ITEM #0971200A – MAINTENANCE PEDESTRIAN ACCESS

Article 9.71.01 – Description is supplemented by the following:

The Contractor shall maintain and protect vehicular and pedestrian traffic as follows, as shown on the plans, and as limited in the Special Provision "Prosecution and Progress":

Description:

Work under this item shall consist of providing signage, fencing and channelization for a safe walking path for pedestrians through a construction zone, and including, where required, furnishing, erecting, maintaining and removing structures over public sidewalks to protect pedestrians from falling objects from construction activities where shown on the plans or as directed by the Engineer. The Contractor shall ensure that access of pedestrians is maintained as follows:

- One sidewalk to remain accessible at all times on Herald Square.
- Protected access adjacent to the southbound direction of travel on Columbus Boulevard, as there is no sidewalk adjacent to the northbound direction of travel.
- Access to be maintained on the sidewalk or protected access along the CTfastrak Busway.
- Access to be maintained along either the northbound or southbound sidewalks on Route 71 from Arch/Chestnut Street through to East Main Street.

Materials:

Where protected access is to be provided, install sidewalk sheds. All materials used for the sidewalk sheds shall be suitable for the intended purpose and shall meet the minimum material requirements identified in the Contractor's Working Drawing submission and shall also meet the requirements of sections M.03, M.06, M.11 and M.15 as applicable. All material proposed for use that has been salvaged shall be subject to inspection by the Engineer. Material deemed to be damaged or otherwise unsuitable for use shall be removed from the site by the Contractor.

Construction Methods:

The Contractor shall prepare a Working Drawing submission for the sidewalk sheds in accordance with Section 1.05.02. The submission shall include the details of the sheds, lighting, anchorage, material requirements, and construction and maintenance requirements. The working drawings shall be signed and sealed by an Engineer registered in the State of Connecticut and shall include the supporting design calculations.

Sidewalk sheds shall be erected in accordance with the manufacturer's recommendations for prefabricated pedestrian shelters or in accordance with any special construction requirements specified in the working drawing submission for Contractor designed systems.

Shed construction shall be performed in a workmanlike manner with care taken to provide a secure structure that satisfies the need to provide a roofed enclosure without introducing hazards including sharp edges, projections or other potential safety hazards. Sheds shall be in place prior to any construction or demolition on overpass structures and shall typically extend 10 feet beyond the limits of the overpass structure. Sheds shall be removed within one week of the completion of all construction or demolition activity on the overpass structure.

Sheds shall provide an unobstructed passageway with a minimum clear width of 6 feet and a clear height of 10 feet for pedestrian access and shall be lighted at all times by either natural or artificial light. The level of illumination shall have an intensity of not less than five foot- candles (54 lux) measured at the walkway level to ensure the safe movement of persons. Lighting shall be vandal proof fixtures mounted a minimum of 10 feet above the sidewalk level. Sheds shall have a solid roof deck designed for a minimum construction load of 150 psf and as required to meet construction demand and design codes. Edges of roof deck shall be detailed with debris guards that prevent miscellaneous construction debris from falling onto areas accessible to pedestrians or into the roadway shoulders or travelways. Sheds shall be designed with open sides facing the adjacent roadway. The side walls on the far side from the roadway may be designed as open or solid faced, but shall provide protection to those on the sidewalk at all times.

The Contractor shall not store materials on the shed or use the shed to support other construction activities unless the shed is specifically designed and detailed for such use.

The Contractor shall be responsible for the maintenance of sidewalk sheds including the lighting. Snow or construction debris accumulations on the roof of sheds shall be removed as a regular maintenance activity and the Contractor's design of the shed shall account for the loads associated with snow, construction debris and the removal of same.

The Contractor shall remove portions of the shed when construction access or a work area is required to perform adjacent construction on bridge substructures. Such removal and the subsequent reinstallation shall only take place when the section of sidewalk is closed to pedestrian traffic and an alternate pathway is open for pedestrians in accordance with the Item "Maintenance and Protection of Traffic".

Temporary Protective Fencing:

The Contractor shall install, relocate, maintain and remove temporary protective fencing at locations where normal pedestrian pathways or movements are restricted from construction areas during construction staging. All temporary pathways for channelizing the movement of pedestrians during construction or separation barriers/fencing for isolating construction areas from pedestrians shall be in accordance with the latest edition of the MUTCD, as shown on the plans, or as ordered by the Engineer.

At locations where temporary relocation or construction of pedestrian access facilities are shown on the contract plans, including but not limited to all temporary construction of stairs, ramps,

pedestrian bridges and associated railings; the Contractor shall relocate or construct such temporary works in accordance with the plans, the latest edition of the MUTCD, and the current provisions of the Americans with Disabilities Act.

Method of Measurement:

Work under this item will not be measured for payment, but will be paid for at the contract lump sum price.

Basis of Payment:

This work will be paid for at the contract lump sum price for "Maintenance Pedestrian Access", which price shall including the work defined herein and called for on the plans, inclusive of the design, installation, maintenance and removal of sidewalk sheds and all materials, equipment, labor and work incidental thereto.

Pay Item	Pay Unit
Maintenance Pedestrian Access	L.S.