**SECTION 34 71 10**

**MOTORIZED TRAFFIC, BIKE, AND PEDESTRIAN CONTROL**

**BASED ON DFD MASTER SPECIFICATION DATED 11/18/2022**

This section has been written to cover most (but not all) situations that you will encounter. Depending on the requirements of your specific project, you may have to add material, delete items, or modify what is currently written. The Division of Facilities Development expects changes and comments from you.

**PART 1 – GENERAL**

**SCOPE**

The work under this section shall include providing materials, labor, equipment, and supervision to furnish, install, maintain, move, and remove traffic control items as indicated on the drawings and specified herein. The work also includes the labor, materials, equipment and supervision to install, maintain, move and remove bus stop signs, and support systems as indicated on the drawings and specified herein.

PART 1 – GENERAL

 Scope

 Quality Control

 Submittals

 Transportation and Handling

PART 2 – PRODUCTS

 Motorized Traffic, Bike, and Pedestrian Control Devices

 Temporary Vehicle Bridge

 Temporary Pedestrian Bridge

PART 3 – EXECUTION

 Inspection

 Preparation

 Sign and Hardware Installation

 Temporary Vehicle Bridge

 Temporary Pedestrian Bridge

 Flagging Operations

**Quality Control**

The traffic control Contractor shall have installed, maintained traffic control devices from 5 projects of similar magnitude and design and if requested, prior to being awarded a contract, shall submit the names, locations, contacts, and the telephone numbers for the five most recently installed, completed projects.

**Submittals**

Submit for review and approval qualifications of traffic control Contractor.

Fixed Message Sign details

* Complete sign face for each sign mark or group of similar signs with dimensioned text size and clearances
* Method of fabrication and materials used
* Quantities of each sign
* Sign mounting hardware
	+ Quantities required of each type of sign
	+ Sign mounting hardware details indicating method of fabrication and all dimensions

Submit six (6) copies of all required submittals.

**Transportation and Handling**

Deliver traffic control devices and mounting hardware to the site packaged to prevent damage and marked for easy identification.

Store materials in a clean, dry location protected from damage and stored horizontal and flat to prevent warping. Replace damaged materials at no cost to the Owner.

Care shall be taken to protect traffic control devices and bus stop signs and supports from damage while installing, moving or removing devices.

**PART 2 – PRODUCTS**

**MOTORIZED TRAFFIC, BIKE, AND PEDESTRIAN CONTROL DEVICES**

Refer to the latest edition of the State of Wisconsin Standard Specifications for Highway and Structure Construction, Section 643 for traffic control devices including traffic control drums, warning lights, flexible tubular markers, barricades, temporary pavement markings, and flashing arrow boards.

**TEMPORARY VEHICLE BRIDGE**

Contractor designed, furnished and installed Vehicle Bridge, designed in accordance with WisDOT and AASHTO standards by a Professional Engineer Registered in the State of Wisconsin. Bridge shall be constructed of concrete and/or steel and designed to be erected on grade and allow for traffic flow with excavation of trench and installation of utilities beneath it. Bridge shall be removable upon completion and backfilling of utility construction. Bridge shall be designed for span and with shown on drawings.

***Remove this section if not needed.***

**TEMPORARY PEDESTRIAN BRIDGE**

Contractor designed, furnished and installed pedestrian bridge, designed in accordance with WisDOT and AASHTO standards by a Professional Engineer Registered in the State of Wisconsin. Bridge shall be constructed of Wood, Concrete, or Steel and erected to provide safe pedestrian access over excavated areas.

***Remove this section if not needed.***

**PART 3 – EXECUTION**

**Inspection**

Prior to installation of signs, examine the site conditions and the Work of Others insofar as it affects this work and report immediately in writing to the Engineer as required by the General Conditions any conditions which interfere with the installation.

Contractor shall move traffic, bike and pedestrian control devices, signs and hardware as needed for each construction phase. Provide duplicate signs for transitions between construction phases. The transition between construction phases shall be seamless for the protection of the work site and/or for the safety of the motoring public, pedestrians and bicyclist.

Begin installing signs only after deficiencies have been corrected in acceptable manner.

Commencement of installation implies acceptance of related work performed by others.

Coordinate temporary bus stop modifications and signage for temporary bus stops with [UW Madison: Rob Kennedy at 608-263-1034]. UW Madison will disseminate any required information to Madison Metro for all bus stops impacted by the project. A minimum of one week advance notice is required.

***This paragraph is for UW Madison only.***

**Preparation**

Prior to sign installation, Contractor shall arrange a meeting with the DFD Project Representative at the site to review the sign placement.

Coordinate the placement of signs with the structural configuration and the lighting location. Additional compensation not allowed for relocating signs after installation if relocating is required by conflicts with lighting, structure, mechanical, electrical or architectural features.

**Sign and Hardware Installation**

Refer to the latest edition of the State of Wisconsin Standard Specifications for Highway and Structure Construction, Section 643.2.9.1-3 for installation of temporary signs and hardware.

Installation for new traffic controls and miscellaneous signage shall conform to City of Madison standard specifications.

Signs shall be mounted level and plumb.

**TEMPORARY VEHICLE BRIDGE**

Install temporary vehicles bridges at location shown on drawings or as required to be able to provide for maintenance of vehicular traffic and deliveries during construction of the project. Remove bridge upon completion of trench backfilling.

***Remove this section if not needed.***

**TEMPORARY PEDESTRIAN BRIDGE**

Install temporary pedestrian bridge at locations shown on drawings or as required to be able to provide emergency egress from buildings and to provide for maintenance of pedestrian traffic during construction of the project. Remove temporary pedestrian bridge upon completion of trench backfilling or curing of concrete and re-establishment of on grade paved pedestrian walk.

***Remove this section if not needed.***

**FLAGGING OPERATIONS**

Provide a flagger as defined in the Wisconsin Manual of Uniform Traffic Control Devices, Chapter 6E. The flagger will be required to direct vehicle and pedestrian movements around the construction work zone as required or deemed necessary based on the activity taking place within the area of construction.

**END OF SECTION**