

SECTION 01100 – SUMMARY OF WORK

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes the following:
 - 1. Examination of Site
 - 2. Contracts
 - 3. Work covered by the Contract Documents.
 - 4. Work by Owner and Owner's Separate Contracts
 - 5. General
 - 6. Use of premises
 - 7. Security and Implementation
 - 8. Specification formats and conventions

- B. Divisions 0 and 1 of the project manual govern work under all divisions of the specifications.

1.2 EXAMINATION OF SITE

- A. Attendance at site pre-bid meeting is mandatory for all General Contract bidders. Confirmation of attendance shall be a condition of this agreement.

1.3 CONTRACTS

- A. Single Contract: All Work under this Contract will be executed under one prime contract between the Owner and Contractor.

1.4 WORK COVERED BY CONTRACT DOCUMENTS

- A. Project Identification: **EMP 1404, ECCPC Alternative Water; Non-Potable Water System – Phase 1, Concrete Tank Rehabilitation.**
 - 1. Project Location: **East Cañon City Prison Complex (ECCPC), Evans Boulevard and Highway 50 Cañon City, CO.**

- B. Owner: **State of Colorado, for the use and benefit of the Department of Corrections.**
 - 1. Owner's Project Representative: Lee Norgaard, Department of Corrections, Facility Management Services, 2862 South Circle Drive, Colorado Springs, CO 80906

 - 2. Architect/Engineer: John McGinn, JDS-Hydro Consultants, Inc., 545 East Pikes Peak Ave., Suite 300, Colorado Springs, CO 80903

- C. The Work consists of the following:

Work in this Bid Package includes rehabilitation of the interior of a 35,000 gallon partially buried concrete tank, as described in the Drawing Set attached to the Documented Quote. A large portion of the work described in these Drawings will be self-performed by the Owner prior to interior tank rehabilitation by the Contractor (draining, surface drying, site work, penetrations, etc.), during (pit construction, piping and valve installation, and after the Contractor Work is completed. Self-performed work is described in Section 1.5.

The Contractor will be responsible for all materials and labor associated with interior rehabilitation of the 35,000 gallon concrete water tank as described in Section 09960, Coating Systems for Water Storage Tanks. Specifically, the Work shall include all material and labor required for interior surface preparation and repairs including abrasive blast, filling of cracks, voids, and resurfacing prior to application of the coating system per SSPC-SP 13/NACE No. 6, Surface Preparation of Concrete. Following adequate surface preparation, Contractor shall apply an NSF61 approved coating system to all interior surfaces as required on the Drawings and Specifications.

Contractor will be responsible for final cleaning and filling of the tank for leakage testing. Water for flushing and filling will be provided by the Owner.

The Contractor shall be responsible for meeting any and all confined space requirements and any equipment needed to meet OSHA requirements, relative to the Work.

The Contractor is responsible for removal and disposal of the existing corroded ladder in the tank, and installation of the Owner provided aluminum ladder prior to application of the coating system.

The Contractor is responsible for grouting over the existing inlet/outlet line in the floor of the tank, prior to application of the coating system.

The Contractor is responsible for disposal of any material generated from the resurfacing/repair process.

The Contractor shall be responsible for measuring the moisture level prior to application of the coating system.

1.5 WORK BY OWNER AND OWNER'S SEPARATE CONTRACTS

- A. General: Cooperate fully with Owner's work and separate contractors so that all work may be carried out smoothly, without interfering with or delaying work under this Contract. Coordinate the Work of this Contract with work performed under separate contracts.
- B. Work by Owner (self-performed):
 - 1. Installation of all tank penetrations as shown on the Drawings (roof inlet, 2" drain, 8" inlet/outlet, 4" ultrasonic access), prior to Contractor Work
 - 2. Provide and install all sitework beyond the interior tank walls, as described on the Drawings, concurrent with Contractor Work provide three (3) monitoring well permits for the required wells.

3. The Owner will provide the interior aluminum tank ladder and anchors, for Contractor installation.
 4. The Owner will not provide temporary services of any nature, aside from water supply for flushing/filling.
 5. The Owner will drain and surface dry the tank prior to start of the Contractor's Work. (Contractor shall retain responsibility for any additional drying and testing to comply with manufacturer's requirement for concrete moisture content).
- C. Concurrent Work by Owner's Separate Contract:

The Owner's Engineer shall:

1. Verify coatings and other materials are as specified through Shop Drawing Submittals.
2. Prior to Application of coating system:
 - a. Examine areas and conditions under which coating systems are to be applied.
 - b. Coordinate with Contractor/Owner regarding areas or conditions not acceptable and approach to remediate (spalling, exposed rebar or voids)
 - c. Verify that the Contractor has met the manufacturer's requirement for concrete moisture content by review of Contractor test methods and results.
3. Coordinate with Contractor to verify coating system is as specified using wet film gauge.
4. Coating Defects: Visually check coatings for film characteristics or defects that would adversely affect performance of coating systems.
5. Report:
 - a. Submit site visit reports, with sufficient digital photography, to describe inspections made and actions taken by Contractor to effect the Work and to correct nonconforming work.
 - b. Report nonconforming work not corrected.
 - c. Submit copies of report to Owner.
6. Coordinate with Contractor on tank leakage test.

1.6 GENERAL

- A. The work to be done under this Contract shall be performed in a workmanlike manner and to the satisfaction of the Architect/Engineer as shown, documented and set forth in the Contract Documents.
- B. The Intent of the Documents shall be established in conjunction with General Conditions Article 2, paragraph C. If these documents or the job conditions make it impossible to produce first class work or to warranty the work or its performance, or should discrepancies appear among the Contract Documents, request interpretation, correction or clarification prior to

bidding as set forth in the Bidding Requirements. If the Contractor fails to make such request, the work must be performed in a satisfactory manner and not request for added cost or extension of time will be considered.

- C. Should conflict occur in or between Drawings and Specifications, Contractor is deemed to have estimated on the more expensive way of doing the work unless he shall have asked for and obtained written decision before submission of Bid as to which method or materials will be required.
- D. The Contractor represents, by submission of his bid, that he fully understands the nature and extent of the work, all factors and conditions affecting or which may be affected by it and characteristics of its various parts and elements and their fitting together and functioning.

1.7 USE OF PREMISES

- A. Use of Site: Limit use of premises to work in areas indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.
 - 1. Owner Occupancy: Allow for Owner occupancy of Project site, as required, but Contractor shall have priority access for well drilling, completion, and testing when necessary.
 - 2. Driveways and Entrances: Keep driveways, parking areas, fire lanes and entrances serving premises clear and available to Owner, Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials.
 - a. Schedule deliveries from 7:00 AM to 4:00 PM, MDT, Monday through Friday
 - b. Coordinate access to the Project site consistent with the requirements of Division 01103, "Detention Project Procedures" and the requirements identified at the mandatory pre-bid conference.
 - c. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.

1.8 SECURITY AND IMPLEMENTATION

- A. See Division 01103, "Detention Project Procedures" for general security requirements, is included for General Informational Purposes Only, with the exception of the identification of contraband and the required Consent to Search form. Work specific security procedures are discussed at the Pre-Bid Conference and documented by addendum to the Bid Documents prior to Bid.
- B. The Construction Schedule, required under Article 12 of the General Conditions, shall be submitted with the bid proposal. Site Mobilization shall not be initiated until authorization to commence with construction by the Project Representative.
- B. Contractor has conducted a site inspection, had the opportunity to ask questions and seek clarification prior to submittal of Contractor's bid proposal.
- C. All on-site activities shall be coordinated through the Project Representative relative to facility security staff and escorts deemed necessary by the Project Representative to maintain interim construction phase Owner staffing requirements. The Construction Schedule shall include

schedule durations of interim construction phase staffing, accepted by the Project Representative.

1.9 SPECIFICATION FORMAT AND CONVENTIONS

- A. Specification Format: The Specifications are organized into Divisions and Sections using the CSI/CSC's "MasterFormat" numbering system.
 - 1. Division 1: Sections in Division 1 govern the execution of the Work of all Sections in the Specifications.
- B. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:
 - 1. Abbreviated Language: Language used in the Specifications and other Contract Documents is abbreviated. Words and meanings shall be interpreted as appropriate. Words implied, but not stated, shall be inferred as the sense requires. Singular words shall be interpreted as plural, and plural words shall be interpreted as singular where applicable as the context of the Contract Documents indicates.
 - 2. Imperative mood and streamlined language are generally used in the Specifications. Requirements expressed in the imperative mood are to be performed by Contractor. Occasionally, the indicative or subjunctive mood may be used in the Section Text for clarity to describe responsibilities that must be fulfilled indirectly by Contractor or by others when so noted.
 - a. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01100