**SECTION 02 05 00**

###### COMMON WORK RESULTS FOR EXISTING CONDITIONS

**BASED ON DFD MASTER SPECIFICATION DATED 10/01/2012**

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.

**P A R T 1 - G E N E R A L**

**SCOPE**

This section provides information common to two or more technical site work specification sections or items that are of a general nature, and not included in other sections. This section applies to ALL site work, as applicable. Included are the following topics:

PART 1 - GENERAL

Scope

Related Work

Referenced Organizations

Referenced Documents

Quality Assurance

Safety

Permits

Construction Limits

Equipment & Materials Furnished by Others

Provisions for Future Work

Work by Others

Submittals

Off Site Storage

Codes

Certificates and Inspections

PART 2 - MATERIALS

Barricades, Signs, and Warning Devices

Temporary Plastic Barrier Fencing

PART 3 - EXECUTION

Maintenance of Site and Building Access/Egress

Continuity of Existing Traffic/Parking and Traffic Control

Protection and Continuity of Existing Utilities

Protection of Existing Work and Facilities

Stormwater/Excavation Water Management

RELATED WORK

Applicable provisions of Division 1 govern work under this Section.

00 00 00 – (Section Title)

00 00 00 – (Section Title)

**REFERENCED ORGANIZATIONS**

Applicable provisions of Division 1 shall govern all work under this section.

Abbreviations of organizations referenced in these specifications are as follows:

AASHTO American Association of State Highway and Transportation Officials

ACPA American Concrete Pipe Association

ANSI American National Standards Institute

ASCE American Society of Civil Engineers

ASME American Society of Mechanical Engineers

ASTM American Society for Testing and Materials

AWWA American Water Works Association

AWS American Welding Society

FHA Federal Highway Administration

EPA Environmental Protection Agency

NEC National Electric Code

NEMA National Electrical Manufacturers Association

NFPA National Fire Protection Association

NSF National Sanitation Foundation

OSHA Occupational Safety and Health Administration

STI Steel Tank Institute

UL Underwriters Laboratories Inc.

WDNR State of Wisconsin Department of Natural Resources

wisdot State of Wisconsin Department of Transportation

REFERENCED DOCUMENTS

Where reference is made to the "SSHSC", it shall mean the pertinent sections of the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction, current edition, and all supplemental and interim supplemental specifications. Where reference is made to the “SSSWC”, it shall mean pertinent sections of the Standard Specifications for Sewer and Water Construction in Wisconsin, current edition. Where reference is made to the “BMPH”, it shall mean the Wisconsin Construction Site Best Management Practice Handbook, current edition as published by the WDNR. Method of measurement and basis of payment sections in referenced documents shall not apply.

**QUALITY ASSURANCE**

Provide materials and products as required by individual specification sections. Refer to Section GC - General Conditions of the Contract regarding substitutions.

Provide quality assurance testing and reporting as required by individual specification sections.

## **safety**

Contractor is solely responsible for worksite safety.

Perform all work in accordance with applicable OSHA, state and local safety standards.

Contact Diggers Hotline at 1-800-242-8511 in accordance with statutory requirements. Request that non-member utilities and private utilities be located by the appropriate parties.

### permits

Unless otherwise noted in the Contract Documents, Contractor shall be responsible for obtaining and paying for all permits necessary to complete the work.

**CONSTRUCTION LIMITS**

Construction Limits are indicated on the drawings. In the absence of such a designation on the drawings, confine work to the minimum area reasonably necessary to undertake the work as determined by the DFD Construction Representative. In no case shall construction activities extend beyond state property lines or construction easements.

The Contractor shall restore all disturbed areas in accordance with the drawings and specifications. If plans and specifications do not address restoration of specific areas, these areas will be restored to pre-construction conditions as approved by the DFD Construction Representative.

**EQUIPMENT & MATERIALS FURNISHED BY OTHERS**

This article is intended to alert the Contractor that the Owner and/or other Contractors will be furnishing some equipment that will have to be received, stored, installed, and/or which will need final connections for the completed project. In some cases, it may be appropriate to refer to other sections for a more complete description of the equipment being furnished or the work involved in installation. Delete this article if contract is single prime, or if owner or third party is not providing any materials.

**PROVISIONS FOR FUTURE WORK**

***Explain what systems or subsystems have been sized for future expansion and what the Contractor must do to maintain these provisions.***

**WORK BY OTHERS**

Explain what work will be completed by the Owner and/or other contractors and what the Contractor must do to coordinate with this work.

Coordinate work under this project with work by Owner and other contractors on the site.

**SUBMITTALS**

Refer also to Section GC - General Conditions of the Contract and Division 1.

Submit manufacturer's shop drawings, product data, samples, substitutions and operation and maintenance (O&M) data for approval as required by individual specification sections.

Unless otherwise noted, provide 6 copies of each submittal. Submit to project architect/engineer (A/E) unless otherwise directed by DFD Construction Representative at the Pre-Construction Meeting.

**OFF SITE STORAGE**

Refer to Division 1.

In general, the payments for materials stored off site will only be considered in instances where there is limited space available for storage on the site. Prior approval by the DFD Construction Representative, together with the execution of a Storage Agreement will be required.

**CODES**

Comply with the requirements of all applicable, local, state and federal codes.

**CERTIFICATIONS AND INSPECTIONS**

Refer to Section GC - General Conditions.

Obtain and pay for all required sampling, testing, inspections, and certifications except those expressly listed as provided by the A/E or other third party in the Contract Documents. Deliver originals of certificates and documents to the DFD Construction Representative w/I 3 days; provide copies to the A/E. Include copies of the certifications and documents in the O&M Manual.

**P A R T 2 - M A T E R I A L S**

**BARRICADES, SIGNS, AND WARNING DEVICES**

Traffic barricades, traffic signs, and warning devices shall meet the requirements of applicable OSHA standards and the FHA Manual of Uniform Traffic Control Devices (MUTCD).

##### temporary plastic barrier fencing

Uv stabilized high-density polyethylene barrier fence free of holes tears and other defects. Provide 4’ tall fence in diamond or rectangular pattern. Fencing shall be “safety orange” color, unless otherwise noted.

Posts for temporary plastic barrier fencing shall be 5’ tall, minimum 12 gauge, painted metal posts.

**P A R T 3 - E X E C U T I O N**

### maintenance of site and building access/Egress

Assess how building access and egress will be maintained during construction. Consider ADA access, delivery and emergency vehicle access. Also consider emergency egress requirements. Discuss specific requirements.

Unless otherwise shown or directed, maintain existing access and egress to the facility throughout construction. Maintain ANSI A117 compliant access for disabled persons, delivery access, emergency vehicle access, and emergency egress. Do not interrupt access and egress without prior written approval from the DFD Construction Representative.

**CONTINUITY OF EXISTING TRAFFIC/PARKING and traffic control**

Discuss the interruption of any traffic, parking, delivery service, or utilities with the DFD Project Manager and facility representatives prior to completing the design. If work is required outside of regular work hours, this must be indicated in the specifications and/or working drawings. Add specifics regarding locations, hours, lengths of disruption, etc.

Refer also to Section GR - General Requirements.

Do not interrupt or change existing traffic, delivery, or parking without prior written approval from the DFD Construction Representative. When interruption is required, coordinate schedule with the Owner agency to minimize disruptions. When working in public right-of-way, obtain all necessary approvals and permits from applicable municipalities and WISDOT.

When Contractor’s activities impede or obstruct traffic flow, Contractor shall provide traffic control devices, signs and flaggers in accordance with other Contract Documents and the current version of the MUTCD, or as shown on the Drawings.

# **Protection and continuity of existing utilities**

Verify the locations of any water, drainage, gas, sewer, electric, drainage, gas, sewer, electric, telephone/communication, fuel, steam lines or other utilities and site features which may be encountered in any excavations or other sitework. All lines shall be properly underpinned and supported to avoid disruption of service.

Do not interrupt or change existing utilities without prior written approval from the DFD Construction Representative, affected utilities and users. Notify all users impacted by outages a minimum of 48 hours in advance of outage. Notification shall be provided in writing and describe the nature and duration of outages and provide the name and number of Contractor’s foreman or other contact.

Any service connections encountered which are to be removed shall be cut off at the limits of the excavation and capped in accordance with the requirements of applicable codes and any specifications governing such removals.

**PROTECTION OF EXISTING WORK AND FACILITIES**

Verify the locations of, and protect, any signs, paved surfaces, buildings, structures, landscaping, streetlights, utilities, and all other such facilities that may be encountered or interfered with during the progress of the work. Take measures necessary to safeguard all existing work and facilities that are outside the limits of the work or items that are within the construction limits but are intended to remain. Report any damage to existing facilities to the DFD Construction Representative immediately. Correct and pay for all damages.

#### stormwater/excavation water management

Control grading around structures, pitch ground to prevent water running into excavated areas.

Pits, trenches within building lines and other excavations shall be maintained free of water.

Provide trenching, pumping, other facilities required.

Notify Architect/Engineer if springs or running water are encountered in excavation; provide discharge by trenches, drains, pumping to point outside of excavation. Provide information to Architect/Engineer of points and areas that water will be discharged. At the Engineer's option, the Contractor shall drain the spring to the storm sewer system by the use of field tile.

Be responsible for control measures to prevent damage from flooding, erosion, and sedimentation to on-site and off-site areas.

**END OF SECTION**