

**SECTION 35 00 00****COMMERCIAL DIVER SPECIFICATIONS****PART 1. GENERAL**

## 1.01 SUMMARY

- A. If work is required underwater, the Contractor shall obtain the services of licensed and insured commercial divers to perform the work of this project in accordance with OSHA 29 CFR Part 1910 Commercial Diving Operations.
- B. This work will require a minimum (3) three-member dive team (supply additional divers and tenders if required by OSHA). Each dive team shall have a designated Dive Person in Charge (DPIC) and that person has responsibilities for planning, equipment and procedures detailed in OSHA 29 CFR 1910 Subpart T.

## 1.02 SUBMITTALS

- A. Once Construction Diver Operations are approved by the ENGINEER the CONTRACTOR shall provide the following:
  - 1. An evaluation plan that states in reasonable detail the Contractor's intended method to employ the Construction Diver activities.
  - 2. A Detailed Dive Plan, which includes but is not limited to the following:
    - a. Date of Dive Plan Submission and specific project sites where Construction Diver activities will be conducted
    - b. Date(s), time(s), duration, and location of operation.
    - c. Description of diving and communication equipment.
    - d. A detailed description of the dive environment including but not limited to:
      - 1) Type of water (e.g. potable water, raw sewage, treated sewage effluent, excavation pit/trench water.).
      - 2) Characteristics of water (e.g. currents, tides, visibility, temperature, presence of debris, type of debris etc.)
      - 3) Access, entry/exit points, approximate depth and dimensions of dive area.
      - 4) Confinement conditions.
  - 3. The intended method of accomplishing the required underwater work, including but not limited to:
    - a. The number of persons who will be deployed at the dive site, the type of equipment, and tools to be utilized.
    - b. Name, contract information, and detailed experience summary of the dive project manager or diving supervisor preparing the dive plan.
    - c. Names and duties of on-site dive team members, including diving supervisor. Detailed certification, experience, and training summary for all dive team members.

- d. Detailed description of the diving task; identify how/if work will be divided into separate tasks or phases of work, exposures to depth, time at depth, and surface recovery intervals.
  - e. Maximum single dive bottom time for the planned depth of dive for each diver.
  - f. Safety and recovery procedures for injured/ unconscious diver retrieval.
  - g. Nature of work to be performed by the divers, including tools used and materials to be handled or installed.
- B. The CONTRACTOR shall provide the following documents to support the Dive Plan:
- 1. Proof of diver training in accordance with OSHA 29 CFR 1910.410 Qualifications of Dive Team.
  - 2. Proof of current first aid/CPR training for each dive team member.
  - 3. Copies of annual medical examination determining diver is fit to perform assigned tasks for each team member.
  - 4. Breathing air purity test results for breathing air source(s) – tested every 6 months.
  - 5. Breathing gas supply hose testing documentation – tested at least annually to 1.5 times their working pressure.
  - 6. Depth gauge testing documentation – calibrated every 6 months.
  - 7. An updated certificate of insurance.
  - 8. The Contractor is required to make available to the Department and provide upon request all dive records, diving logbook, diving equipment, safety equipment, two-way voice communication system or any other appurtenant item required for the diving operation.

### 1.03 EXPERIENCE

- A. The Construction Dive Contractor must have 3 consecutive years of experience, immediately prior to the commencement of this project, in substantially similar construction work required under the specifications. The ENGINEER will be the sole arbiter in determining the relevance, suitability, and acceptability of the Construction Dive Contractor to perform the work.

### 1.04 RESPONSIBILITY

- A. The Contractor shall be responsible for all phases of the diving operation and conduct the operation in a manner that complies with all OSHA safety requirements to the satisfaction of the Engineer. The Contractor is solely responsible for safety and proper execution of underwater construction activities. Underwater work found not to be in compliance with OSHA 29 CFR Part 1910, Subpart T or the Trench Safety Act will be stopped.

### 1.05 TRAINING

- A. Diver and tender diver shall be fully trained in the use and inspection of all diving equipment.

## **PART 2. PRODUCT (Not Used)**

**PART 3. EXECUTION**

3.01 DIVING OPERATIONS

- A. All diving operations shall be performed in accordance with OSHA 29 CFR 1910 Subpart T – Commercial Diving Operations.

**END OF SECTION**