



Charles D. Baker, Governor
Karyn E. Polito, Lieutenant Governor
Stephanie Pollack, Secretary & CEO
Thomas Tinlin, Administrator



**PERMIT - AMESBURY
SAFETY IMPROVEMENTS**

Permit #: 4-2016-0278

Subject to all the terms, conditions, and restrictions printed or written below, permission is hereby granted to AMESBURY HEIGHTS, LLC. To enter upon the State Highway known as ROUTE 110 (HAVERHILL ROAD) and ROUTE 150 (HILLSIDE AVENUE) for the purpose of performing roadway and traffic signal improvements between approximate stations 21+79 (Route 110 - 1963 State Highway Baseline) and 92+20 (Route 110 - 1926 State Highway Baseline) and approximate stations 66+99 and 69+48 (Route 150 - 1963 State Highway Baseline). Work includes reconstructing the signalized intersection of Route 110 and Route 150, reconstructing bituminous concrete residential and commercial driveway approaches, installing chain-link fencing, sidewalk improvements, constructing pedestrian improvements, constructing a rip-rap slope, cold planing and resurfacing, pavement markings and related work. All work shall be done in accordance with the plans and documents submitted and on file in the District Four Permit Office by Vanasse Hangen Brustlin, Inc. titled "Safety Improvement Project, Haverhill Road (Route 110)" dated August 22, 2016.

WORK HOURS: 9:00 A.M. thru 3:00 P.M. Monday thru Friday.

The Grantee shall not engage in any signalization work under benefit of this Permit until the appropriate Signal Regulation and Utility Agreements have been both approved and signed by the Boston Office.

The Grantee shall not engage in any work under benefit of this Permit until a MassDOT Roadway Work Notification Form (attached) is filed with the District Permit Office prior to the start of work. The form must contain the required information and have the proper signatory approval. The form must be submitted no later than 12:00 PM on the Wednesday prior to the week the work will begin. The duration of work approvals shall be limited to one week at a time. If the work exceeds one week then a new Roadway Work Notification Form is required to be submitted for each additional week. The Grantee can fax the completed form to MassDOT at 781.646.5115.

The Contractor is responsible to ensure that all contractor personnel, including all subcontractors, working on the project are issued and are wearing all necessary personal protective safety equipment while working within the project limits. This equipment shall include, as a minimum, a hardhat and a safety vest, regardless of the type of work being performed. Other safety equipment shall be added as required to perform the work in which they are engaged and in accordance with all local, state and federal requirements in effect.

The Grantee shall notify the District Permit Office at 781.641.8451, two (2) working days prior to the start of work. No work shall be authorized without said notification.

The Grantee shall contact the Area Contact Person (7:30 AM to 4:00 PM Monday through Friday) at 617.279.7203, two (2) working days prior to the start of work.

Whenever work is to be done within two hundred (200) feet of existing State Highway Traffic Signals, the District Office must be notified by the Grantee at least 48 hours prior to the start of work by calling the District Traffic Office at 781.641.8485.

Care shall be exercised so as not to disturb any existing State Highway Traffic Loops. If said loops are disturbed, they shall be restored immediately after the end of the work day to their original condition. All expenses for restoring conditions shall be borne by the Grantee.

The Grantee's project traffic design engineer shall provide shop drawing review, final signal inspection services, punch list resolution and electronic as-built drawings. Signal work will not be accepted until all outstanding punch list items have been addressed and as built drawings are submitted to the District Traffic Engineer in the standard signal inventory format and software version and approved.

The Grantee shall also obtain the services of a qualified engineering consulting firm, acceptable to the Department, to provide continuous on-site inspection of any traffic signal, highway lighting, flashing beacon, illuminated sign, other electrical work or traffic management associated with this project. This consultant shall be present during all mast arm, strain pole and controller cabinet foundation installations to insure proper location, orientation and conformance to design standards. This consultant shall submit weekly reports to the District 4 Permits Office summarizing daily activities and progress. The requirements of this and the preceding paragraph can be combined and completed by the same consultant, provided the consultant is acceptable to the Department.

The splicing of cables is not allowed within the MHD layout.

The Grantee shall utilize and pay for uniformed police officers with their official vehicles to be in attendance at all times while work is being done under this permit.

The furnishing and erecting of all required signs and traffic safety devices shall be the responsibility of the Grantee. All signs and devices shall conform to the 2009 edition of the Manual on Uniform Traffic Control Devices (MUTCD) with the Commonwealth of Massachusetts Amendments.

Cones and non-reflecting warning devices shall not be left in operating position on the highway when the daytime operations have ceased. If it becomes necessary for this Department to remove any construction warning devices or their appurtenances from the project due to negligence by the Grantee all costs for this work will be charged to the Grantee.

Flashing arrow boards will be used at all times when operations occupy the roadway and shall be available for use at all times. All warning devices shall be subject to removal, replacement and repositioning by the Grantee as often as deemed necessary by the Engineer.

The Grantee shall not engage in any trench work under benefit of this Permit until a Department of Public Safety Excavation of Trenches Form (attached) is filed with the District Permit Office two (2) working days prior to the start of work. The Grantee can fax the completed form to MassDOT at 781.646.5115.

The Grantee(s) must adhere to 520 CMR 14.00; EXCAVATION AND TRENCH SAFETY as promulgated by the Department of Public Safety in conjunction with the Division of Occupational Safety pursuant to the authority granted by M.G.L. Chapter 82A: Section 1.

The Attached Trench Permit Rider shall become an integral part of the terms and conditions of this permit.

If the Grantee elects to use steel plates to protect the excavations, they shall be of sufficient thickness to resist bending and vibration under traffic loads, recessed and set flush with the adjacent roadway surface, and shall be anchored securely to prevent movement. Class I Bituminous Concrete Pavement shall be placed around the steel plates to provide a smooth transition between the plates and the roadway. If these conditions are not met the Grantee will be required to back fill and pave the excavations daily. No trench shall be left open during non-working hours.

Steel sheeting, shoring or bracing shall be driven or placed for all depths over 5 feet. At the discretion of the State Engineer said sheeting shall be left in place and cut off two (2) feet below the surface.

A copy of this permit must be on the job site at all times for inspection. Failure to have this permit available will result in suspension of the rights granted by this permit until such permit is made available.

The Completion of Work Form shall be sent to the Grantor as soon as possible after the completion of the physical work.

The commercial drive/drives shall be surfaced with Bituminous Concrete, Type I and shall be comprised of a 3" Class I Bituminous Concrete Base Course and two (2) 1 1/2" courses of Class I Bituminous Concrete Pavement for a total depth of 6" with a foundation of at least 6" of compacted gravel. The finished surface shall butt into and not overlap the existing highway grade at the road edge.

The residential drive/drives shall be surfaced with Bituminous Concrete, Type I and shall be laid in two courses to a depth of three inches, after rolling, with a foundation of at least six inches of compacted gravel. The finished surface shall butt into and not overlap the existing highway grade at the road edge.

The drive/drives shall be graded so that no water shall enter the State Highway layout nor pond or collect thereon, including the roadway.

The Grantee shall be responsible for any ponding of water which may develop within the State Highway Layout, caused by this work. The Grantee shall be responsible for any settlement which may occur as a result of the work done under this permit.

The part of the drive/drives located within the limits of the State Highway shall be maintained by the Grantee, at his own expense and to the satisfaction of the District Highway Director or an authorized Representative.

The curb shall be placed in conjunction with or immediately before the completion of the driveway surfacing. Curbing and/or bituminous concrete removed from within the proposed driveway limits shall be disposed of outside the State Highway location lines.

The Grantee will be responsible for any damage caused by this operation to curbing, structures, roadway, etc.

Sidewalks and Wheelchair ramps shall be constructed in accordance with 521 CMR Rules and Regulations of the Architectural Access Board (AAB) and Americans with Disabilities Act (ADA), (Sections 20.2 and 21.1), and the MassHighway Wheelchair Ramp Standards booklet effective 10/8/97, and the Construction and Traffic Standards Details, 1996 Metric Edition as revised.

After the sidewalk subgrade has been prepared, a foundation of gravel shall be placed upon it. After being mechanically compacted thoroughly, the foundation shall be at least 8 inches in thickness and parallel to the proposed surface of the walk.

The bituminous concrete sidewalk surfaces shall be laid in 2 courses to a depth after rolling of 2 1/2 inches. The bottom course shall be 1 1/4 inches in thickness and its surface after rolling shall be 1 1/4 inches below the parallel to the proposed grade of the finished surface. The top course shall be 1 1/4 inches in thickness after rolling.

If the sidewalk area is disturbed, it shall be restored, full width, in kind a minimum of five feet beyond any disturbed area.

All pavement markings shall be thermoplastic.

All existing pavement markings proposed to be removed shall be removed completely by grinding.

It shall be the responsibility of the Grantee to replace all pavement markings which have been disturbed by this permit. These pavement markings shall be restored within ten (10) days after this work is performed or as deemed necessary by the District Highway Director or an authorized Representative.

It is imperative that construction operations are managed so that motorists travel "delay"

is minimized. At any time during the operation when a traffic delay of over twelve (12) minutes occurs and the situation is worsening, the Grantee will begin to suspend operations. Continuously increasing "delays" of over twelve (12) minutes are not to be permitted and may result in the suspension of the operation or termination of this Permit by the Department.

After the work has been completed the Grantee shall install a surface treatment, consisting of bituminous concrete, machine laid, full width of the roadway a minimum of thirty feet beyond any disturbed areas.

Provisions shall be made for the safety and protection of Pedestrian Traffic during the construction period.

It shall be the responsibility of the Grantee to provide access to the property of residents and business owners during the progress of the proposed work.

The Grantee shall notify Dig-Safe at 1.888.344.7233 at least 72 hours prior to the start of work for the purpose of identifying the location of underground utilities.

Dig-Safe # To be obtained prior to the commencement of work.

All utility companies whose services are located within or adjacent to the proposed installation areas shall be notified in writing of the proposed installation at least 48 hours prior to the start of any excavation in said areas. This is independent of the required dig safe notification.

All work shall be in compliance with the 1988 Edition of the "Massachusetts Highway Department Standard Specifications for Highways and Bridges", and Supplemental Specifications Dated June 15, 2012.

No equipment, trucks, workers, etc., shall occupy any part of the traveled way except between the hours of 9:00 A.M. and 3:00 P.M. Monday thru Friday. Except for an emergency, in no case will operations exceed the specified hours without the prior approval of the District Highway Director or an authorized Representative. This includes the placement of traffic control devices, vehicles, equipment or anything that restricts the flow of traffic through the construction zone. Emergencies must be unexpected situations or sudden occurrences of a serious and urgent nature that demand immediate attention.

No work shall be done under the terms of this permit on Saturdays, Sundays or Holidays.

No work will be performed on the day before or the day after a holiday or a long weekend which involves a holiday on any highway, roadway or property under the control of the MassDOT Highway Division or in areas where the work would adversely impact the normal flow of traffic on the State Highway System, without permission of the District Highway Director or an authorized Representative.

When in the opinion of the Engineer, this operation constitutes a hazard to traffic in any area, the Grantee may be required to suspend operations during certain hours and to remove his

equipment from the roadway.

No work shall be authorized during snow, sleet, or ice storms and subsequent snow and ice operations.

No bituminous concrete shall be installed between November 15th and April 15th without prior approval from the District Highway Director or an authorized Representative.

The State Highway Layout shall be kept clean of debris of any nature at all times and shall be thoroughly cleaned at the completion of this permit.

At the completion of this permit, all disturbed areas shall be restored to a condition equal or similar to that which existed prior to the work.

Any grass areas disturbed within the State Highway Layout shall be graded, loamed to a depth of 4" and seeded.

Any bound marked MHB shall not be removed or disturbed. If it becomes necessary to remove and reset any highway bounds then the Grantee shall hire a Registered Professional Land Surveyor to perform this work. It shall be the responsibility of this land surveyor to submit to this office a statement in writing and a plan containing his stamp and signature showing that said work has been performed.

The Grantee assumes all risk associated with any environmental condition within the subject property and shall be solely responsible for all costs associated with evaluating, assessing, and remediating, in accordance with all applicable laws, any environmental contamination (1) discovered during Grantee's work or activities under this permit to the extent such evaluation, assessment or remediation is required for Grantee's work, or (2) resulting from Grantee's work or activities under this permit. Grantee shall notify Grantor of any such assessment and remediation activities. The Grantee is hereby held solely responsible for obtaining and maintaining any and all environmental compliance permits required by local, state and federal laws and regulations when regular or emergency work is proposed within, or in close proximity to, any wetland area.

This permit is issued with the stipulation that it may be modified or revoked at any time at the discretion of the District Four Highway Director or an authorized Representative without rendering said Department or the Commonwealth of Massachusetts liable in any way.

The Grantee shall indemnify and hold harmless the Commonwealth and its Highway Division against all suits, claims or liability of every name and nature arising at any time out of or in consequence of the acts of the Grantee in the performance of the work covered by this permit and or failure to comply with terms and conditions of the permit whether by themselves or their employees or subcontractors.

APPLICANT'S REPRESENTATIVE: Wayne Amico, PE

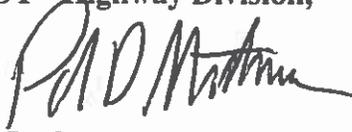
TELEPHONE NUMBER: (617) 607-1577

The Permit shall be void unless the work herein contemplated shall have been completed before September 6, 2017.

Dated at Arlington this 6th day of September, 2016.

MassDOT - Highway Division,

By

A handwritten signature in black ink, appearing to read "Paul D. Stedman", written over the printed name.

**Paul D. Stedman
District Highway Director**

PMC/pmc