

SECTION 01570**CONSTRUCTION ZONE SAFETY PLAN****PART 1 GENERAL****1.01 SUMMARY**

- A. This Section includes complying with the Construction Zone Safety Plan (the "Plan") including without limitation providing all labor, materials and equipment to install and maintain traffic control devices and employ Police details, as are required by the Plan. Traffic control devices shall include but are not limited to channelizing devices, signs, barricades, temporary pavement markings, lighting devices, variable message boards, and hand signal devices in the amounts and locations indicated in the Plan.
- B. Comply with all aspects of the Plan in the maintenance, support, adjustment, and relocation of utility systems, regardless of utility owner and regardless of whether the actual work is being performed by the Contractor, by a Subcontractor, by the utility owner's forces, or by a contractor working for the utility owner.

1.02 RELATED SECTIONS

- A. Section 01300 – Submittals

1.03 CODES AND STANDARDS

- A. U.S. Department of Transportation, Federal Highway Administration "Manual of Uniform Traffic Control Devices for Streets and Highways" (MUTCD), latest edition
- B. Massachusetts Department of Transportation (MassDOT), "Standard Specifications for Highways and Bridges"
- C. Code of Massachusetts Regulations
 - 1. 701 CMR 7.00 "Use of Road Flaggers and Police Details on Public Works Projects"
 - 2. Reference is made herein to the Commonwealth of Massachusetts, Department of Transportation (MassDOT), formerly Massachusetts Highway Department (MHD) Standard Specifications for Highways and Bridges, latest edition, hereinafter referred to as the "Standard Specifications". All references to method of measurement, basis of payment, and payment items in the "Standard Specifications" are hereby deleted. References made to particular sections or paragraphs in the "Standard Specifications" shall include all related articles mentioned therein.
- D. Other standards, if any, indicated in the Plan

1.04 SUBMITTALS

A. Submit the following in accordance with Section 01300 – Submittals:

1. Shop drawings and product data for all traffic control devices indicated, including barriers, fencing, barrels, cones, flashing arrows, and signs.

1.05 QUALITY ASSURANCE (NOT USED)**1.06 QUALIFICATIONS (NOT USED)****1.07 DELIVERY, STORAGE, AND HANDLING (NOT USED)****1.08 PROJECT/SITE CONDITIONS (NOT USED)****1.09 DEFINITIONS (NOT USED)****1.10 TOLERANCE (NOT USED)****1.11 SEQUENCING AND SCHEDULING**

- A. Schedule implementation of traffic maintenance equipment and procedures required by the Plan.
- B. Coordinate work in this Section with the Authority's Authorized Representative, the Authority's Public Affairs Department and all other governing authorities indicated in the Plan.

PART 2 PRODUCTS**2.01 TRAFFIC CONTROL DEVICES**

- A. Provide interim traffic signage and traffic control devices in accordance with the Plan. Barriers, barrier fences, traffic signs, and other traffic control devices shall conform to the MUTCD and other standards, if any, indicated in the Plan.
- B. Portable Changeable Message Signs shall be temporary traffic control devices programmable to display messages meeting the requirements of the MUTCD, Section 6F-52. When in operating mode, minimum mounting height shall be seven (7) feet above the roadway to the bottom of the panel, except on vehicle-mounted panels which should be mounted as high as possible.
- C. Temporary Impact Attenuators shall be in accordance with MHD Highway Design Manual Section 9.5.

- D. Wire Loop detectors shall be in accordance with MHD Highway Design Manual Section 815.

PART 3 EXECUTION

3.01 GENERAL

- A. Vehicular and pedestrian traffic shall be maintained in accordance with the Plan. At all times, conduct work to maintain the flow of pedestrian and vehicular traffic and prevent inconvenience to the general public and residents in the vicinity of the work, and to insure protection of persons and property. Keep fire hydrants on and adjacent to the work accessible to firefighting equipment at all times. Make temporary provisions to ensure the unimpeded use of sidewalks and access to businesses and residences. Do not obstruct gutters, storm water systems, drainage ditches, and culverts.
- B. Notify abutters with respect to work that may impede traffic at least one (1) week prior to beginning work at the site.
- C. Provide at least 72 hours' notice of detours, lane closures, and street closures indicated in the Plan to the Authority, property owners abutting the street closure, and other governing authorities with jurisdiction as indicated in the Plan.

3.02 LANE CLOSURES AND TRAFFIC DETOURS

- A. General:
 - 1. Provide and erect traffic control devices, lighting and signage as indicated in the Plan.
- B. Construction in Public Streets without full street closure:
 - 1. Maintain clear passage for emergency vehicles at all times.
 - 2. Excavations adjacent to travel lanes, parking spaces and driveways shall also be protected by concrete median barriers and as required by 520 CMR 14.00.
 - 3. Any street, road, walk, driveway, private way or land area, public or private, that is not indicated to be closed shall be maintained passable and safe. If any street, road or private way shall be rendered unsafe by the Contractor's operations as determined by the Authority, or if the Contractor is not in compliance with the Plan, provide additional personnel and traffic control devices as directed by the Authority or other governing authorities, at no additional cost to the Authority.

C. Street Closures:

1. The closing of streets or roadways shall only occur where indicated in the Plan.
2. Use battery or solar powered barricades with warning signs to protect streets and roadways which are closed to traffic.

3.03 INSTALLATION

A. General

1. Conduct work in manner to interfere as little as possible with public travel, whether vehicular or pedestrian.
2. Provide and maintain steel cover plates for accommodation of public and private travel whenever it is necessary to cross or obstruct driveways and walks, whether public or private.
 - a. Installation of temporary steel plates shall be in accordance with 520 CMR 14.00.
3. When indicated in the Plan, widen shoulder on opposite side of the work site and provide temporary surfacing on shoulders.
4. Detours. If indicated in the Plan, construct and maintain a detour around construction work to maintain traffic, including indicated traffic control devices.
5. Illuminate barricades and obstructions with warning lights from sunset to sunrise.

3.04 TRAFFIC CONTROLLER SERVICES

- A. Provide traffic controllers consisting of Police Details for the direction and control of pedestrian and vehicular traffic in accordance with the Plan.

3.05 RESTORATION

- A. Remove traffic control devices, signage, and pavement markings upon completion of work in the area and restore the area, including pavement markings and signage, to its original condition.

**** END OF SECTION ****