**SECTION 34 71 13**

**TEMPORARY CONCRETE BARRIER**

**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 consist of providing all work, materials, labor, equipment, and supervision necessary to furnish, install, maintain, move and remove temporary, construction site concrete barriers as provided for in these specifications and on the drawings

The construction traffic control concrete barrier is intended to separate non-construction site traffic (motorized, non-motorized, pedestrians and bicycles from construction activities for the protection of the work site and/or for the safety of the motoring public for the duration of the project construction. The Contractor may also, at his option, wish to construct the barrier for his security purposes unless certain security features of the barrier are specified herein.

PART 1 – GENERAL

 Scope

 Quality Control

 Submittals

 Quality Assurance

 Protection of Existing Work and Facilities

 Provisions for Future Work or Work by Others

 Shop Drawings

PART 2 – PRODUCTS

 General

 Temporary Concrete Barrier

 Barrier Duration

PART 3 – EXECUTION

 Inspection

 Preparation

 Placement

 Site Work

 Cleanup

**Quality Control**

The traffic control Contractor shall have installed and maintained traffic control concrete barriers from five (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 and completed projects.

**Submittals**

Submit for review and approval qualifications of traffic control Contractor.

**QUALITY ASSURANCE**

Where equipment, accessories, or materials are used which differ in arrangement, configuration, dimensions, ratings, or engineering parameters from those indicated in the contract documents, the contractor is responsible for all costs involved in integrating the equipment or accessories into the system and for obtaining the intended performance from the system into which these items are placed.

**PROTECTION OF EXISTING WORK AND FACILITIES**

The Contractor shall verify the locations of any water, drainage, gas, sewer, electric, drainage, gas, sewer, electric, telephone or steam lines which may be encountered in the excavation of barrier bases or the driving of posts.

The Contractor shall verify the locations of, and protect, any signs, paved surfaces, buildings, structures, landscaping, lights, utilities, and all other such facilities that may be encountered or interfered with during the progress of the work. The contractor shall take all measures necessary to safeguard all existing work and facilities which are outside the limits of the work or items which are within the construction limits but are intended to remain.

**PROVISIONS FOR FUTURE WORK OR WORK BY OTHERS**

The contractor shall coordinate his work and access to the site with the work and access requirements of all other contractors prior to the start of work -- especially when such work will connect to, or be connected to, other work.

**SHOP DRAWINGS**

Shop drawings are not required for temporary construction concrete barriers unless written approvals are required as specified herein.

**PART 2 – PRODUCTS**

**GENERAL**

Materials furnished shall be new or used materials intended to last for the duration of the project construction. Salvaged materials from the site may be used only when specified for such use. Salvaged and used materials may be from other project sites, the Contractor's inventory, or from rental companies provided they meet the intentions and requirements of this specification.

**TEMPORARY CONCRETE BARRIER**

Refer to the latest edition of the State of Wisconsin Standard Specifications for Highway and Structure Construction, Section 603.2 Concrete Barrier Materials.

**BARRIER DURATION**

The intended duration of the temporary concrete barrier is to be the length of the project. Sections of the barrier shall be required to be added, moved or removed as areas are completed and as required for construction phasing.

**PART 3 – EXECUTION**

**Inspection**

Prior to installation of temporary traffic control concrete barriers, examine the site conditions and the Work of Others insofar as it affects this work. Report immediately any conditions which interfere with the installation.

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

**Preparation**

Prior to concrete barrier installation, Contractor shall arrange a meeting with the DFD Construction Representative at the site to review the temporary traffic control concrete barrier.

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

**PLACEMENT**

Provide Temporary Concrete Barriers between all roadways and utility trenches / workers. Provide all temporary concrete barriers whether shown on drawings or not. Move barriers as needed to protect workers and general public throughout all phases of work. Do not block lanes of traffic to place barriers without prior permission from DFD.

**SITE WORK**

Prior to concrete barrier construction, the Contractor shall obtain from DFD, the approval of all site barriers, traffic diversions, lane closures, etc. that are in adjacent public street rights-of-way or property setback distances established by local Zoning and/or Building codes.

**CLEANUP**

After the project is completed, thoroughly remove all temporary traffic control concrete barriers and clean up all debris which may have accumulated at the construction barrier. Replace or repair as required, all surfaces and/or landscape features damaged or disturbed under this contract.

**END OF SECTION**