, MA 01588

TOWN OF NORTBRIDGE “THREE PRIORITY BRIDGES REHABILITATION PROJECT”

INVITATION FOR BID

Under the provisions of Massachusetts General Laws, Chapter 30 §39M, the Town of Northbridge, Massachusetts is accepting sealed bids for the **Three Priority Bridges Rehabilitation project** set forth in this Invitation for Bids (IFB). **Bids** will be accepted until **10:00 a.m., Thursday, 16 July 2026** at the Town Manager's Office, **Memorial Town Hall, 7 Main Street, Whitinsville, MA 01588**. Bids shall be submitted in a sealed envelope clearly marked on the outside **“THREE PRIORITY BRIDGES REHABILITATION PROJECT, 10:00 a.m., Thursday, 16 July 2026”**.

GENERAL CONDITIONS AND INSTRUCTIONS TO BIDDERS

This contract is being procured under the applicable provisions of Massachusetts General Laws Chapter 30, Sections 39 A through 39 R inclusive which are incorporated herein by reference. **MassDOT prequalification of contractors with the class of work as, “Bridge – Construction” for the project with an estimated value of \$424,522 will be required.**

Bid documents will be made available to prospective bidders upon written request via email. Requests for bid documents may be submitted to Christopher Malsch, P.E. via email at cmalsch@hshassoc.com. Bid documents will be made available by June 24, 2026 at 9:00AM.

The Town of Northbridge reserves the right to reject any and all bids received as a result of this Invitation for Bids (IFB) and to waive informalities on the bid process. The bid acceptance period for this IFB will be thirty (30) calendar days from the date of bid opening.

If any changes are made to this IFB, an addendum will be issued. Addenda will be e-mailed or faxed to all bidders on record as having picked up or received the IFB. If addenda are issued, bidders must execute the addenda acknowledgement sheet and include it with the bid.

Questions concerning this invitation for bids must be submitted in writing to: **Christopher Malsch, P.E.** before **10:00 a.m., on Thursday, 9 July 2026**. Questions may be mailed to emailed to cmalsch@hshassoc.com. Written responses will be issued in an addendum by e-mail to all bidders on record as having received the IFB.

Bid prices will include the cost of signage, barrels, warning lights and other traffic control devices. All traffic controls shall be in accordance with the recommendations of the Manual on Uniform Traffic Control Devices. The contractor shall be responsible for arranging, scheduling and paying for all police traffic control details. An allowance has been included on the bid forms for police details. Contact the Northbridge Police Department at (508) 234-6212 to arrange details.

Payment for all items will be made within thirty (30) calendar days after completion of the work or item, and submission of a detailed invoice for payment and copies of certified payroll forms as stated below. **Payments cannot be made until payroll forms are received.** Measurements for payment shall be based on certified weight tickets, actual quantities of materials installed or delivered, or field measurements of work completed.

Prevailing Wage Rates: Minimum prevailing wage rates as determined under Massachusetts General Laws, Chapter 149, Sections 26 to 27H by the Commonwealth of Massachusetts, Department of Labor and Workforce Development, Division of Occupational Safety attached to this bid package apply to all work to be performed under this IFB. A true and accurate record must be kept of all persons employed on this project for which these rates have been provided. A payroll form is enclosed which must be submitted to the awarding authority on a weekly basis for all work performed under this contract. Additional requirements noted on the attached form from the Division of Occupational Safety must be completed. **Contractor must certify that all employees to be employed at the worksite have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least ten (10) hours in duration at the time the employee begins work and furnish documentations of successful completion of said course with the first certified payroll report for each employee.**

Insurance:

Before commencing any work, the contractor shall submit a certificate of insurance naming the Town of Northbridge as "Additional Insured". The following minimum limits shall apply:

Commercial General Liability

Per occurrence/aggregate - \$1,000,000/\$2,000,000

Bodily Injury and Accidental Death — General Liability

Each Person/aggregate \$500,000/\$500,000

Property Damage — General Liability

Each person/aggregate \$500,000/\$500,000

Bodily Injury and Accidental Death — Automobile Liability

Each person aggregate \$500,000/\$500,000

Property Damage — Automobile Liability

Each person/aggregate \$500,000/\$500,000

Employer's Liability Insurance

Workmen's Compensation Not less than \$1,000,000 each accident

Umbrella or Excess Liability Insurance

Not less than \$2,000,000 over and above primary limits

Bidders must sign the attached **Affidavit, Certificate of Non-collusion, Hold Harmless Agreement and Certificate of Compliance** and return them with their bids.

Bid Bonds, Performance Bonds, Payment Bonds:

Each bid must be accompanied by a bid bond, certified check or a treasurer's or cashier's check issued by a responsible bank or trust company, payable to the Town of Northbridge in the amount of five (5) percent of the value of the bid. As soon as bid prices have been compared, the Town will return the bid deposits of all except the three lowest responsible bidders. When the contract is executed, the bid deposits of the two remaining unsuccessful bidders will be returned. The bid deposit of the successful bidder will be retained until the payment bond and performance bond have been executed and approved, after which it will be returned.

A performance bond and a payment bond, each in the amount of fifty (50) percent of the total bid price, with a corporate surety qualified to do business under the laws of the commonwealth of Massachusetts and satisfactory to the Town, will be required of the Contractor for the faithful performance of the contract. Attorneys-in-fact who sign bid bonds or payment and performance bonds must file with each bond a certified and effective dated copy of their power of attorney.

Supervision:

The contractor shall have a full-time qualified supervisor capable of reading, writing, and conversing fluently in the English language on the job site at all times while work is in progress. This supervisor will oversee the work of the contractor and any sub-contractors and will report to the Director of Public Works or his designee any problems encountered as well as reports of progress.

Contract Performance Period/Progress Schedule:

The performance period for this proposed contract is ninety (90) calendar days. Contractor must start work within thirty (30) calendar days from the date of receipt of written Notice to Proceed and complete all work within ninety (90) calendar days after Notice to Proceed.

Basis of Award/Issuance of Work Items: Any contract resulting from this Invitation For Bids will be awarded based on the low acceptable "Total Bid" price for all work items as listed on the Bid Form. All work is subject to the availability of funds. If additional funds become available before the end of the performance period the Town may issue additional work items to the Contractor in priority order until all items have been completed.

Traffic Safety:

The contractor shall provide and install all necessary construction signs, barricades, barrels, flagging and ropes in the work area. All traffic controls shall be in accordance with the recommendations of the Manual on Uniform Traffic Control Devices. Prior to the start of work, the contractor shall submit a work area signage plan to the Town for approval. All approved signage shall be in place before the start of actual work. The contractor shall be responsible for arranging, scheduling, and paying for all police traffic control details. Contact the Northbridge Police Department at (508)-234-6212 to arrange details. The bid forms include an allowance for Police Traffic Control Details. The contractor will be reimbursed for the actual cost of traffic control details. The contractor must furnish proof of payment before details will be reimbursed.

Special Notice to Bidders

The bidder's attention is directed to the following:

M.G.L. CH. 131 ORDER OF CONDITIONS

This project is subject to the Massachusetts General laws, Chapter 131, Section 40 as amended, and has been issued a Order of Conditions by the Northbridge Conservation Commission. The Order of Conditions by shall be considered part of this contract and a copy and all attachments and references shall be on-site at all times while construction activities regulated by the Order of Conditions are being performed. The Contractor is hereby notified that s/he shall be responsible and held accountable for performing any/all work necessary to satisfy and comply with the entire Order of Conditions including but not limited to every Condition, Requirement, and all referenced plans or documents just though the “Contractor” were the “Applicant” named in the Order of Conditions. If the Contractor initiates any changes/modifications to the Order of Conditions for this project, s/he shall be responsible for obtaining any amended or additional environmental permits. The Town of Northbridge shall not be responsible for any time delays or monetary claims associated with permit modifications initiated by the Contractor.

A complete copy of all the M.G.L. Ch. 131 Order of Conditions applicable to this project is included in this Information for Bidders (IFB) for reference. All requirements shall be in full force and effect on the contractor and his construction activates as if they had been issued directly to the “Contractor” as the “Applicant” by the Northbridge Conservation Commission.

The Contractor shall be required to notify the Conservation Agent at least 48 hours in advance, counting Mondays through Wednesdays only, of work at each location. Contractor shall be required to read and sign the Orders of Conditions included in APPENDIX B of this IFB. This work includes, but is not necessarily limited to, all aspects of the Order of Conditions provided in APPENDIX B of this IFB.

The Contractor is advised that no additional compensation will be allowed for work required to establish, achieve, and maintain compliance with the Order of Conditions, as payment for the work shall be included in the respective bid items.

TOWN OF NORTHBRIDGE

Northbridge Three Priority Bridges

All work done under this contract shall be done in conformance with the *Commonwealth of Massachusetts Department of Transportation Standard Specifications for Highways and Bridges* dated 2024, and the *Supplemental Specifications* dated March 31, 2024; the *2017 Construction Standard Details*, the *2009 Manual on Uniform Traffic Control Devices (MUTCD) with Massachusetts Amendments* and the *Standard Municipal Traffic Code*; the Plans and these Special Provisions.

SCOPE OF WORK

The work under this Contract consists of the rehabilitation of three existing bridges in Northbridge, MA. Repair work for these three structures includes, but not necessarily limited to, the following:

The existing Bridge No. N-21-001 (1CW) is a 51'-0"± stone arch bridge on Church Street that spans over the Blackstone River. The rehabilitation on this bridge includes waterway debris removal, reinforced concrete excavation, HMA patching, TL-2 single faced guardrail with anchorage and tangent ends, single faced transition to rigid barrier at the bridge, removal of highway guardrail, installation of guardrail posts, the removal and rebuild of stone masonry barrier, floating silt fence, traffic cones for traffic management, temporary traffic control for guardrail installation, concrete repair work above and below water, cement for pointing, mortar patching and grout of the existing substructure and steel reinforcement including drilling and grouting of dowels.

The existing Bridge No. N-21-016 (1D1) is a 21'-9½"± simple span steel stringer bridge on Linwood Avenue that spans over Linwood Pond. The rehabilitation on this bridge includes reinforced concrete excavation, gravel borrow for backfilling, replacement of cement concrete sidewalk, traffic cones for traffic management, concrete repair work above and below water, grout repairs, steel reinforcement, and temporary falsework.

The existing Bridge No. N-21-017 (6U9) is a 11'-4"± clear span concrete slab bridge on Church Street that spans over Abandoned Blackstone Canal. The rehabilitation on this bridge includes bridge vegetation and waterway debris removal, TL-2 single faced guardrail with anchorage and tangent ends, removal of existing guardrail, traffic cones for traffic management, concrete slab repair, mortar for existing concrete slab repair work and steel reinforcement.

ENVIRONMENTAL PERMITTING

If field conditions and/or erection, demolition, storage, or other procedures not originally allowed by existing environmental permits require work to occur in or otherwise impact water or wetland resource areas, the Contractor is advised that no associated work can occur until all required environmental permits have been either amended or obtained allowing such work. The Contractor must notify the Town in writing at least 60 days prior to desired commencement of the proposed activity. All environmental submittals, including any contact with Local, State, or Federal environmental agencies, must be coordinated with the Town. The Contractor is expected to fully coordinate with requests for information and provide the same in a timely manner. The Contractor is further advised that the Town will not entertain a delay claim due to the time required to modify or obtain the environmental permits.

SPECIAL PROVISIONS

Unless otherwise amended by Special Provisions or Contract Drawings, all work and all contract bid items shall conform to the requirements of the applicable “Sections” of the *Commonwealth of Massachusetts Department of Transportation Standard Specifications for Highways and Bridges* dated 2024, and including any and all amendment’s or addenda thereto, hereinafter referred to as the “Standard Specifications”.

ITEM 103.1

BRIDGE VEGETATION REMOVAL

LUMP SUM

The work to be done under this item shall conform to the relevant provisions of Section 100 of the Standard Specifications and the following:

Work under Item 103.1, Bridge Vegetation Removal, shall consist of removal of trees, weeds, brush, roots, or any other foreign material growing on the bridge structure as called out on the plans or as directed by the Engineer. All materials removed shall become the property of the Contractor and shall be properly disposed away from the work site.

COMPENSATION

Bridge Vegetation Removal will be paid for at the Contract unit price per lump sum, which price shall include all labor, materials, equipment and incidental costs required to complete the work.

<u>ITEM 104.1</u>	<u>WATERWAY TIMBER DEBRIS REMOVAL – BRIDGE NO. N-21-001</u>	<u>LUMP SUM</u>
<u>ITEM 104.2</u>	<u>WATERWAY TIMBER DEBRIS REMOVAL – BRIDGE NO. N-21-017</u>	<u>LUMP SUM</u>

The work to be done under this item shall conform to the relevant provisions of Section 100 of the Standard Specifications and the following:

Work under Items 104.1 and 104.2, Waterway Timber Debris Removal – Bridge No. N-21-001 and Waterway Timber Debris Removal – Bridge No. N-21-017, shall consist of removal of dead trees, timber, debris, roots, stumps, or any other foreign material in the waterway which can restrict flow or potentially cause damage to the bridge structures during a high flow event as called out on the plans or as directed by the Engineer. All materials removed shall become the property of the Contractor and shall be properly disposed away from the work site.

COMPENSATION

Waterway Timber Debris Removal – Bridge No. N-21-001 and Waterway Timber Debris Removal – Bridge No. N-21-017 will be paid for at the Contract unit price per lump sum, which price shall include all labor, materials, equipment and incidental costs required to complete the work.

ITEM 127.12**REINFORCED CONCRETE EXCAVATION****CUBIC FOOT**

The work to be done under this item shall conform to the relevant provisions of Sections 112, 120 and 140 of the Standard Specifications and the following:

Work under Item 127.12, Reinforced Concrete Excavation, shall include sawcutting, excavation, and partial removal of the existing sidewalk at Bridge N-21-016 (1D1) and full removal of the existing Northeast and Southwest concrete wingwall caps at Bridge N-21-001 (1CW), as shown on the plans. The Contractor shall keep the job site secure and any necessary barrier, fencing, or other shall be considered incidental to this Item. Concrete removal for spall repairs, as shown on the plans, shall be considered incidental to Item 905.01. The limits of concrete removal shall be as indicated on the plans or as directed by the Engineer. In addition, the Contractor is required to remove all dust, loose concrete and debris encountered as part of the excavation prior to installation of the new concrete.

All concrete materials removed shall become the property of the Contractor and shall be properly disposed away from the work site.

The edges of final surfaces where concrete is to be partially removed under this Item shall be sawcut to a depth of 1 inch with an approved power saw capable of making straight cuts. Re-entrant corners shall not be allowed. All costs in connection with sawcutting shall be considered incidental to this Item.

Grit blasting equipment or other methods capable of removing rust and old concrete from exposed reinforcing steel to remain shall be used when, in the opinion of the Engineer, deemed necessary. The Engineer may reject the use of any methods or equipment that causes undue vibration or possible damage to the existing substructure.

The Contractor shall take all measures necessary to protect the final cut surface from damage. The Engineer may reject the use of any method or equipment that may cause damage to the existing substructure to remain.

The Contractor's operations shall not result in any damage to adjacent structures or foundations. Any damage to adjacent structures that are to remain that are damaged as a result of the Contractor's operations, shall be repaired by the Contractor to the satisfaction of the Engineer and at no additional expense.

The Contractor shall take all measures necessary to ensure that concrete, reinforcing steel, other demolition materials, tools and equipment will be prevented from falling into Linwood Pond, Blackstone River and Blackstone Canal and shall submit a plan, schedule and procedure for approval prior to performing the work. Any shielding used to perform this work shall be considered incidental to this item.

All materials, equipment, labor, etc. to accomplish this task shall be considered incidental to this Item.

ITEM 127.12 (Continued)

COMPENSATION

Reinforced Concrete Excavation will be measured for payment by the cubic foot, based on the limits shown on the Plans or as directed by the Engineer.

Reinforced Concrete Excavation will be paid for at the Contract unit price per cubic foot, which price shall include full compensation for all labor, materials, equipment and incidental costs required to complete the work.

ITEM 628.221 **TRANSITION TO RIGID BARRIER (SINGLE** **EACH**
FACED) – ON BRIDGE

The work to be done under this item shall conform to the relevant provisions of Sections 600 and 975 of the Standard Specifications and the following:

Work under Item 628.221, Transition to Rigid Barrier (Single Faced) – On Bridge, shall include construction of guardrail transitioning to stone masonry barrier, including fabrication, delivery and installation of new steel guardrail posts including base plates, anchor bolts, and anchor plates on the proposed wingwall caps, as shown on the plans. Coring and grouting of threaded rods into the existing stone masonry bridge parapet at the terminal connector shall be considered incidental to this item.

COMPENSATION

Transition to Rigid Barrier (Single Faced) – On Bridge will be measured and paid for at the Contract unit price per each, in place, which price shall include all labor, materials, equipment and incidental costs necessary to complete the work.

ITEM 632.01

GUARDRAIL POST – STEEL ON BRIDGE

EACH

The work to be done under this item shall conform to the relevant provisions of Subsections 630 and 975 of the Standard Specifications and the following:

Work under Item 632.01, Guardrail Post – Steel On Bridge, shall include fabrication, delivery and installation of new steel guardrail posts including base plates, anchor bolts, and anchor plates on the proposed wingwall caps, as shown on the plans. Guardrail Posts within the Transition to Rigid Barrier (Single Faced) – On Bridge limits as shown on the plans, shall be considered incidental to Item 628.221.

COMPENSATION

Guardrail Post – Steel On Bridge will be measured and paid for at the Contract unit price per each, in place, which price shall include all labor, materials, equipment and incidental costs necessary to complete the work.

ITEM 690.01**STONE MASONRY BARRIER REMOVED
AND REBUILT IN CEMENT MORTAR****CY**

The work to be done under this item shall conform to the relevant provisions of Subsection 690 of the Standard Specifications and the following:

The work under item 690.01 shall include removal and rebuilding of the existing stone masonry barrier wall to the lines and grades shown on the plans at all four (4) corners of Bridge No. N-21-001 (1CW), and as directed by the engineer. The Contractor's operations shall not result in any damage to adjacent structure that is designated to remain, beyond the limits of removal shown on the plans. Any damage to adjacent portions of the structure that are to remain that are damaged as a result of the Contractor's operations, shall be repaired by the Contractor to the satisfaction of the Engineer and at no additional expense.

Removal and repouring of the existing concrete cap, including all labor, materials, and equipment necessary to form, reinforce and pour the proposed concrete cap, is considered incidental to this item. All reinforcing shall conform to the requirements of Section M8.01.0 of the Standard Specification and be epoxy coated. All concrete for the cap shall be placed in accordance with the requirements of Subsection 901 of the Standard Specification.

COMPENSATION

Stone Masonry Barrier Wall Removed and Rebuilt in Cement Mortar will be measured by the Cubic Yard and will be paid for at the Contract unit price per Cubic Yard, which shall include all labor, materials, equipment, and incidental costs necessary to complete the work.

ITEM 697.2**FLOATING SILT FENCE****FOOT**

The work to be done under this item shall consist of installation of floating silt fence to prevent silt from polluting the waterway during construction. The floating silt fence shall be placed as indicated on the plans or as directed by the Engineer. The floating silt fence may have to be adjusted, relocated or removed and reset to accommodate construction operations. No additional compensation will be made for adjustments, relocations or resetting of the floating silt fence.

Installation shall be in accordance with the manufacturer's instructions. The Contractor shall submit the product data sheet and manufacturer's instructions to the Engineer for approval prior to any work in the waterway is to commence.

The Contractor shall check the floating silt fence daily and shall clear accumulated silt and debris as needed. The floating silt fence shall be in good working condition and shall be repaired or replaced if found not in good working condition, at the Contractor's own expense. The Contractor shall properly dispose of any accumulated silt and debris.

COMPENSATION

Floating Silt Fence will be measured by the Foot and will be paid for at the Contract unit price per Foot, which shall include all labor, materials, equipment, and incidental costs necessary to complete the work including any adjustments, removal at the completion of work and disposal of any debris.

ITEM 851.

**TEMPORARY TRAFFIC CONTROL
FOR GUARDRAIL RECONSTRUCTION**

LUMP SUM

The work under this item shall conform to the relevant provisions of Section 850 of the Standard Specifications and the following:

Before starting any work under this Contract, the Contractor shall prepare and submit to the Engineer for approval, a plan that indicates the temporary traffic control setup proposed by the Contractor, based on their means and methods, necessary for guardrail, concrete wall cap, and stone masonry barrier reconstruction on Bridge No. N-21-001 and for guardrail reconstruction on Bridge No. N-21-017.

The Contractor is responsible for ensuring that the work zone remains safe to roadway traffic during the time that the existing approach railing is removed until the proposed approach railing has been installed. At all times, the bridges shall remain passable to emergency vehicle traffic and at no time shall the travel way fall outside of MASH TL-2 protection.

All signs, temporary traffic control devices, and temporary traffic control setups shall conform to the most up to date provisions of the MUTCD and MassDOT standard temporary traffic control details. Under the proposed scope of work the use of detours for temporary traffic control shall not be acceptable.

The work shall include furnishing, installing, positioning, repositioning, and maintaining various temporary arrow boards, portable changeable message signs, temporary traffic control devices and procedures for each stage of work proposed by the Contractor's means and methods in compliance with the specifications and as directed by the Engineer.

COMPENSATION

Temporary Traffic Control for Guardrail Reconstruction will be measured for payment by the Lump Sum, complete in place.

Temporary Traffic Control for Guardrail Reconstruction will be paid for at the Contract unit price per Lump Sum, which price shall include all submittals, labor, materials, equipment and incidental costs required to complete the work.

ITEM 905.01**4000 PSI, 3/8 IN, 660 CEMENT CONCRETE****CUBIC FOOT**

This item shall conform to the relevant provisions of Subsection 901 of the Standard Specifications and the following:

The work shall include the placement of concrete for proposed wingwall caps at Bridge No. N-21-001 (1CW), as shown on the plans. Removal of the existing concrete caps shall be measured for payment under Item 127.12 Reinforced Concrete Excavation.

The work shall also include the removal of loose/unsound concrete, sawcutting and placement of cement concrete as indicated on the plans as spall repairs. Areas were generally shown on the plans, but shall be established in the field and approved by the Engineer. Repair areas shall be rectangular in shape as practically possible. The Contractor shall remove existing concrete, as necessary to make the repairs and shall be considered incidental to this Item.

The Contractor shall obtain the prior approval of the Engineer that existing concrete has been removed to the required depth and limits and that adequate surface preparation has been achieved before any concrete is placed. All formwork required shall be considered incidental to this Item.

All edges shall be sawcut to a minimum of 1 inch deep as part of the concrete removal work. Re-entrant corners shall not be allowed. Partial depth concrete excavation, if performed by electric or pneumatic hammer, shall weigh not in excess of thirty five (35) pounds and shall be approved by the Engineer in advance. #4 hooked and straight dowels (epoxy coated) shall be drilled into existing concrete as specified on the plans and grouted in place prior to filling the patch area. The depth of patch shall accommodate a 1 inch minimum clearance between the surface of remaining concrete and reinforcement hook and/or existing reinforcement. Welded wire fabric (4"x4", W4xW4) shall be securely installed 2 inches clear of the exposed concrete surface prior to filling the patch area. Welded wire fabric used for spall repairs, shall considered incidental to this Item.

Epoxy bonding compound shall be applied to the concrete, immediately prior to placing the concrete and shall be considered incidental to this Item. The bonding compound shall be applied to this clean surface by spray or by brushing, using brushes of a size and/or design that will reach the underlying concrete surface. The manner of mixing, the rate of application, and the allowable open or contact time, before placing the concrete, shall be in accordance with the recommendations of the bonding compound manufacturer. If the concrete is not placed against the bonding compound within the allowable open time, the Contractor shall follow the manufacturer's recommendations for re-application of bonding compound. Epoxy bonding compound shall be a multi-component, 100% solids, moisture insensitive, epoxy-resin system that shall be used as a bonding adhesive to bond fresh plastic concrete to sound, hardened concrete. Epoxy bonding compound shall be applied in accordance with manufacturer's recommendations and shall conform to the requirements of the Standard Specifications Section M4.05.5. Products to be used for epoxy bonding compound shall be approved by the Engineer before the Contractor begins his operations and shall be listed on MassDOT's Qualified Construction Materials List (QCML). The surface of old concrete shall be thoroughly cleaned by abrasive blasting to remove all loose particles, dust and other films. Care shall be taken in the Beam 10 north abutment bridge seat location, as to not remove concrete that could completely undermine the beam. Surface preparation for bonding new concrete to existing concrete shall include thoroughly cleaning, roughening and pre-wet the surface with clean water to saturated surface dry (SSD).

ITEM 905.01 (Continued)

All patches shall be formed such that new concrete will be smooth, flush and of a similar surface finish with the surrounding existing surface when the concrete has cured.

All reinforcing steel, encountered in the structure, shall be thoroughly cleaned and painted with a zinc-rich epoxy primer conforming to the Standard Specifications Section M7.02 before it is covered with new concrete and shall be considered incidental to this Item. Any steel damaged or otherwise made unsatisfactory by the contractor's operations shall be replaced at the contractor's expense. Any reinforcing with 25% or more section loss shall be supplemented and considered incidental to this Item.

All exposed structural steel beams shall be cleaned and painted per the relevant provisions of Section 961 of the Standard Specifications and shall be considered incidental to this Item.

4000 PSI, 3/8 IN., 660 Cement Concrete shall be mixed and placed in accordance with the relevant provisions of Section 901 of the Standard Specifications. The concrete shall be pumped or hand trowelled into the repair. Vibrators shall be of an approved design and shall be internal mechanical vibrators of a size suitable to the work at hand.

COMPENSATION

4000 PSI, 3/8 IN., 660 Cement Concrete will be measured for payment by the cubic foot, complete in place.

4000 PSI, 3/8 IN., 660 Cement Concrete will be paid for at the Contract unit price per cubic foot, which price shall include all labor, materials, equipment and incidental costs required to complete the work.

ITEM 905.02**4000 PSI, 3/8 IN, 660 CEMENT
CONCRETE - UNDERWATER****POUNDS**

This item shall conform to the relevant provisions of Subsection 901 of the Standard Specifications and the following:

GENERAL

Underwater concrete in Item 905.02 shall be placed by the pumping tremie process.

The Contractor shall submit to the Engineer a plan showing all the details of the tremie equipment, placement and procedure for approval.

No underwater placement shall be made until all concrete materials and the Contractor's placement plan have been approved.

Item 905.02 is included as a contingency for Bridge N-21-016 if, during the time of construction, repair limits necessary as shown on the plans, need to be performed underwater. The Contractor shall be responsible for performing their own site investigation regarding the water level of Linwood Pond prior to submitting their bid.

MATERIALS

All materials for underwater concrete shall meet the requirements for materials for Concrete Placed in Dry as specified in Subsection 901 of the Standard Specifications. The following additional requirements shall also apply:

Cement: Cement shall be Portland Cement Types I or II conforming to AASHTO Designation M85.

Fine Aggregate: Fine aggregate shall conform to the requirements of Section M.4.02.02 of the Standard Specifications.

Coarse Aggregate: Coarse aggregate shall consist of 3/8 inch maximum size screened gravel and shall conform to the requirements of Section M4.02.02 of the Standard Specifications.

CONCRETE PROPORTIONS

The contractor shall be responsible for the mix design, which shall be submitted to the Engineer prior to placement. The Contractor shall also have the ability to adjust the mix design in the field, if submitted mix design will not achieve flow ability to reach areas of undermining or self leveling requirements due to field conditions at time of placement.

The following weights and volumes are recommendations for proposed concrete materials for one (1) cubic yard:

ITEM 905.02 (Continued)

ITEM	WEIGHT (LBS.)	VOLUME (CU FT.)
Cement	660	3.35
Coarse Aggregate	1520	9.19
Fine Aggregate	1244	7.52
Water	317	5.08
Air Entrained	NA	
6% + -1%		27.00 cu ft
Slump 6 inches		

PLACEMENT EQUIPMENT

The Contractor shall determine the diameter of tremie pipe that will match the capacity of the pump and will provide an uninterrupted flow of the tremie concrete.

A hopper or a funnel of an adequate capacity shall be provided on top of the concrete pump to facilitate transfer of an uninterrupted flow of concrete to the tremie pipes.

PLACEMENT PROCEDURE

The Contractor shall develop a comprehensive placement procedure plan in accordance with the provisions of this specification. This plan shall be submitted to the Engineer for approval at least 14 days prior to the beginning of concrete placement.

Placement shall continue uninterrupted until the scour hole(s) is completely filled. Interruption of placement through a single tremie pipe shall not exceed 30 minutes without removal of the pipe or installing a new pipe and carrying out the restarting procedure.

The discharge end of the tremie pipe shall remain embedded in the fresh concrete at all times unless the tremie pipe is being completely removed from the water. At no time shall concrete be allowed to fall through water.

Concrete to be placed underwater shall have a minimum temperature of 40 degrees F.

INSPECTION

The Contractor shall develop an inspection plan covering locations and methods of taking soundings during placement and post-placement inspection.

ITEM 905.02 (Continued)

COMPENSATION

Item 905.02 shall be measured by the pound and shall be the actual and verified weight, complete in place and approved. The quantity shall be determined only by weight slips that have been properly countersigned by the Engineer at the time of delivery.

Item 905.02 will be paid for at the contract unit price per pound, complete in place. The contract unit price shall constitute full compensation for satisfactory performance and completion of the entire work for this item as noted on the plans and included in these Special Provisions.

ITEM 908.**CEMENT FOR POINTING****BAG**

The work to be done under this item shall consist of cleaning and pointing the existing stone masonry for the traffic side of the North spandrel wall, traffic side of the South spandrel wall and exterior of the South and North spandrel walls near keystone areas for Bridge No. N-21-001 (1CW), as shown on the plans or as directed by the Engineer.

CONSTRUCTION

Joints shall be prepared for pointing by removing all unsound mortar from the joints along with all dirt, dust, laitance, grease and other foreign matter prior to installing the pointing mortar. Joints shall be thoroughly wetted with clean water and subsequently filled with mortar. The mortar shall be driven as far as practicable into the joints. Mortar joints shall be tooled with a profile to match the profile of the mortar joints currently existing. Stone masonry must remain damp while pointing is being done. In hot weather, the pointed masonry shall be protected from the sun and kept damp for a period of at least 3 days after completion.

The mortar for the masonry shall be composed of one part cement and two parts fine aggregate by volume with sufficient water to make the mortar of such consistency that it can be handled easily and spread with a trowel. Mortar shall be mixed only in those quantities required for immediate use. Mortar not used within 45 minutes after water has been added shall be discarded. Re-tempering of mortar shall not be permitted.

The face of the stone walls shall be thoroughly cleaned of existing mortar stains and shall be kept clean until the work is completed. After the pointing is completed and the mortar set, the walls shall be thoroughly cleaned. Pointing shall not be performed in freezing weather or when the stones contain frost. All work damaged by the cold shall be removed and replaced at the expense of the Contractor.

MATERIALS

Cement for pointing shall consist of Cement Mortar meeting the requirements of Section M4.02.15 of the Standard Specifications. Portland cement shall be Type II or IIA.

COMPENSATION

Cement for Pointing shall be paid for at the Contract unit price per Bag, which price shall include all labor, materials, equipment and incidental costs required to complete the work.

ITEM 909.2 CEMENTITIOUS MORTAR FOR PATCHING SQUARE FOOT

The work under this item shall conform to the relevant provisions of Subsections 140 and 901 of the Standard Specifications and the following:

The work shall include the removal of loose/unsound concrete and placement of cementitious mortar patch as called out on the plans or as directed by the Engineer.

This item does not include the repair of any horizontal or vertical spalls which exceed 2 inches in depth. For deteriorated areas exceeding 2 inches in depth the Contractor shall excavate these areas in accordance with Item 127.12 "Reinforced Concrete Excavation" and repair these areas as shown on the Plans with Item 905.01 "4000 PSI – 3/8" – 660 Cement Concrete". The means and methods for performing such repairs shall be considered as incidental to Item 905.01.

The Contractor will perform their own investigations and will "evaluate" and mark out repair areas. Before any repairs are made, the Contractor will provide the Engineer clear access to the areas designated for repair. During this time, the Engineer will perform an inspection of the areas and will approve and/or designate the areas where repair will be required. It shall be the responsibility of the Contractor to inform the Engineer, in writing, of the date that a structure(s) will be available for inspection operations. Notification shall be given to the Engineer at least seven (7) days prior to the date that the area in question will be in a condition acceptable to the Engineer.

The Contractor will not be allowed to do any repair work until all necessary inspection operations have been performed, unless given permission by the Engineer. The Contractor will include any costs related to this inspection in the general cost of the work.

The Contractor shall furnish to the Engineer samples of materials proposed for use at least six weeks prior to scheduled use.

MATERIAL

The cementitious mortar material used to repair/patch concrete surfaces for this Item shall be a polymer-modified, cementitious, 2-component, fast-setting, trowel grade patching mortar to patch vertical surfaces. The materials shall be delivered to the site clearly marked with legible and intact labels containing the manufacturer's name, brand name, and identifications of the temperatures that conform to the manufacturer's recommendations and instructions.

All materials for patching shall be from MassDOT's Qualified Construction Materials List (QCML).

CONSTRUCTION METHODS

Prior to the placement of the patch material, the concrete shall receive a coating of epoxy bonding compound conforming to M4.05.5 – Type V, and as listed on the MassDOT Qualified Construction Materials List. The grade and viscosity of the bonding compound shall be as required based on site conditions or as determined by the Engineer. Fill the patch area with mortar and finish the patch area as required in maximum 1" lifts. All materials removed in this repair shall become the property of the Contractor and shall be disposed of away from the work site.

The preparation, mixing, application and curing of the cementitious mortar shall be in accordance with the manufacturer's recommendations.

ITEM 909.2 (Continued)

The Contractor shall arrange with the material's manufacturer or distributor to have services of a competent field representative at the work site prior to any mixing of components to instruct the work crews in the proper mixing and application procedures. The field representative shall remain at the job site after work commences and continue to instruct until the representative and the Contractor, Inspector and/or Engineer are satisfied that the crew has mastered the technique of installing the system successfully. The representative shall make periodic visits to the project as the work progresses and shall confer on each visit with the Contractor, Inspector and/or Engineer.

The manufacturer's field representative must be fully qualified to instruct the field crews in performance of the work and shall be subject to the approval of the Engineer. The Contractor shall be responsible for the expense of the services of the required field representative and the bid contract price shall be full compensation for all costs in connection therewith.

COMPENSATION

Cementitious Mortar for Patching will be measured for payment by the square foot of repair, complete in place, regardless of depth.

Cementitious Mortar for Patching will be paid for at the Contract unit price per square foot, which price shall include all labor, materials, equipment and incidental costs required to complete the work including the excavation and removal of unsound concrete.

ITEM 909.22**CEMENTITIOUS MORTAR FOR
PATCHING - UNDERWATER****CUBIC FOOT**

The work under this item shall conform to the relevant provisions of Subsection 901 of the Standard Specifications and the following:

The work shall include placement of underwater cementitious mortar patch as called out on the plans or as directed by the Engineer. All surfaces to be patched shall have all loose, delaminated concrete, oil, laitance and other contaminants removed.

MATERIAL

The cementitious mortar material used to repair/patch concrete surfaces for this Item shall be a pre-packaged cement – based mortar suitable for hand placement underwater requiring only the addition of potable water. The Contractor shall submit the selected material to the Engineer for approval. The material shall not contain any chlorides or lime other than amounts contained with the hydraulic cement composition.

CONSTRUCTION METHODS

The preparation, mixing, application and curing of the cementitious mortar shall be in accordance with the manufacturer's recommendations.

The Contractor shall arrange with the material's manufacturer or distributor to have services of a competent field representative at the work site prior to any mixing of components to instruct the work crews in the proper mixing and application procedures. The field representative shall remain at the job site after work commences and continue to instruct until the representative and the Contractor, Inspector and/or Engineer are satisfied that the crew has mastered the technique of installing the system successfully. The representative shall make periodic visits to the project as the work progresses and shall confer on each visit with the Contractor, Inspector and/or Engineer.

The manufacturer's field representative must be fully qualified to instruct the field crews in performance of the work and shall be subject to the approval of the Engineer. The Contractor shall be responsible for the expense of the services of the required field representative and the bid contract price shall be full compensation for all costs in connection therewith.

COMPENSATION

Cementitious Mortar for Patching – Underwater will be measured for payment by the cubic foot of repair, complete in place.

Cementitious Mortar for Patching – Underwater will be paid for at the Contract unit price per cubic foot, which price shall include all labor, materials, equipment and incidental costs required to complete the work including the excavation and removal of unsound concrete.

ITEM 909.31**NON-SHRINK GROUT****CUBIC FOOT**

Work under this Item shall conform to the applicable provisions of Subsection 901 of the Standard Specifications and specific requirements stipulated below for component parts of the subject Item. For those component parts where no specific requirement is stipulated, the Standard Specifications shall apply.

Work under this Item shall include all materials, equipment and labor needed to construct the following:

- Leveling pad along existing Northeast and Southwest wingwalls, Bridge N-21-001 (1CW)
- Void in South Abutment bridge seat adjacent to Beam 10, Bridge N-21-016 (1D1)

The Non-Shrink Grout shall be from the MassDOT Qualified Construction Materials List and conform to the following ASTM Standards:

1. ASTM C 1107 – Standard Specifications for Packaged Dry, Hydraulic-Cement Grout (nonshrink)
2. ASTM C 109 – Specifications for non-shrink grout
3. ASTM C 266 – Standard Test for Compressive Strength of Hydraulic Cement Mortars
4. ASTM C 232 – Standard Method for Test for Bleeding of Concrete
5. ASTM C 157 – Standard Test Method for Length Change of Hardened Hydraulic-Cement Mortar and Concrete

The grout selected for the leveling pad along the existing wingwalls of Bridge N-21-001 (1CW) shall have a flowable or fluid viscosity and will contain no stone aggregate. The Contractor shall take precautions to ensure that all grout is contained within the formwork and does not spill down the existing stone masonry wingwall or into the Blackstone River. Installation of the grout leveling pads shall be performed based on manufacturer recommendations, and as approved by the Engineer. A grout placement procedure shall be submitted to the Engineer for approval prior to any work being performed in the field.

The grout selected to fill the void in the abutment at Bridge N-21-016 (1D1) shall have a flowable or fluid viscosity and will contain no stone aggregate. The grout shall be injected into the void thru a tremie grout tube and placed with minimal pressure. The Contractor shall take precautions to ensure no excess grout or water is discharged into the pond and is contained within the work area.

COMPENSATION

Non-Shrink Grout will be measured for payment by the cubic foot, complete in place.

Non-Shrink Grout will be paid for at the Contract unit price per cubic foot, which price shall include all labor, materials, equipment and incidental costs required to complete the work.

ITEM 912.4
ITEM 912.6**DRILLED AND GROUTED #4 DOWELS**
DRILLED AND GROUTED #6 DOWELS**EACH**
EACH

The work to be done under Item 912.4, Drilled and Grouted #4 Dowels and Item 912.6, Drilled and Grouted #6 Dowels shall consist of drilling and grouting holes, as shown on the plans, in the existing abutment, stone masonry barrier, and wingwalls for Bridge Nos. N-21-001 (1CW) and N-21-016 (1D1). The embedment length, the method and equipment used to drill the holes, and the diameter of the drill hole shall at a minimum conform to the recommendations of the manufacturer, as shown on the plans and be submitted to the Engineer for approval.

#4 dowels are required to secure the proposed repairs and maintain a positive connection to the existing concrete to remain, as shown on the plans for Bridge N-21-016 (1D1). Additionally, #4 dowels are required to secure the proposed capstone to the existing stone masonry barrier and #6 dowels are required to secure the proposed concrete cap to the existing stone masonry wingwall, as shown on the plans for Bridge N-21-001 (1CW). Approximate drill hole diameter and embedment depth are listed on the plans and shall be adjusted in accordance with the following:

MATERIALS

The grout to be used for these dowels shall be from the MassDOT Qualified Construction Materials List. Epoxy, vinyl, or polyester resin adhesives shall not be utilized except in accordance with MassDOT Engineering Directive E-10-001.

Reinforcing steel dowels shall meet the requirements of AASHTO M31 Grade 60 and be epoxy coated. Reinforcing steel dowels shall be incidental to the work under this Item.

CONSTRUCTION METHODS

All dowel holes into existing concrete or stone masonry substructures shall be drilled with a diamond tipped bit. Impact and percussion type drills will require prior approval of the Engineer. The inner surfaces of the dowel holes shall be scored to develop sufficient keying action. The method of scoring of the dowel hole's inner surfaces shall be subject to the approval of Engineer. Holes shall be blown clear of any debris and must have the approval of the Engineer prior to the placement of any grout material.

The drilling operation shall be performed without damage to any portion of the existing structure that is to remain in place. Any damage to any portion of the existing structure that is to remain in place shall be repaired to a condition equal to or better than that existing prior to the beginning of the Contractor's operations and shall be repaired at the Contractor's expense.

The Contractor shall strictly follow the recommendations of the manufacturer for mixing and placing the grout material prior to the placement of the dowels. The Contractor shall, at a minimum, adhere to the ACI code requirements regarding minimum and maximum temperatures while placing the grout. Any excessive grout around the hole after placement of the dowel shall be struck off smooth while the grout is still fresh.

The Contractor shall arrange with the materials manufacturer or distributor to have the services of a competent field representative at the work site prior to any drilling of the proposed dowel holes to instruct the work crews in proper dowel installation procedures.

ITEM 912.4 (Continued)

ITEM 912.6 (Continued)

The field representative shall remain at the job site after work commences and continue to instruct until the representative, the Contractor and the Engineer are satisfied that the crew has obtained a competent working knowledge of the technique of installing the dowels successfully. The representative shall make periodic visits to the project as the work progresses and shall confer on

each visit with the Contractor, Inspector and/or Engineer. The manufacturer's field representative must be fully qualified to perform the work and shall be subject to the approval of the Engineer.

The Contractor shall be completely responsible for the expense of the services of the required field representative and the Contract Unit Price shall be considered as full compensation for all costs in connections therewith.

The Contractor shall have no claim for any variation in the diameter of the hole, the method of drilling the hole, or the type of grout used in anchoring the proposed dowels.

COMPENSATION

Drilled and Grouted #4 Dowels and Drilled and Grouted #6 Dowels will be measured for payment by each dowel hole drilled and grouted regardless of the diameter or depth of the hole.

Drilled and Grouted #4 Dowels and Drilled and Grouted #6 Dowels will be paid for at the Contract unit price per each, which price shall include all labor, materials, equipment and incidental costs required to complete the work.

ITEM 950.2**TEMPORARY FALSEWORK****LUMP SUM**

The work under this item shall conform to the relevant provisions of Subsections 901 and 960 of the Standard Specifications and the following:

Work shall include all materials, equipment and labor needed to design, install, and remove necessary temporary support for Beam 10 for Bridge N-21-016 (1D1) during concrete spall repair operations as shown on the plans or directed by the Engineer. All temporary materials used in the support system shall become the property of the Contractor and shall be removed from the site at the completion of work.

The Contractor shall be solely responsible for maintaining the stability of the existing structure at all times during construction activities. The Contractor shall submit to the Engineer for approval a proposed temporary support plan a minimum of 14 days prior to commencing work. The plan shall include all necessary drawings, including material callouts and installation locations, and calculations (if necessary). No concrete spall repair work shall be performed prior to receiving approval of the methods of temporary support from the Engineer.

COMPENSATION

Temporary Falsework will be measured for payment by the Lump Sum.

Temporary Falsework will be paid for at the Contract unit price per Lump Sum, which price shall include all labor, materials, equipment and incidental costs required to complete the work to the satisfaction of the Engineer.

ITEM 999.01

POLICE DETAIL (ALLOCATION)

HOOR

The Contractor shall be responsible for maintenance of traffic and protection of the work site at all times.

The Northbridge police Chief will determine when a detail is necessary. The Town of Northbridge requires a police detail when work is performed on streets or sidewalks in the Town of Northbridge. Police details will be utilized for public safety throughout the project.

The Contractor shall be responsible for scheduling and cancelling detail officers due to weather, schedule, conflicts, etc. This schedule request must be coordinated with the Town of Northbridge Police Department directly and shared with the Northbridge Department of Public Works for informational purposes.

The Contractor shall not be reimbursed for police details at times where work has been postponed, cancelled or otherwise not performed.

BASIS OF PAYMENT

The bid allocation for Item 999.01 shall be considered an allowance of funds available to compensate for police details. The allowance price set is merely an estimate of the total cost of police details.

Payment under this item shall be made for the actual invoiced cost of police details. The Contractor will make payment directly to the Town of Northbridge Police Department. All Police Detail costs must be paid in full by the Contractor prior to the Town's approval of final payment invoice under this contract. Reimbursement for allowed Police Detail costs shall be made upon presentation of receipts for payments to the Northbridge Police Department.

The scheduling and administering of police details shall be considered incidental to all associated work activity in this Contract with no additional compensation provided to the Contractor.

The Town shall have the right, at the Town's election, to deduct from the Contractor any payment amounts past due to the Police Department to reimburse the Police Department directly.

APPENDIX A

**PLANS, NOTES
AND
DETAILS**

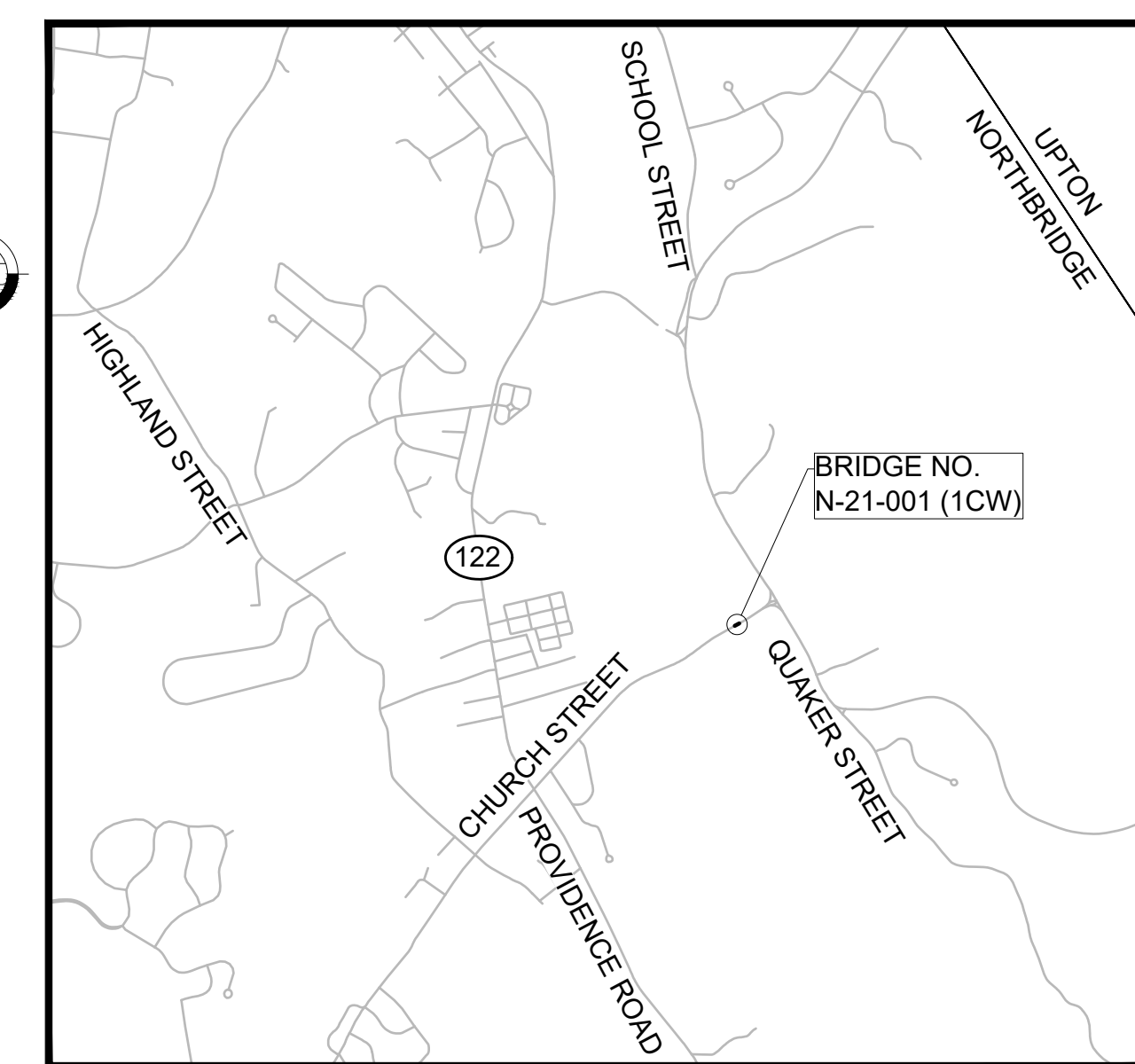
NORTHBRIDGE CHURCH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N/A	1	7
PROJECT FILE NO.		N/A	

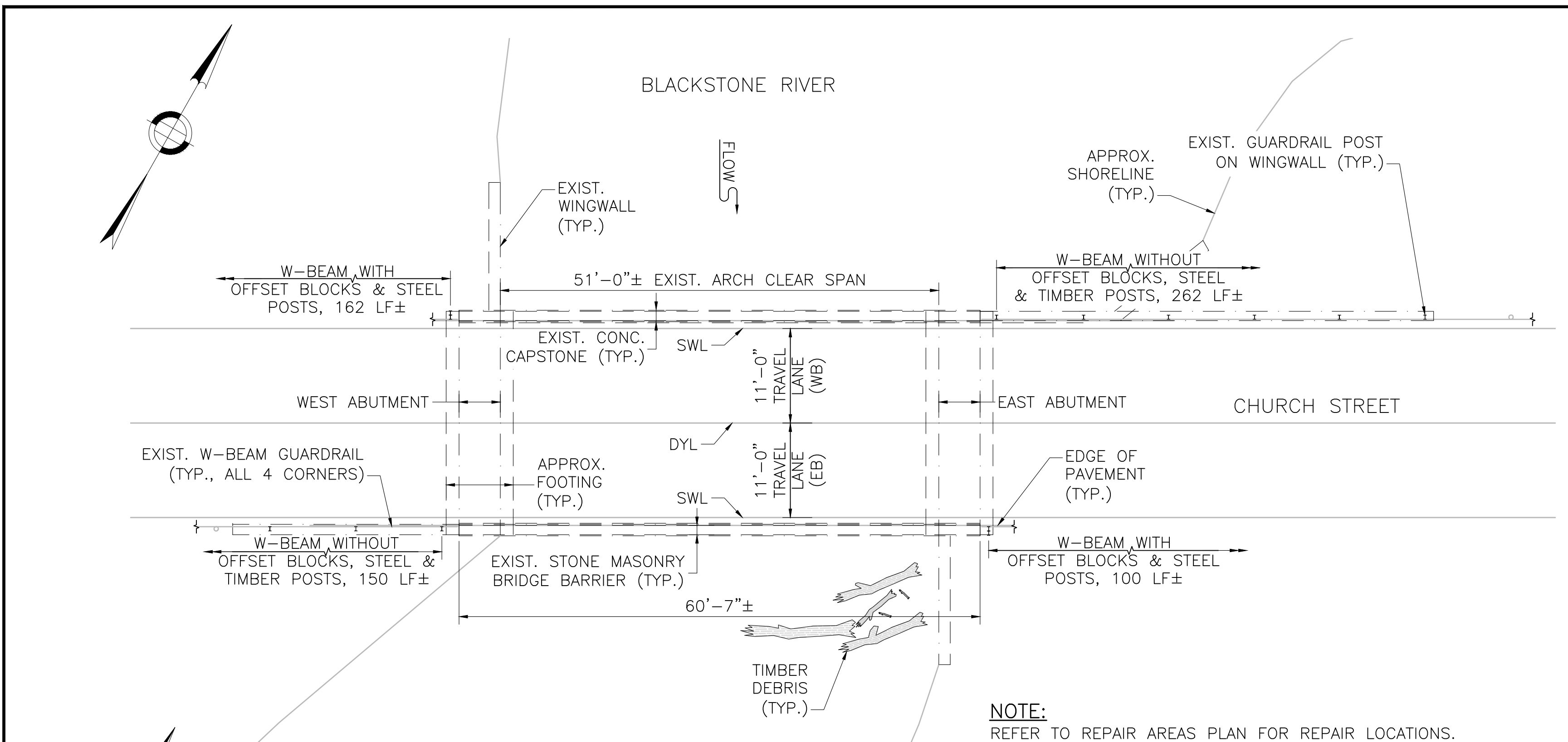
KEY PLAN, LOCUS MAP & GENERAL NOTES

GENERAL NOTES

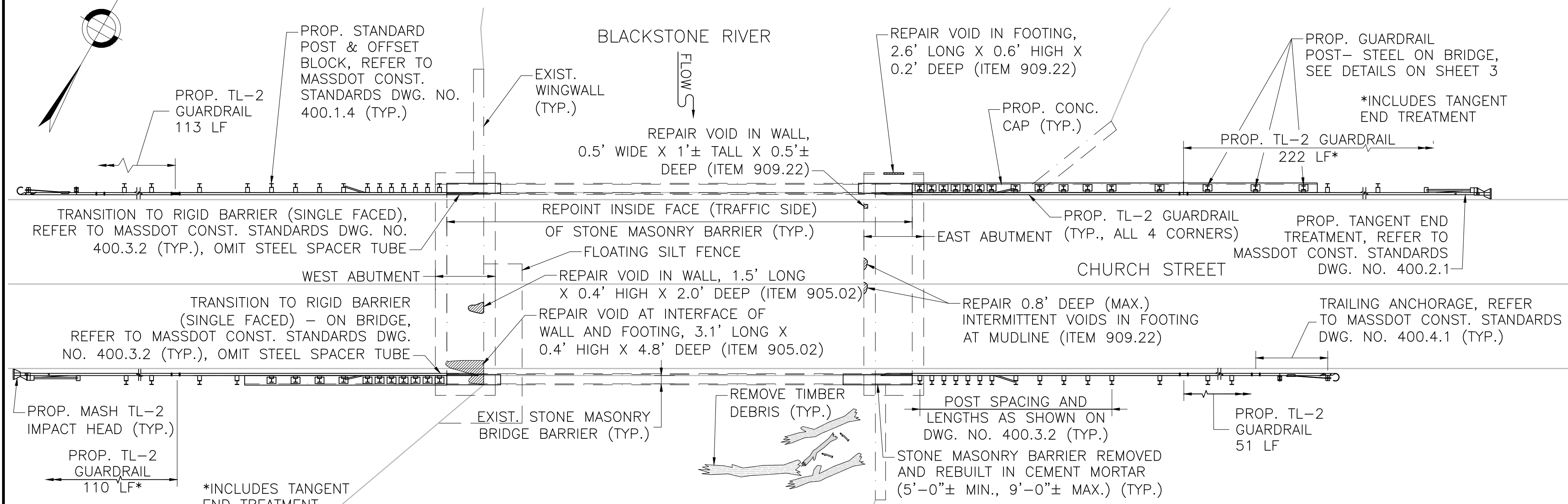
- THE REPAIRS DEPICTED IN THESE DESIGN PLANS ARE INTENDED ONLY TO RESTORE THE CRITICALLY DETERIORATED AREAS OF THE BRIDGE IDENTIFIED ON THE PLANS.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE RELEVANT PROVISIONS OF THE 2021 COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
- THESE REPAIR PLANS WERE DRAWN WITHOUT GROUND SURVEY. LOCATIONS OF ELEMENTS SHOWN ARE SCHEMATIC FOR THE CONTRACTOR TO LOCATE REPAIR AREAS.
- DIMENSIONS OF THE BRIDGE SHOWN WERE TAKEN FROM THE JUNE 2008 BRIDGE RATING REPORT AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL DETERMINE AND ESTABLISH ALL DIMENSIONS AND DETAILS NECESSARY FOR COMPLETION OF ALL THE WORK BY FIELD MEASUREMENT. THE CONTRACTOR SHALL BE RESPONSIBLE AND NOT ORDER ANY MATERIAL OR COMMENCE ANY FABRICATION UNTIL THEY HAVE TAKEN FIELD MEASUREMENTS ON THE ACTUAL STRUCTURE.
- ALL REINFORCING BARS SHALL BE EPOXY COATED AND CONFORM TO THE REQUIREMENTS OF AASHTO M31 GRADE 60.
- CONCRETE USED FOR REPAIRS AND PROPOSED WALL CAP SHALL BE 4000 PSI, 3/8 IN., 660 CEMENT CONCRETE (ITEMS 905.01 AND 905.02) AND BE A MASSDOT APPROVED MIX DESIGN.
- SCALES AS NOTED ON THE PLANS ARE NOT APPLICABLE TO REDUCED SIZE PRINTS. DIVIDE SCALES BY 2 FOR HALF-SIZE PRINTS (A3).



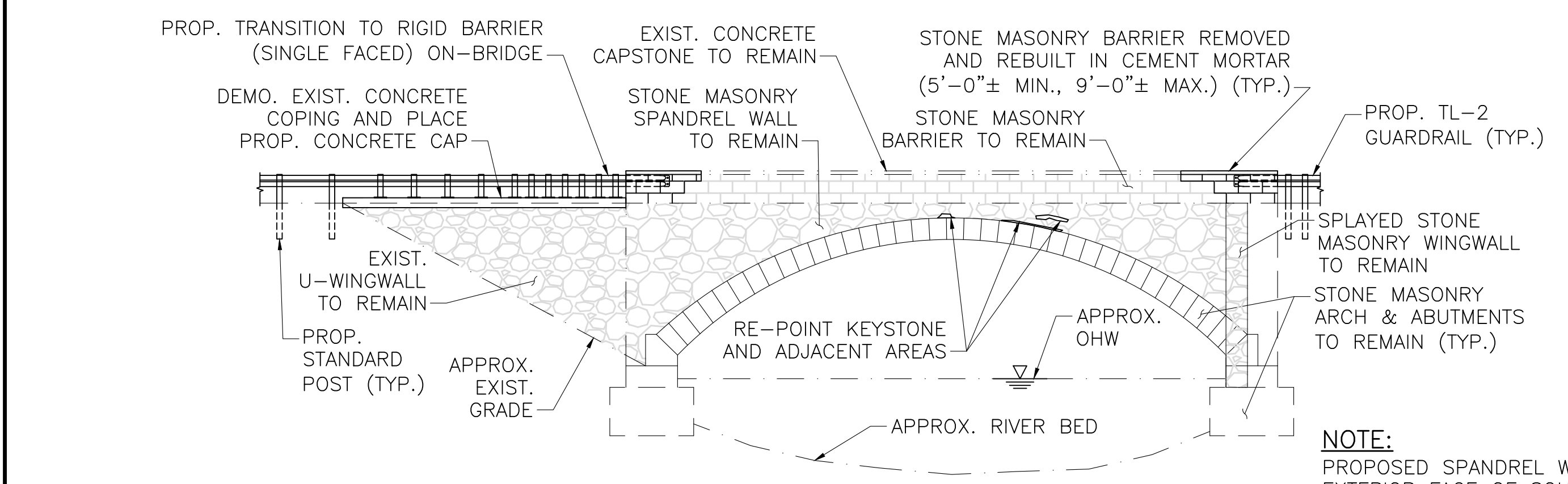
LOCUS MAP
SCALE: 1" = 2000'



EXISTING PLAN
SCALE: 1" = 10'



REPAIR AREAS PLAN
SCALE: 1" = 10'



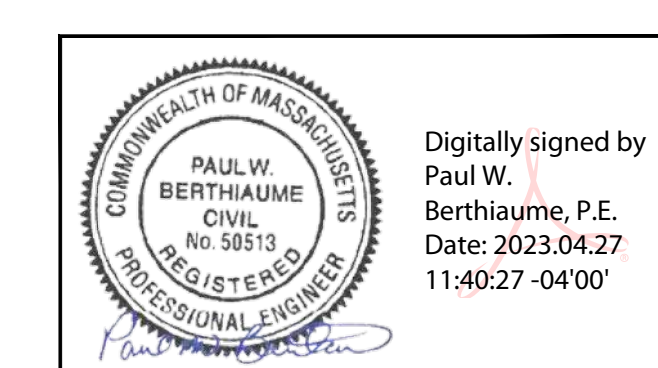
SOUTH ELEVATION
SCALE: 1" = 10'

INDEX OF BRIDGE SHEETS

- KEY PLAN, LOCUS MAP & GENERAL NOTES
- REPAIR DETAILS
- RAILING DETAILS

ESTIMATED QUANTITIES (NOT GUARANTEED)

ITEM DESCRIPTION	QUANTITY	UNIT
WATERWAY TIMBER DEBRIS REMOVAL - BRIDGE NO. N-21-001	1	LS
REINFORCED CONCRETE EXCAVATION	95	CF
HMA FOR PATCHING	10	TON
GUARDRAIL, TL-2 (SINGLE FACED)	496	FT
TRAILING ANCHORAGE	2	EA
GUARDRAIL TANGENT END TREATMENT, TL-2	2	EA
TRANSITION TO RIGID BARRIER (SINGLE FACED)	2	EA
TRANSITION TO RIGID BARRIER (SINGLE FACED) - ON BRIDGE	2	EA
HIGHWAY GUARD REMOVED AND DISCARDED	680	FT
GUARDRAIL POST - STEEL ON BRIDGE	3	EA
STONE MASONRY BARRIER REMOVED AND REBUILT IN CEMENT MORTAR	5	CY
FLOATING SILT FENCE	40	FT
MOBILIZATION	1	LS
TEMPORARY TRAFFIC CONTROL FOR GUARDRAIL RECONSTRUCTION	1	LS
TRAFFIC CONES FOR TRAFFIC MANAGEMENT	10	DAY
4000 PSI, 3/8 IN., 660 CEMENT CONCRETE	527.135	CF
4000 PSI, 3/8 IN., 660 CEMENT CONCRETE - UNDERWATER	1345	LB
CEMENT FOR POINTING	14	BAG
CEMENTITIOUS MORTAR FOR PATCHING - UNDERWATER	1	CF
NON-SHRINK GROUT	30	CF
STEEL REINFORCEMENT FOR STRUCTURES - EPOXY COATED	225	LB
DRILLED AND GROUTED #4 DOWELS	8	EA
DRILLED AND GROUTED #6 DOWELS	108	EA



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Boston, MA 02108
www.hshassoc.com

COMMONWEALTH OF MASSACHUSETTS
MassDOT, Highway Division
APPROVED UNDER PROVISIONS OF
MASS. GEN. LAWS CH 85 S 35
5/19/2023
STATE BRIDGE ENGINEER DATE

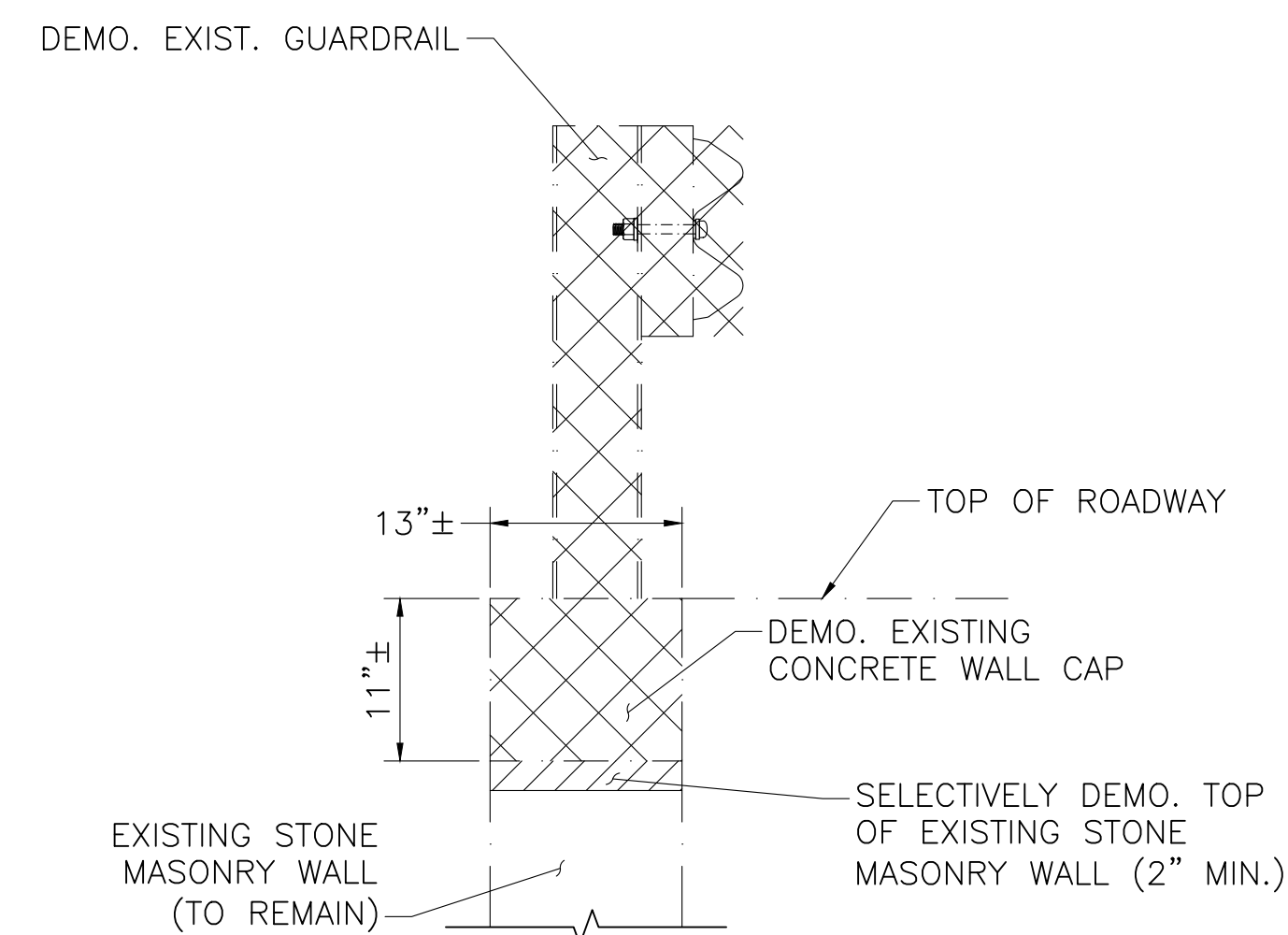
JUNE 4, 2024 ESTIMATED QUANTITIES AND NOTE 2 REV.
APRIL 27, 2023 ISSUED FOR CONSTRUCTION

PROPOSED BRIDGE REPAIRS
NORTHBRIDGE
CHURCH STREET
OVER BLACKSTONE RIVER
TOWN OF NORTHBRIDGE
DEPARTMENT OF PUBLIC WORKS
11 FLETCHER STREET WHITINSVILLE, MASS

**NORTHBRIDGE
CHURCH STREET**

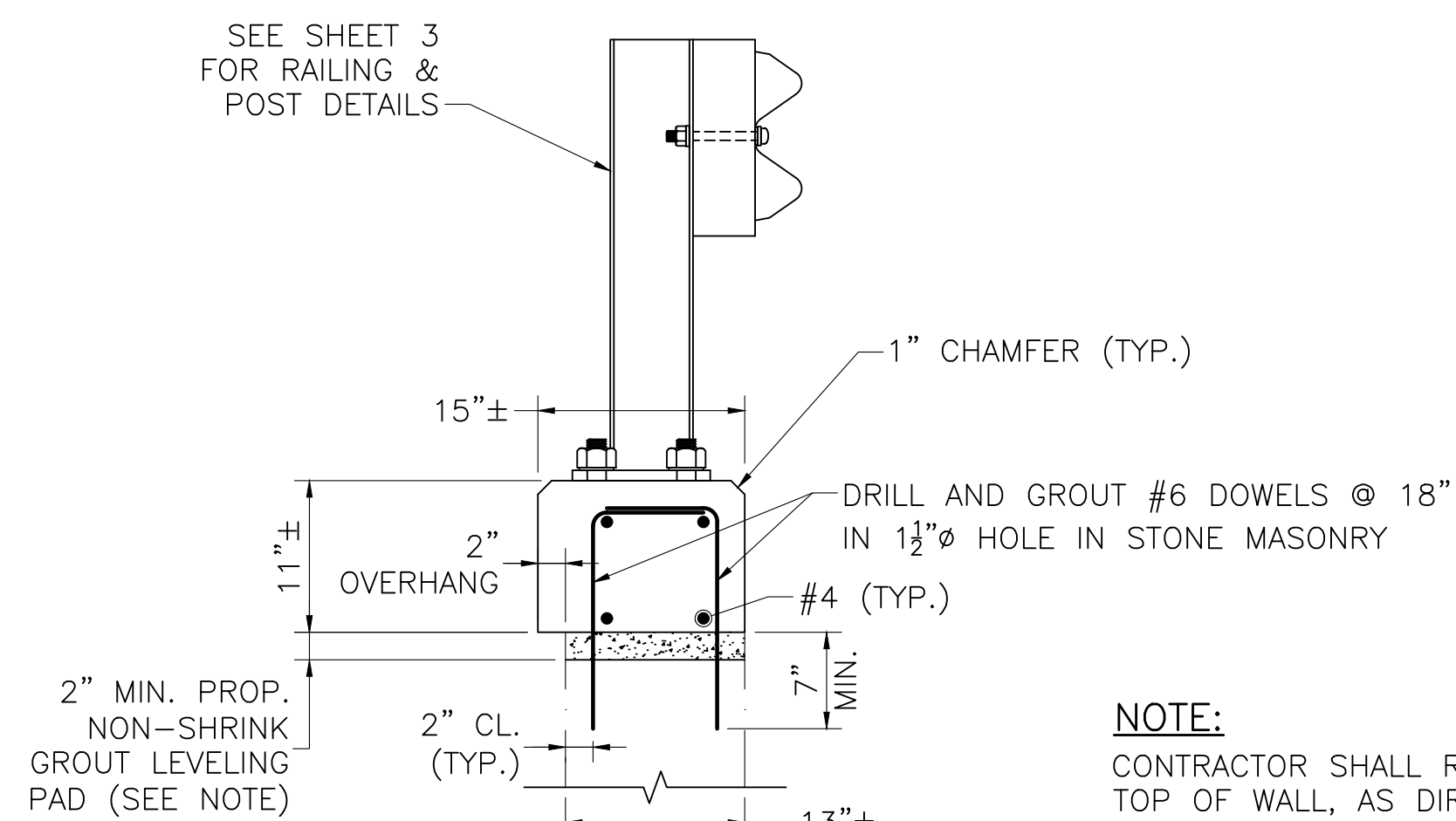
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N/A	2	7
PROJECT FILE NO.		N/A	

REPAIR DETAILS



DEMOLITION LIMITS

SCALE: 1" = 1'-0"

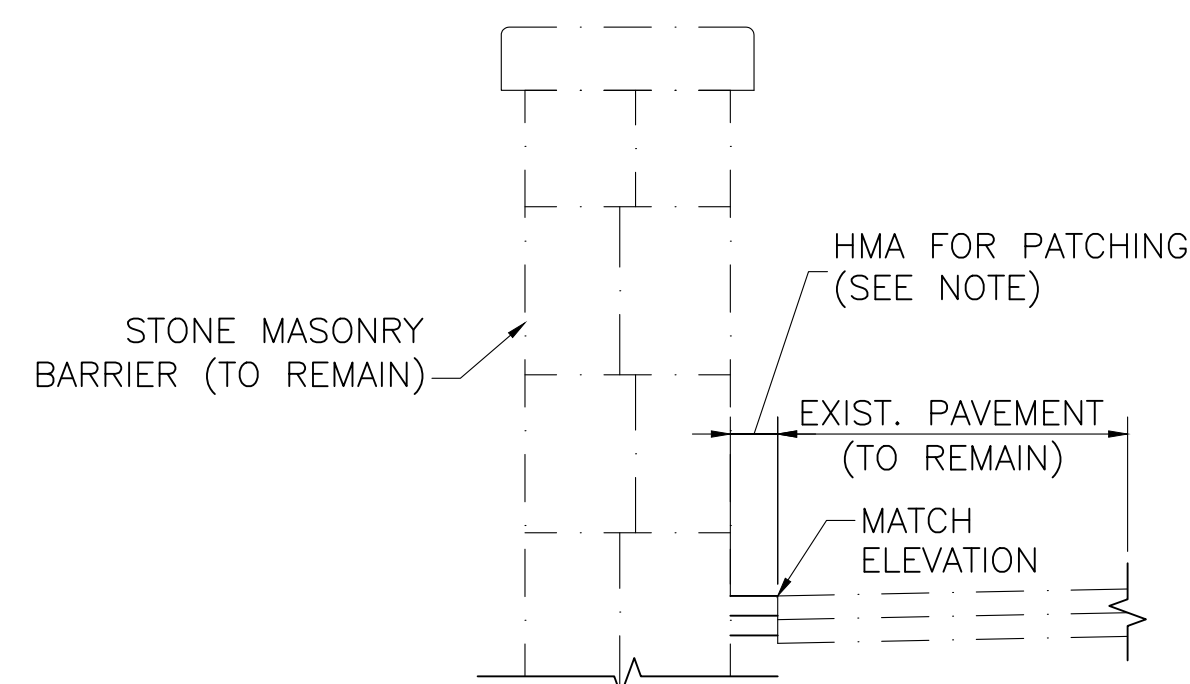


WALL CAP REPAIR DETAIL

SCALE: 1" = 1'-0"

NOTE:

CONTRACTOR SHALL REMOVE SMALL AND LOOSE STONES AT TOP OF WALL, AS DIRECTED BY THE ENGINEER, AND POUR A 2" MINIMUM NON-SHRINK GROUT LEVELING PAD TO FACILITATE DOWEL BAR INSTALLATION. SELECTED GROUT SHALL BE ON THE MASSDOT QUALIFIED CONSTRUCTION MATERIALS LIST (QCML).

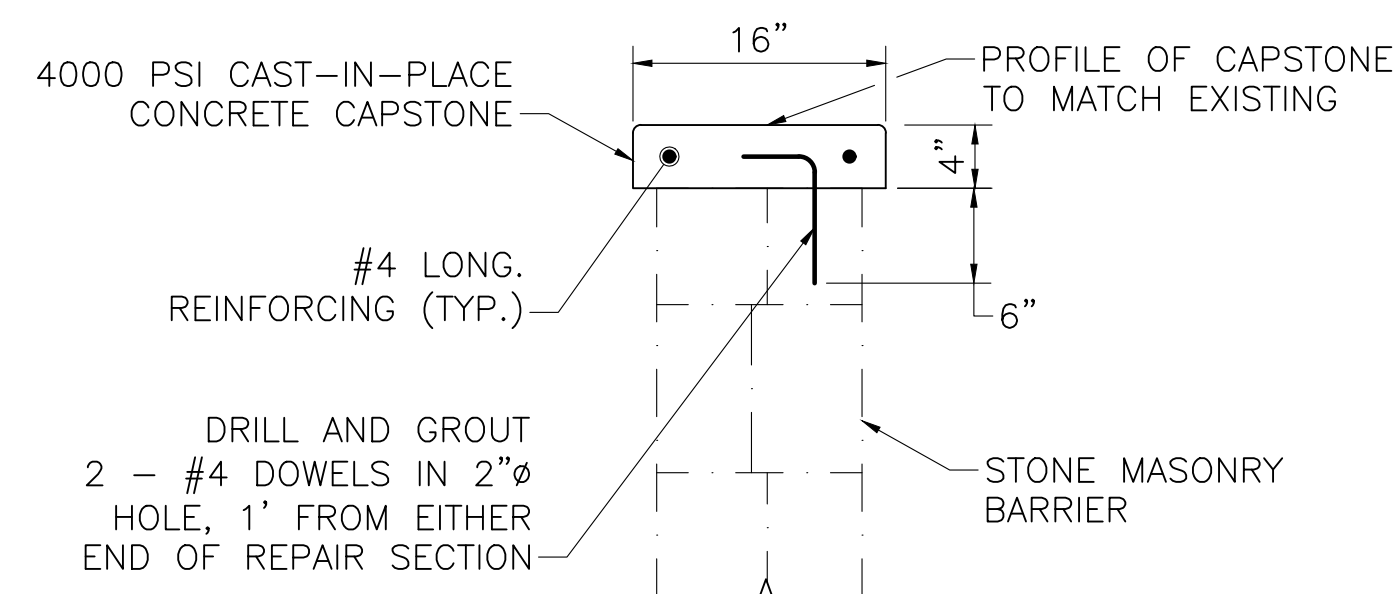


GUTTERLINE REPAIR DETAIL

SCALE: 1" = 1'-0"

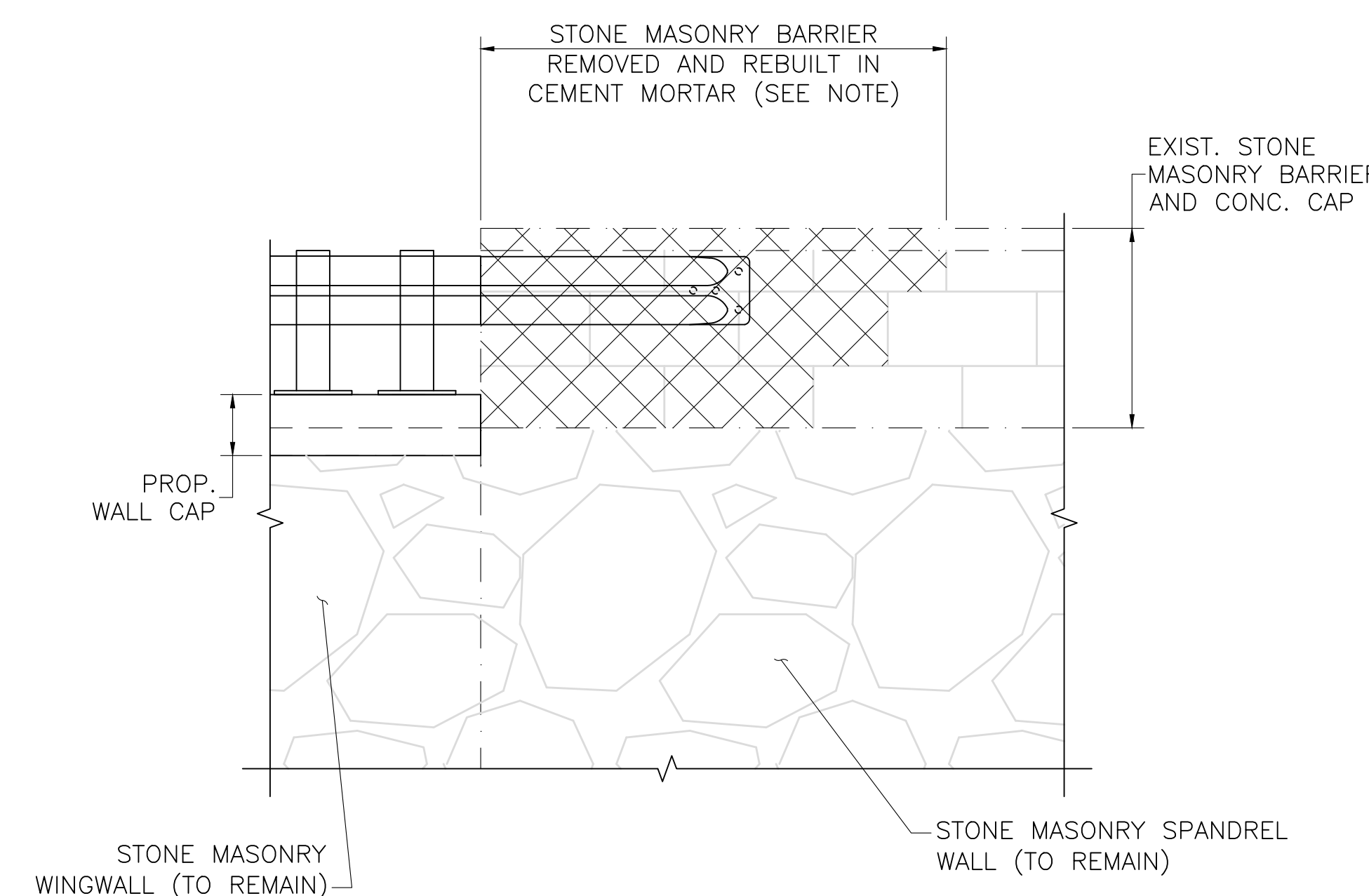
NOTE:

REMOVE EXISTING VEGETATION AND GRAVEL (WIDTH VARIES) TO A DEPTH OF APPROXIMATELY 2 1/2" AND INSTALL HMA FOR PATCHING AT BRIDGE GUTTERLINES.



CAPSTONE REPAIR DETAIL

SCALE: 1" = 1'-0"

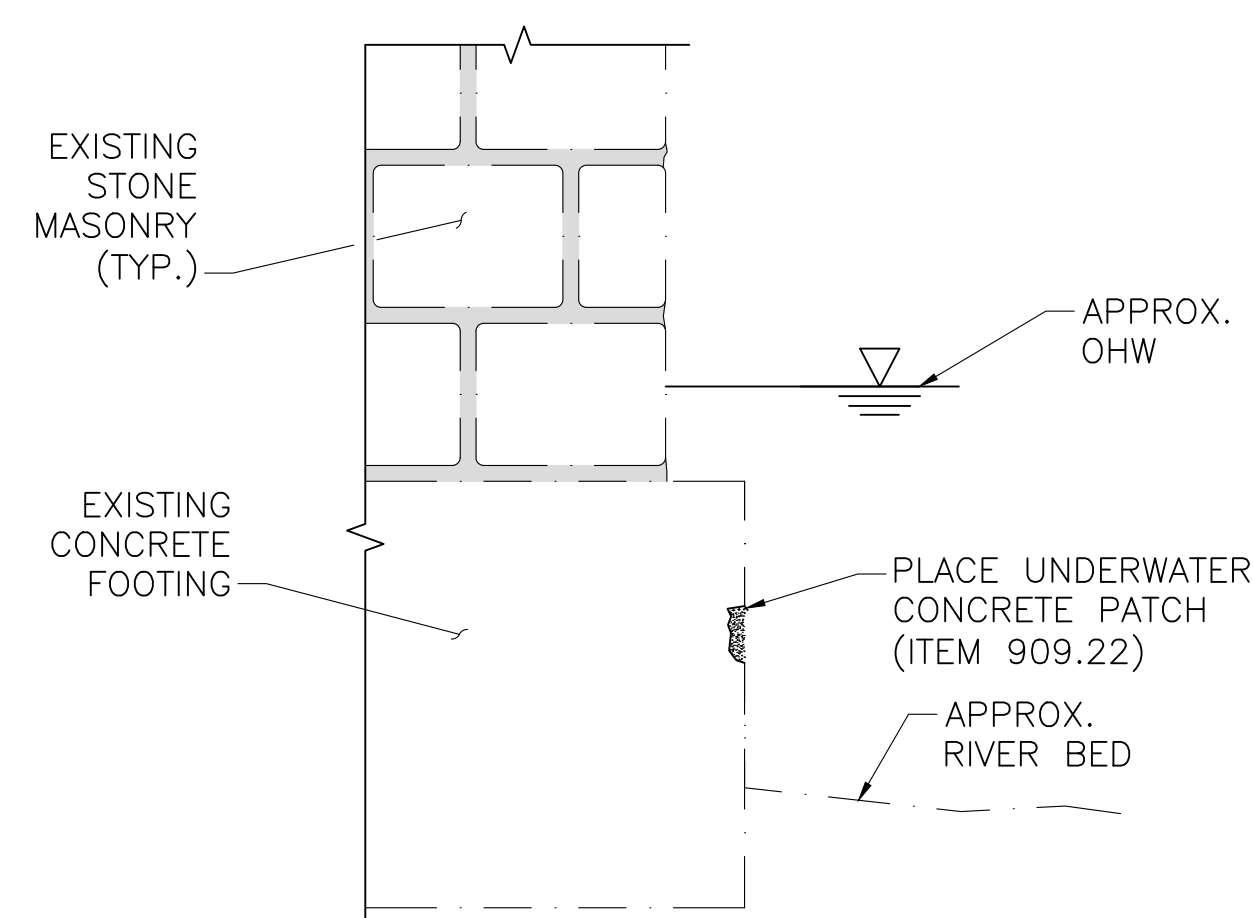


NOTE:

EXISTING STONE MASONRY BARRIER IS UP TO 4" (MAX) OUT OF PLUMB. CONTRACTOR SHALL REMOVE AND REBUILD (5'-0" MIN., 9'-0" MAX.) THE STONE MASONRY BARRIER AND CONCRETE CAP TO BE PLUMB AT ALL 4 CORNERS TO ALLOW FOR GUARDRAIL CONNECTION.

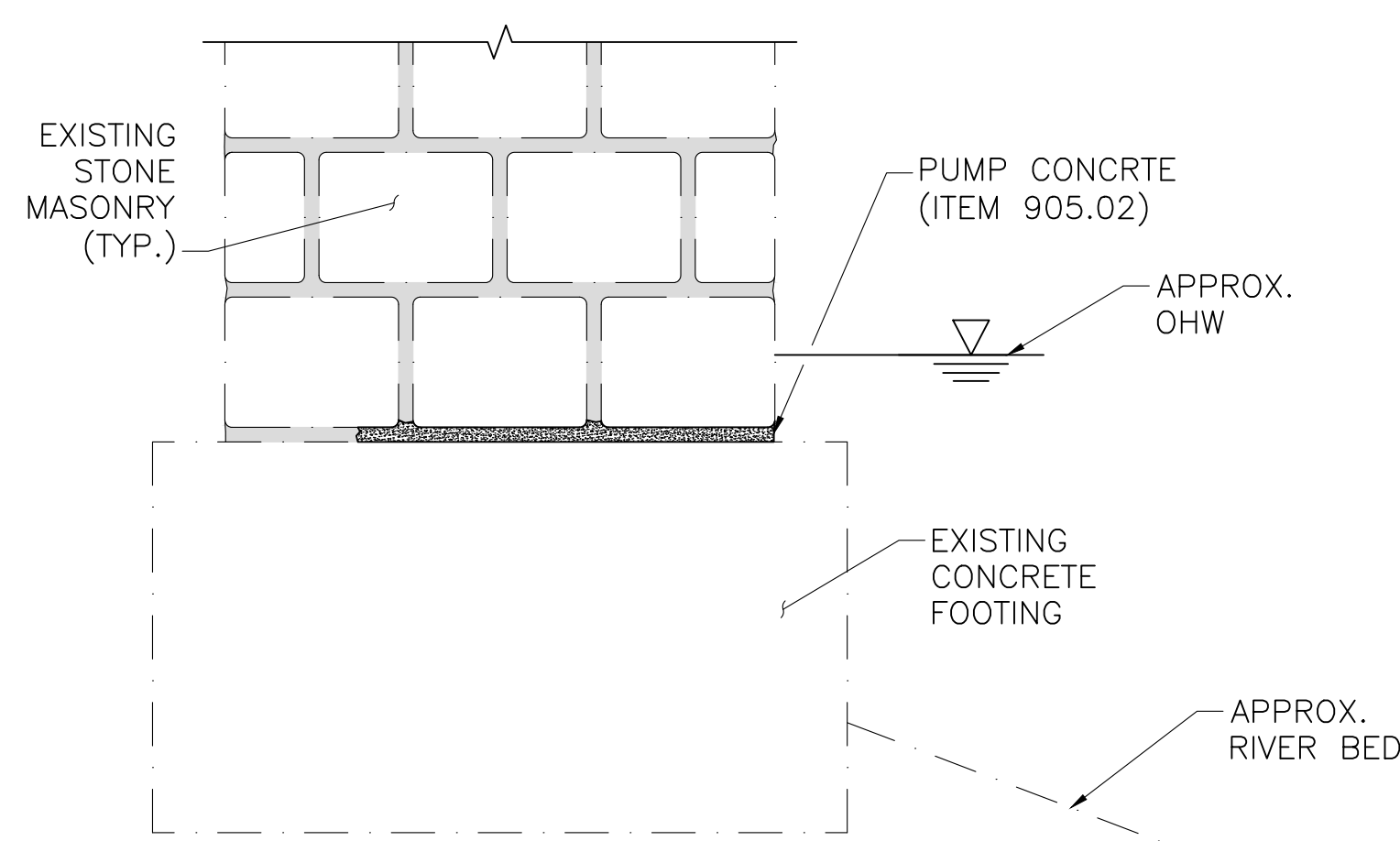
BARRIER REPAIR DETAIL

SCALE: 1/2" = 1'-0"



FOOTING REPAIR DETAIL

NOT TO SCALE



VOID REPAIR DETAIL

NOT TO SCALE

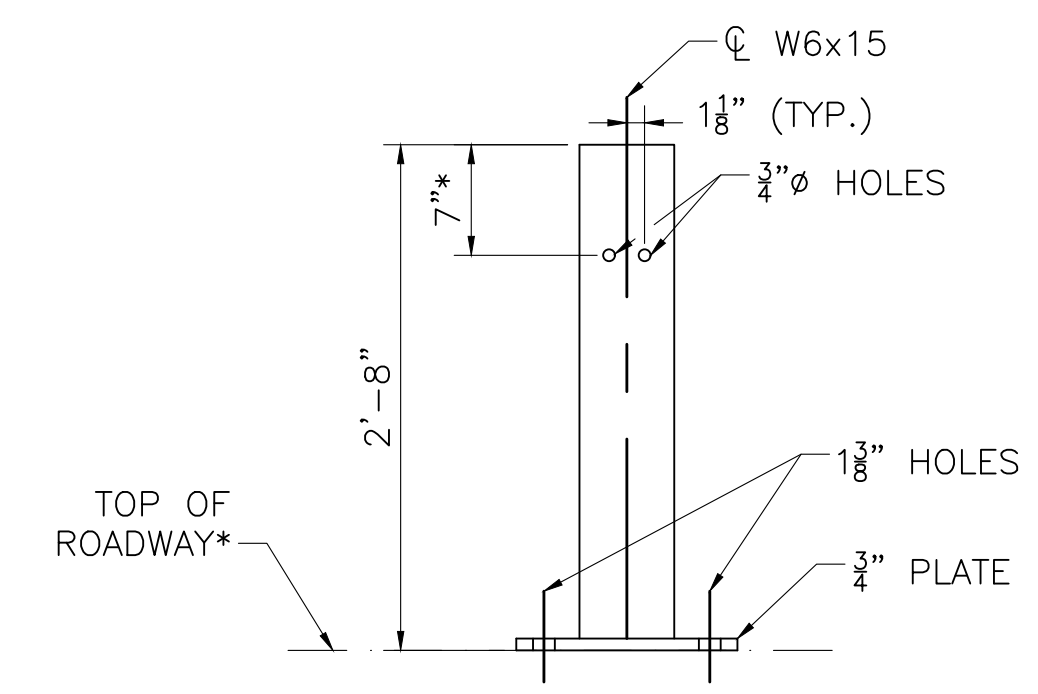
COMMONWEALTH OF MASSACHUSETTS
MassDOT, Highway Division
APPROVED UNDER PROVISIONS OF
MASS. GEN. LAWS CH 85 S 35
[Signature] 5/19/2023
STATE BRIDGE ENGINEER DATE

DATE	DESCRIPTION
APRIL 27, 2023	ISSUED FOR CONSTRUCTION
USE ONLY PRINTS OF LATEST DATE	

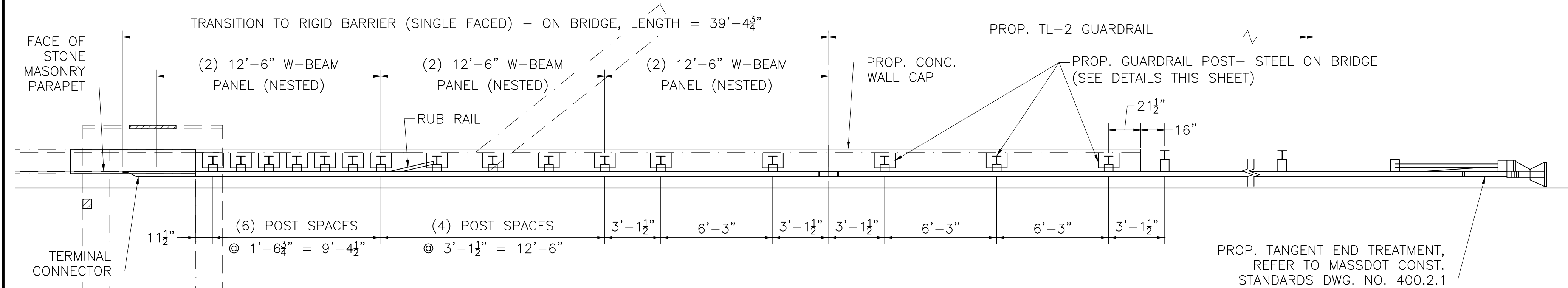
**NORTHBRIDGE
CHURCH STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N/A	3	7
PROJECT FILE NO.		N/A	

RAILING DETAILS

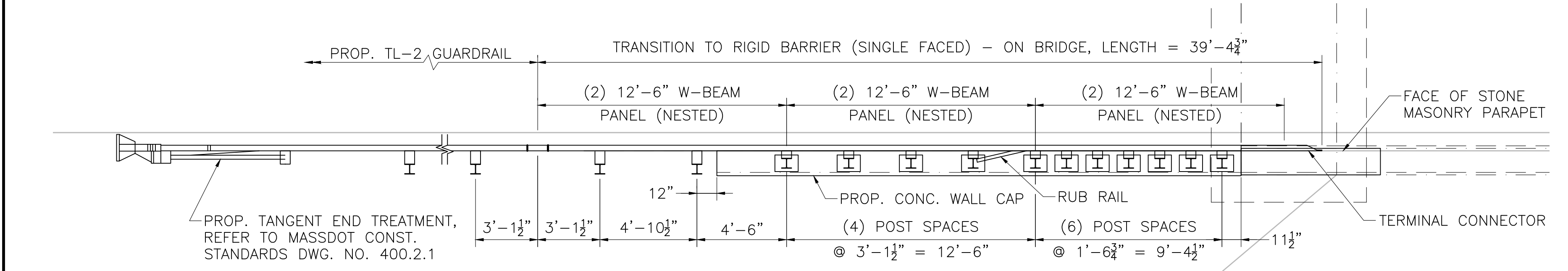


*IF TOP OF ROADWAY IS NOT THE SAME ELEVATION AS THE TOP OF CONCRETE CAP, VERTICAL HOLE LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR FOR SHOP FABRICATION.



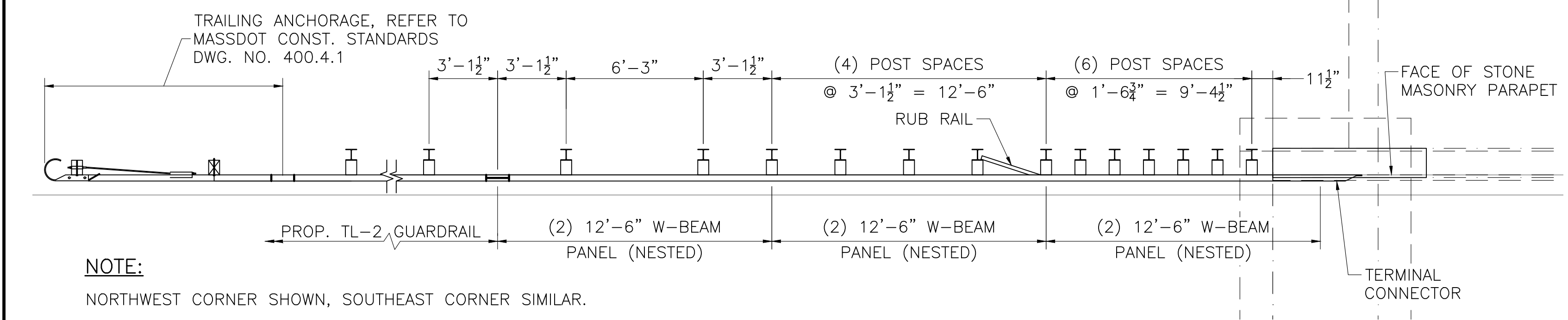
NORTHEAST GUARDRAIL PLAN

SCALE: 1" = 4'



SOUTHWEST GUARDRAIL PLAN

SCALE: 1" = 4'



NORTHWEST GUARDRAIL PLAN

SCALE: 1" = 4'

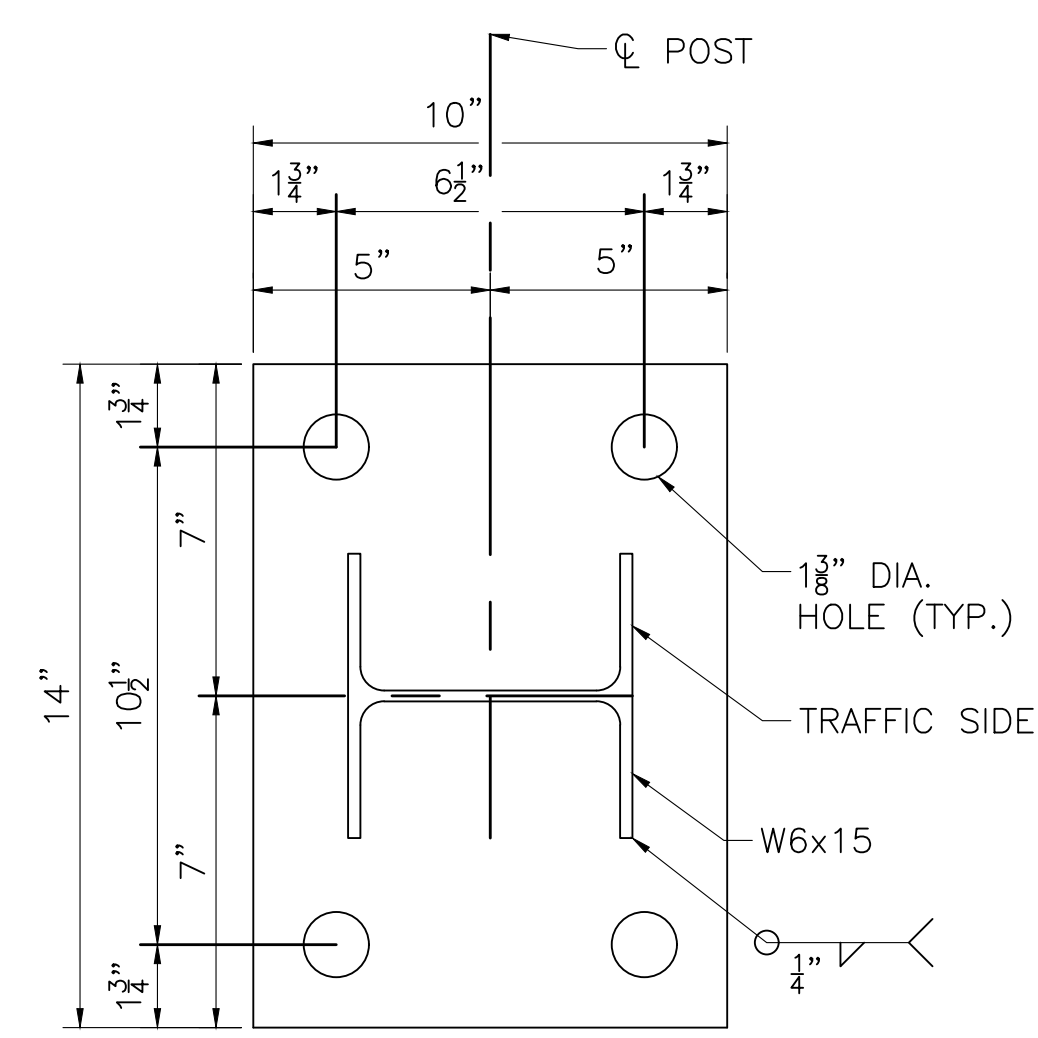
NOTE:
NORTHWEST CORNER SHOWN, SOUTHEAST CORNER SIMILAR.

GUARDRAIL POST - STEEL ON BRIDGE (FRONT VIEW)

SCALE: 1" = 1'-0"

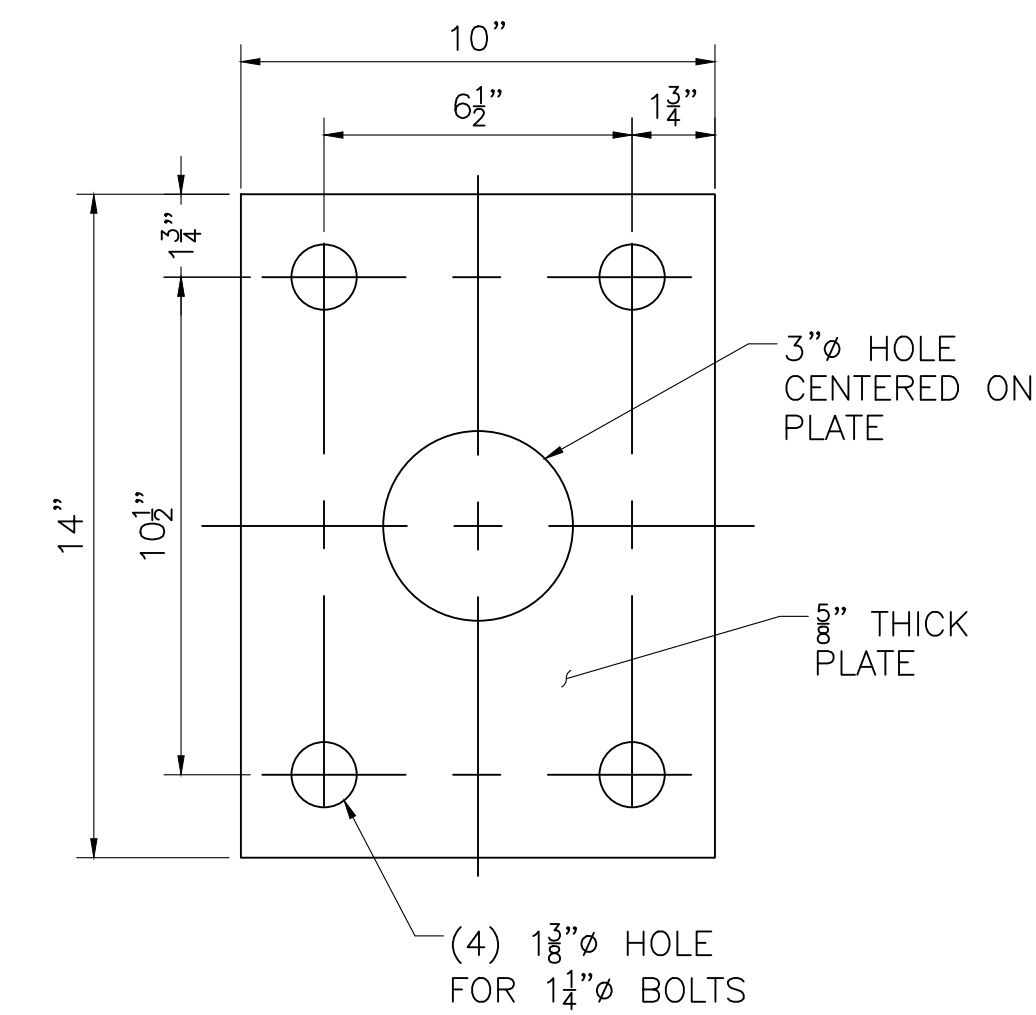
NOTES:

- THESE DETAILS ARE TO BE USED FOR GUARDRAIL POSTS - STEEL ON THE BRIDGE AND FOR TRANSITION TO RIGID BARRIER (SINGLE FACED) - ON BRIDGE, AS SHOWN ON THE REPAIR PLAN ON SHEET 1.
- ALL STEEL CONNECTING BOLTS AND FASTENERS FOR POSTS SHALL CONFORM TO ASTM F3125 GRADE A325. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554, GRADE 105.
- RAIL POSTS SHALL BE SET PERPENDICULAR TO ROADWAY PROFILE GRADE AND VERTICALLY IN CROSS SECTION.
- POSTS, BASE PLATES AND ANCHOR PLATES SHALL BE FABRICATED FROM STEEL CONFORMING TO AASHTO M270 GRADE 50 STEEL AND BE GALVANIZED.
- POSTS CAN BE ADJUSTED IN THE FIELD IF A CONFLICT IS FOUND, AT THE DIRECTION OF THE ENGINEER.
- FOR TERMINAL CONNECTOR AND RUB RAIL DETAILS, SEE MASSDOT CONSTRUCTION STANDARDS DWG. NO. 400.3.4



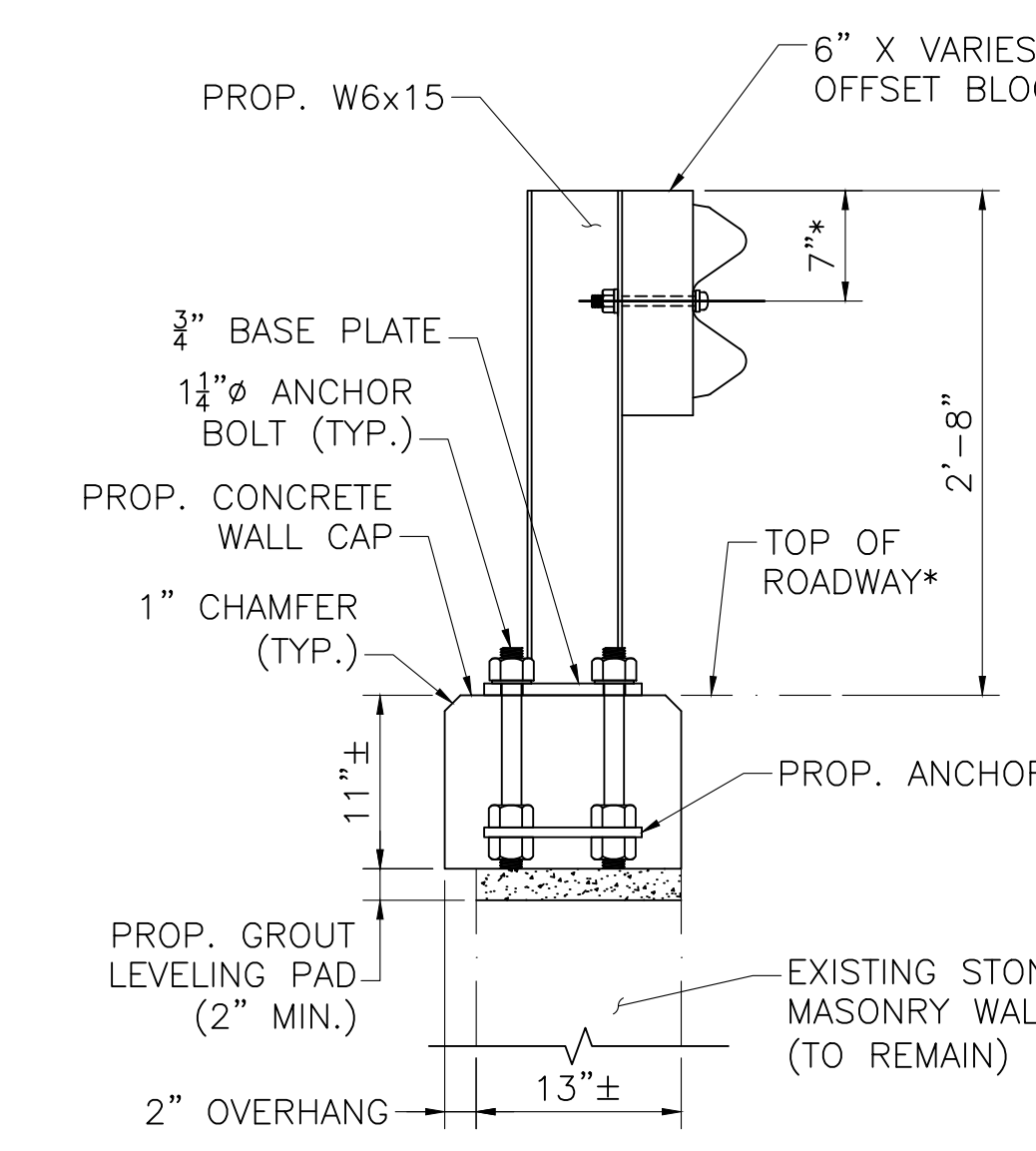
BASE PLATE DETAIL

SCALE: 3" = 1'-0"



ANCHOR PLATE DETAIL

SCALE: 3" = 1'-0"

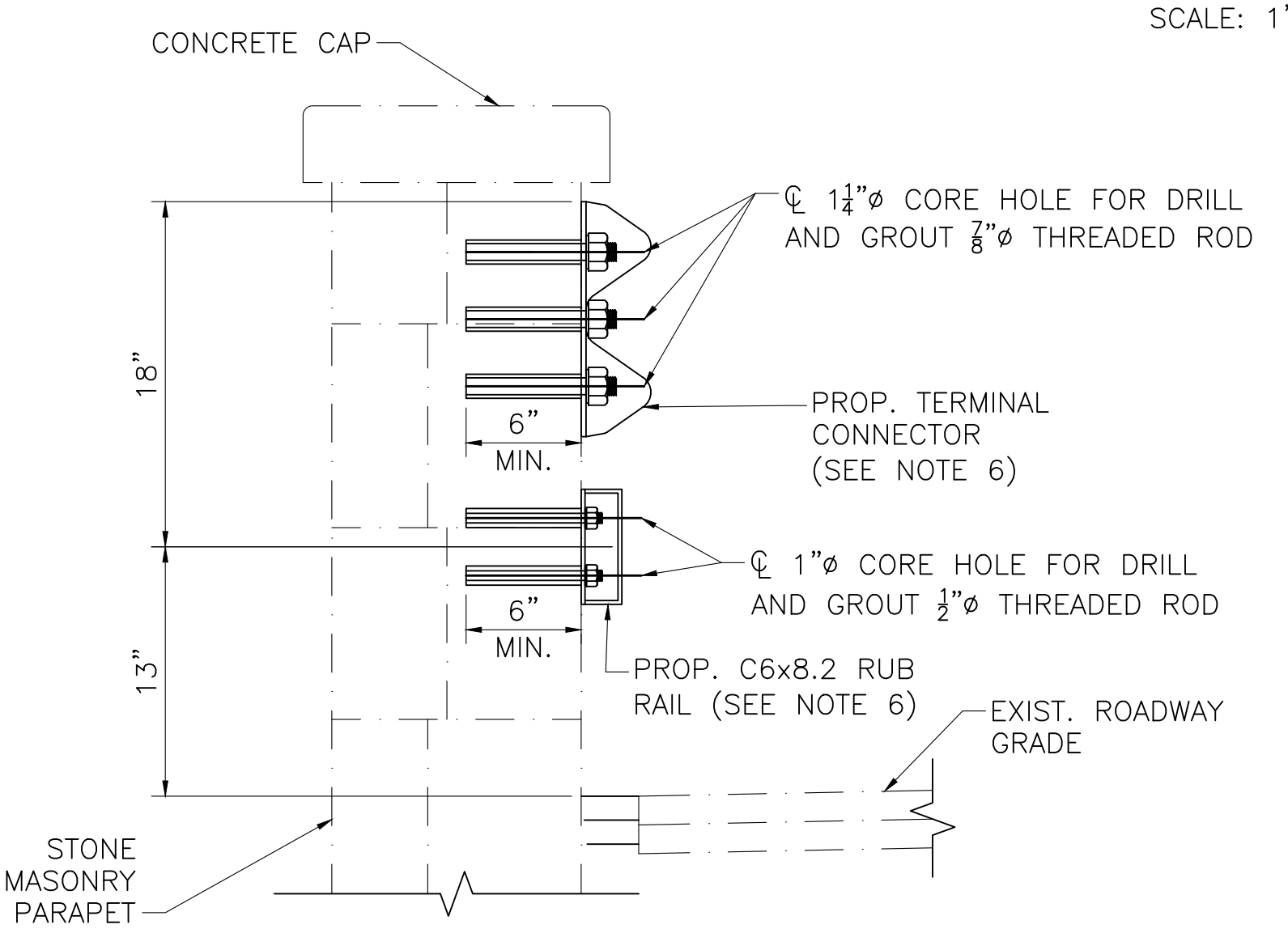


*IF TOP OF ROADWAY IS NOT THE SAME ELEVATION AS TOP OF CONCRETE CAP, VERTICAL HOLE LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR FOR SHOP FABRICATION.

**OFFSET BLOCK WIDTH SHALL BE ADJUSTED TO LINE UP GUARDRAIL WITH STONE MASONRY BRIDGE BARRIER.

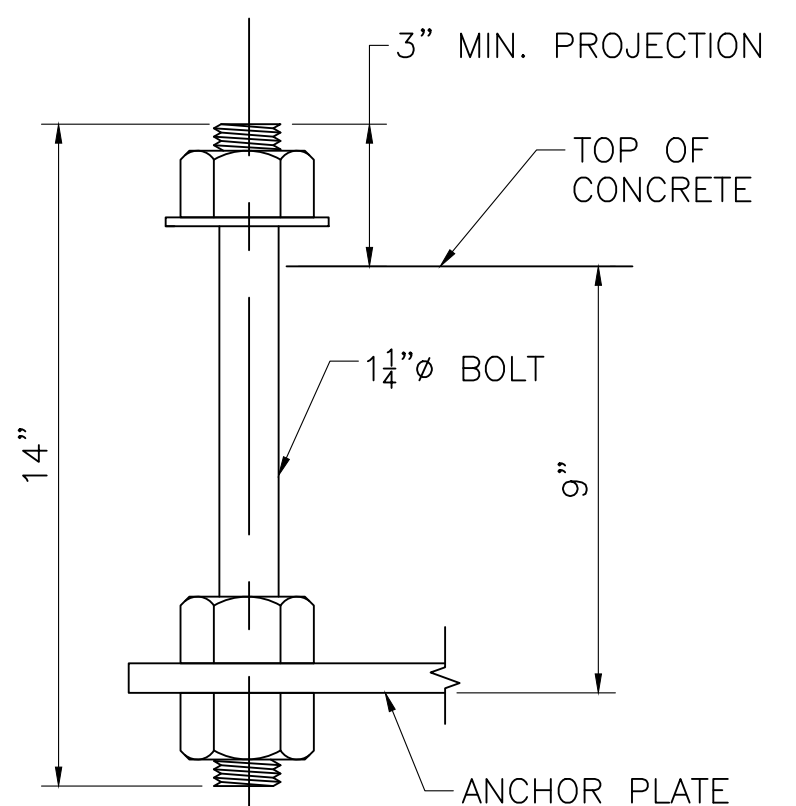
GUARDRAIL POST - STEEL ON BRIDGE SECTION

SCALE: 1" = 1'-0"



GUARDRAIL CONNECTION DETAIL

SCALE: 1 1/2" = 1'-0"



BOLT DETAIL

SCALE: 3" = 1'-0"

COMMONWEALTH OF MASSACHUSETTS
MassDOT, Highway Division
 APPROVED UNDER PROVISIONS OF
MASS. GEN. LAWS CH 85 S 35
 DATE: 5/19/2023
 STATE BRIDGE ENGINEER

DATE	DESCRIPTION
APRIL 27, 2023	ISSUED FOR CONSTRUCTION

USE ONLY PRINTS OF LATEST DATE

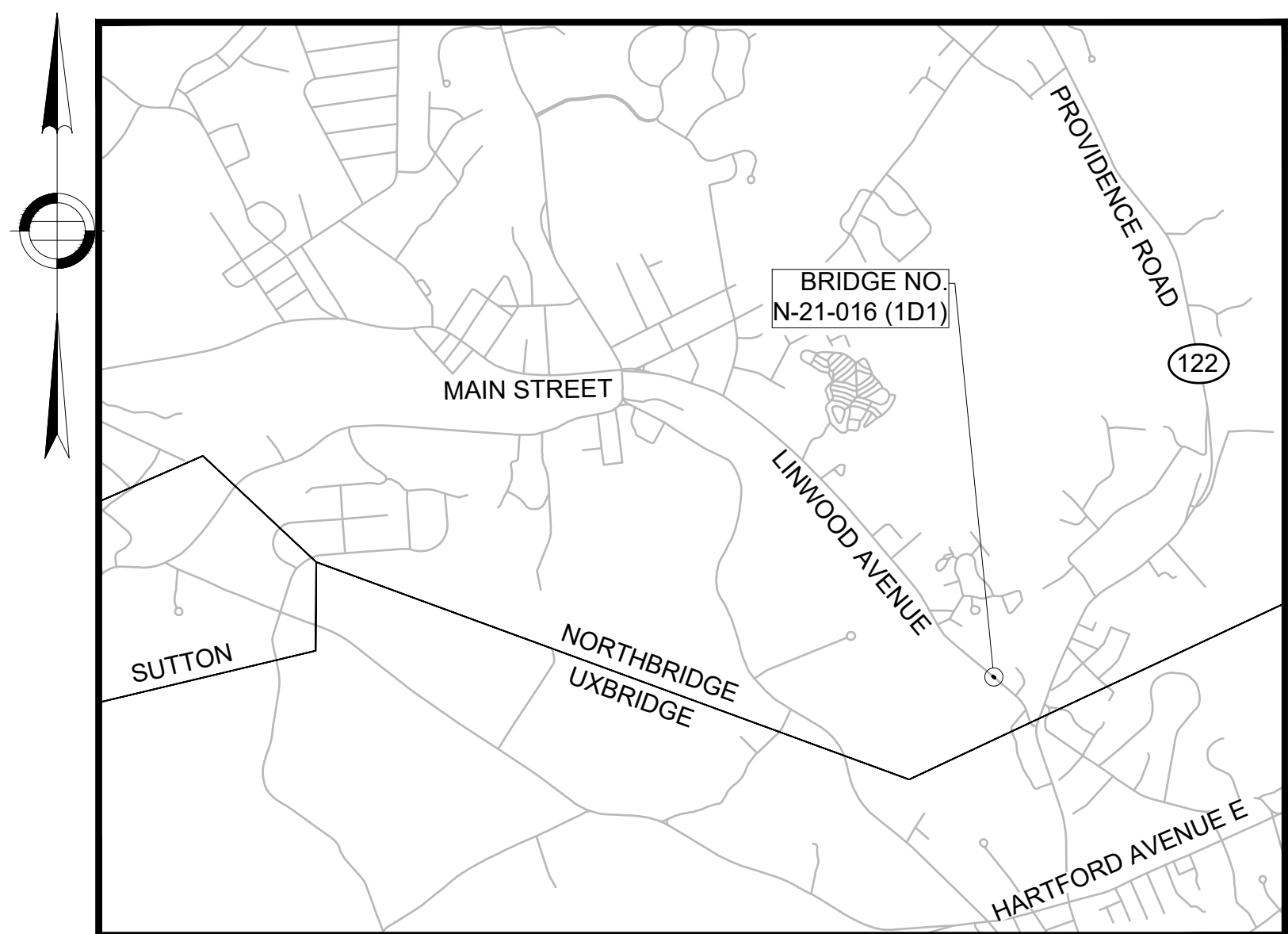
**NORTHBRIDGE
LINWOOD AVENUE**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N/A	4	7
PROJECT FILE NO.		N/A	

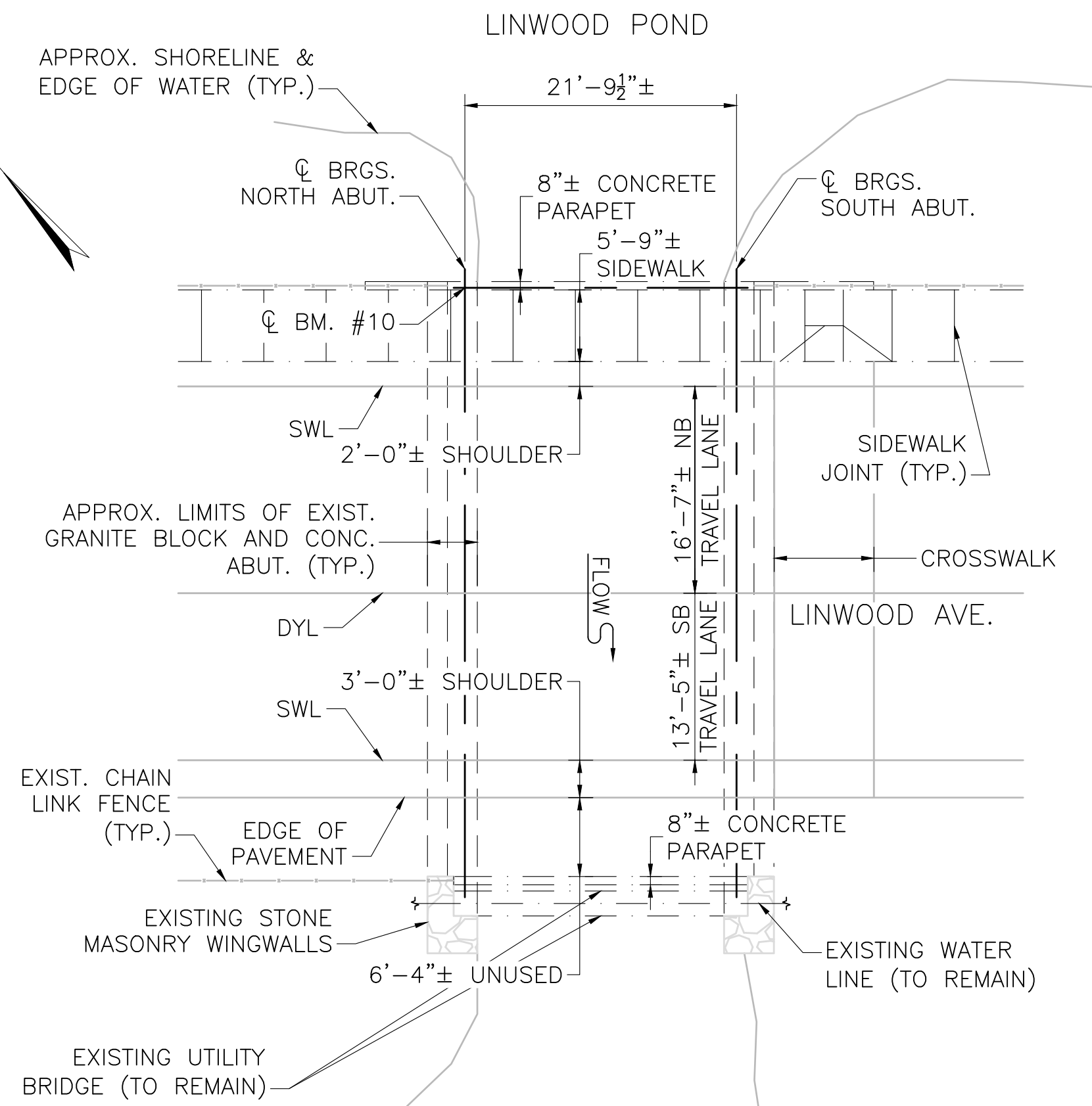
KEY PLAN, LOCUS MAP & GENERAL NOTES

**ESTIMATED QUANTITIES
(NOT GUARANTEED)**

ITEM DESCRIPTION	QUANTITY	UNIT
REINFORCED CONCRETE EXCAVATION	33	CF
GRAVEL BORROW	10	CY
CEMENT CONCRETE SIDEWALK	6	SY
TRAFFIC CONES FOR TRAFFIC MANAGEMENT	5	DAY
4000 PSI, 3/8 IN., 660 CEMENT CONCRETE	35	CF
4000 PSI, 3/8 IN., 660 CEMENT CONCRETE - UNDERWATER	985	LB
NON-SHRINK GROUT	1	CF
STEEL REINFORCEMENT FOR STRUCTURES - EPOXY COATED	150	LB
DRILLED AND GROUTED #4 DOWELS	30	EA
TEMPORARY FALSEWORK	1	LS

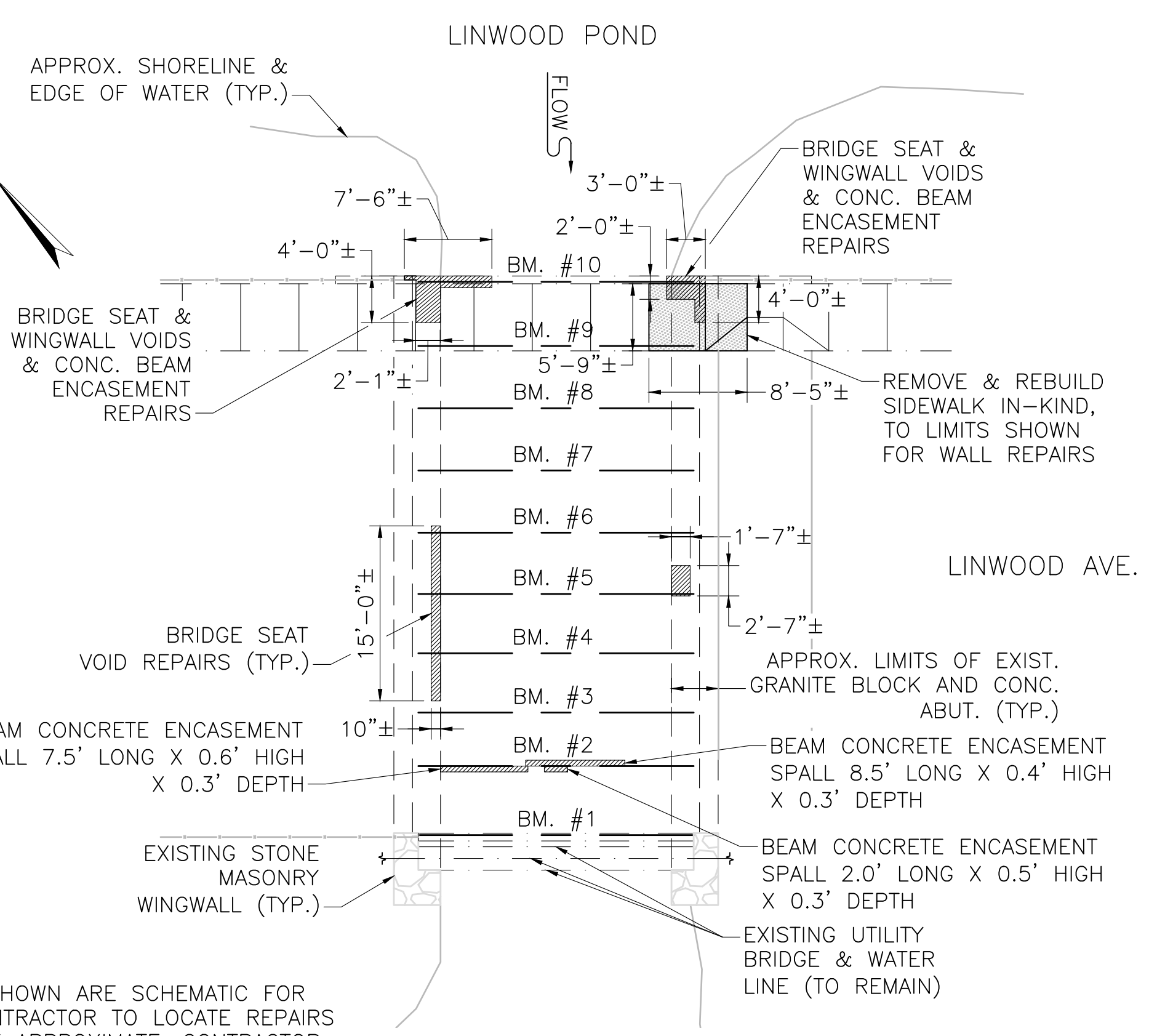


LOCUS MAP
SCALE: 1" = 2000'



EXISTING PLAN
SCALE: 1" = 10'

NOTE:
REFER TO REPAIR AREAS PLAN FOR REPAIR LOCATIONS.



REPAIR AREAS PLAN
SCALE: 1" = 10'

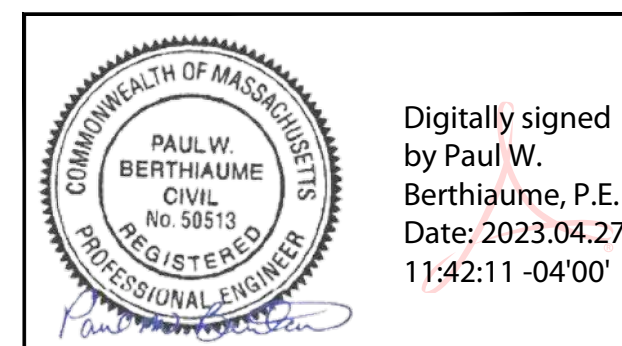
NOTE:
AREAS SHOWN ARE SCHEMATIC FOR THE CONTRACTOR TO LOCATE REPAIRS AND ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL REPAIR LIMITS FOR APPROVAL BY THE ENGINEER.

GENERAL NOTES

- THE REPAIRS DEPICTED IN THESE DESIGN PLANS ARE INTENDED ONLY TO RESTORE THE CRITICALLY DETERIORATED AREAS OF THE BRIDGE IDENTIFIED ON THE PLANS.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE RELEVANT PROVISIONS OF THE 2021^{N4} COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
- THESE REPAIR PLANS WERE DRAWN WITHOUT GROUND SURVEY. LOCATIONS OF ELEMENTS SHOWN ARE SCHEMATIC FOR THE CONTRACTOR TO LOCATE REPAIR AREAS.
- DIMENSIONS OF THE BRIDGE SHOWN WERE TAKEN FROM THE NOVEMBER 2007 BRIDGE RATING REPORT AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL DETERMINE AND ESTABLISH ALL DIMENSIONS AND DETAILS NECESSARY FOR COMPLETION OF ALL THE WORK BY FIELD MEASUREMENT. THE CONTRACTOR SHALL BE RESPONSIBLE AND NOT ORDER ANY MATERIAL OR COMMENCE ANY FABRICATION UNTIL THEY HAVE TAKEN FIELD MEASUREMENTS ON THE ACTUAL STRUCTURE.
- ALL REINFORCING BARS SHALL BE EPOXY COATED AND CONFORM TO THE REQUIREMENTS OF AASHTO M31 GRADE 60. WELDED WIRE FABRIC REINFORCING SHALL BE DEFORMED AND SHALL CONFORM TO MASSDOT MATERIAL SPECIFICATION M8.01.2 AND SHALL BE GRADE 65 EPOXY COATED.
- CONCRETE USED FOR REPAIRS AND PATCHING SHALL USE 4000 PSI, 3/8 IN., 660 CEMENT CONCRETE (ITEM 905.01) AND BE A MASSDOT APPROVED MIX DESIGN.
- CONTRACTOR SHALL NOT PLACE CONSTRUCTION VEHICLES AND EQUIPMENT ON THE BRIDGE UNTIL AFTER CONCRETE REPAIRS AND PATCHING HAVE BEEN COMPLETED.
- SCALES AS NOTED ON THE PLANS ARE NOT APPLICABLE TO REDUCED SIZE PRINTS. DIVIDE SCALES BY 2 FOR HALF-SIZE PRINTS (A3).

- INDEX OF BRIDGE SHEETS**
- KEY PLAN, LOCUS MAP & GENERAL NOTES
 - REPAIR DETAILS

JUNE 4, 2024 **ESTIMATED QUANTITIES AND NOTE 2 REV.**
APRIL 27, 2023 ISSUED FOR CONSTRUCTION



Digitally signed by Paul W. Berthiaume, P.E.
Date: 2023.04.27 11:42:11 -04'00'

HOWARD STEIN HUDSON
11 Beacon Street, Suite 1010
Boston, MA 02108
www.hshassoc.com

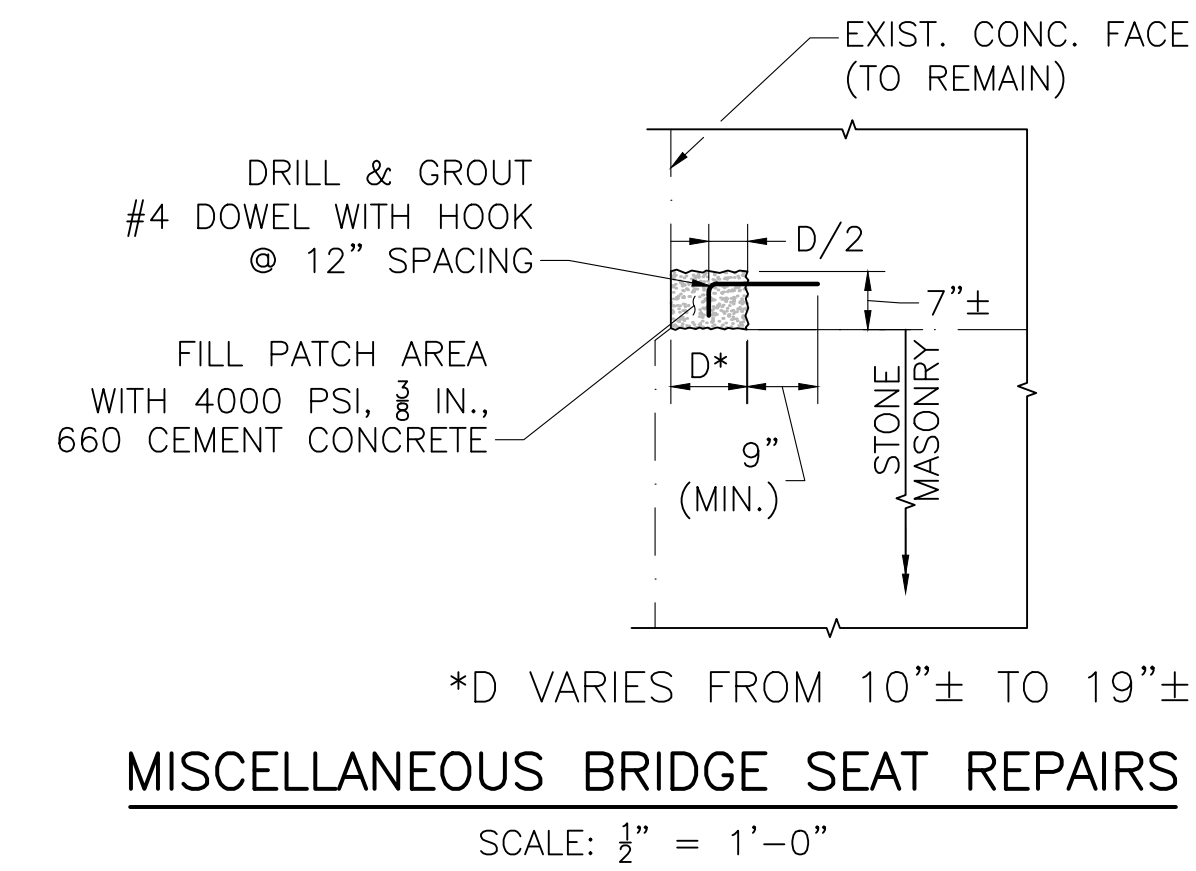
COMMONWEALTH OF MASSACHUSETTS
MassDOT, Highway Division
APPROVED UNDER PROVISIONS OF
MASS. GEN. LAWS CH 85 S 35
5/19/2023
STATE BRIDGE ENGINEER DATE

PROPOSED BRIDGE REPAIRS
NORTHBRIDGE
LINWOOD AVENUE
OVER LINWOOD POND
TOWN OF NORTHBRIDGE
DEPARTMENT OF PUBLIC WORKS
11 FLETCHER STREET WHITINSVILLE, MASS

**NORTHBRIDGE
LINWOOD AVENUE**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N/A	5	7
PROJECT FILE NO.		N/A	

REPAIR DETAILS



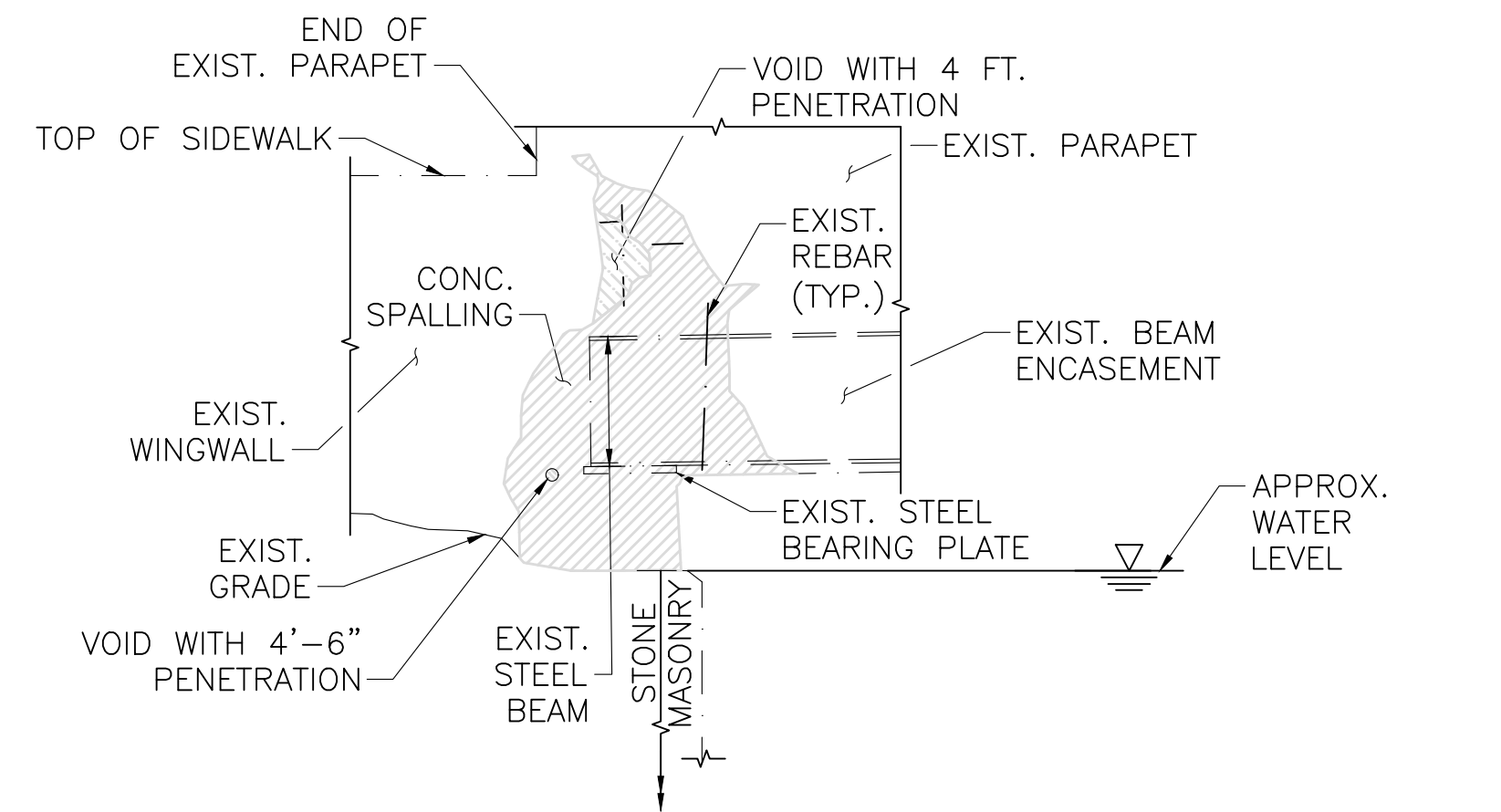
STEEL BEAM CONCRETE ENCASEMENT REPAIRS

CONCRETE REPAIR NOTES:

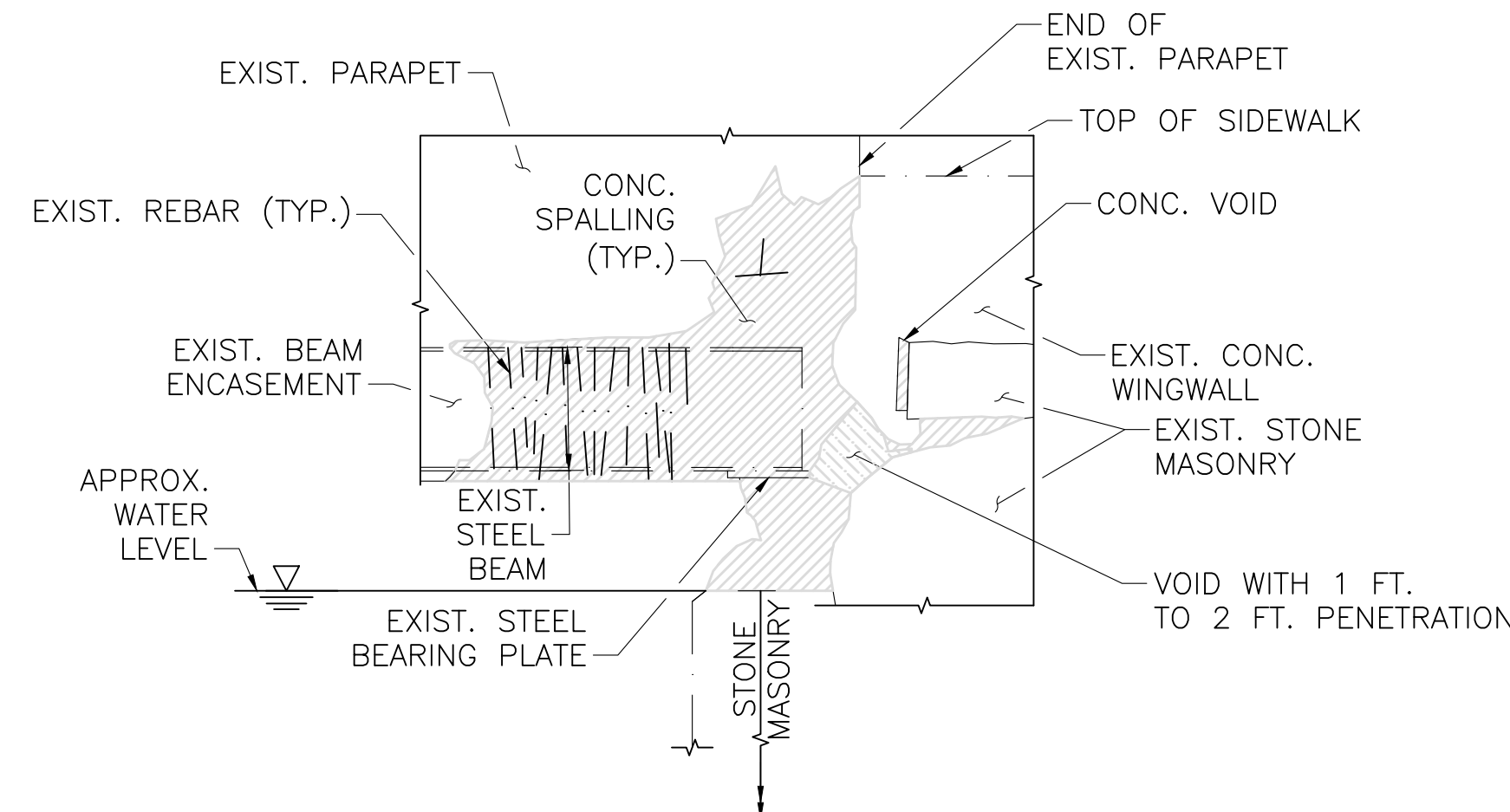
- CONTRACTOR SHALL ESTABLISH LIMITS OF REPAIRS AS SHOWN ON THE DRAWINGS (SEE NOTE 2) AND AT THE DIRECTION OF THE ENGINEER. THE EXTENT, LOCATIONS AND REPAIR TYPE ARE TO BE FIELD VERIFIED AND APPROVED BY THE ENGINEER AFTER THE CONTRACTOR HAS SOUNDED AND MARKED OUT THE REPAIR AREAS. REPAIR CONFIGURATIONS SHOULD BE KEPT AS SIMPLE AS POSSIBLE, PREFERABLY WITH SQUARE CORNERS.
- REPAIRS SHOWN ON THESE DRAWINGS REFLECT THE CONDITION OF STRUCTURE DURING TIME OF MASSDOT'S LAST ROUTINE INSPECTION (APRIL 2022) AND LAST UNDERWATER INSPECTION (MAY 2022).
- THE LIMITS OF REPAIRS SHALL BE SAWCUT ALONG NEAT LINES TO A DEPTH OF 1" WHERE PRACTICAL TO PRODUCE A CLEAN EDGE.
- REMOVE DETERIORATED AND UNSOUND CONCRETE, REMOVAL SHALL NOT EXCEED 6" IN DEPTH WITHOUT PRIOR APPROVAL FROM THE ENGINEER. SPECIAL CARE SHALL BE TAKEN WHEN WORKING AROUND UNDERMINED AREAS OF BEAM 10 BEARINGS.
- IF REINFORCEMENT BARS ARE OVER 50% EXPOSED, REMOVAL SHALL EXTEND A MINIMUM OF 1" BEYOND THE BAR. UNDERCUT EXPOSED REINFORCING STEEL TO PROVIDE A MINIMUM CLEARANCE OF 1" AROUND BARS. REMOVE ADDITIONAL CONCRETE AS NECESSARY TO PROVIDE MINIMUM REQUIRED THICKNESS OF REPAIR MATERIAL. CARE SHALL BE TAKEN TO PROTECT REINFORCING. ANY REINFORCING DAMAGED AS A RESULT OF CONTRACTOR'S OPERATIONS SHALL BE REPAIRED, TO THE SATISFACTION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
- MISSING OR DETERIORATED REINFORCING STEEL SHALL BE REPLACED AS DIRECTED BY THE ENGINEER.
- IF REINFORCING STEEL IS EXPOSED, THEN CLEAN BY MECHANICAL CLEANING AND HIGH PRESSURE WASHING WITH WATER THAT CONTAINS NO DETERGENTS OR BOND INHIBITING MATERIALS. WHERE ACTIVE CORROSION HAS OCCURRED (RUSTING OF DELETERIOUS MATERIAL WHICH COULD INHIBIT BONDING) SANDBLAST STEEL TO WHITE METAL FINISH. ANY REINFORCING WITH 25% OR MORE SECTION LOSS, SHALL BE SUPPLEMENTED.
- AFTER REMOVAL AND EDGE PREPARATION ARE COMPLETE, REMOVE BOND INHIBITING MATERIALS (DIRT, GREASE, LOOSELY BONDED AGGREGATE) BY ABRASION BLASTING OR HIGH PRESSURE WATER BLASTING WITH WATER THAT CONTAINS NO DETERGENTS OR BOND INHIBITING CHEMICALS. CHECK THE CONCRETE SURFACES AFTER CLEANING TO INSURE THAT THE SURFACE IS FREE FROM ADDITIONAL LOOSE AGGREGATE OR THAT ADDITIONAL DELAMINATIONS ARE NOT PRESENT. SEE SPECIAL PROVISIONS.
- WHERE NEW CONCRETE IS PLACED IN CONTACT WITH EXISTING CONCRETE, EPOXY BONDING COMPOUND SHALL BE USED AND APPLIED TO EXISTING CONCRETE PRIOR TO PLACEMENT OF REPAIR MATERIAL. THE EPOXY BONDING COMPOUND SHALL BE LISTED ON THE MASSDOT QUALIFIED CONSTRUCTION MATERIALS LIST (QCML).
- PREPARE EXPOSED STEEL IN ACCORDANCE WITH ITEM 905.01 OF THE SPECIAL PROVISIONS AND SECTION 961 OF THE 2023 MASSACHUSETTS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
- BEAM 10 SHALL BE TEMPORARILY SUPPORTED PRIOR TO REMOVING CONCRETE. THE CONTRACTOR SHALL SUBMIT, FOR APPROVAL, DESIGN AND DETAILS FOR TEMPORARILY SUPPORTING BEAM 10.

COMMONWEALTH OF MASSACHUSETTS
MassDOT, Highway Division
APPROVED UNDER PROVISIONS OF
MASS. GEN. LAWS CH 85 S 35
STATE BRIDGE ENGINEER DATE 5/19/2023

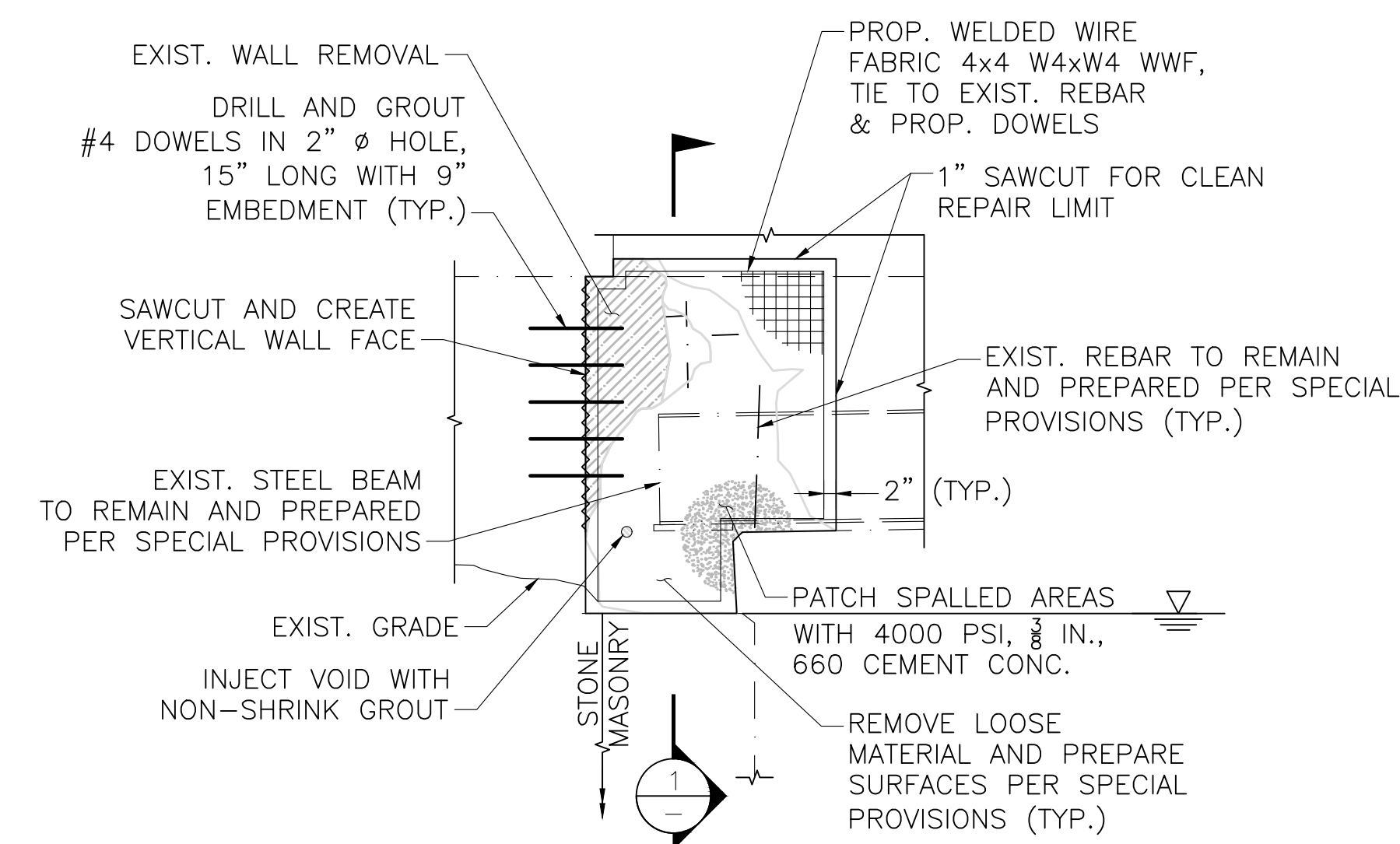
DATE	DESCRIPTION
APRIL 27, 2023	ISSUED FOR CONSTRUCTION
USE ONLY PRINTS OF LATEST DATE	



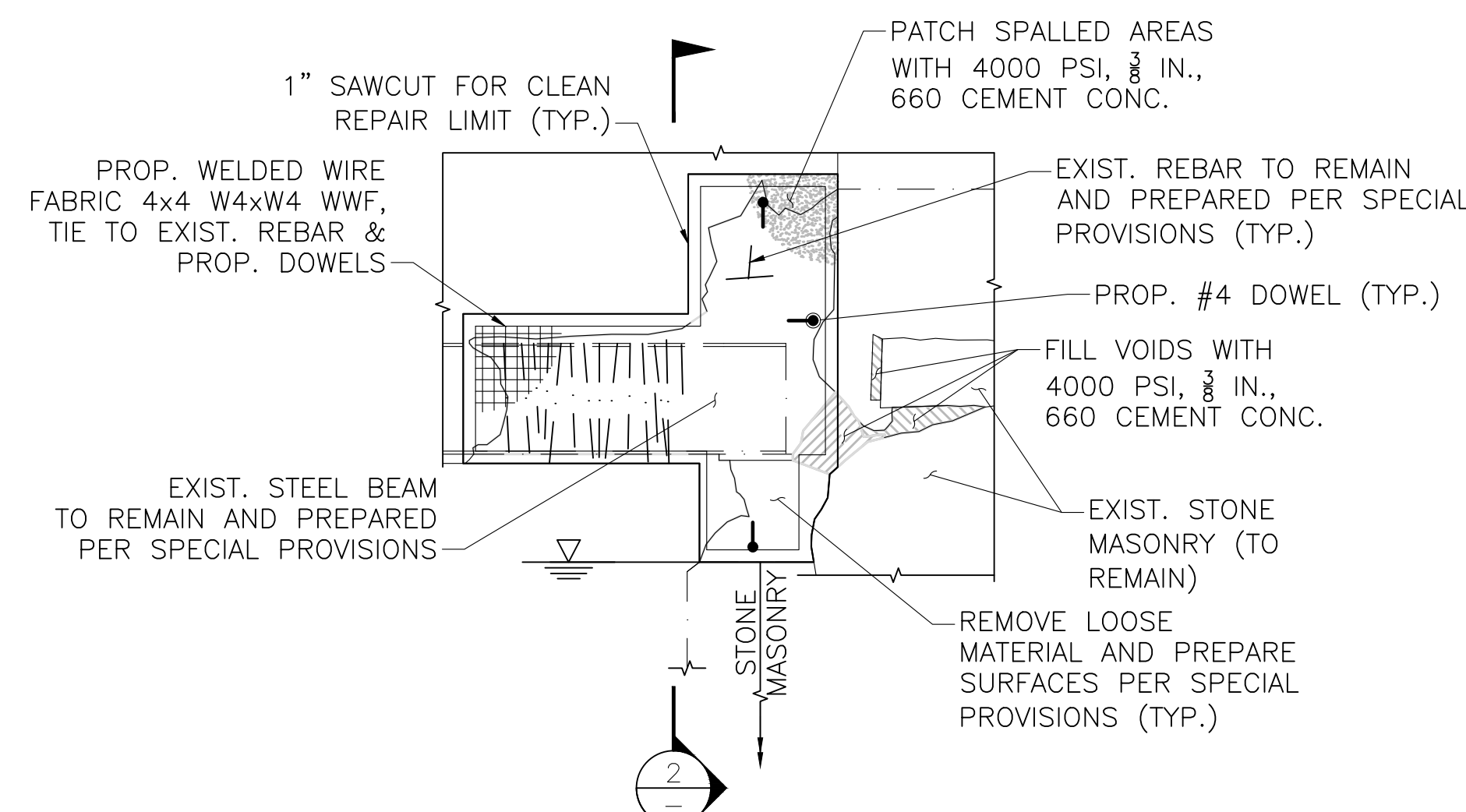
EXISTING CONDITIONS – BEAM 10 ELEVATION AT SOUTH ABUT.
SCALE: 1/2" = 1'-0"



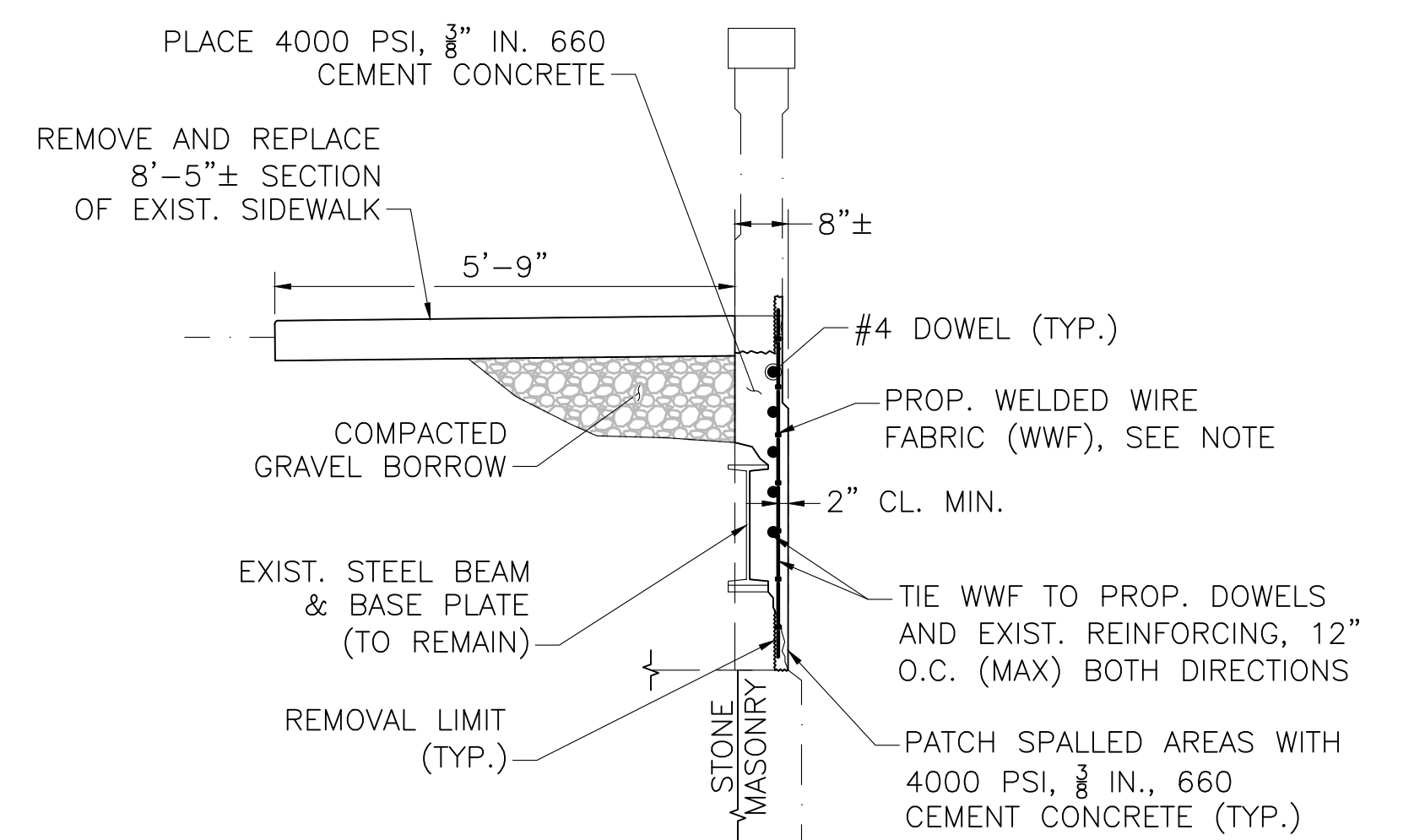
EXISTING CONDITIONS – BEAM 10 ELEVATION AT NORTH ABUT.
SCALE: 1/2" = 1'-0"



PROPOSED REPAIRS – BEAM 10 ELEVATION AT SOUTH ABUT.
SCALE: 1/2" = 1'-0"

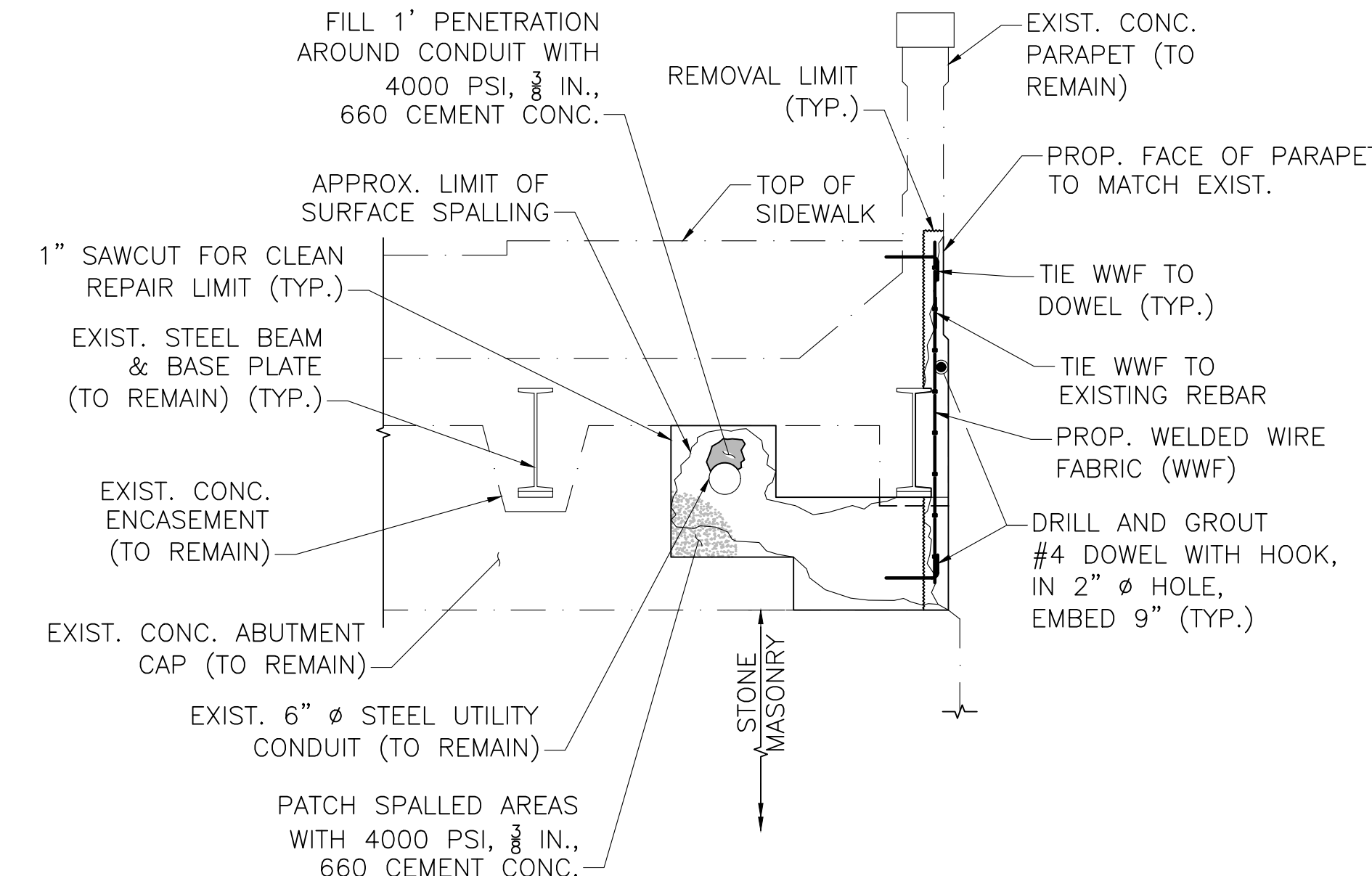


PROPOSED REPAIRS – BEAM 10 ELEVATION AT NORTH ABUT.
SCALE: 1/2" = 1'-0"



SECTION 1
SCALE: 1/2" = 1'-0"

NOTE:
PROVIDE A 12" MINIMUM EMBEDMENT LENGTH FOR ALL WELDED WIRE FABRIC.

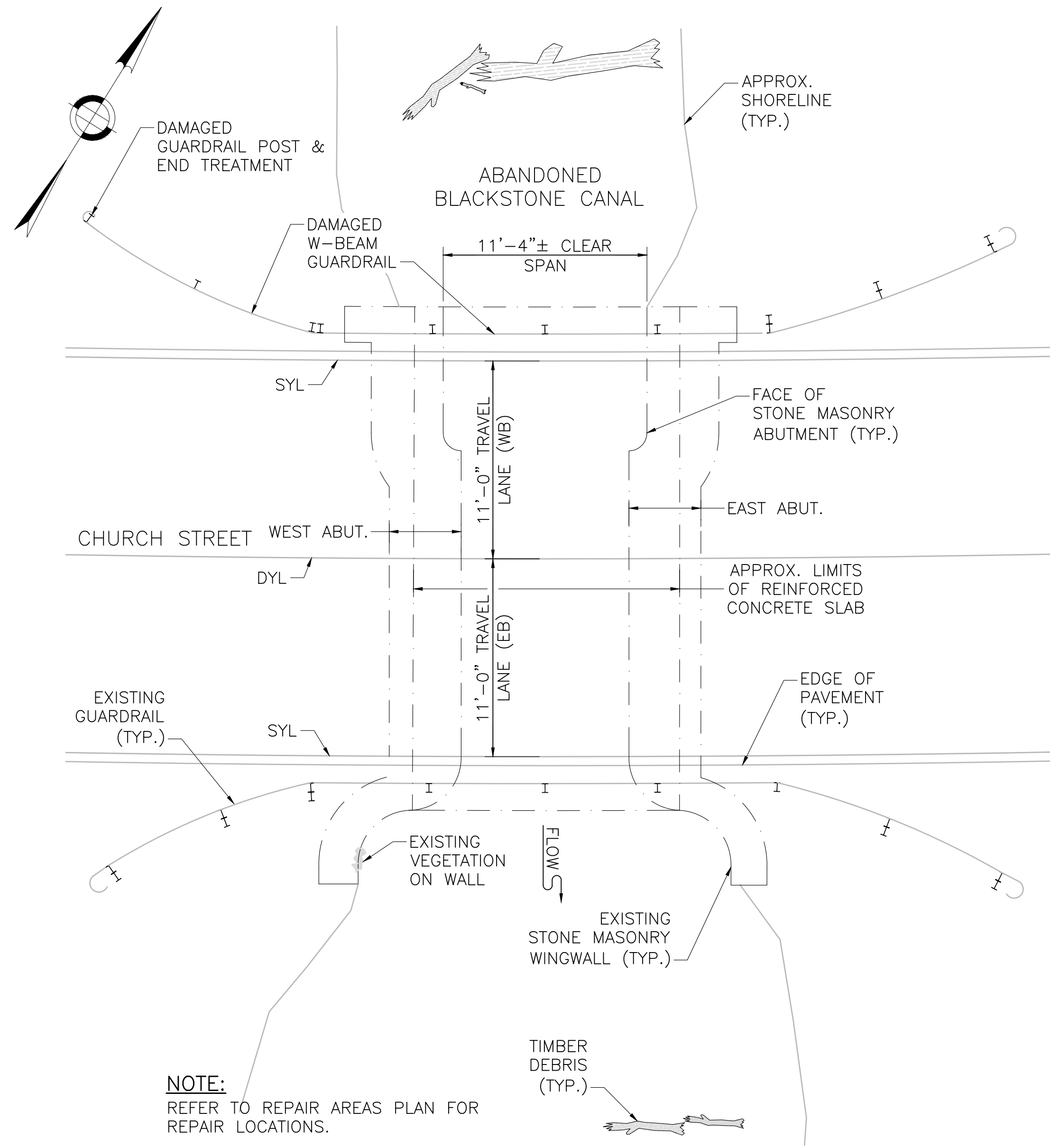


SECTION 2
SCALE: 1/2" = 1'-0"

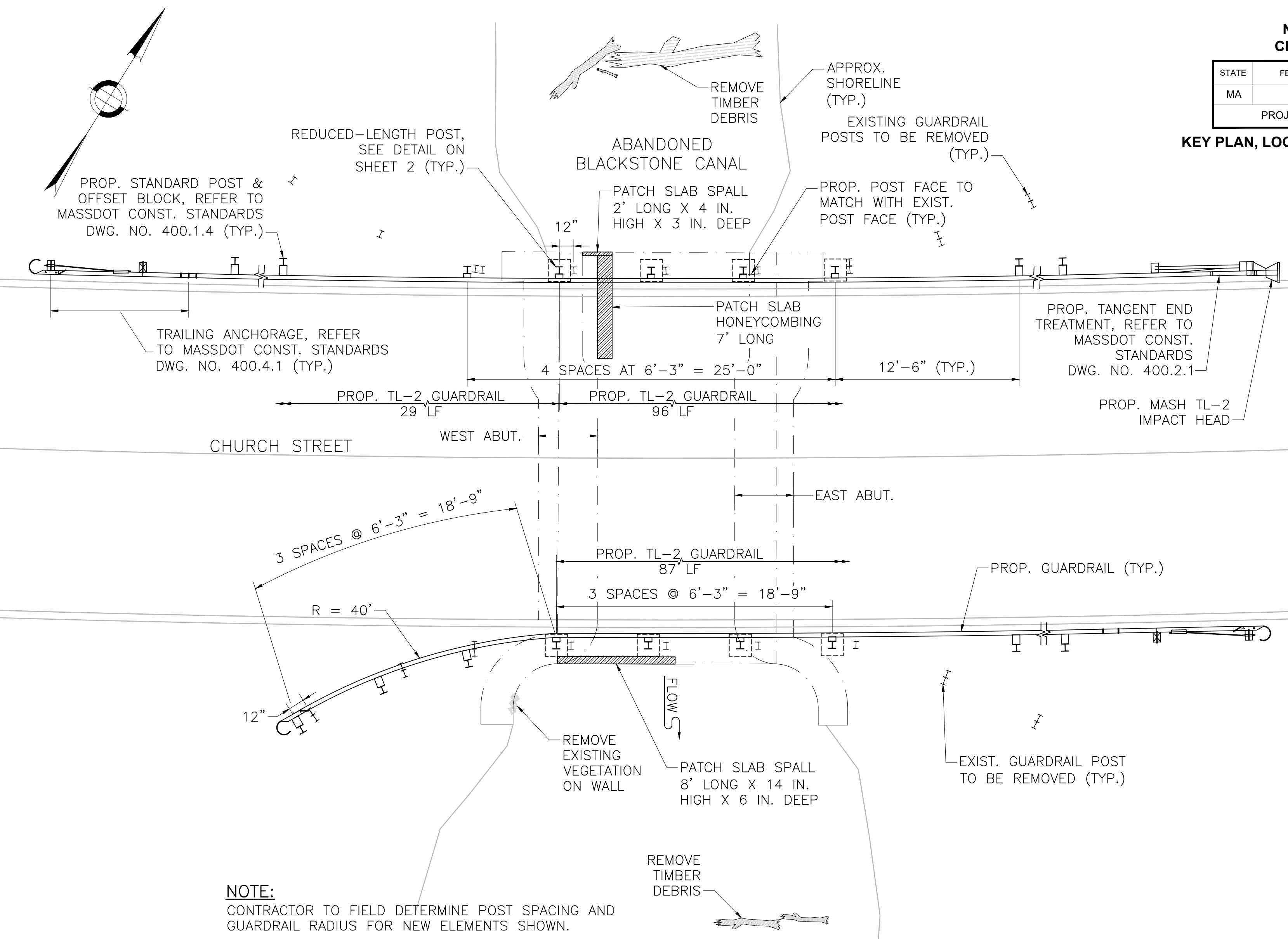
**NORTHBRIDGE
CHURCH STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N/A	6	7
PROJECT FILE NO.		N/A	

KEY PLAN, LOCUS MAP & GENERAL NOTES



EXISTING PLAN
SCALE: 1" = 5'



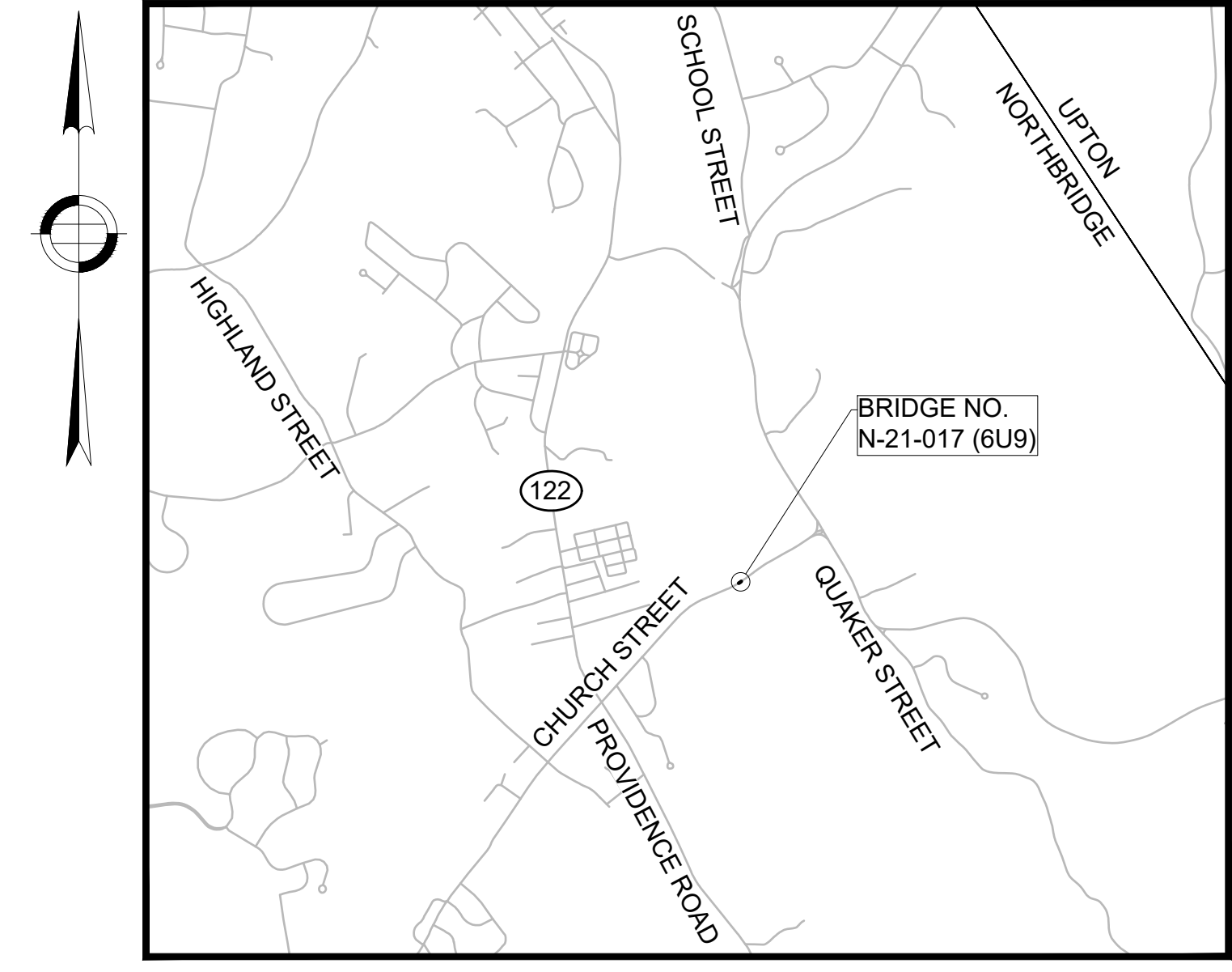
REPAIR AREAS PLAN
SCALE: 1" = 5'

GENERAL NOTES

1. THE REPAIRS DEPICTED IN THESE DESIGN PLANS ARE INTENDED ONLY TO RESTORE THE CRITICALLY DETERIORATED AREAS OF THE BRIDGE IDENTIFIED ON THE PLANS.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE RELEVANT PROVISIONS OF THE 2021^{N4} COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
3. THIS REPAIR PLAN WAS DRAWN WITHOUT GROUND SURVEY. LOCATIONS OF ELEMENTS SHOWN ARE SCHEMATIC FOR THE CONTRACTOR TO LOCATE REPAIR AREAS.
4. THE CONTRACTOR SHALL DETERMINE AND ESTABLISH ALL DIMENSIONS AND DETAILS NECESSARY FOR COMPLETION OF ALL THE WORK BY FIELD MEASUREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE AND NOT ORDER ANY MATERIAL OR COMMENCE ANY FABRICATION UNTIL THEY HAVE TAKEN FIELD MEASUREMENTS ON THE ACTUAL STRUCTURE.
5. ALL REINFORCING BARS SHALL BE EPOXY COATED AND CONFORM TO THE REQUIREMENTS OF AASHTO M31 GRADE 60.
6. CONCRETE USED FOR SPALL REPAIRS SHALL BE 4000 PSI, 3/4" IN., 660 CEMENT CONCRETE (ITEMS 905.01) AND BE A MASSDOT APPROVED MIX DESIGN. CONCRETE HONEYCOMBED AREAS IDENTIFIED SHALL USE CEMENTITIOUS MORTAR FOR PATCHING (ITEM 909.2).
7. SCALES AS NOTED ON THE PLANS ARE NOT APPLICABLE TO REDUCED SIZE PRINTS. DIVIDE SCALES BY 2 FOR HALF-SIZE PRINTS (A3).

INDEX OF BRIDGE SHEETS

1. KEY PLAN, LOCUS MAP & GENERAL NOTES
2. REPAIR DETAILS



LOCUS MAP
SCALE: 1" = 2000'

COMMONWEALTH OF MASSACHUSETTS
MassDOT, Highway Division
APPROVED UNDER PROVISIONS OF
MASS. GEN. LAWS CH 85 S 35
5/19/2023
STATE BRIDGE ENGINEER DATE

Digitally signed by Paul W. Berthiaume, P.E.
Date: 2023.04.27 11:33:12 -04'00'

HOWARD STEIN HUDSON
11 Beacon Street, Suite 1010
Boston, MA 02108
www.hshassoc.com

JUNE 4, 2024 ESTIMATED QUANTITIES AND NOTE 2 REV.
APRIL 27, 2023 ISSUED FOR CONSTRUCTION

PROPOSED BRIDGE REPAIRS
NORTHBRIDGE
CHURCH STREET
OVER ABANDONED BLACKSTONE CANAL
TOWN OF NORTHBRIDGE
DEPARTMENT OF PUBLIC WORKS
11 FLETCHER STREET WHITINSVILLE, MASS

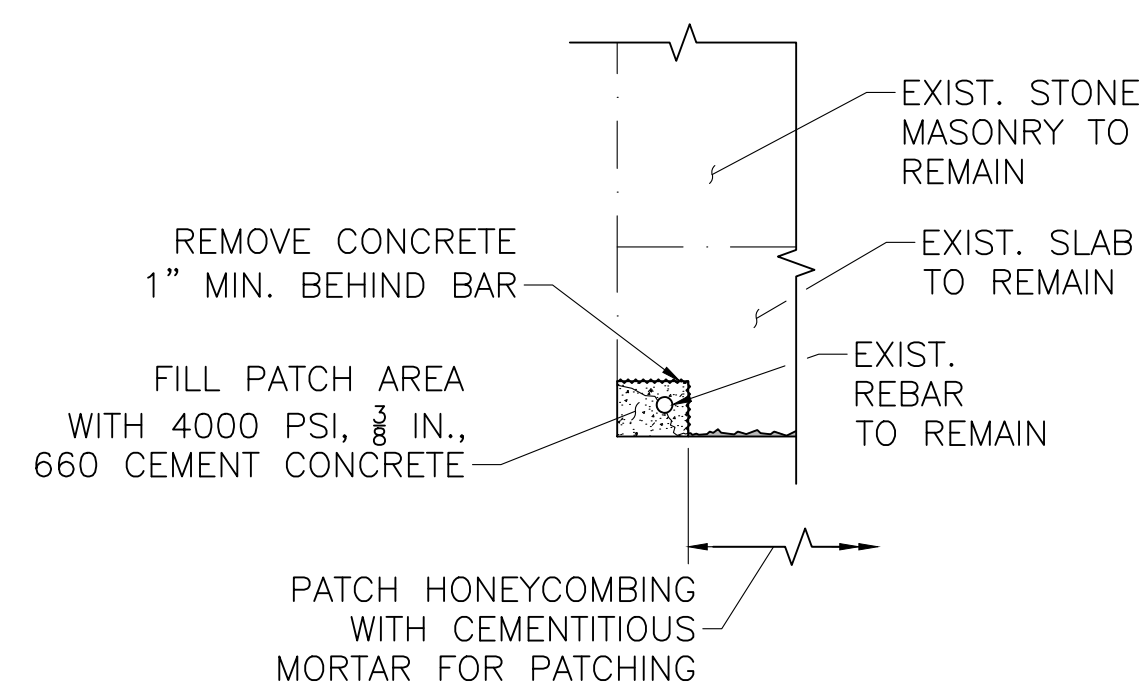
**NORTHBRIDGE
CHURCH STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N/A	7	7
PROJECT FILE NO.		N/A	

REPAIR DETAILS

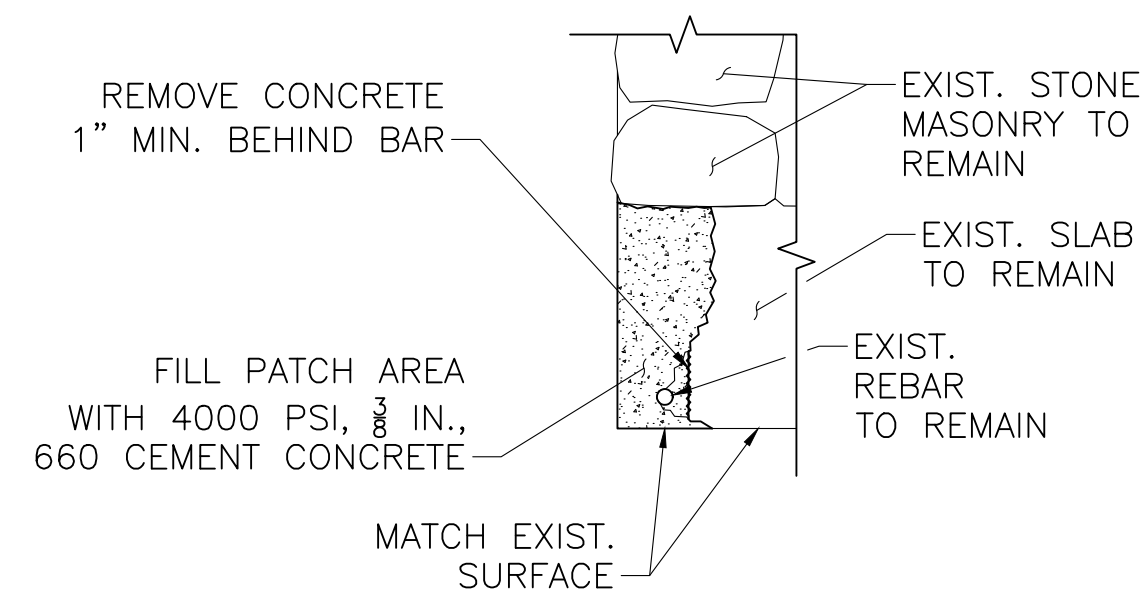
**ESTIMATED QUANTITIES
(NOT GUARANTEED)**

ITEM DESCRIPTION	QUANTITY	UNIT
BRIDGE VEGETATION REMOVAL	1	LS
WATERWAY TIMBER DEBRIS REMOVAL - BRIDGE NO. N-21-017	1	LS
GUARDRAIL, TL-2 (SINGLE FACED)	212	FT
GUARDRAIL - CURVED, TL-2 (SINGLE FACED)	19	FT
TRAILING ANCHORAGE	2	EA
GUARDRAIL TANGENT END TREATMENT, TL-2	1	EA
HIGHWAY GUARD REMOVED AND DISCARDED	110	FT
TRAFFIC CONES FOR TRAFFIC MANAGEMENT	2	DAY
TRAFFIC CONES FOR TRAFFIC MANAGEMENT	2	DAY
3500 PSI, 1.5 IN., 520 CEMENT CONCRETE	2	CY
4000 PSI, 3/8 IN., 660 CEMENT CONCRETE	10	CF
CEMENTITIOUS MORTAR FOR PATCHING	10	SF
STEEL REINFORCEMENT FOR STRUCTURES - EPOXY COATED	100	LB



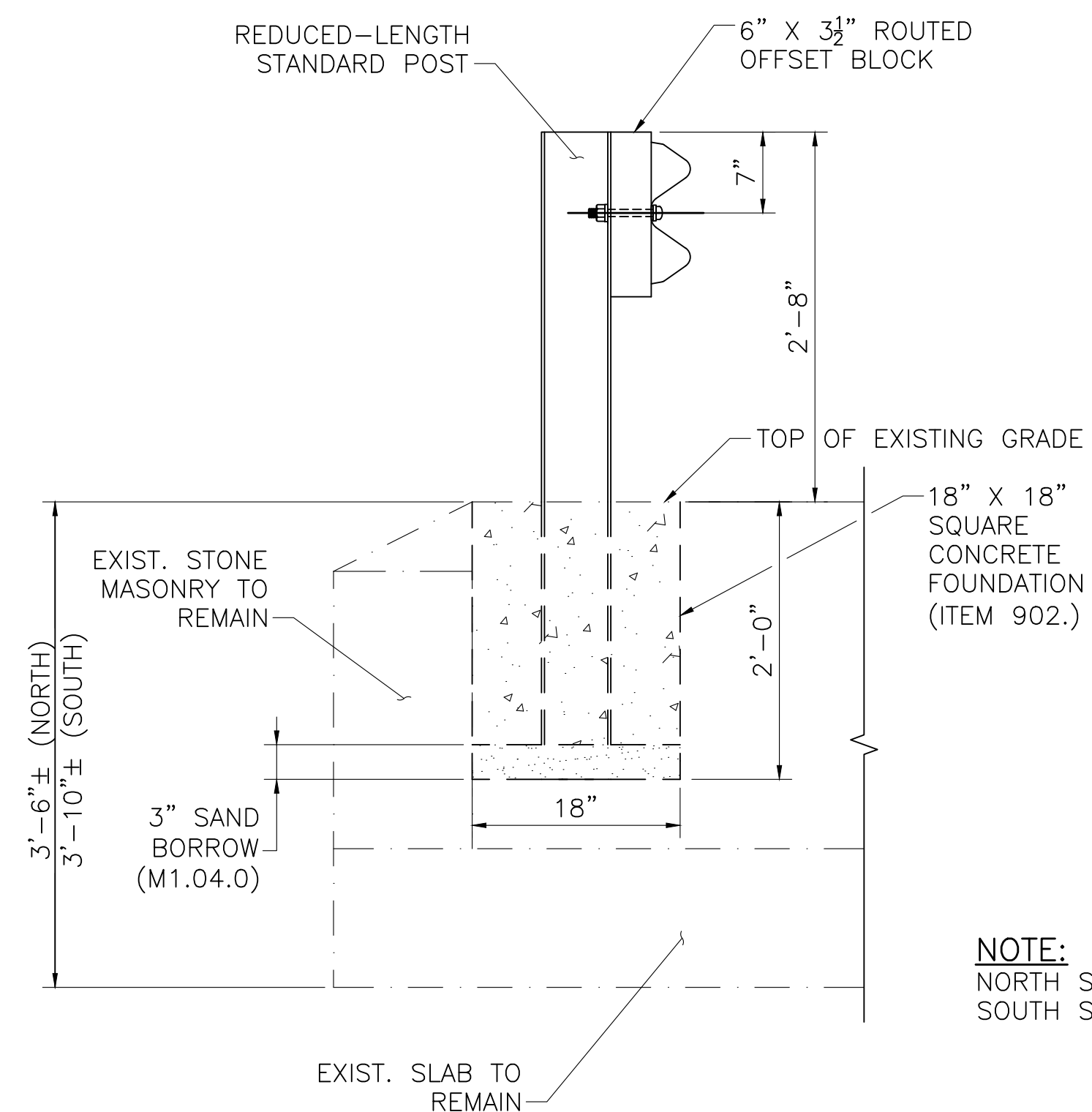
NORTH END OF SLAB REPAIR DETAIL

SCALE: 1" = 1'-0"



SOUTH END OF SLAB REPAIR DETAIL

SCALE: 1" = 1'-0"



REDUCED-LENGTH POST DETAIL

SCALE: 1" = 1'-0"

NOTE:
NORTH SIDE SHOWN,
SOUTH SIDE SIMILAR.

CONCRETE REPAIR NOTES:

1. CONTRACTOR SHALL ESTABLISH LIMITS OF REPAIRS AS SHOWN ON THE DRAWINGS (SEE NOTE 2) AND AT THE DIRECTION OF THE ENGINEER. THE EXTENT, LOCATIONS AND REPAIR TYPE ARE TO BE FIELD VERIFIED AND APPROVED BY THE ENGINEER AFTER THE CONTRACTOR HAS SOUNDED AND MARKED OUT THE REPAIR AREAS. REPAIR CONFIGURATIONS SHOULD BE KEPT AS SIMPLE AS POSSIBLE, PREFERABLY WITH SQUARE CORNERS.
2. REPAIRS SHOWN ON THESE DRAWINGS REFLECT THE CONDITION OF SUBSTRUCTURE DURING TIME OF MASSDOT'S LAST ROUTINE INSPECTION (APRIL 2021).
3. THE LIMITS OF REPAIRS SHALL BE SAWCUT ALONG NEAT LINES TO A DEPTH OF 1" WHERE PRACTICAL TO PRODUCE A CLEAN EDGE.
4. REMOVE DETERIORATED AND UNSOUND CONCRETE, REMOVAL SHALL NOT EXCEED 6" IN DEPTH WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
5. IF REINFORCEMENT BARS ARE OVER 50% EXPOSED, REMOVAL SHALL EXTEND A MINIMUM OF 1" BEYOND THE BAR. UNDERCUT EXPOSED REINFORCING STEEL TO PROVIDE A MINIMUM CLEARANCE OF 1" AROUND BARS. REMOVE ADDITIONAL CONCRETE AS NECESSARY TO PROVIDE MINIMUM REQUIRED THICKNESS OF REPAIR MATERIAL. CARE SHALL BE TAKEN TO PROTECT REINFORCING. ANY REINFORCING DAMAGED AS A RESULT OF CONTRACTORS OPERATIONS SHALL BE REPAIRED, TO THE SATISFACTION OF THE ENGINEER, AT THE CONTRACTORS EXPENSE.
6. MISSING OR DETERIORATED REINFORCING STEEL SHALL BE REPLACED AS DIRECTED BY THE ENGINEER.
7. IF REINFORCING STEEL IS EXPOSED, THEN CLEAN BY MECHANICAL CLEANING AND HIGH PRESSURE WASHING WITH WATER THAT CONTAINS NO DETERGENTS OR BOND INHIBITING MATERIALS. WHERE ACTIVE CORROSION HAS OCCURRED (RUSTING OF DELETERIOUS MATERIAL WHICH COULD INHIBIT BONDING) SANDBLAST STEEL TO WHITE METAL FINISH. ANY REINFORCING WITH 25% OR MORE SECTION LOSS, SHALL BE SUPPLEMENTED.
8. AFTER REMOVAL AND EDGE PREPARATION ARE COMPLETE, REMOVE BOND INHIBITING MATERIALS (DIRT, GREASE, LOOSELY BONDED AGGREGATE) BY ABRASION BLASTING OR HIGH PRESSURE WATER BLASTING WITH WATER THAT CONTAINS NO DETERGENTS OR BOND INHIBITING CHEMICALS. CHECK THE CONCRETE SURFACES AFTER CLEANING TO INSURE THAT THE SURFACE IS FREE FROM ADDITIONAL LOOSE AGGREGATE OR THAT ADDITIONAL DELAMINATIONS ARE NOT PRESENT. SEE SPECIAL PROVISIONS.
9. WHERE NEW CONCRETE IS PLACED IN CONTACT WITH EXISTING CONCRETE, EPOXY BONDING COMPOUND SHALL BE USED AND APPLIED TO EXISTING CONCRETE PRIOR TO PLACEMENT OF REPAIR MATERIAL. THE EPOXY BONDING COMPOUND SHALL BE LISTED ON THE MASSDOT QUALIFIED CONSTRUCTION MATERIALS LIST (QCML).

COMMONWEALTH OF MASSACHUSETTS
MassDOT, Highway Division
APPROVED UNDER PROVISIONS OF
MASS. GEN. LAWS CH 85 S 35
[Signature]
STATE BRIDGE ENGINEER 5/19/2023
DATE

DATE	DESCRIPTION
APRIL 27, 2023	ISSUED FOR CONSTRUCTION
USE ONLY PRINTS OF LATEST DATE	

APPENDIX B

**M.G.L. CH. 131
ORDER OF CONDITIONS**

Order of Conditions Certification

I hereby Certify that I have read and understand all Order of Conditions requirements and conditions applicable to this project and included in this Appendix B, and my responsibilities to comply with all requirements set forth therein.

Signature

Printed Name

Title

Company Name

Date



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:
 248-710
 MassDEP File #
1617929
 eDEP Transaction #
 Northbridge
 City/Town

A. General Information (cont.)

6. Property recorded at the Registry of Deeds for (attach additional information if more than one parcel):
 Worcester
 a. County _____ b. Certificate Number (if registered land) _____
 c. Book _____ d. Page _____
7. Dates: 07/10/2023 09/06/2023 10/04/2023
 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):
Proposed Bridge Repairs Northbridge Church Street Over Blackstone River
 a. Plan Title _____
 Howard Stein Hudson _____ Paul W. Berthiaume _____
 b. Prepared By c. Signed and Stamped by
April 27, 2023 _____ 1 inch = 10 feet
 d. Final Revision Date e. Scale _____
 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
WPA Form 5 – Order of Conditions
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
 248-710
 MassDEP File # 1617929
 eDEP Transaction # _____
 Northbridge
 City/Town

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) 0 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	a. linear feet	b. linear feet	c. linear feet	d. linear feet
5. <input type="checkbox"/> Bordering Vegetated Wetland	a. square feet	b. square feet	c. square feet	d. square feet
6. <input type="checkbox"/> Land Under Waterbodies and Waterways	a. square feet	b. square feet	c. square feet	d. square feet
	e. c/y dredged	f. c/y dredged		
7. <input type="checkbox"/> Bordering Land Subject to Flooding	a. square feet	b. square feet	c. square feet	d. square feet
Cubic Feet Flood Storage	e. cubic feet	f. cubic feet	g. cubic feet	h. cubic feet
8. <input type="checkbox"/> Isolated Land Subject to Flooding	a. square feet	b. square feet		
Cubic Feet Flood Storage	c. cubic feet	d. cubic feet	e. cubic feet	f. cubic feet
9. <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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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	<u> </u> a. square feet	<u> </u> b. square feet		
	<u> </u> c. c/y dredged	<u> </u> 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	<u> </u> a. square feet	<u> </u> b. square feet	<u> </u> c. nourishment cu yd	<u> </u> d. nourishment cu yd
14. <input type="checkbox"/> Coastal Dunes	<u> </u> a. square feet	<u> </u> b. square feet	<u> </u> c. nourishment cu yd	<u> </u> d. nourishment cu yd
15. <input type="checkbox"/> Coastal Banks	<u> </u> a. linear feet	<u> </u> b. linear feet		
16. <input type="checkbox"/> Rocky Intertidal Shores	<u> </u> a. square feet	<u> </u> b. square feet		
17. <input type="checkbox"/> Salt Marshes	<u> </u> a. square feet	<u> </u> b. square feet	<u> </u> c. square feet	<u> </u> d. square feet
18. <input type="checkbox"/> Land Under Salt Ponds	<u> </u> a. square feet	<u> </u> b. square feet		
	<u> </u> c. c/y dredged	<u> </u> d. c/y dredged		
19. <input type="checkbox"/> Land Containing Shellfish	<u> </u> a. square feet	<u> </u> b. square feet	<u> </u> c. square feet	<u> </u> 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			
	<u> </u> a. c/y dredged	<u> </u> b. c/y dredged		
21. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	<u> </u> a. square feet	<u> </u> b. square feet		
22. <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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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.



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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 248-710 "
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.



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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 19(f) through 19(k) with respect to that BMP. Any failure of the proposed responsible party to implement the requirements of Conditions 19(f) through 19(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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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):

Project must comply with conditions required in NHESP letter dated August 17, 2023.

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 Northbridge Conservation Commission hereby finds (check one that applies):

- 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:

Town of Northbridge Wetlands Protection Bylaw 7-700
 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):

Project must comply with conditions required in NHESP letter dated August 17, 2023.



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E. Signatures

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

10/04/2023

1. Date of Issuance

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

5

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

2. Number of Signers

The Order must be mailed by certified mail (return receipt requested) or hand delivered to the applicant. A copy also must be mailed or hand delivered at the same time to the appropriate Department of Environmental Protection Regional Office, if not filing electronically, and the property owner, if different from applicant.

<u>Richard Chiras</u> Signature	<u>Richard Chiras</u> Printed Name
<u>Barbara McNamee</u> Signature	<u>Barbara McNamee</u> Printed Name
<u>[Signature]</u> Signature	<u>JUSTIN ARBUCKLE</u> Printed Name
<u>[Signature]</u> Signature	<u>Cynthia Cumiskey</u> Printed Name
<u>Justin Carrol</u> Signature	<u>Justine carroll</u> Printed Name
_____ Signature	_____ Printed Name
_____ Signature	_____ Printed Name
_____ Signature	_____ Printed Name

by hand delivery on

by certified mail, return receipt requested, on

October 10, 2023
Date

Date



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

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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.



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G. Recording Information

Prior to commencement of work, this Order of Conditions must be 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 subject to the Order. In the case of registered land, this Order shall also be noted on the Land Court Certificate of Title of the owner of the land subject to the Order of Conditions. The recording information on this page shall be submitted to the Conservation Commission listed below.

 Conservation Commission

Detach on dotted line, have stamped by the Registry of Deeds and submit to the Conservation Commission.

To:

 Conservation Commission

Please be advised that the Order of Conditions for the Project at:

 Project Location

 MassDEP File Number

Has been recorded at the Registry of Deeds of:

 County

 Book

 Page

for:

 Property Owner

and has been noted in the chain of title of the affected property in:

 Book

 Page

In accordance with the Order of Conditions issued on:

 Date

If recorded land, the instrument number identifying this transaction is:

 Instrument Number

If registered land, the document number identifying this transaction is:

 Document Number

 Signature of Applicant



Massachusetts Department of Environmental Protection
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DEP File Number:

**Request for Departmental Action Fee
Transmittal Form**

Provided by DEP

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

A. Request Information

1. Location of Project

a. Street Address	b. City/Town, Zip
c. Check number	d. Fee amount

2. Person or party making request (if appropriate, name the citizen group's representative):

Name

Mailing Address

City/Town	State	Zip Code
-----------	-------	----------

Phone Number

Fax Number (if applicable)

3. Applicant (as shown on Determination of Applicability (Form 2), Order of Resource Area Delineation (Form 4B), Order of Conditions (Form 5), Restoration Order of Conditions (Form 5A), or Notice of Non-Significance (Form 6)):

Name

Mailing Address

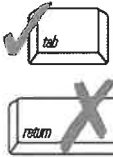
City/Town	State	Zip Code
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Phone Number

Fax Number (if applicable)

4. DEP File Number:

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



B. Instructions

1. When the Departmental action request is for (check one):

- Superseding Order of Conditions – Fee: \$120.00 (single family house projects) or \$245 (all other projects)
- Superseding Determination of Applicability – Fee: \$120
- Superseding Order of Resource Area Delineation – Fee: \$120



Massachusetts Department of Environmental Protection
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**Request for Departmental Action Fee
Transmittal Form**

DEP File Number:

Provided by DEP

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

B. Instructions (cont.)

Send this form and check or money order, payable to the *Commonwealth of Massachusetts*, to:

Department of Environmental Protection
Box 4062
Boston, MA 02211

2. On a separate sheet attached to this form, state clearly and concisely the objections to the Determination or Order which is being appealed. To the extent that the Determination or Order is based on a municipal bylaw, and not on the Massachusetts Wetlands Protection Act or regulations, the Department has no appellate jurisdiction.
3. Send a **copy** of this form and a **copy** of the check or money order with the Request for a Superseding Determination or Order by certified mail or hand delivery to the appropriate DEP Regional Office (see <https://www.mass.gov/service-details/massdep-regional-offices-by-community>).
4. 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.



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A. General Information (cont.)

6. Property recorded at the Registry of Deeds for (attach additional information if more than one parcel):
Worcester
a. County _____ b. Certificate Number (if registered land) _____
c. Book _____ d. Page _____
7. Dates: 07/10/2023 08/16/2023 10/04/2023
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):
Proposed Bridge Repairs Northbridge Linwood Avenue Over Linwood Pond
a. Plan Title _____
Howard Stein Hudson _____ Paul W. Berthiaume _____
b. Prepared By c. Signed and Stamped by
April 27, 2023 _____ 1 inch = 10 feet _____
d. Final Revision Date e. Scale _____
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.



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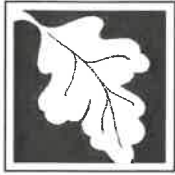
B. Findings (cont.)

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) 0 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	a. linear feet	b. linear feet	c. linear feet	d. linear feet
5. <input type="checkbox"/> Bordering Vegetated Wetland	a. square feet	b. square feet	c. square feet	d. square feet
6. <input type="checkbox"/> Land Under Waterbodies and Waterways	a. square feet e. c/y dredged	b. square feet f. c/y dredged	c. square feet	d. square feet
7. <input type="checkbox"/> Bordering Land Subject to Flooding	a. square feet	b. square feet	c. square feet	d. square feet
Cubic Feet Flood Storage	e. cubic feet	f. cubic feet	g. cubic feet	h. cubic feet
8. <input type="checkbox"/> Isolated Land Subject to Flooding	a. square feet	b. square feet		
Cubic Feet Flood Storage	c. cubic feet	d. cubic feet	e. cubic feet	f. cubic feet
9. <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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 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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1617886
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 City/Town

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	<u> </u> a. square feet	<u> </u> b. square feet		
	<u> </u> c. c/y dredged	<u> </u> 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	<u> </u> a. square feet	<u> </u> b. square feet	<u> </u> c. nourishment cu yd	<u> </u> d. nourishment cu yd
14. <input type="checkbox"/> Coastal Dunes	<u> </u> a. square feet	<u> </u> b. square feet	<u> </u> c. nourishment cu yd	<u> </u> d. nourishment cu yd
15. <input type="checkbox"/> Coastal Banks	<u> </u> a. linear feet	<u> </u> b. linear feet		
16. <input type="checkbox"/> Rocky Intertidal Shores	<u> </u> a. square feet	<u> </u> b. square feet		
17. <input type="checkbox"/> Salt Marshes	<u> </u> a. square feet	<u> </u> b. square feet	<u> </u> c. square feet	<u> </u> d. square feet
18. <input type="checkbox"/> Land Under Salt Ponds	<u> </u> a. square feet	<u> </u> b. square feet		
	<u> </u> c. c/y dredged	<u> </u> d. c/y dredged		
19. <input type="checkbox"/> Land Containing Shellfish	<u> </u> a. square feet	<u> </u> b. square feet	<u> </u> c. square feet	<u> </u> 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			
	<u> </u> a. c/y dredged	<u> </u> b. c/y dredged		
21. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	<u> </u> a. square feet	<u> </u> b. square feet		
22. <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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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.



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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 248-709 ”
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.



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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 19(f) through 19(k) with respect to that BMP. Any failure of the proposed responsible party to implement the requirements of Conditions 19(f) through 19(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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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):

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 Northbridge Conservation Commission hereby finds (check one that applies):
 - 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:

Town of Northbridge Wetlands Protection Bylaw	7-700
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):



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E. Signatures

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

10/04/2023

1. Date of Issuance

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

5

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

2. Number of Signers

The Order must be mailed by certified mail (return receipt requested) or hand delivered to the applicant. A copy also must be mailed or hand delivered at the same time to the appropriate Department of Environmental Protection Regional Office, if not filing electronically, and the property owner, if different from applicant.

Richard Chiras
 Signature

Barbara McNamee
 Signature

[Signature]
 Signature

[Signature]
 Signature

Justine Carroll
 Signature

Richard Chiras
 Printed Name

Barbara McNamee
 Printed Name

JUSTIN ABDULKE
 Printed Name

Cynthia Cumiskey
 Printed Name

Justine Carroll
 Printed Name

Signature _____

Signature _____

Signature _____

Printed Name _____

Printed Name _____

Printed Name _____

by hand delivery on
October 10, 2023
 Date

by certified mail, return receipt requested, on

 Date



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Provided by MassDEP:
248-709

MassDEP File #

161 78 86

eDEP Transaction #

Northbridge

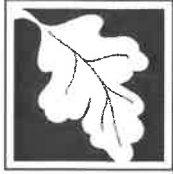
City/Town

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.



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G. Recording Information

Prior to commencement of work, this Order of Conditions must be 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 subject to the Order. In the case of registered land, this Order shall also be noted on the Land Court Certificate of Title of the owner of the land subject to the Order of Conditions. The recording information on this page shall be submitted to the Conservation Commission listed below.

Conservation Commission

Detach on dotted line, have stamped by the Registry of Deeds and submit to the Conservation Commission.

To:

Conservation Commission

Please be advised that the Order of Conditions for the Project at:

Project Location

MassDEP File Number

Has been recorded at the Registry of Deeds of:

County

Book

Page

for:

Property Owner

and has been noted in the chain of title of the affected property in:

Book

Page

In accordance with the Order of Conditions issued on:

Date

If recorded land, the instrument number identifying this transaction is:

Instrument Number

If registered land, the document number identifying this transaction is:

Document Number

Signature of Applicant



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

DEP File Number:

**Request for Departmental Action Fee
Transmittal Form**

Provided by DEP

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

A. Request Information

1. Location of Project

a. Street Address	b. City/Town, Zip
c. Check number	d. Fee amount

2. Person or party making request (if appropriate, name the citizen group's representative):

Name

Mailing Address

City/Town	State	Zip Code
Phone Number	Fax Number (if applicable)	

3. Applicant (as shown on Determination of Applicability (Form 2), Order of Resource Area Delineation (Form 4B), Order of Conditions (Form 5), Restoration Order of Conditions (Form 5A), or Notice of Non-Significance (Form 6)):

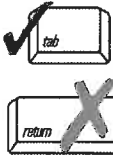
Name

Mailing Address

City/Town	State	Zip Code
Phone Number	Fax Number (if applicable)	

4. DEP File Number:

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



B. Instructions

1. When the Departmental action request is for (check one):

- Superseding Order of Conditions – Fee: \$120.00 (single family house projects) or \$245 (all other projects)
- Superseding Determination of Applicability – Fee: \$120
- Superseding Order of Resource Area Delineation – Fee: \$120



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
Request for Departmental Action Fee
Transmittal Form

DEP File Number:

Provided by DEP

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

B. Instructions (cont.)

Send this form and check or money order, payable to the *Commonwealth of Massachusetts*, to:

Department of Environmental Protection
Box 4062
Boston, MA 02211

2. On a separate sheet attached to this form, state clearly and concisely the objections to the Determination or Order which is being appealed. To the extent that the Determination or Order is based on a municipal bylaw, and not on the Massachusetts Wetlands Protection Act or regulations, the Department has no appellate jurisdiction.
3. Send a **copy** of this form and a **copy** of the check or money order with the Request for a Superseding Determination or Order by certified mail or hand delivery to the appropriate DEP Regional Office (see <https://www.mass.gov/service-details/massdep-regional-offices-by-community>).
4. 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.

APPENDIX C

**THE COMMONWEALTH OF MASSACHUSETTS PREVAILING WAGE RATES FOR THIS PROJECT
ARE ON THE FOLLOWING PAGES**



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

MAURA HEALEY
Governor

KIM DRISCOLL
Lt. Governor

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

LAUREN JONES
Secretary

MICHAEL FLANAGAN
Director

Awarding Authority: Northbridge - Department of Public Works **City/Town:** NORTHBRIDGE
Contract Number:
Description of Work: Rehabilitation of 3 existing bridges, including concrete work, steel repairs, guardrail, sidewalk, paving, and pavement markings.
Job Location: 11 Fletcher St, Whitinsville, MA 01588

Information about Prevailing Wage Schedules for Awarding Authorities and Contractors

- 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 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, the 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. The updated wage schedule must be provided to all contractors, including general and sub-contractors, working on the construction project.
- This annual update requirement is generally not applicable to 27F “rental of equipment” contracts. For such contracts, the prevailing wage rates issued by DLS shall remain in effect for the duration of the contract term. However, if the prevailing wage rate sheet issued does not contain wage rates for each year covered by the contract term, the Awarding Authority must request updated rate sheets from DLS and provide them to the contractor to ensure the correct rates are being paid throughout the duration of the contract. Additionally, if an Awarding Authority exercises an option to renew or extend the contract term, they must request updated rate sheets from DLS and provide them to the contractor.
- 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 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 a sub-contractor.
- Apprentices working on the project are required to be registered with the Massachusetts Division of Apprentice Standards (DAS). Apprentices must keep their apprentice identification card on their persons 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 DAS regardless of whether they are registered with another federal, state, local, or private agency must be paid the journeyworker's rate.**
- Every contractor or subcontractor working on the construction project must 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. For a sample payroll reporting form go to <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.
- Contractors must obtain the wage schedules from awarding authorities. Failure of a contractor or subcontractor to pay the prevailing wage rates listed on the wage schedule to all employees who perform construction work on the project is a violation of the law and subjects the contractor or subcontractor to civil and criminal penalties.
- Employees not receiving the prevailing wage rate set forth on the wage schedule may file a complaint with the Fair Labor Division of the office of the Attorney General at (617) 727-3465.

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
(2 AXLE) DRIVER - EQUIPMENT	1/1/2026	\$40.95	\$16.17	\$21.78	\$0.00	\$0.00	\$78.90
TEAMSTERS JOINT COUNCIL NO. 10	6/1/2026	\$41.95	\$16.17	\$21.78	\$0.00	\$0.00	\$79.90
TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	12/1/2026	\$41.95	\$16.17	\$23.52	\$0.00	\$0.00	\$81.64
	1/1/2027	\$41.95	\$16.77	\$23.52	\$0.00	\$0.00	\$82.24
(3 AXLE) DRIVER - EQUIPMENT	1/1/2026	\$41.02	\$16.17	\$21.78	\$0.00	\$0.00	\$78.97
TEAMSTERS JOINT COUNCIL NO. 10	6/1/2026	\$42.02	\$16.17	\$21.78	\$0.00	\$0.00	\$79.97
TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	12/1/2026	\$42.02	\$16.17	\$23.52	\$0.00	\$0.00	\$81.71
	1/1/2027	\$42.02	\$16.77	\$23.52	\$0.00	\$0.00	\$82.31
(4 & 5 AXLE) DRIVER - EQUIPMENT	1/1/2026	\$41.14	\$16.17	\$21.78	\$0.00	\$0.00	\$79.09
TEAMSTERS JOINT COUNCIL NO. 10	6/1/2026	\$42.14	\$16.17	\$21.78	\$0.00	\$0.00	\$80.09
TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	12/1/2026	\$42.14	\$16.17	\$23.52	\$0.00	\$0.00	\$81.83
	1/1/2027	\$42.14	\$16.77	\$23.52	\$0.00	\$0.00	\$82.43
ADS/SUBMERSIBLE PILOT	8/1/2024	\$117.16	\$10.08	\$11.62	\$12.67	\$0.00	\$151.53
PILE DRIVER LOCAL 56							
PILE DRIVER LOCAL 56 (ZONE 2)							
For apprentice rates see "Apprentice- PILE DRIVER"							
AIR TRACK OPERATOR	12/1/2025	\$41.22	\$10.65	\$9.75	\$9.11	\$0.00	\$70.73
LABORERS	6/1/2026	\$42.66	\$10.65	\$9.75	\$9.11	\$0.00	\$72.17
LABORERS - ZONE 2	12/1/2026	\$44.10	\$10.65	\$9.75	\$9.11	\$0.00	\$73.61
	6/1/2027	\$45.55	\$10.65	\$9.75	\$9.11	\$0.00	\$75.06
	12/1/2027	\$47.00	\$10.65	\$9.75	\$9.11	\$0.00	\$76.51
	6/1/2028	\$48.50	\$10.65	\$9.75	\$9.11	\$0.00	\$78.01
	12/1/2028	\$50.00	\$10.65	\$9.75	\$9.11	\$0.00	\$79.51
For apprentice rates see "Apprentice- LABORER"							
AIR TRACK OPERATOR (HEAVY & HIGHWAY)	12/1/2025	\$41.22	\$10.65	\$9.75	\$9.21	\$0.00	\$70.83
LABORERS	6/1/2026	\$42.66	\$10.65	\$9.75	\$9.21	\$0.00	\$72.27
LABORERS - ZONE 2 (HEAVY & HIGHWAY)	12/1/2026	\$44.10	\$10.65	\$9.75	\$9.21	\$0.00	\$73.71
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"							
ASBESTOS WORKER (PIPES & TANKS)	12/1/2025	\$44.80	\$14.50	\$4.30	\$6.75	\$0.00	\$70.35
HEAT & FROST INSULATORS LOCAL 6							
HEAT & FROST INSULATORS LOCAL 6 (WORCESTER)							
ASPHALT RAKER	12/1/2025	\$40.72	\$10.65	\$9.75	\$9.11	\$0.00	\$70.23
LABORERS	6/1/2026	\$42.16	\$10.65	\$9.75	\$9.11	\$0.00	\$71.67
LABORERS - ZONE 2	12/1/2026	\$43.60	\$10.65	\$9.75	\$9.11	\$0.00	\$73.11
	6/1/2027	\$45.05	\$10.65	\$9.75	\$9.11	\$0.00	\$74.56
	12/1/2027	\$46.50	\$10.65	\$9.75	\$9.11	\$0.00	\$76.01
	6/1/2028	\$48.00	\$10.65	\$9.75	\$9.11	\$0.00	\$77.51
	12/1/2028	\$49.50	\$10.65	\$9.75	\$9.11	\$0.00	\$79.01
For apprentice rates see "Apprentice- LABORER"							
ASPHALT RAKER (HEAVY & HIGHWAY)	12/1/2025	\$40.72	\$10.65	\$9.75	\$9.21	\$0.00	\$70.33
LABORERS	6/1/2026	\$42.16	\$10.65	\$9.75	\$9.21	\$0.00	\$71.77
LABORERS - ZONE 2 (HEAVY & HIGHWAY)	12/1/2026	\$43.60	\$10.65	\$9.75	\$9.21	\$0.00	\$73.21

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)							
ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE	12/1/2025	\$58.68	\$16.55	\$13.35	\$3.25	\$0.00	\$91.83
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$59.38	\$17.05	\$13.35	\$3.25	\$0.00	\$93.03
OPERATING ENGINEERS LOCAL 4	12/1/2026	\$60.83	\$17.05	\$13.35	\$3.25	\$0.00	\$94.48
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
BACKHOE/FRONT-END LOADER	12/1/2025	\$58.68	\$16.55	\$13.35	\$3.25	\$0.00	\$91.83
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$59.38	\$17.05	\$13.35	\$3.25	\$0.00	\$93.03
OPERATING ENGINEERS LOCAL 4	12/1/2026	\$60.83	\$17.05	\$13.35	\$3.25	\$0.00	\$94.48
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
BARCO-TYPE JUMPING TAMPER	12/1/2025	\$40.72	\$10.65	\$9.75	\$9.11	\$0.00	\$70.23
LABORERS	6/1/2026	\$42.16	\$10.65	\$9.75	\$9.11	\$0.00	\$71.67
LABORERS - ZONE 2	12/1/2026	\$43.60	\$10.65	\$9.75	\$9.11	\$0.00	\$73.11
	6/1/2027	\$45.05	\$10.65	\$9.75	\$9.11	\$0.00	\$74.56
	12/1/2027	\$46.50	\$10.65	\$9.75	\$9.11	\$0.00	\$76.01
	6/1/2028	\$48.00	\$10.65	\$9.75	\$9.11	\$0.00	\$77.51
	12/1/2028	\$49.50	\$10.65	\$9.75	\$9.11	\$0.00	\$79.01
For apprentice rates see "Apprentice- LABORER"							
BLOCK PAVER, RAMMER / CURB SETTER	12/1/2025	\$41.22	\$10.65	\$9.75	\$9.11	\$0.00	\$70.73
LABORERS	6/1/2026	\$42.66	\$10.65	\$9.75	\$9.11	\$0.00	\$72.17
LABORERS - ZONE 2	12/1/2026	\$44.10	\$10.65	\$9.75	\$9.11	\$0.00	\$73.61
	6/1/2027	\$45.55	\$10.65	\$9.75	\$9.11	\$0.00	\$75.06
	12/1/2027	\$47.00	\$10.65	\$9.75	\$9.11	\$0.00	\$76.51
	6/1/2028	\$48.50	\$10.65	\$9.75	\$9.11	\$0.00	\$78.01
	12/1/2028	\$50.00	\$10.65	\$9.75	\$9.11	\$0.00	\$79.51
For apprentice rates see "Apprentice- LABORER"							
BLOCK PAVER, RAMMER / CURB SETTER (HEAVY & HIGHWAY)	12/1/2025	\$41.22	\$10.65	\$9.75	\$9.21	\$0.00	\$70.83
LABORERS	6/1/2026	\$42.66	\$10.65	\$9.75	\$9.21	\$0.00	\$72.27
LABORERS - ZONE 2 (HEAVY & HIGHWAY)	12/1/2026	\$44.10	\$10.65	\$9.75	\$9.21	\$0.00	\$73.71
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)							
BOILER MAKER	1/1/2024	\$48.12	\$7.07	\$14.60	\$6.00	\$0.00	\$75.79
BOILERMAKERS LOCAL 29							
BOILERMAKERS LOCAL 29							

Apprentice: BOILER MAKER							
Effective Date: 1/1/2024							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	65.00	\$31.28	\$7.07	\$9.32	\$3.90	\$0.00	\$51.57
2	65.00	\$31.28	\$7.07	\$9.32	\$3.90	\$0.00	\$51.57
3	70.00	\$33.68	\$7.07	\$10.03	\$4.20	\$0.00	\$54.98
4	75.00	\$36.09	\$7.07	\$10.74	\$4.50	\$0.00	\$58.40
5	80.00	\$38.50	\$7.07	\$11.45	\$4.80	\$0.00	\$61.82
6	85.00	\$40.90	\$7.07	\$12.18	\$5.10	\$0.00	\$65.25

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: BOILER MAKER							
Effective Date: 1/1/2024							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
7	90.00	\$43.31	\$7.07	\$12.88	\$5.40	\$0.00	\$68.66
8	95.00	\$45.71	\$7.07	\$13.62	\$5.70	\$0.00	\$72.10
Apprentice to Journeyworker Ratio: 1:4							
BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING)	2/1/2026	\$65.81	\$12.84	\$15.57	\$7.33	\$0.00	\$101.55
BRICKLAYERS LOCAL 3	8/1/2026	\$68.01	\$12.84	\$15.57	\$7.33	\$0.00	\$103.75
BRICKLAYERS LOCAL 3 (WORCESTER)	2/1/2027	\$69.41	\$12.84	\$15.57	\$7.33	\$0.00	\$105.15
Apprentice: BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING)							
Effective Date: 2/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$32.91	\$12.84	\$15.57	\$7.33	\$0.00	\$68.65
2	60.00	\$39.49	\$12.84	\$15.57	\$7.33	\$0.00	\$75.23
3	70.00	\$46.07	\$12.84	\$15.57	\$7.33	\$0.00	\$81.81
4	80.00	\$52.65	\$12.84	\$15.57	\$7.33	\$0.00	\$88.39
5	90.00	\$59.23	\$12.84	\$15.57	\$7.33	\$0.00	\$94.97
Apprentice: BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING)							
Effective Date: 8/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$34.01	\$12.84	\$15.57	\$7.33	\$0.00	\$69.75
2	60.00	\$40.81	\$12.84	\$15.57	\$7.33	\$0.00	\$76.55
3	70.00	\$47.61	\$12.84	\$15.57	\$7.33	\$0.00	\$83.35
4	80.00	\$54.41	\$12.84	\$15.57	\$7.33	\$0.00	\$90.15
5	90.00	\$61.21	\$12.84	\$15.57	\$7.33	\$0.00	\$96.95
Apprentice to Journeyworker Ratio: 1:5							
BULLDOZER/GRADER/SCRAPER OPERATING ENGINEERS LOCAL 4	12/1/2025	\$58.02	\$16.55	\$13.35	\$3.25	\$0.00	\$91.17
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$58.70	\$17.05	\$13.35	\$3.25	\$0.00	\$92.35
OPERATING ENGINEERS LOCAL 4	12/1/2026	\$60.14	\$17.05	\$13.35	\$3.25	\$0.00	\$93.79
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
CAISSON & UNDERPINNING BOTTOM MAN LABORERS	12/1/2025	\$49.10	\$10.65	\$9.75	\$9.80	\$0.00	\$79.30
LABORERS - FOUNDATION AND MARINE	6/1/2026	\$50.65	\$10.65	\$9.75	\$9.80	\$0.00	\$80.85
LABORERS	12/1/2026	\$52.15	\$10.65	\$9.75	\$9.80	\$0.00	\$82.35
For apprentice rates see "Apprentice- LABORER"							
CAISSON & UNDERPINNING LABORER LABORERS	12/1/2025	\$47.95	\$10.65	\$9.75	\$9.80	\$0.00	\$78.15
LABORERS	6/1/2026	\$49.50	\$10.65	\$9.75	\$9.80	\$0.00	\$79.70

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
LABORERS - FOUNDATION AND MARINE	12/1/2026	\$51.00	\$10.65	\$9.75	\$9.80	\$0.00	\$81.20

For apprentice rates see "Apprentice- LABORER"

CAISSON & UNDERPINNING TOP MAN LABORERS	12/1/2025	\$48.28	\$10.65	\$9.75	\$9.80	\$0.00	\$78.48
LABORERS - FOUNDATION AND MARINE	6/1/2026	\$49.83	\$10.65	\$9.75	\$9.80	\$0.00	\$80.03
	12/1/2026	\$51.33	\$10.65	\$9.75	\$9.80	\$0.00	\$81.53

For apprentice rates see "Apprentice- LABORER"

CARBIDE CORE DRILL OPERATOR LABORERS	12/1/2025	\$40.72	\$10.65	\$9.75	\$9.11	\$0.00	\$70.23
LABORERS - ZONE 2	6/1/2026	\$42.16	\$10.65	\$9.75	\$9.11	\$0.00	\$71.67
	12/1/2026	\$43.60	\$10.65	\$9.75	\$9.11	\$0.00	\$73.11
	6/1/2027	\$45.05	\$10.65	\$9.75	\$9.11	\$0.00	\$74.56
	12/1/2027	\$46.50	\$10.65	\$9.75	\$9.11	\$0.00	\$76.01
	6/1/2028	\$48.00	\$10.65	\$9.75	\$9.11	\$0.00	\$77.51
	12/1/2028	\$49.50	\$10.65	\$9.75	\$9.11	\$0.00	\$79.01

For apprentice rates see "Apprentice- LABORER"

CARPENTER	3/1/2026	\$50.85	\$11.08	\$11.47	\$8.50	\$0.00	\$81.90
CARPENTERS	9/1/2026	\$52.10	\$11.08	\$11.47	\$8.50	\$0.00	\$83.15
CARPENTERS -ZONE 2 (Eastern Massachusetts)	3/1/2027	\$53.35	\$11.08	\$11.47	\$8.50	\$0.00	\$84.40

Apprentice: CARPENTER							
Effective Date: 3/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	45.00	\$22.88	\$11.08	\$0.00	\$1.73	\$0.00	\$35.69
2	45.00	\$22.88	\$11.08	\$0.00	\$1.73	\$0.00	\$35.69
3	55.00	\$27.97	\$11.08	\$0.00	\$3.40	\$0.00	\$42.45
4	55.00	\$27.97	\$11.08	\$0.00	\$3.40	\$0.00	\$42.45
5	70.00	\$35.60	\$11.08	\$11.41	\$5.10	\$0.00	\$63.19
6	70.00	\$35.60	\$11.08	\$11.41	\$5.10	\$0.00	\$63.19
7	80.00	\$40.68	\$11.08	\$11.44	\$6.80	\$0.00	\$70.00
8	80.00	\$40.68	\$11.08	\$11.44	\$6.80	\$0.00	\$70.00

Apprentice: CARPENTER							
Effective Date: 9/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	45.00	\$23.45	\$11.08	\$0.00	\$1.73	\$0.00	\$36.26
2	45.00	\$23.45	\$11.08	\$0.00	\$1.73	\$0.00	\$36.26
3	55.00	\$28.66	\$11.08	\$0.00	\$3.40	\$0.00	\$43.14
4	55.00	\$28.66	\$11.08	\$0.00	\$3.40	\$0.00	\$43.14
5	70.00	\$36.47	\$11.08	\$11.41	\$5.10	\$0.00	\$64.06
6	70.00	\$36.47	\$11.08	\$11.41	\$5.10	\$0.00	\$64.06
7	80.00	\$41.68	\$11.08	\$11.44	\$6.80	\$0.00	\$71.00
8	80.00	\$41.68	\$11.08	\$11.44	\$6.80	\$0.00	\$71.00

Apprentice to Journeyworker Ratio: 1:5

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
CARPENTER WOOD FRAME	10/1/2025	\$27.37	\$7.38	\$4.47	\$1.00	\$0.00	\$40.22
CARPENTERS	10/1/2026	\$28.47	\$7.38	\$4.47	\$1.00	\$0.00	\$41.32
CARPENTERS-ZONE 3 (Wood Frame)							
All Aspects of New Wood Frame Work							

Apprentice: CARPENTER WOOD FRAME							
Effective Date: 10/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	60.00	\$16.42	\$7.38	\$0.00	\$0.00	\$0.00	\$23.80
2	60.00	\$16.42	\$7.38	\$0.00	\$0.00	\$0.00	\$23.80
3	65.00	\$17.79	\$7.38	\$0.00	\$1.00	\$0.00	\$26.17
4	70.00	\$19.16	\$7.38	\$0.00	\$1.00	\$0.00	\$27.54
5	75.00	\$20.53	\$7.38	\$3.80	\$1.00	\$0.00	\$32.71
6	80.00	\$21.90	\$7.38	\$3.80	\$1.00	\$0.00	\$34.08
7	85.00	\$23.26	\$7.38	\$3.80	\$1.00	\$0.00	\$35.44
8	90.00	\$24.63	\$7.38	\$3.80	\$1.00	\$0.00	\$36.81

Apprentice: CARPENTER WOOD FRAME							
Effective Date: 10/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	60.00	\$17.08	\$7.38	\$0.00	\$0.00	\$0.00	\$24.46
2	60.00	\$17.08	\$7.38	\$0.00	\$0.00	\$0.00	\$24.46
3	65.00	\$18.51	\$7.38	\$0.00	\$1.00	\$0.00	\$26.89
4	70.00	\$19.93	\$7.38	\$0.00	\$1.00	\$0.00	\$28.31
5	75.00	\$21.35	\$7.38	\$3.80	\$1.00	\$0.00	\$33.53
6	80.00	\$22.78	\$7.38	\$3.80	\$1.00	\$0.00	\$34.96
7	85.00	\$24.20	\$7.38	\$3.80	\$1.00	\$0.00	\$36.38
8	90.00	\$25.62	\$7.38	\$3.80	\$1.00	\$0.00	\$37.80

Apprentice to Journeyworker Ratio: 1:5

CEMENT MASONRY/PLASTERING	1/1/2026	\$53.24	\$13.35	\$16.43	\$7.78	\$1.80	\$92.60
PLASTERERS AND CEMENT MASONS LOCAL 534	7/1/2026	\$54.49	\$13.35	\$16.43	\$7.78	\$1.80	\$93.85
Plasterers and Cement Masons - Zone 1	1/1/2027	\$55.94	\$13.35	\$16.43	\$7.78	\$1.80	\$95.30
	7/1/2027	\$57.29	\$13.35	\$16.43	\$7.78	\$1.80	\$96.65
	1/1/2028	\$58.64	\$13.35	\$16.43	\$7.78	\$1.80	\$98.00

Apprentice: CEMENT MASONRY/PLASTERING							
Effective Date: 1/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$26.62	\$13.35	\$16.43	\$0.00	\$0.00	\$56.40
2	60.00	\$31.94	\$13.35	\$16.43	\$7.78	\$1.80	\$71.30
3	65.00	\$34.61	\$13.35	\$16.43	\$7.78	\$1.80	\$73.97
4	70.00	\$37.27	\$13.35	\$16.43	\$7.78	\$1.80	\$76.63

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: CEMENT MASONRY/PLASTERING							
Effective Date: 1/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
5	75.00	\$39.93	\$13.35	\$16.43	\$7.78	\$1.80	\$79.29
6	80.00	\$42.59	\$13.35	\$16.43	\$7.78	\$1.80	\$81.95
7	90.00	\$47.92	\$13.35	\$16.43	\$0.00	\$0.00	\$77.70
Apprentice: CEMENT MASONRY/PLASTERING							
Effective Date: 7/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$27.25	\$13.35	\$16.43	\$0.00	\$0.00	\$57.03
2	60.00	\$32.69	\$13.35	\$16.43	\$7.78	\$1.80	\$72.05
3	65.00	\$35.42	\$13.35	\$16.43	\$7.78	\$1.80	\$74.78
4	70.00	\$38.14	\$13.35	\$16.43	\$7.78	\$1.80	\$77.50
5	75.00	\$40.87	\$13.35	\$16.43	\$7.78	\$1.80	\$80.23
6	80.00	\$43.59	\$13.35	\$16.43	\$7.78	\$1.80	\$82.95
7	90.00	\$49.04	\$13.35	\$0.00	\$7.78	\$0.00	\$70.17
Apprentice to Journeyworker Ratio: 1:5							
CHAIN SAW OPERATOR	12/1/2025	\$40.72	\$10.65	\$9.75	\$9.11	\$0.00	\$70.23
LABORERS	6/1/2026	\$42.16	\$10.65	\$9.75	\$9.11	\$0.00	\$71.67
LABORERS - ZONE 2	12/1/2026	\$43.60	\$10.65	\$9.75	\$9.11	\$0.00	\$73.11
	6/1/2027	\$45.05	\$10.65	\$9.75	\$9.11	\$0.00	\$74.56
	12/1/2027	\$46.50	\$10.65	\$9.75	\$9.11	\$0.00	\$76.01
	6/1/2028	\$48.00	\$10.65	\$9.75	\$9.11	\$0.00	\$77.51
	12/1/2028	\$49.50	\$10.65	\$9.75	\$9.11	\$0.00	\$79.01
For apprentice rates see "Apprentice- LABORER"							
CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES	12/1/2025	\$59.88	\$16.55	\$13.35	\$3.25	\$0.00	\$93.03
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$60.61	\$17.05	\$13.35	\$3.25	\$0.00	\$94.26
OPERATING ENGINEERS LOCAL 4	12/1/2026	\$62.09	\$17.05	\$13.35	\$3.25	\$0.00	\$95.74
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
COMPRESSOR OPERATOR	12/1/2025	\$37.37	\$16.55	\$13.35	\$3.25	\$0.00	\$70.52
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$37.63	\$17.05	\$13.35	\$3.25	\$0.00	\$71.28
OPERATING ENGINEERS LOCAL 4	12/1/2026	\$38.58	\$17.05	\$13.35	\$3.25	\$0.00	\$72.23
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
DELEADER (BRIDGE)	1/1/2026	\$59.56	\$10.35	\$12.00	\$12.60	\$0.00	\$94.51
PAINTERS LOCAL 35							
PAINTERS LOCAL 35 - ZONE 2							

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: DELEADER (BRIDGE)							
Effective Date: 1/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$29.78	\$10.35	\$0.00	\$0.00	\$0.00	\$40.13
2	55.00	\$32.76	\$10.35	\$0.00	\$6.93	\$0.00	\$50.04
3	60.00	\$35.74	\$10.35	\$0.00	\$7.56	\$0.00	\$53.65
4	65.00	\$38.71	\$10.35	\$0.00	\$8.19	\$0.00	\$57.25
5	70.00	\$41.69	\$10.35	\$12.00	\$8.82	\$0.00	\$72.86
6	75.00	\$44.67	\$10.35	\$12.00	\$9.45	\$0.00	\$76.47
7	80.00	\$47.65	\$10.35	\$12.00	\$10.08	\$0.00	\$80.08
8	90.00	\$53.60	\$10.35	\$12.00	\$11.34	\$0.00	\$87.29

Apprentice to Journeyworker Ratio: 1:1

DEMO: ADZEMAN LABORERS	12/1/2025	\$48.00	\$10.65	\$9.75	\$9.65	\$0.00	\$78.05
LABORERS - ZONE 2	6/1/2026	\$49.55	\$10.65	\$9.75	\$9.65	\$0.00	\$79.60
	12/7/2026	\$51.05	\$10.65	\$9.75	\$9.65	\$0.00	\$81.10
	6/7/2027	\$52.65	\$10.65	\$9.75	\$9.65	\$0.00	\$82.70
	12/6/2027	\$54.25	\$10.65	\$9.75	\$9.65	\$0.00	\$84.30
	6/5/2028	\$55.93	\$10.65	\$9.75	\$9.65	\$0.00	\$85.98
	12/4/2028	\$57.60	\$10.65	\$9.75	\$9.65	\$0.00	\$87.65

For apprentice rates see "Apprentice- LABORER"

DEMO: BACKHOE/LOADER/HAMMER OPERATOR LABORERS	12/1/2025	\$49.00	\$10.65	\$9.75	\$9.65	\$0.00	\$79.05
LABORERS - ZONE 2	6/1/2026	\$50.55	\$10.65	\$9.75	\$9.65	\$0.00	\$80.60
	12/7/2026	\$52.05	\$10.65	\$9.75	\$9.65	\$0.00	\$82.10
	6/7/2027	\$53.65	\$10.65	\$9.75	\$9.65	\$0.00	\$83.70
	12/6/2027	\$55.25	\$10.65	\$9.75	\$9.65	\$0.00	\$85.30
	6/5/2028	\$56.93	\$10.65	\$9.75	\$9.65	\$0.00	\$86.98
	12/4/2028	\$58.60	\$10.65	\$9.75	\$9.65	\$0.00	\$88.65

For apprentice rates see "Apprentice- LABORER"

DEMO: BURNERS LABORERS	12/1/2025	\$48.75	\$10.65	\$9.75	\$9.65	\$0.00	\$78.80
LABORERS - ZONE 2	6/1/2026	\$50.30	\$10.65	\$9.75	\$9.65	\$0.00	\$80.35
	12/7/2026	\$51.80	\$10.65	\$9.75	\$9.65	\$0.00	\$81.85
	6/7/2027	\$53.40	\$10.65	\$9.75	\$9.65	\$0.00	\$83.45
	12/6/2027	\$55.00	\$10.65	\$9.75	\$9.65	\$0.00	\$85.05
	6/5/2028	\$56.68	\$10.65	\$9.75	\$9.65	\$0.00	\$86.73
	12/4/2028	\$58.35	\$10.65	\$9.75	\$9.65	\$0.00	\$88.40

For apprentice rates see "Apprentice- LABORER"

DEMO: CONCRETE CUTTER/SAWYER LABORERS	12/1/2025	\$49.00	\$10.65	\$9.75	\$9.65	\$0.00	\$79.05
LABORERS - ZONE 2	6/1/2026	\$50.55	\$10.65	\$9.75	\$9.65	\$0.00	\$80.60
	12/7/2026	\$52.05	\$10.65	\$9.75	\$9.65	\$0.00	\$82.10
	6/7/2027	\$53.65	\$10.65	\$9.75	\$9.65	\$0.00	\$83.70
	12/6/2027	\$55.25	\$10.65	\$9.75	\$9.65	\$0.00	\$85.30
	6/5/2028	\$56.93	\$10.65	\$9.75	\$9.65	\$0.00	\$86.98
	12/4/2028	\$58.60	\$10.65	\$9.75	\$9.65	\$0.00	\$88.65

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- LABORER"							
DEMO: JACKHAMMER OPERATOR	12/1/2025	\$48.75	\$10.65	\$9.75	\$9.65	\$0.00	\$78.80
LABORERS	6/1/2026	\$50.30	\$10.65	\$9.75	\$9.65	\$0.00	\$80.35
LABORERS - ZONE 2	12/7/2026	\$51.80	\$10.65	\$9.75	\$9.65	\$0.00	\$81.85
	6/7/2027	\$53.40	\$10.65	\$9.75	\$9.65	\$0.00	\$83.45
	12/6/2027	\$55.00	\$10.65	\$9.75	\$9.65	\$0.00	\$85.05
	6/5/2028	\$56.68	\$10.65	\$9.75	\$9.65	\$0.00	\$86.73
	12/4/2028	\$58.35	\$10.65	\$9.75	\$9.65	\$0.00	\$88.40
For apprentice rates see "Apprentice- LABORER"							
DEMO: WRECKING LABORER	12/1/2025	\$48.00	\$10.65	\$9.75	\$9.65	\$0.00	\$78.05
LABORERS	6/1/2026	\$49.55	\$10.65	\$9.75	\$9.65	\$0.00	\$79.60
LABORERS - ZONE 2	12/7/2026	\$51.05	\$10.65	\$9.75	\$9.65	\$0.00	\$81.10
	6/7/2027	\$52.65	\$10.65	\$9.75	\$9.65	\$0.00	\$82.70
	12/6/2027	\$54.25	\$10.65	\$9.75	\$9.65	\$0.00	\$84.30
	6/5/2028	\$55.93	\$10.65	\$9.75	\$9.65	\$0.00	\$85.98
	12/4/2028	\$57.60	\$10.65	\$9.75	\$9.65	\$0.00	\$87.65
For apprentice rates see "Apprentice- LABORER"							
DIRECTIONAL DRILL MACHINE OPERATOR	12/1/2025	\$58.02	\$16.55	\$13.35	\$3.25	\$0.00	\$91.17
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$58.70	\$17.05	\$13.35	\$3.25	\$0.00	\$92.35
OPERATING ENGINEERS LOCAL 4	12/1/2026	\$60.14	\$17.05	\$13.35	\$3.25	\$0.00	\$93.79
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
DIVER	8/1/2024	\$78.11	\$10.08	\$11.62	\$12.67	\$0.00	\$112.48
PILE DRIVER LOCAL 56							
PILE DRIVER LOCAL 56 (ZONE 2)							
as of 8-1-24, Apprentices with diving licenses begin at second year. % of Diver wage 70/80/90 2A \$69.83, 3A \$91.79,4A \$102.14 Total Rate							
DIVER TENDER	8/1/2024	\$51.97	\$10.08	\$11.62	\$12.67	\$0.00	\$86.34
PILE DRIVER LOCAL 56							
PILE DRIVER LOCAL 56 (ZONE 2)							
as of 8-1-24, Apprentices with diving licenses begin at second year. % of Piledriver wage 70/80/90 2A \$54.20, 3A \$73.93,4A \$82.05 Total Rate							
DIVER TENDER (EFFLUENT)	8/1/2024	\$83.69	\$10.08	\$11.62	\$12.67	\$0.00	\$118.06
PILE DRIVER LOCAL 56							
PILE DRIVER LOCAL 56 (ZONE 2)							
For apprentice rates see "Apprentice- PILE DRIVER"							
DIVER/SLURRY (EFFLUENT)	8/1/2024	\$117.16	\$10.08	\$11.62	\$12.67	\$0.00	\$151.53
PILE DRIVER LOCAL 56							
PILE DRIVER LOCAL 56 (ZONE 2)							
For apprentice rates see "Apprentice- PILE DRIVER"							
DRAWBRIDGE OPERATOR (Construction)	7/1/2020	\$26.77	\$6.67	\$3.93	\$0.00	\$0.16	\$37.53
DRAWBRIDGE - SEIU LOCAL 888							
DRAWBRIDGE - SEIU LOCAL 888							
ELECTRICIAN	9/7/2025	\$48.16	\$14.98	\$14.30	\$5.30	\$0.00	\$82.74
ELECTRICIANS LOCAL 96	9/6/2026	\$49.38	\$15.96	\$14.57	\$5.43	\$0.00	\$85.34
ELECTRICIANS LOCAL 96							

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: ELEVATOR CONSTRUCTOR							
Effective Date: 1/1/2027							
		Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
4	70.00	\$50.56	\$16.48	\$11.16	\$11.00	\$0.00	\$89.20
5	80.00	\$57.78	\$16.48	\$11.16	\$11.00	\$0.00	\$96.42
Apprentice to Journeyworker Ratio: 1:1							
ELEVATOR CONSTRUCTOR HELPER	1/1/2026	\$48.46	\$16.38	\$11.06	\$10.70	\$0.00	\$86.60
ELEVATOR CONSTRUCTORS LOCAL 41	1/1/2027	\$50.56	\$16.48	\$11.16	\$11.00	\$0.00	\$89.20
ELEVATOR CONSTRUCTORS LOCAL 41							
For apprentice rates see "Apprentice - ELEVATOR CONSTRUCTOR"							
FENCE & GUARD RAIL ERECTOR (HEAVY & HIGHWAY) LABORERS	12/1/2025	\$40.72	\$10.65	\$9.75	\$9.21	\$0.00	\$70.33
LABORERS - ZONE 2 (HEAVY & HIGHWAY)	6/1/2026	\$42.16	\$10.65	\$9.75	\$9.21	\$0.00	\$71.77
	12/1/2026	\$43.60	\$10.65	\$9.75	\$9.21	\$0.00	\$73.21
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"							
FIELD ENG.INST.PERSON-BLDG,SITE,HVY/HWY	5/1/2026	\$54.40	\$16.55	\$13.35	\$3.25	\$0.00	\$87.55
OPERATING ENGINEERS LOCAL 4	11/1/2026	\$55.69	\$16.55	\$13.35	\$3.25	\$0.00	\$88.84
OPERATING ENGINEERS LOCAL 4	5/1/2027	\$57.12	\$16.55	\$13.35	\$3.25	\$0.00	\$90.27
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
FIELD ENG.PARTY CHIEF-BLDG,SITE,HVY/HWY	5/1/2026	\$56.02	\$16.55	\$13.35	\$3.25	\$0.00	\$89.17
OPERATING ENGINEERS LOCAL 4	11/1/2026	\$57.32	\$16.55	\$13.35	\$3.25	\$0.00	\$90.47
OPERATING ENGINEERS LOCAL 4	5/1/2027	\$58.77	\$16.55	\$13.35	\$3.25	\$0.00	\$91.92
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
FIELD ENG.ROD PERSON-BLDG,SITE,HVY/HWY	5/1/2026	\$26.28	\$16.55	\$13.35	\$3.25	\$0.00	\$59.43
OPERATING ENGINEERS LOCAL 4	11/1/2026	\$27.04	\$16.55	\$13.35	\$3.25	\$0.00	\$60.19
OPERATING ENGINEERS LOCAL 4	5/1/2027	\$27.89	\$16.55	\$13.35	\$3.25	\$0.00	\$61.04
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
FIRE ALARM INSTALLER	9/7/2025	\$48.16	\$14.98	\$14.30	\$5.30	\$0.00	\$82.74
ELECTRICIANS LOCAL 96	9/6/2026	\$49.38	\$15.96	\$14.57	\$5.43	\$0.00	\$85.34
ELECTRICIANS LOCAL 96							
For apprentice rates see "Apprentice- ELECTRICIAN"							
FIRE ALARM REPAIR / MAINT/COMMISSIONING	9/7/2025	\$48.16	\$14.98	\$14.30	\$5.30	\$0.00	\$82.74
ELECTRICIANS LOCAL 96	9/6/2026	\$49.38	\$15.96	\$14.57	\$5.43	\$0.00	\$85.34
ELECTRICIANS LOCAL 96							
For apprentice rates see "Apprentice- ELECTRICIAN"							
FIREMAN (ASST. ENGINEER)	12/1/2025	\$47.09	\$16.55	\$13.35	\$3.25	\$0.00	\$80.24
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$47.55	\$17.05	\$13.35	\$3.25	\$0.00	\$81.20
OPERATING ENGINEERS LOCAL 4	12/1/2026	\$48.73	\$17.05	\$13.35	\$3.25	\$0.00	\$82.38
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
FLAGGER & SIGNALER (HEAVY & HIGHWAY) LABORERS	12/1/2025	\$28.09	\$10.65	\$9.75	\$9.21	\$0.00	\$57.70
	6/1/2026	\$29.21	\$10.65	\$9.75	\$9.21	\$0.00	\$58.82

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
LABORERS - ZONE 2 (HEAVY & HIGHWAY)	12/1/2026	\$29.21	\$10.65	\$9.75	\$9.21	\$0.00	\$58.82

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

FLOORCOVERER	3/1/2024	\$48.93	\$10.33	\$11.47	\$8.80	\$0.00	\$79.53
FLOORCOVERERS LOCAL 2168							
FLOORCOVERERS LOCAL 2168 ZONE II							

Apprentice: FLOORCOVERER							
Effective Date: 3/1/2024							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$24.47	\$10.33	\$0.00	\$1.76	\$0.00	\$36.56
2	55.00	\$26.91	\$10.33	\$0.00	\$1.76	\$0.00	\$39.00
3	60.00	\$29.36	\$10.33	\$0.00	\$3.52	\$0.00	\$43.21
4	65.00	\$31.80	\$10.33	\$0.00	\$3.52	\$0.00	\$45.65
5	70.00	\$34.25	\$10.33	\$11.47	\$5.28	\$0.00	\$61.33
6	75.00	\$36.70	\$10.33	\$11.47	\$5.28	\$0.00	\$63.78
7	80.00	\$39.14	\$10.33	\$11.47	\$7.04	\$0.00	\$67.98
8	85.00	\$41.59	\$10.33	\$11.47	\$7.04	\$0.00	\$70.43

Apprentice Notes							
Steps are 750 hrs.							

Apprentice to Journeyworker Ratio: 1:1

FORK LIFT/CHERRY PICKER	12/1/2025	\$58.68	\$16.55	\$13.35	\$3.25	\$0.00	\$91.83
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$59.38	\$17.05	\$13.35	\$3.25	\$0.00	\$93.03
OPERATING ENGINEERS LOCAL 4	12/1/2026	\$60.83	\$17.05	\$13.35	\$3.25	\$0.00	\$94.48

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

GENERATOR/LIGHTING PLANT/HEATERS	12/1/2025	\$37.37	\$16.55	\$13.35	\$3.25	\$0.00	\$70.52
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$37.63	\$17.05	\$13.35	\$3.25	\$0.00	\$71.28
OPERATING ENGINEERS LOCAL 4	12/1/2026	\$38.58	\$17.05	\$13.35	\$3.25	\$0.00	\$72.23

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS)	1/1/2026	\$49.06	\$10.35	\$12.00	\$12.60	\$0.00	\$84.01
GLAZIERS LOCAL 35							
GLAZIERS LOCAL 35 (ZONE 2)							

Apprentice: GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS)							
Effective Date: 1/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$24.53	\$10.35	\$0.00	\$0.00	\$0.00	\$34.88
2	55.00	\$26.98	\$10.35	\$0.00	\$6.88	\$0.00	\$44.21
3	60.00	\$29.44	\$10.35	\$0.00	\$7.50	\$0.00	\$47.29
4	65.00	\$31.89	\$10.35	\$0.00	\$8.13	\$0.00	\$50.37
5	70.00	\$34.34	\$10.35	\$12.00	\$8.75	\$0.00	\$65.44

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- SHEET METAL WORKER"							
HVAC (ELECTRICAL CONTROLS) ELECTRICIANS LOCAL 96	9/7/2025	\$48.16	\$14.98	\$14.30	\$5.30	\$0.00	\$82.74
ELECTRICIANS LOCAL 96	9/6/2026	\$49.38	\$15.96	\$14.57	\$5.43	\$0.00	\$85.34
For apprentice rates see "Apprentice- ELECTRICIAN"							
HVAC (TESTING AND BALANCING - AIR) SHEETMETAL WORKERS LOCAL 63	7/1/2025	\$43.48	\$12.94	\$11.01	\$8.72	\$2.13	\$78.28
SHEETMETAL WORKERS LOCAL 63	7/1/2026	\$43.48	\$13.24	\$11.01	\$9.92	\$2.13	\$79.78
	1/1/2027	\$43.48	\$13.54	\$11.01	\$11.12	\$2.13	\$81.28
	7/1/2027	\$44.98	\$13.54	\$11.01	\$11.12	\$2.13	\$82.78
	1/1/2028	\$46.48	\$13.54	\$11.01	\$11.12	\$2.13	\$84.28
For apprentice rates see "Apprentice- SHEET METAL WORKER"							
HVAC (TESTING AND BALANCING -WATER) PLUMBERS LOCAL 4	3/1/2026	\$55.90	\$13.10	\$9.71	\$8.06	\$0.00	\$86.77
PLUMBERS LOCAL 4							
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"							
HVAC MECHANIC PLUMBERS LOCAL 4	3/1/2026	\$55.90	\$13.10	\$9.71	\$8.06	\$0.00	\$86.77
PLUMBERS LOCAL 4							
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"							
HYDRAULIC DRILLS LABORERS	12/1/2025	\$41.22	\$10.65	\$9.75	\$9.11	\$0.00	\$70.73
LABORERS - ZONE 2	6/1/2026	\$42.66	\$10.65	\$9.75	\$9.11	\$0.00	\$72.17
	12/1/2026	\$44.10	\$10.65	\$9.75	\$9.11	\$0.00	\$73.61
	6/1/2027	\$45.55	\$10.65	\$9.75	\$9.11	\$0.00	\$75.06
	12/1/2027	\$47.00	\$10.65	\$9.75	\$9.11	\$0.00	\$76.51
	6/1/2028	\$48.50	\$10.65	\$9.75	\$9.11	\$0.00	\$78.01
	12/1/2028	\$50.00	\$10.65	\$9.75	\$9.11	\$0.00	\$79.51
For apprentice rates see "Apprentice- LABORER"							
HYDRAULIC DRILLS (HEAVY & HIGHWAY) LABORERS	12/1/2025	\$41.22	\$10.65	\$9.75	\$9.21	\$0.00	\$70.83
LABORERS - ZONE 2 (HEAVY & HIGHWAY)	6/1/2026	\$42.66	\$10.65	\$9.75	\$9.21	\$0.00	\$72.27
	12/1/2026	\$44.10	\$10.65	\$9.75	\$9.21	\$0.00	\$73.71
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"							
INSULATOR (PIPES & TANKS) HEAT & FROST INSULATORS LOCAL 6	9/1/2025	\$54.31	\$14.75	\$9.52	\$10.09	\$0.00	\$88.67
HEAT & FROST INSULATORS LOCAL 6 (WORCESTER)	9/1/2026	\$57.38	\$14.75	\$9.52	\$10.09	\$0.00	\$91.74

Apprentice: INSULATOR (PIPES & TANKS)							
Effective Date: 9/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$27.16	\$14.75	\$9.27	\$5.05	\$0.00	\$56.23
2	60.00	\$32.59	\$14.75	\$9.32	\$6.05	\$0.00	\$62.71
3	70.00	\$38.02	\$14.75	\$9.37	\$7.06	\$0.00	\$69.20
4	80.00	\$43.45	\$14.75	\$9.42	\$8.07	\$0.00	\$75.69

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
LABORERS - ZONE 2	12/1/2026	\$43.35	\$10.65	\$9.75	\$9.11	\$0.00	\$72.86
	6/1/2027	\$44.80	\$10.65	\$9.75	\$9.11	\$0.00	\$74.31
	12/1/2027	\$46.25	\$10.65	\$9.75	\$9.11	\$0.00	\$75.76
	6/1/2028	\$47.75	\$10.65	\$9.75	\$9.11	\$0.00	\$77.26
	12/1/2028	\$49.25	\$10.65	\$9.75	\$9.11	\$0.00	\$78.76

For apprentice rates see "Apprentice- LABORER"

LABORER: CEMENT FINISHER TENDER LABORERS	12/1/2025	\$40.47	\$10.65	\$9.75	\$9.11	\$0.00	\$69.98
LABORERS - ZONE 2	6/1/2026	\$41.91	\$10.65	\$9.75	\$9.11	\$0.00	\$71.42
	12/1/2026	\$43.35	\$10.65	\$9.75	\$9.11	\$0.00	\$72.86
	6/1/2027	\$44.80	\$10.65	\$9.75	\$9.11	\$0.00	\$74.31
	12/1/2027	\$46.25	\$10.65	\$9.75	\$9.11	\$0.00	\$75.76
	6/1/2028	\$47.75	\$10.65	\$9.75	\$9.11	\$0.00	\$77.26
	12/1/2028	\$49.25	\$10.65	\$9.75	\$9.11	\$0.00	\$78.76

For apprentice rates see "Apprentice- LABORER"

LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER LABORERS	12/1/2025	\$40.56	\$10.65	\$9.75	\$9.65	\$0.00	\$70.61
LABORERS - ZONE 2	6/1/2026	\$42.00	\$10.65	\$9.75	\$9.65	\$0.00	\$72.05
	12/7/2026	\$43.44	\$10.65	\$9.75	\$9.65	\$0.00	\$73.49
	6/7/2027	\$44.89	\$10.65	\$9.75	\$9.65	\$0.00	\$74.94
	12/6/2027	\$46.34	\$10.65	\$9.75	\$9.65	\$0.00	\$76.39
	6/5/2028	\$47.84	\$10.65	\$9.75	\$9.65	\$0.00	\$77.89
	12/4/2028	\$49.34	\$10.65	\$9.75	\$9.65	\$0.00	\$79.39

For apprentice rates see "Apprentice- LABORER"

LABORER: MASON TENDER LABORERS	12/1/2025	\$40.72	\$10.65	\$9.75	\$9.11	\$0.00	\$70.23
LABORERS - ZONE 2	6/1/2026	\$42.16	\$10.65	\$9.75	\$9.11	\$0.00	\$71.67
	12/1/2026	\$43.60	\$10.65	\$9.75	\$9.11	\$0.00	\$73.11
	6/1/2027	\$45.05	\$10.65	\$9.75	\$9.11	\$0.00	\$74.56
	12/1/2027	\$46.50	\$10.65	\$9.75	\$9.11	\$0.00	\$76.01
	6/1/2028	\$48.00	\$10.65	\$9.75	\$9.11	\$0.00	\$77.51
	12/1/2028	\$49.50	\$10.65	\$9.75	\$9.11	\$0.00	\$79.01

For apprentice rates see "Apprentice- LABORER"

LABORER: MASON TENDER (HEAVY & HIGHWAY) LABORERS	12/1/2025	\$40.72	\$10.65	\$9.75	\$9.21	\$0.00	\$70.33
LABORERS - ZONE 2 (HEAVY & HIGHWAY)	6/1/2026	\$42.16	\$10.65	\$9.75	\$9.21	\$0.00	\$71.77
	12/1/2026	\$43.60	\$10.65	\$9.75	\$9.21	\$0.00	\$73.21

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

LABORER: MULTI-TRADE TENDER LABORERS	12/1/2025	\$40.47	\$10.65	\$9.75	\$9.11	\$0.00	\$69.98
LABORERS - ZONE 2	6/1/2026	\$41.91	\$10.65	\$9.75	\$9.11	\$0.00	\$71.42
	12/1/2026	\$43.35	\$10.65	\$9.75	\$9.11	\$0.00	\$72.86
	6/1/2027	\$44.80	\$10.65	\$9.75	\$9.11	\$0.00	\$74.31
	12/1/2027	\$46.25	\$10.65	\$9.75	\$9.11	\$0.00	\$75.76
	6/1/2028	\$47.75	\$10.65	\$9.75	\$9.11	\$0.00	\$77.26
	12/1/2028	\$49.25	\$10.65	\$9.75	\$9.11	\$0.00	\$78.76

For apprentice rates see "Apprentice- LABORER"

LABORER: TREE REMOVER LABORERS	12/1/2025	\$40.47	\$10.65	\$9.75	\$9.11	\$0.00	\$69.98
	6/1/2026	\$41.91	\$10.65	\$9.75	\$9.11	\$0.00	\$71.42

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
LABORERS - ZONE 2	12/1/2026	\$43.35	\$10.65	\$9.75	\$9.11	\$0.00	\$72.86
	6/1/2027	\$44.80	\$10.65	\$9.75	\$9.11	\$0.00	\$74.31
	12/1/2027	\$46.25	\$10.65	\$9.75	\$9.11	\$0.00	\$75.76
	6/1/2028	\$47.75	\$10.65	\$9.75	\$9.11	\$0.00	\$77.26
	12/1/2028	\$49.25	\$10.65	\$9.75	\$9.11	\$0.00	\$78.76

This classification applies to the removal of standing trees, and the trimming and removal of branches and limbs when related to public works construction or site clearance incidental to construction . For apprentice rates see "Apprentice- LABORER"

LASER BEAM OPERATOR LABORERS	12/1/2025	\$40.72	\$10.65	\$9.75	\$9.11	\$0.00	\$70.23
LABORERS - ZONE 2	6/1/2026	\$42.16	\$10.65	\$9.75	\$9.11	\$0.00	\$71.67
	12/1/2026	\$43.60	\$10.65	\$9.75	\$9.11	\$0.00	\$73.11
	6/1/2027	\$45.05	\$10.65	\$9.75	\$9.11	\$0.00	\$74.56
	12/1/2027	\$46.50	\$10.65	\$9.75	\$9.11	\$0.00	\$76.01
	6/1/2028	\$48.00	\$10.65	\$9.75	\$9.11	\$0.00	\$77.51
	12/1/2028	\$49.50	\$10.65	\$9.75	\$9.11	\$0.00	\$79.01

For apprentice rates see "Apprentice- LABORER"

LASER BEAM OPERATOR (HEAVY & HIGHWAY) LABORERS	12/1/2025	\$40.72	\$10.65	\$9.75	\$9.21	\$0.00	\$70.33
LABORERS - ZONE 2 (HEAVY & HIGHWAY)	6/1/2026	\$42.16	\$10.65	\$9.75	\$9.21	\$0.00	\$71.77
	12/1/2026	\$43.60	\$10.65	\$9.75	\$9.21	\$0.00	\$73.21

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

MARBLE & TILE FINISHERS BRICKLAYERS LOCAL 3	2/1/2026	\$52.08	\$12.84	\$15.57	\$5.78	\$0.00	\$86.27
BRICKLAYERS LOCAL 3 - MARBLE & TILE	8/1/2026	\$53.84	\$12.84	\$15.57	\$5.78	\$0.00	\$88.03
	2/1/2027	\$54.96	\$12.84	\$15.57	\$5.78	\$0.00	\$89.15

Apprentice: MARBLE & TILE FINISHERS							
Effective Date: 2/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$26.04	\$12.84	\$15.57	\$5.78	\$0.00	\$60.23
2	60.00	\$31.25	\$12.84	\$15.57	\$5.78	\$0.00	\$65.44
3	70.00	\$36.46	\$12.84	\$15.57	\$5.78	\$0.00	\$70.65
4	80.00	\$41.66	\$12.84	\$15.57	\$5.78	\$0.00	\$75.85
5	90.00	\$46.87	\$12.84	\$15.57	\$5.78	\$0.00	\$81.06

Apprentice: MARBLE & TILE FINISHERS							
Effective Date: 8/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$26.92	\$12.84	\$15.57	\$5.78	\$0.00	\$61.11
2	60.00	\$32.30	\$12.84	\$15.57	\$5.78	\$0.00	\$66.49
3	70.00	\$37.69	\$12.84	\$15.57	\$5.78	\$0.00	\$71.88
4	80.00	\$43.07	\$12.84	\$15.57	\$5.78	\$0.00	\$77.26
5	90.00	\$48.46	\$12.84	\$15.57	\$5.78	\$0.00	\$82.65

Apprentice to Journeyworker Ratio: 1:5

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
MARBLE MASONS, TILELAYERS & TERRAZZO MECH	2/1/2026	\$67.97	\$12.84	\$15.57	\$7.99	\$0.00	\$104.37
BRICKLAYERS LOCAL 3	8/1/2026	\$70.17	\$12.84	\$15.57	\$7.99	\$0.00	\$106.57
BRICKLAYERS LOCAL 3 - MARBLE & TILE	2/1/2027	\$71.57	\$12.84	\$15.57	\$7.99	\$0.00	\$107.97

Apprentice: MARBLE MASONS, TILELAYERS & TERRAZZO MECH							
Effective Date: 2/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$33.99	\$12.84	\$15.57	\$7.99	\$0.00	\$70.39
2	60.00	\$40.78	\$12.84	\$15.57	\$7.99	\$0.00	\$77.18
3	70.00	\$47.58	\$12.84	\$15.57	\$7.99	\$0.00	\$83.98
4	80.00	\$54.38	\$12.84	\$15.57	\$7.99	\$0.00	\$90.78
5	90.00	\$61.17	\$12.84	\$15.57	\$7.99	\$0.00	\$97.57

Apprentice: MARBLE MASONS, TILELAYERS & TERRAZZO MECH							
Effective Date: 8/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$35.09	\$12.84	\$15.57	\$7.99	\$0.00	\$71.49
2	60.00	\$42.10	\$12.84	\$15.57	\$7.99	\$0.00	\$78.50
3	70.00	\$49.12	\$12.84	\$15.57	\$7.99	\$0.00	\$85.52
4	80.00	\$56.14	\$12.84	\$15.57	\$7.99	\$0.00	\$92.54
5	90.00	\$63.15	\$12.84	\$15.57	\$7.99	\$0.00	\$99.55

Apprentice to Journeyworker Ratio: 1:5

MECH. SWEEPER OPERATOR (ON CONST. SITES)	12/1/2025	\$58.02	\$16.55	\$13.35	\$3.25	\$0.00	\$91.17
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$58.70	\$17.05	\$13.35	\$3.25	\$0.00	\$92.35
OPERATING ENGINEERS LOCAL 4	12/1/2026	\$60.14	\$17.05	\$13.35	\$3.25	\$0.00	\$93.79

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

MECHANICS MAINTENANCE	12/1/2025	\$58.02	\$16.55	\$13.35	\$3.25	\$0.00	\$91.17
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$58.70	\$17.05	\$13.35	\$3.25	\$0.00	\$92.35
OPERATING ENGINEERS LOCAL 4	12/1/2026	\$60.14	\$17.05	\$13.35	\$3.25	\$0.00	\$93.79

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

MILLWRIGHT (Zone 2)	1/5/2026	\$46.86	\$10.58	\$11.47	\$10.00	\$0.00	\$78.91
MILLWRIGHTS LOCAL 1121							
MILLWRIGHTS LOCAL 1121 - Zone 2							

Apprentice: MILLWRIGHT (Zone 2)							
Effective Date: 1/5/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	55.00	\$25.77	\$10.58	\$0.00	\$5.50	\$0.00	\$41.85
2	65.00	\$30.46	\$10.58	\$0.00	\$6.50	\$0.00	\$47.54
3	75.00	\$35.15	\$10.58	\$11.47	\$7.50	\$0.00	\$64.70

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: MILLWRIGHT (Zone 2)							
Effective Date: 1/5/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
4	85.00	\$39.83	\$10.58	\$11.47	\$8.50	\$0.00	\$70.38

Apprentice Notes
 Step 1&2 Appr. indentured after 1/6/2020 receive no pension,

Apprentice to Journeyworker Ratio: 1:4

MORTAR MIXER LABORERS	12/1/2025	\$40.72	\$10.65	\$9.75	\$9.11	\$0.00	\$70.23
LABORERS - ZONE 2	6/1/2026	\$42.16	\$10.65	\$9.75	\$9.11	\$0.00	\$71.67
	12/1/2026	\$43.60	\$10.65	\$9.75	\$9.11	\$0.00	\$73.11
	6/1/2027	\$45.05	\$10.65	\$9.75	\$9.11	\$0.00	\$74.56
	12/1/2027	\$46.50	\$10.65	\$9.75	\$9.11	\$0.00	\$76.01
	6/1/2028	\$48.00	\$10.65	\$9.75	\$9.11	\$0.00	\$77.51
	12/1/2028	\$49.50	\$10.65	\$9.75	\$9.11	\$0.00	\$79.01

For apprentice rates see "Apprentice- LABORER"

OILER (OTHER THAN TRUCK CRANES,GRADALLS)	12/1/2025	\$25.08	\$16.55	\$13.35	\$3.25	\$0.00	\$58.23
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$25.07	\$17.05	\$13.35	\$3.25	\$0.00	\$58.72
OPERATING ENGINEERS LOCAL 4	12/1/2026	\$25.74	\$17.05	\$13.35	\$3.25	\$0.00	\$59.39

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

OILER (TRUCK CRANES, GRADALLS)	12/1/2025	\$31.05	\$16.55	\$13.35	\$3.25	\$0.00	\$64.20
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$31.17	\$17.05	\$13.35	\$3.25	\$0.00	\$64.82
OPERATING ENGINEERS LOCAL 4	12/1/2026	\$31.97	\$17.05	\$13.35	\$3.25	\$0.00	\$65.62

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

OTHER POWER DRIVEN EQUIPMENT - CLASS II	12/1/2025	\$58.02	\$16.55	\$13.35	\$3.25	\$0.00	\$91.17
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$58.70	\$17.05	\$13.35	\$3.25	\$0.00	\$92.35
OPERATING ENGINEERS LOCAL 4	12/1/2026	\$60.14	\$17.05	\$13.35	\$3.25	\$0.00	\$93.79

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

PAINTER (BRIDGES/TANKS)	1/1/2026	\$59.56	\$10.35	\$12.00	\$12.50	\$0.00	\$94.41
PAINTERS LOCAL 35							
PAINTERS LOCAL 35 - ZONE 2							

Apprentice: PAINTER (BRIDGES/TANKS)							
Effective Date: 1/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$29.78	\$10.35	\$0.00	\$0.00	\$0.00	\$40.13
2	55.00	\$32.76	\$10.35	\$0.00	\$6.93	\$0.00	\$50.04
3	60.00	\$35.74	\$10.35	\$0.00	\$7.56	\$0.00	\$53.65
4	65.00	\$38.71	\$10.35	\$0.00	\$8.19	\$0.00	\$57.25

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice to Journeyworker Ratio: 1:1							
PAINTER / TAPER (BRUSH, NEW) *	1/1/2026	\$49.06	\$10.35	\$12.00	\$12.60	\$0.00	\$84.01
* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used.							
PAINTERS LOCAL 35							
PAINTERS LOCAL 35 - ZONE 2							

Apprentice: PAINTER / TAPER (BRUSH, NEW) *							
Effective Date: 1/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$24.53	\$10.35	\$0.00	\$0.00	\$0.00	\$34.88
2	55.00	\$26.98	\$10.35	\$0.00	\$6.93	\$0.00	\$44.26
3	60.00	\$29.44	\$10.35	\$0.00	\$7.56	\$0.00	\$47.35
4	65.00	\$31.89	\$10.35	\$0.00	\$8.19	\$0.00	\$50.43
5	70.00	\$34.34	\$10.35	\$12.00	\$8.82	\$0.00	\$65.51
6	75.00	\$36.80	\$10.35	\$12.00	\$9.45	\$0.00	\$68.60
7	80.00	\$39.25	\$10.35	\$12.00	\$10.08	\$0.00	\$71.68
8	90.00	\$44.15	\$10.35	\$12.00	\$11.34	\$0.00	\$77.84

Apprentice to Journeyworker Ratio: 1:1

PAINTER / TAPER (BRUSH, REPAINT)	1/1/2026	\$47.12	\$10.35	\$12.00	\$12.60	\$0.00	\$82.07
PAINTERS LOCAL 35							
PAINTERS LOCAL 35 - ZONE 2							

Apprentice: PAINTER / TAPER (BRUSH, REPAINT)							
Effective Date: 1/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$23.56	\$10.35	\$0.00	\$0.00	\$0.00	\$33.91
2	55.00	\$25.92	\$10.35	\$0.00	\$6.93	\$0.00	\$43.20
3	60.00	\$28.27	\$10.35	\$0.00	\$7.56	\$0.00	\$46.18
4	65.00	\$30.63	\$10.35	\$0.00	\$8.19	\$0.00	\$49.17
5	70.00	\$32.98	\$10.35	\$12.00	\$8.82	\$0.00	\$64.15
6	75.00	\$35.34	\$10.35	\$12.00	\$9.45	\$0.00	\$67.14
7	80.00	\$37.70	\$10.35	\$12.00	\$10.08	\$0.00	\$70.13
8	90.00	\$42.41	\$10.35	\$12.00	\$11.34	\$0.00	\$76.10

Apprentice to Journeyworker Ratio: 1:1

PAINTER TRAFFIC MARKINGS (HEAVY/HIGHWAY)	12/1/2025	\$40.47	\$10.65	\$9.75	\$9.21	\$0.00	\$70.08
LABORERS	6/1/2026	\$41.91	\$10.65	\$9.75	\$9.21	\$0.00	\$71.52
LABORERS - ZONE 2 (HEAVY & HIGHWAY)	12/1/2026	\$43.35	\$10.65	\$9.75	\$9.21	\$0.00	\$72.96

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

PANEL & PICKUP TRUCKS DRIVER	1/1/2026	\$40.78	\$16.17	\$21.78	\$0.00	\$0.00	\$78.73
TEAMSTERS JOINT COUNCIL NO. 10	6/1/2026	\$41.78	\$16.17	\$21.78	\$0.00	\$0.00	\$79.73
TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	12/1/2026	\$41.78	\$16.17	\$23.52	\$0.00	\$0.00	\$81.47

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
	1/1/2027	\$41.78	\$16.77	\$23.52	\$0.00	\$0.00	\$82.07

PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK) PILE DRIVER LOCAL 56 PILE DRIVER LOCAL 56 (ZONE 2)	8/1/2024	\$51.97	\$10.08	\$11.62	\$12.67	\$0.00	\$86.34
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For apprentice rates see "Apprentice- PILE DRIVER"

PILE DRIVER PILE DRIVER LOCAL 56 PILE DRIVER LOCAL 56 (ZONE 2)	8/1/2024	\$51.97	\$10.08	\$11.62	\$12.67	\$0.00	\$86.34
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Apprentice: PILE DRIVER							
Effective Date: 8/1/2024							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	45.00	\$23.39	\$10.08	\$0.00	\$2.53	\$0.00	\$36.00
2	55.00	\$28.58	\$10.08	\$0.00	\$5.07	\$0.00	\$43.73
3	70.00	\$36.38	\$10.08	\$11.62	\$7.60	\$0.00	\$65.68
4	80.00	\$41.58	\$10.08	\$11.62	\$10.14	\$0.00	\$73.42

Apprentice to Journeyworker Ratio: 1:5

PIPELAYER LABORERS LABORERS - ZONE 2	12/1/2025	\$40.72	\$10.65	\$9.75	\$9.11	\$0.00	\$70.23
	6/1/2026	\$42.16	\$10.65	\$9.75	\$9.11	\$0.00	\$71.67
	12/1/2026	\$43.60	\$10.65	\$9.75	\$9.11	\$0.00	\$73.11
	6/1/2027	\$45.05	\$10.65	\$9.75	\$9.11	\$0.00	\$74.56
	12/1/2027	\$46.50	\$10.65	\$9.75	\$9.11	\$0.00	\$76.01
	6/1/2028	\$48.00	\$10.65	\$9.75	\$9.11	\$0.00	\$77.51
	12/1/2028	\$49.50	\$10.65	\$9.75	\$9.11	\$0.00	\$79.01

For apprentice rates see "Apprentice- LABORER"

PIPELAYER (HEAVY & HIGHWAY) LABORERS LABORERS - ZONE 2 (HEAVY & HIGHWAY)	12/1/2025	\$40.72	\$10.65	\$9.75	\$9.21	\$0.00	\$70.33
	6/1/2026	\$42.16	\$10.65	\$9.75	\$9.21	\$0.00	\$71.77
	12/1/2026	\$43.60	\$10.65	\$9.75	\$9.21	\$0.00	\$73.21

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

PLUMBER & PIPEFITTER PLUMBERS LOCAL 4 PLUMBERS LOCAL 4	3/1/2026	\$55.90	\$13.10	\$9.71	\$8.06	\$0.00	\$86.77
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Apprentice: PLUMBER & PIPEFITTER							
Effective Date: 3/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	40.00	\$22.36	\$13.10	\$0.00	\$0.00	\$0.00	\$35.46
2	50.00	\$27.95	\$13.10	\$0.00	\$0.00	\$0.00	\$41.05
3	60.00	\$33.54	\$13.10	\$0.00	\$0.00	\$0.00	\$46.64
4	70.00	\$39.13	\$13.10	\$0.00	\$8.06	\$0.00	\$60.29

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate																
<p>Apprentice: PLUMBER & PIPEFITTER</p> <p>Effective Date: 3/1/2026</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Step</th> <th>Percent</th> <th>Apprentice Base Wage</th> <th>Health</th> <th>Pension</th> <th>Annuity</th> <th>Supplemental Unemployment</th> <th>Total Rate</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>80.00</td> <td>\$44.72</td> <td>\$13.10</td> <td>\$0.00</td> <td>\$8.06</td> <td>\$0.00</td> <td>\$65.88</td> </tr> </tbody> </table>								Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate	5	80.00	\$44.72	\$13.10	\$0.00	\$8.06	\$0.00	\$65.88
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate																
5	80.00	\$44.72	\$13.10	\$0.00	\$8.06	\$0.00	\$65.88																
Apprentice to Journeyworker Ratio: 1:3																							
PNEUMATIC CONTROLS (TEMP.) PLUMBERS LOCAL 4 PLUMBERS LOCAL 4	3/1/2026	\$55.90	\$13.10	\$9.71	\$8.06	\$0.00	\$86.77																
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"																							
PNEUMATIC DRILL/TOOL OPERATOR LABORERS	12/1/2025	\$40.72	\$10.65	\$9.75	\$9.11	\$0.00	\$70.23																
LABORERS - ZONE 2	6/1/2026	\$42.16	\$10.65	\$9.75	\$9.11	\$0.00	\$71.67																
	12/1/2026	\$43.60	\$10.65	\$9.75	\$9.11	\$0.00	\$73.11																
	6/1/2027	\$45.05	\$10.65	\$9.75	\$9.11	\$0.00	\$74.56																
	12/1/2027	\$46.50	\$10.65	\$9.75	\$9.11	\$0.00	\$76.01																
	6/1/2028	\$48.00	\$10.65	\$9.75	\$9.11	\$0.00	\$77.51																
	12/1/2028	\$49.50	\$10.65	\$9.75	\$9.11	\$0.00	\$79.01																
For apprentice rates see "Apprentice- LABORER"																							
PNEUMATIC DRILL/TOOL OPERATOR (HEAVY & HIGHWAY) LABORERS	12/1/2025	\$40.72	\$10.65	\$9.75	\$9.21	\$0.00	\$70.33																
LABORERS - ZONE 2 (HEAVY & HIGHWAY)	6/1/2026	\$42.16	\$10.65	\$9.75	\$9.21	\$0.00	\$71.77																
	12/1/2026	\$43.60	\$10.65	\$9.75	\$9.21	\$0.00	\$73.21																
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"																							
POWDERMAN & BLASTER LABORERS	12/1/2025	\$41.47	\$10.65	\$9.75	\$9.11	\$0.00	\$70.98																
LABORERS - ZONE 2	6/1/2026	\$42.91	\$10.65	\$9.75	\$9.11	\$0.00	\$72.42																
	12/1/2026	\$44.35	\$10.65	\$9.75	\$9.11	\$0.00	\$73.86																
	6/1/2027	\$45.80	\$10.65	\$9.75	\$9.11	\$0.00	\$75.31																
	12/1/2027	\$47.25	\$10.65	\$9.75	\$9.11	\$0.00	\$76.76																
	6/1/2028	\$48.75	\$10.65	\$9.75	\$9.11	\$0.00	\$78.26																
	12/1/2028	\$50.25	\$10.65	\$9.75	\$9.11	\$0.00	\$79.76																
For apprentice rates see "Apprentice- LABORER"																							
POWDERMAN & BLASTER (HEAVY & HIGHWAY) LABORERS	12/1/2025	\$41.47	\$10.65	\$9.75	\$9.21	\$0.00	\$71.08																
LABORERS - ZONE 2 (HEAVY & HIGHWAY)	6/1/2026	\$42.91	\$10.65	\$9.75	\$9.21	\$0.00	\$72.52																
	12/1/2026	\$44.35	\$10.65	\$9.75	\$9.21	\$0.00	\$73.96																
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"																							
POWER SHOVEL/DERRICK/TRENCHING MACHINE OPERATING ENGINEERS LOCAL 4	12/1/2025	\$58.68	\$16.55	\$13.35	\$3.25	\$0.00	\$91.83																
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$59.38	\$17.05	\$13.35	\$3.25	\$0.00	\$93.03																
	12/1/2026	\$60.83	\$17.05	\$13.35	\$3.25	\$0.00	\$94.48																
For apprentice rates see "Apprentice- OPERATING ENGINEERS"																							
PUMP OPERATOR (CONCRETE) OPERATING ENGINEERS LOCAL 4	12/1/2025	\$58.02	\$16.55	\$13.35	\$3.25	\$0.00	\$91.17																
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$58.70	\$17.05	\$13.35	\$3.25	\$0.00	\$92.35																
	12/1/2026	\$60.14	\$17.05	\$13.35	\$3.25	\$0.00	\$93.79																
For apprentice rates see "Apprentice- OPERATING ENGINEERS"																							

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
PUMP OPERATOR (DEWATERING, OTHER)	12/1/2025	\$37.37	\$16.55	\$13.35	\$3.25	\$0.00	\$70.52
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$37.63	\$17.05	\$13.35	\$3.25	\$0.00	\$71.28
OPERATING ENGINEERS LOCAL 4	12/1/2026	\$38.58	\$17.05	\$13.35	\$3.25	\$0.00	\$72.23

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

READY-MIX CONCRETE DRIVER TEAMSTERS 170 TEAMSTERS 170 - Dauphinais (Bellingham)	1/1/2025	\$27.60	\$11.26	\$6.15	\$0.00	\$0.00	\$45.01
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RECLAIMERS	12/1/2025	\$58.02	\$16.55	\$13.35	\$3.25	\$0.00	\$91.17
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$58.70	\$17.05	\$13.35	\$3.25	\$0.00	\$92.35
OPERATING ENGINEERS LOCAL 4	12/1/2026	\$60.14	\$17.05	\$13.35	\$3.25	\$0.00	\$93.79

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

RIDE-ON MOTORIZED BUGGY OPERATOR LABORERS LABORERS - ZONE 2	12/1/2025	\$40.72	\$10.65	\$9.75	\$9.11	\$0.00	\$70.23
	6/1/2026	\$42.16	\$10.65	\$9.75	\$9.11	\$0.00	\$71.67
	12/1/2026	\$43.60	\$10.65	\$9.75	\$9.11	\$0.00	\$73.11
	6/1/2027	\$45.05	\$10.65	\$9.75	\$9.11	\$0.00	\$74.56
	12/1/2027	\$46.50	\$10.65	\$9.75	\$9.11	\$0.00	\$76.01
	6/1/2028	\$48.00	\$10.65	\$9.75	\$9.11	\$0.00	\$77.51
	12/1/2028	\$49.50	\$10.65	\$9.75	\$9.11	\$0.00	\$79.01

For apprentice rates see "Apprentice- LABORER"

ROLLER/SPREADER/MULCHING MACHINE OPERATING ENGINEERS LOCAL 4	12/1/2025	\$58.02	\$16.55	\$13.35	\$3.25	\$0.00	\$91.17
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$58.70	\$17.05	\$13.35	\$3.25	\$0.00	\$92.35
	12/1/2026	\$60.14	\$17.05	\$13.35	\$3.25	\$0.00	\$93.79

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

ROOFER (Inc.Roofer Waterproofng &Roofer Damproofg) ROOFERS LOCAL 33 ROOFERS LOCAL 33	2/1/2026	\$53.53	\$14.53	\$12.67	\$9.03	\$0.00	\$89.76
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Apprentice: ROOFER (Inc.Roofer Waterproofng &Roofer Damproofg)							
Effective Date: 2/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$26.77	\$14.53	\$6.52	\$9.03	\$0.00	\$56.85
2	60.00	\$32.12	\$14.53	\$12.67	\$9.03	\$0.00	\$68.35
3	65.00	\$34.79	\$14.53	\$12.67	\$9.03	\$0.00	\$71.02
4	75.00	\$40.15	\$14.53	\$12.67	\$9.03	\$0.00	\$76.38
5	85.00	\$45.50	\$14.53	\$12.67	\$9.03	\$0.00	\$81.73

Apprentice Notes
 ** 1:5, 2:6-10, the 1:10; Reroofing: 1:4, then 1:1

Apprentice to Journeyworker Ratio: 1:5

ROOFER SLATE / TILE / PRECAST CONCRETE ROOFERS LOCAL 33 ROOFERS LOCAL 33	2/1/2026	\$53.78	\$14.53	\$12.67	\$9.03	\$0.00	\$90.01
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Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
SHEETMETAL WORKER	7/1/2025	\$43.48	\$12.94	\$11.01	\$8.72	\$2.13	\$78.28
SHEETMETAL WORKERS LOCAL 63	7/1/2026	\$43.48	\$13.24	\$11.01	\$9.92	\$2.13	\$79.78
SHEETMETAL WORKERS LOCAL 63	1/1/2027	\$43.48	\$13.54	\$11.01	\$11.12	\$2.13	\$81.28
	7/1/2027	\$44.98	\$13.54	\$11.01	\$11.12	\$2.13	\$82.78
	1/1/2028	\$46.48	\$13.54	\$11.01	\$11.12	\$2.13	\$84.28

Apprentice: SHEETMETAL WORKER							
Effective Date: 7/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	45.00	\$19.57	\$5.82	\$4.95	\$0.00	\$0.85	\$31.19
2	50.00	\$21.74	\$6.47	\$5.51	\$0.00	\$0.94	\$34.66
3	55.00	\$23.91	\$7.12	\$9.91	\$0.00	\$1.15	\$42.09
4	60.00	\$26.09	\$7.76	\$9.91	\$0.00	\$1.23	\$44.99
5	65.00	\$28.26	\$8.41	\$9.91	\$0.00	\$1.31	\$47.89
6	70.00	\$30.44	\$9.06	\$9.91	\$0.00	\$1.39	\$50.80
7	75.00	\$32.61	\$9.71	\$9.91	\$0.00	\$1.47	\$53.70
8	80.00	\$34.78	\$10.35	\$9.91	\$8.72	\$1.78	\$65.54
9	85.00	\$36.96	\$11.00	\$9.91	\$8.72	\$1.86	\$68.45
10	90.00	\$39.13	\$11.65	\$9.91	\$8.72	\$1.94	\$71.35

Apprentice: SHEETMETAL WORKER							
Effective Date: 7/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	45.00	\$19.57	\$5.96	\$4.95	\$0.00	\$0.85	\$31.33
2	50.00	\$21.74	\$6.62	\$5.51	\$0.00	\$0.94	\$34.81
3	55.00	\$23.91	\$7.28	\$9.91	\$0.00	\$1.15	\$42.25
4	60.00	\$26.09	\$7.94	\$9.91	\$0.00	\$1.23	\$45.17
5	65.00	\$28.26	\$8.60	\$9.91	\$0.00	\$1.31	\$48.08
6	70.00	\$30.44	\$9.27	\$9.91	\$0.00	\$1.39	\$51.01
7	75.00	\$32.61	\$9.93	\$9.91	\$0.00	\$1.47	\$53.92
8	80.00	\$34.78	\$10.59	\$9.91	\$9.92	\$1.78	\$66.98
9	85.00	\$36.96	\$11.25	\$9.91	\$9.92	\$1.86	\$69.90
10	90.00	\$39.13	\$11.92	\$9.91	\$9.92	\$1.94	\$72.82

Apprentice to Journeyworker Ratio: 1:3

SPECIALIZED EARTH MOVING EQUIP < 35 TONS	1/1/2026	\$41.24	\$16.17	\$21.78	\$0.00	\$0.00	\$79.19
TEAMSTERS JOINT COUNCIL NO. 10	6/1/2026	\$42.24	\$16.17	\$21.78	\$0.00	\$0.00	\$80.19
TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	12/1/2026	\$42.24	\$16.17	\$23.52	\$0.00	\$0.00	\$81.93
	1/1/2027	\$42.24	\$16.77	\$23.52	\$0.00	\$0.00	\$82.53
SPECIALIZED EARTH MOVING EQUIP > 35 TONS	1/1/2026	\$41.53	\$16.17	\$21.78	\$0.00	\$0.00	\$79.48
TEAMSTERS JOINT COUNCIL NO. 10	6/1/2026	\$42.53	\$16.17	\$21.78	\$0.00	\$0.00	\$80.48
TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	12/1/2026	\$42.53	\$16.17	\$23.52	\$0.00	\$0.00	\$82.22

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
	1/1/2027	\$42.53	\$16.77	\$23.52	\$0.00	\$0.00	\$82.82
SPRINKLER FITTER	1/1/2026	\$72.05	\$13.45	\$7.45	\$18.25	\$0.00	\$111.20
SPRINKLER FITTERS LOCAL 550							
SPRINKLER FITTERS LOCAL 550 - (Section A) Zone 1							

Apprentice: SPRINKLER FITTER							
Effective Date: 1/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	35.00	\$25.22	\$13.45	\$13.84	\$0.00	\$0.00	\$52.51
2	40.00	\$28.82	\$13.45	\$14.75	\$0.00	\$0.00	\$57.02
3	45.00	\$32.42	\$13.45	\$15.67	\$0.00	\$0.00	\$61.54
4	50.00	\$36.03	\$13.45	\$16.57	\$0.00	\$0.00	\$66.05
5	55.00	\$39.63	\$13.45	\$17.49	\$0.00	\$0.00	\$70.57
6	60.00	\$43.23	\$13.45	\$18.40	\$0.00	\$0.00	\$75.08
7	65.00	\$46.83	\$13.45	\$19.32	\$0.00	\$0.00	\$79.60
8	70.00	\$50.44	\$13.45	\$20.22	\$0.00	\$0.00	\$84.11
9	75.00	\$54.04	\$13.45	\$21.15	\$0.00	\$0.00	\$88.64
10	80.00	\$57.64	\$13.45	\$22.05	\$0.00	\$0.00	\$93.14

Apprentice Notes
 Apprentice entered prior 9/30/10:

Apprentice to Journeyworker Ratio: 1:3

STEAM BOILER OPERATOR	12/1/2025	\$58.02	\$16.55	\$13.35	\$3.25	\$0.00	\$91.17
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$58.70	\$17.05	\$13.35	\$3.25	\$0.00	\$92.35
OPERATING ENGINEERS LOCAL 4	12/1/2026	\$60.14	\$17.05	\$13.35	\$3.25	\$0.00	\$93.79

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

TAMPERS, SELF-PROPELLED OR TRACTOR DRAWN	12/1/2025	\$58.02	\$16.55	\$13.35	\$3.25	\$0.00	\$91.17
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$58.70	\$17.05	\$13.35	\$3.25	\$0.00	\$92.35
OPERATING ENGINEERS LOCAL 4	12/1/2026	\$60.14	\$17.05	\$13.35	\$3.25	\$0.00	\$93.79

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

TERRAZZO FINISHERS	2/1/2026	\$66.89	\$12.84	\$15.57	\$8.02	\$0.00	\$103.32
BRICKLAYERS LOCAL 3	8/1/2026	\$69.09	\$12.84	\$15.57	\$8.02	\$0.00	\$105.52
BRICKLAYERS LOCAL 3 - MARBLE & TILE	2/1/2027	\$70.49	\$12.84	\$15.57	\$8.02	\$0.00	\$106.92

Apprentice: TERRAZZO FINISHERS							
Effective Date: 2/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$33.45	\$12.84	\$15.57	\$8.02	\$0.00	\$69.88
2	60.00	\$40.13	\$12.84	\$15.57	\$8.02	\$0.00	\$76.56
3	70.00	\$46.82	\$12.84	\$15.57	\$8.02	\$0.00	\$83.25
4	80.00	\$53.51	\$12.84	\$15.57	\$8.02	\$0.00	\$89.94

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: TERRAZZO FINISHERS							
Effective Date: 2/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
5	90.00	\$60.20	\$12.84	\$15.57	\$8.02	\$0.00	\$96.63
Apprentice: TERRAZZO FINISHERS							
Effective Date: 8/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$34.55	\$12.84	\$15.57	\$8.02	\$0.00	\$70.98
2	60.00	\$41.45	\$12.84	\$15.57	\$8.02	\$0.00	\$77.88
3	70.00	\$48.36	\$12.84	\$15.57	\$8.02	\$0.00	\$84.79
4	80.00	\$55.27	\$12.84	\$15.57	\$8.02	\$0.00	\$91.70
5	90.00	\$62.18	\$12.84	\$15.57	\$8.02	\$0.00	\$98.61
Apprentice to Journeyworker Ratio: 1:5							
TEST BORING DRILLER LABORERS	12/1/2025	\$51.95	\$10.65	\$9.75	\$9.80	\$0.00	\$82.15
LABORERS - FOUNDATION AND MARINE	6/1/2026	\$53.50	\$10.65	\$9.75	\$9.80	\$0.00	\$83.70
	12/1/2026	\$55.00	\$10.65	\$9.75	\$9.80	\$0.00	\$85.20
For apprentice rates see "Apprentice- LABORER"							
TEST BORING DRILLER HELPER LABORERS	12/1/2025	\$48.07	\$10.65	\$9.75	\$9.80	\$0.00	\$78.27
LABORERS - FOUNDATION AND MARINE	6/1/2026	\$49.62	\$10.65	\$9.75	\$9.80	\$0.00	\$79.82
	12/1/2026	\$51.12	\$10.65	\$9.75	\$9.80	\$0.00	\$81.32
For apprentice rates see "Apprentice- LABORER"							
TEST BORING LABORER LABORERS	12/1/2025	\$47.95	\$10.65	\$9.75	\$9.80	\$0.00	\$78.15
LABORERS - FOUNDATION AND MARINE	6/1/2026	\$49.50	\$10.65	\$9.75	\$9.80	\$0.00	\$79.70
	12/1/2026	\$51.00	\$10.65	\$9.75	\$9.80	\$0.00	\$81.20
For apprentice rates see "Apprentice- LABORER"							
TRACTORS/PORTABLE STEAM GENERATORS OPERATING ENGINEERS LOCAL 4	12/1/2025	\$58.02	\$16.55	\$13.35	\$3.25	\$0.00	\$91.17
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$58.70	\$17.05	\$13.35	\$3.25	\$0.00	\$92.35
	12/1/2026	\$60.14	\$17.05	\$13.35	\$3.25	\$0.00	\$93.79
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
TRAILERS FOR EARTH MOVING EQUIPMENT TEAMSTERS JOINT COUNCIL NO. 10	1/1/2026	\$41.82	\$16.17	\$21.78	\$0.00	\$0.00	\$79.77
TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	6/1/2026	\$42.82	\$16.17	\$21.78	\$0.00	\$0.00	\$80.77
	12/1/2026	\$42.82	\$16.17	\$23.52	\$0.00	\$0.00	\$82.51
	1/1/2027	\$42.82	\$16.77	\$23.52	\$0.00	\$0.00	\$83.11
TUNNEL WORK - COMPRESSED AIR LABORERS	12/1/2025	\$60.18	\$10.65	\$9.75	\$10.25	\$0.00	\$90.83
LABORERS (COMPRESSED AIR)	6/1/2026	\$61.73	\$10.65	\$9.75	\$10.25	\$0.00	\$92.38
	12/1/2026	\$63.23	\$10.65	\$9.75	\$10.25	\$0.00	\$93.88
For apprentice rates see "Apprentice- LABORER"							

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
TUNNEL WORK - COMPRESSED AIR (HAZ. WASTE) LABORERS	12/1/2025	\$62.18	\$10.65	\$9.75	\$10.25	\$0.00	\$92.83
LABORERS (COMPRESSED AIR)	6/1/2026	\$63.73	\$10.65	\$9.75	\$10.25	\$0.00	\$94.38
	12/1/2026	\$65.23	\$10.65	\$9.75	\$10.25	\$0.00	\$95.88
For apprentice rates see "Apprentice- LABORER"							
TUNNEL WORK - FREE AIR LABORERS	12/1/2025	\$52.25	\$10.65	\$9.75	\$10.25	\$0.00	\$82.90
LABORERS (FREE AIR TUNNEL)	6/1/2026	\$53.80	\$10.65	\$9.75	\$10.25	\$0.00	\$84.45
	12/1/2026	\$55.30	\$10.65	\$9.75	\$10.25	\$0.00	\$85.95
For apprentice rates see "Apprentice- LABORER"							
TUNNEL WORK - FREE AIR (HAZ. WASTE) LABORERS	12/1/2025	\$54.25	\$10.65	\$9.75	\$10.25	\$0.00	\$84.90
LABORERS (FREE AIR TUNNEL)	6/1/2026	\$55.80	\$10.65	\$9.75	\$10.25	\$0.00	\$86.45
	12/1/2026	\$57.30	\$10.65	\$9.75	\$10.25	\$0.00	\$87.95
For apprentice rates see "Apprentice- LABORER"							
VAC-HAUL TEAMSTERS JOINT COUNCIL NO. 10	1/1/2026	\$41.24	\$16.17	\$21.78	\$0.00	\$0.00	\$79.19
TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	6/1/2026	\$42.24	\$16.17	\$21.78	\$0.00	\$0.00	\$80.19
	12/1/2026	\$42.24	\$16.17	\$23.52	\$0.00	\$0.00	\$81.93
	1/1/2027	\$42.24	\$16.77	\$23.52	\$0.00	\$0.00	\$82.53
VOICE-DATA-VIDEO TECHNICIAN ELECTRICIANS LOCAL 96	9/7/2025	\$36.12	\$14.98	\$13.94	\$3.97	\$0.00	\$69.01
ELECTRICIANS LOCAL 96	9/6/2026	\$37.04	\$15.96	\$14.20	\$4.07	\$0.00	\$71.27

Apprentice: VOICE-DATA-VIDEO TECHNICIAN							
Effective Date: 9/7/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$18.06	\$14.98	\$0.54	\$3.97	\$0.00	\$37.55
2	55.00	\$19.87	\$14.98	\$0.60	\$3.97	\$0.00	\$39.42
3	60.00	\$21.67	\$14.98	\$13.51	\$3.97	\$0.00	\$54.13
4	65.00	\$23.48	\$14.98	\$13.56	\$3.97	\$0.00	\$55.99
5	70.00	\$25.28	\$14.98	\$13.62	\$3.97	\$0.00	\$57.85
6	75.00	\$27.09	\$14.98	\$13.67	\$3.97	\$0.00	\$59.71
7	80.00	\$28.90	\$14.98	\$13.73	\$3.97	\$0.00	\$61.58
8	85.00	\$30.70	\$14.98	\$13.78	\$3.97	\$0.00	\$63.43

Apprentice: VOICE-DATA-VIDEO TECHNICIAN							
Effective Date: 9/6/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$18.52	\$15.96	\$0.56	\$4.07	\$0.00	\$39.11
2	55.00	\$20.37	\$15.96	\$0.61	\$4.07	\$0.00	\$41.01
3	60.00	\$22.22	\$15.96	\$13.76	\$4.07	\$0.00	\$56.01
4	65.00	\$24.08	\$15.96	\$13.81	\$4.07	\$0.00	\$57.92
5	70.00	\$25.93	\$15.96	\$13.87	\$4.07	\$0.00	\$59.83
6	75.00	\$27.78	\$15.96	\$13.92	\$4.07	\$0.00	\$61.73
7	80.00	\$29.63	\$15.96	\$13.98	\$4.07	\$0.00	\$63.64

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: VOICE-DATA-VIDEO TECHNICIAN							
Effective Date: 9/6/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
8	85.00	\$31.48	\$15.96	\$14.03	\$4.07	\$0.00	\$65.54

Apprentice to Journeyworker Ratio: 1:1

WAGON DRILL OPERATOR LABORERS	12/1/2025	\$40.72	\$10.65	\$9.75	\$9.11	\$0.00	\$70.23
LABORERS - ZONE 2	6/1/2026	\$42.16	\$10.65	\$9.75	\$9.11	\$0.00	\$71.67
	12/1/2026	\$43.60	\$10.65	\$9.75	\$9.11	\$0.00	\$73.11
	6/1/2027	\$45.05	\$10.65	\$9.75	\$9.11	\$0.00	\$74.56
	12/1/2027	\$46.50	\$10.65	\$9.75	\$9.11	\$0.00	\$76.01
	6/1/2028	\$48.00	\$10.65	\$9.75	\$9.11	\$0.00	\$77.51
	12/1/2028	\$49.50	\$10.65	\$9.75	\$9.11	\$0.00	\$79.01

For apprentice rates see "Apprentice- LABORER"

WAGON DRILL OPERATOR (HEAVY & HIGHWAY) LABORERS	12/1/2025	\$40.72	\$10.65	\$9.75	\$9.21	\$0.00	\$70.33
LABORERS - ZONE 2 (HEAVY & HIGHWAY)	6/1/2026	\$42.16	\$10.65	\$9.75	\$9.21	\$0.00	\$71.77
	12/1/2026	\$43.60	\$10.65	\$9.75	\$9.21	\$0.00	\$73.21

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

WASTE WATER PUMP OPERATOR OPERATING ENGINEERS LOCAL 4	12/1/2025	\$58.68	\$16.55	\$13.35	\$3.25	\$0.00	\$91.83
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$59.38	\$17.05	\$13.35	\$3.25	\$0.00	\$93.03
	12/1/2026	\$60.83	\$17.05	\$13.35	\$3.25	\$0.00	\$94.48

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

WATER METER INSTALLER PLUMBERS LOCAL 4	3/1/2026	\$55.90	\$13.10	\$9.71	\$8.06	\$0.00	\$86.77
PLUMBERS LOCAL 4							

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

Additional Apprentice Information

All apprentices must be registered with the Division of Apprenticeship Training(DAS) in accordance with M.G.L.c. 23, §§ 11E-11L. Minimum wage rates for apprentices employed on public works projects are listed above as a percentage of the hourly prevailing wage rate established by the Commissioner under the provisions of M.G.L.c. 149, §§ 26-27D.

Apprentice ratios are established by DAS pursuant to M.G.L.c. 23, §§ 11E-11L. Ratios are expressed as the allowable number of apprentices to journeymen or fraction thereof, unless otherwise specified. The ratios listed herein have been taken from relevant private collective bargaining agreements(CBAs) and are provided for illustrative purposes only. They have not been independently verified as being accurate or continuing to be accurate.

Parties having questions regarding what ratio to use should contact DAS.

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

The undersigned further certifies under penalty of perjury that the said undersigned is not presently debarred from doing public construction work in the Commonwealth of Massachusetts under the provisions of Section Twenty-Nine F of Chapter Twenty-Nine, or any other applicable debarment provisions of any other Chapter of the General Laws or any rule or regulations promulgated thereunder.

Respectfully submitted:

Date _____

By _____

Signature

Name — Typed or Printed

Title

Business Name

Federal ID Number

Business Address

City and State

Telephone Number

FAX Number

Email address

NORTHBRIDGE - THREE PRIORITY BRIDGES REHABILITATION FORM FOR GENERAL BID

BID ITEMS

Item	Description	Unit	Quantity	Unit Price	Extended Price
103.1	Bridge Vegetation Removal	LS	1		

103.1 Extended Price in Words: _____

104.1	Waterway Timber Debris Removal - Bridge No. N-21-001	LS	1		
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104.1 Extended Price in Words: _____

104.2	Waterway Timber Debris Removal - Bridge No. N-21-017	LS	1		
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104.2 Extended Price in Words: _____

127.12	Reinforced Concrete Excavation	CF	128		
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127.12 Extended Price in Words: _____

151.	Gravel Borrow	CY	10		
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151. Extended Price in Words: _____

451.	HMA For Patching	TON	10		
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451. Extended Price in Words: _____

620.12	Guardrail, TL-2 (Single Faced)	FT	708		
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620.12 Extended Price in Words: _____

620.32	Guardrail - Curved, TL-2 (Single Faced)	FT	19		
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620.32 Extended Price in Words: _____

627.1	Trailing Anchorage	EA	4		
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627.1 Extended Price in Words: _____

627.82	Guardrail Tangent End Treatment, TL-2	EA	3		
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627.82 Extended Price in Words: _____

Bidder Company Name

NORTHBRIDGE - THREE PRIORITY BRIDGES REHABILITATION FORM FOR GENERAL BID

BID ITEMS

Item	Description	Unit	Quantity	Unit Price	Extended Price
628.22	Transition To Rigid Barrier (Single Faced)	EA	2		

628.22 Extended Price in Words:

628.221	Transition To Rigid Barrier (Single Faced) - On Bridge	EA	2		
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628.221 Extended Price in Words:

630.2	Highway Guard Removed And Discarded	FT	790		
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630.2 Extended Price in Words:

632.01	Guardrail Post - Steel On Bridge	EA	3		
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632.01 Extended Price in Words:

690.01	Stone Masonry Barrier Removed And Rebuilt In Cement Mortar	CY	5		
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690.01 Extended Price in Words:

697.2	Floating Silt Fence	FT	40		
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697.2 Extended Price in Words:

701.	Cement Concrete Sidewalk	SY	6		
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701. Extended Price in Words:

748.	Mobilization	LS	1		
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748. Extended Price in Words:

851.	Temporary Traffic Control For Guardrail Reconstruction	LS	1		
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851. Extended Price in Words:

851.1	Traffic Cones For Traffic Management	DAY	25		
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851.1 Extended Price in Words:

Bidder Company Name

**NORTHBRIDGE - THREE PRIORITY BRIDGES REHABILITATION
FORM FOR GENERAL BID**

BID ITEMS

Item	Description	Unit	Quantity	Unit Price	Extended Price
902.1	3500 PSI, 1.5 in., 520 Cement Concrete	CY	2		

902.1 Extended Price in Words:

905.01	4000 PSI, 3/8 in., 660 Cement Concrete	CF	180		
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905.01 Extended Price in Words:

905.02	4000 PSI, 3/8 in., 660 Cement Concrete - Underwater	LB	2,330		
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905.02 Extended Price in Words:

908.	Cement For Pointing	BAG	14		
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908. Extended Price in Words:

909.2	Cementitious Mortar For Patching	SF	10		
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909.2 Extended Price in Words:

909.22	Cementitious Mortar For Patching - Underwater	CF	1		
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909.22 Extended Price in Words:

909.31	Non-Shrink Grout	CF	31		
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909.31 Extended Price in Words:

910.1	Steel Reinforcement For Structures - Epoxy Coated	LB	475		
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910.1 Extended Price in Words:

912.4	Drilled and Grouted #4 Dowels	EA	38		
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912.4 Extended Price in Words:

912.6	Drilled and Grouted #6 Dowels	EA	108		
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912.6 Extended Price in Words:

Bidder Company Name

**NORTHBRIDGE - THREE PRIORITY BRIDGES REHABILITATION
FORM FOR GENERAL BID**

BID ITEMS

Item	Description	Unit	Quantity	Unit Price	Extended Price
950.2	Temporary Falsework	LS	1		

950.2 Extended Price in Words:

999.001	Police Detail Allowance	AL	1	\$31,200.00	\$31,200.00
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999.001 Extended Price in Words:

Thirty One Thousand Two Hundred Dollars

TOTAL EXTENDED BID PRICE:

\$

TOTAL EXTENDED BID PRICE IN WORDS:

(COMPANY)

(ADDRESS)

(SIGNATURE)

(TITLE)

(DATE)

In case of conflict between words and numbers, words shall control.

This bid includes addenda numbered:

Bidders shall submit the following completed forms with their bid:

1. Attachment A: Bidders Certification
2. Massachusetts Diesel Retrofit Program Statement of Intent
3. Contractors Reference Form
4. Bid Bond
5. Certificate of Non-Collusion
6. Certificate of Tax Compliance

Failure to submit the Bid Bond with the Bid Form shall be cause for rejection of the bid.

Bidder Company Name

THREE PRIORITY BRIDGES REHABILITATION PROJECT

All Bidders must be prequalified with Massachusetts Department of Transportation Highway Division. All Bidders must comply with the provisions under MGL, c. 90, Section 34, 720 CMR 5.00 which are subject to MassDOT's contractor prequalification requirements.

Quantity amounts are for comparing and evaluating bid prices only. It is specifically understood that the Town does not agree to purchase any specific quantity, and purchases will be made for actual requirements of the Town, only. The Town may increase or decrease the quantity of any item specified without change in price per unit of quantity as stated in the Contractor's Bid Response.

Bids must remain firm throughout the contract term, unless otherwise specified. No increase in the unit price bid, once accepted and awarded will be permitted.

BID PRICE

(Copy from Bid Tabulation Final Page above)

Total Extended Part One Bid Price: \$ _____

Total Extended Part One Bid Price in Words: _____

ADDENDA

This bid includes addenda(s) numbered _____ (List all Addenda).

CONTRACTOR INFORMATION AND CERTIFICATION OF BID

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

COMPANY NAME: _____

ADDRESS: _____

AUTHORIZED SIGNATURE _____

NAME AND TITLE (print): _____

PHONE: _____

DATE: _____

CERTIFICATE OF AUTHORITY

At a duly authorized meeting of the Board of Directors of the _____ held
on _____ Directors were present or waived notice, _____
(date) (name of corporation)

it was voted that _____ of this company be and hereby is
(officer and title)
authorized to execute contracts and bonds in the name and behalf of said company, and affix its Corporate Seal
thereto, and such execution of any contract or bond of obligation in this company's name on its behalf of such
_____ under seal of the company shall be valid and binding upon this company.

(OECCr')

A TRUE COPY,

ATTEST:

Place of Business: _____

I hereby certify that I am the _____ of the _____
(Title) (Name of Corporation)

that _____ is the duly elected _____
(Name of Officer) (Title)

of said company, and the above vote has not been amended or rescinded and remains in full force and effect as of
the date of this contract.

Signature: _____

Name/Title: _____

Date: _____
(Corporate Seal)

COMMONWEALTH OF MASSACHUSETTS

WORCESTER, SS.

, 20____

Then personally appeared the above named
instrument to be his/her free act and deed before me.

and acknowledged the foregoing

Notary Public
My commission expires:

**AFFIDAVIT
REVENUE ENFORCEMENT AND
PROTECTION ACT REQUIREMENT**

I, _____, representing _____
(Legal Name of Bidder)

do hereby state that all laws of the Commonwealth of Massachusetts relative to taxation have been complied with. This statement is in compliance with Chapter 62C, Section 49A (b) as added by Chapter 233, Section 36 of the Acts of 1983, and made under penalties of perjury this _____ day of _____ 20__.

By: _____
(Signature)

(Title)

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)

(Name of person signing bid or proposal)

(Title)

(Name of business)

HOLD HARMLESS AGREEMENT

The Contractor, _____, agrees to indemnify and hold harmless the Town of Northbridge, its officers, employees, and agents from and against any and all liabilities, claims, damages or expenses resulting from or incurred in connection with work performed under this contract.

The Contractor agrees to indemnify and hold the Town of Northbridge harmless from and against any and all suits, causes of action, judgments or damages, including attorneys' fees, arising out of or resulting from bodily injury or death or destruction of property, in connection with work performed under this contract.

(Signature)

(Name of person signing bid or proposal)

(Name of business)

OSHA TRAINING CERTIFICATION

The Contractor, _____, confirms that all employees that will be employed, have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration. M.G.L c. 30 §39S(a).

(Signature)

(Name of person signing bid or proposal)

(Title)

USE OF UNDOCUMENTED WORKERS

CONTRACTOR CERTIFICATION

As evidenced by the signature of the Contractor's Authorized Signatory below, the Contractor certifies under the pains and penalties of perjury that the Contractor shall not knowingly use undocumented workers in connection with the performance of all contracts with Town of Northbridge; that pursuant to federal requirements, the Contractor shall verify the immigration status of all workers assigned to such contracts without engaging in unlawful discrimination; and that the Contractor shall not knowingly or recklessly alter, falsify, or accept altered or falsified documents from any such worker(s). The Contractor understands and agrees that breach of any of these terms during the period of each contract may be regarded as a material breach, subjecting the Contractor to sanctions, including but not limited to monetary penalties, withholding of payments, contract suspension or termination.

Name of Contractor

Mailing Address

City, State Zip Code

Contractor's Authorizing Signature

Date

Printed Name

Title

Telephone

FAX

E-Mail Address

Required Submission Item Checklist

The following items must be submitted with the bid. Failure to include these items may result in disqualification of the bid. Please indicate in the space provided that the items are enclosed and return this checklist with the bid.

<u>Item Description</u>	<u>Enclosed (Yes or No)</u>
Bid Bond	_____
Evidence of sufficient capital/equipment	_____
List of three similar completed jobs	_____
List of contact persons for above jobs	_____
Affidavit – Revenue Enforcement and Protection Act Requirement	_____
Certificate of Non-Collusion	_____
Hold Harmless Agreement	_____
Certificate of Compliance	_____
Use of Undocumented Workers - Contractor Certification	_____
Bid Form including bid prices for all items	_____
Form W-9	_____
OSHA Certification	_____