

**SECTION 01540
MAINTENANCE AND PROTECTION OF TRAFFIC**

PART 1 – GENERAL

1.0 DESCRIPTION

This work shall consist of the maintenance and protection of vehicular and pedestrian traffic on public streets and sidewalks in conformity with the requirements of this specification and other Contract Documents. The Contractor assumes full liability for the maintenance and protection of vehicular and pedestrian traffic.

2.0 MATERIALS

All signs, barricades, lights, flashers, traffic cones, and other items necessary to forewarn and guide vehicular and pedestrian traffic shall be of a number and quality satisfactory to the Engineer and governmental agencies having jurisdiction. The Contractor shall provide all signs, barricades, lights, flashers, traffic cones and other items necessary to forewarn and guide vehicular and pedestrian traffic.

3.0 CONSTRUCTION METHODS

- A. General: The Contractor shall obey all applicable state and local regulations regarding maintenance and protection of traffic.
- B. Meeting and Proposal: Prior to the commencement of any construction whatsoever, the Contractor shall meet with the Engineer or his representative and representatives from the Public Works and Police Department and shall present a detailed written plan showing the sequence of construction and the method of protecting vehicular and pedestrian traffic during each sequence. The plan shall show the location, width and construction details of travel lanes and the number and location of all proposed signs, barricades, flashers, traffic cones or other appurtenances to forewarn and guide traffic. Approval of the schedule of operations and plan by the Engineer shall in no way relieve the Contractor from his full responsibility for the maintenance and protection of traffic.
- C. Existing Streets Open: Except as otherwise provided in this section, or permitted by the Engineer, the Contractor shall keep all existing streets open to traffic for the full length of the Project and shall provide a sufficient number of travel lanes to move that traffic ordinarily using the roadway. The travel lanes shall be drained and kept reasonably smooth and in suitable condition at all times in order to provide minimum interference to traffic consistent with the proper prosecution of the work.
- D. Lanes of Travel: Travel lanes shall be maintained by the Contractor in a suitable manner at all times. The Contractor will be responsible for removal of snow and ice on all streets and detours within the Area of Work while he is actively prosecuting the completion of the Contract. If there is a temporary shutdown approved by the Engineer, the Contractor will not normally be responsible for snow and ice removal. The Contractor will maintain the trench in good repair during these periods.
- E. Street Closings: The closing of any street for any purpose whatsoever shall be for the length of time and subject to the restrictions the Engineer may impose.
No street will be closed without the Contractor having received prior approval of the Police Department and the Department of Public Works of the City of East Hartford. The Contractor will make sure that the Fire Department and any other agencies which may be affected by the closing are notified.
- F. Pedestrian Traffic – All Sidewalks Open: Except as indicated on the plans provided in this Section, or as permitted by the Engineer, the Contractor shall keep all public sidewalks open. On sidewalks open to the public the Contractor shall be responsible for removal of snow and ice and for repairs necessary to obtain safe pedestrian conditions. Sidewalks broken up during construction shall be removed and replaced and/or patched temporarily with bituminous concrete.

During temporary shutdowns approved by the Engineer, snow and ice removal will normally be performed by others. The Contractor will maintain the sidewalks and other pedestrian walkways in good repair during these periods.

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- G. Signs for Closing: In those instances where the Contractor is permitted to eliminate pedestrian access, the Contractor shall erect signs to warn pedestrians of the closing. Such signs shall be erected at the nearest street intersection at either end of the sidewalk on which pedestrian access is to be eliminated. Signs shall warn pedestrians of the closing and shall indicate the nearest alternate route of pedestrian passage. In addition, barricades shall be placed to separate areas in which pedestrian access is permitted.
- H. Engineer's Restrictions: Elimination of pedestrian access at any area shall be for the length of time and subject to restrictions the Engineer may impose.
- I. Pedestrian Detours: When work is to be done which will not necessitate eliminating pedestrian access but which will temporarily interfere with pedestrian access, adequate signs, barricades and other devices shall be employed to warn pedestrians. During non-working hours pedestrian detours shall be provided such that pedestrians will not be required to travel in the street or on private property. Work temporarily interfering with pedestrian movement shall be completed and the site cleaned up as quickly as is reasonably possible.
- J. Provision for Private Access: The Contractor shall schedule his operations to cause a minimum of inconvenience to occupants of existing properties within the area of work. Prior to restricting or eliminating vehicular access to any property the Contractor shall give the occupants of the property twenty-four hours' notice. Thereafter, the Contractor shall complete the items of work and restore access as rapidly as reasonably possible. Restrictions of access shall at all times be subject to the approval of the Engineer. At no time shall the Contractor prevent pedestrian access to any existing building. Where existing access is eliminated and other access substituted therefor, the substituted access shall be maintained by the Contractor to a quality equal to or better than the eliminated access.
- K. Signs and Other Warning Devices – Illumination of Warning Devices: All signs and barricades or other appurtenances for the protection of the public shall be illuminated by flashers during the hours of darkness or low visibility. The Contractor shall keep all signs in proper position, clean and legible at all times. Care shall be taken that weeds, shrubbery, construction materials or equipment and soil are not allowed to obscure any sign, light or barricade. Signs that do not apply to existing conditions shall be removed or adjusted so that the legend is not visible to approaching traffic.
- L. Materials for Protection of Traffic: At any time, the Engineer may order materials furnished or work performed by the Contractor as the Engineer deems necessary for the maintenance and protection of traffic. The Contractor shall comply with such orders at no additional cost. The omission of the Engineer to so order shall not relieve the Contractor of his full responsibility for the maintenance and protection of traffic. If the Contractor fails to respond to the Engineer's order for work or material within the shortest reasonable time possible, the Engineer shall have the right to have the work done by private forces and shall deduct the cost thereof from monies due the Contractor.
- M. Traffic Control during Storm Drainage installation: During the installation of the storm drainage and any other utility work, the Contractor shall maintain a minimum of 1 lane alternating traffic with an 11' wide lane.
- N. Traffic Control during Road Pavement Reconstruction: The Contractor shall schedule the road pavement reconstruction during the summer when local public schools are not in session. Contractor shall coordinate with all local emergency response departments, and public works. The Contractor shall be allowed to close the road to all but local traffic (residents living on Ensign Street). The detour shall direct traffic to Riverside Drive via Willow Street. The detour shall be in effect for as short a period of time as reasonable. Contractor shall accommodate emergency response vehicles, mail and other delivery vehicles.
- O. Pedestrian Traffic Control during Construction: The Contractor shall maintain pedestrian access through the project site during all phases of construction. During periods when the sidewalk along the south side of Ensign Street is closed to pedestrian traffic due to the installation of the storm sewer and any other utilities, appropriate signage directing pedestrians to use the north side sidewalk shall be installed and maintained. The sidewalk along the south side shall be replaced as soon as reasonable during the construction process. Pedestrian access shall be maintained to all residences during construction.

4.0 METHOD OF MEASUREMENT

The costs for construction, maintenance and removal of detours, signs, barricades, flashers and all else necessary

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to maintain and protect traffic all in accordance with the provisions of the Contract Document will not be measured for payment separately, but shall be included in the base bid.

5.0 BASIS OF PAYMENT

Maintenance and Protection of Vehicular and Pedestrian Traffic required for or forming a part of the work called for by the Drawings, these Specifications, or other Contract Documents will be paid for as part of the lump sum base bid, and shall include construction, maintenance and removal of detours, signs, barricades, flashers, cones, and all else necessary to maintain and protect traffic all in accordance with the provisions of the Contract Documents

END OF SECTION

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