

SECTION 01500  
TEMPORARY FACILITIES, EQUIPMENT, and SERVICES

PART 1 GENERAL

1.1 GENERAL REQUIREMENTS. As soon as practicable, but not later than 15 days after the date established for commencement of work, the Contractor shall provide the temporary facilities, equipment, and services specified herein. The temporary facilities and equipment shall remain the property of the contractor and shall be maintained by the Contractor during the life of the contract and upon completion and acceptance of the work shall be removed from the site of the work.

1.1.1 Payment. No separate payment will be made for temporary field office facilities provided by the contractor. All costs in connection with furnishing the temporary field office facilities shall be included in other items for which payment is provided. Payment for all other equipment and services required by this contract shall be paid for at the contract lump sum item for "Load Test Support Activities".

1.2 APPLICABLE PUBLICATIONS. The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

1.2.1 Engineering Manuals (EM).

EM 385-1-1 U.S. Army Corps of Engineers Safety and Health Requirements Manual. (3 November 2003 version)

1.2.2 Engineering Pamphlets (EP).

EP 310-1-6A U.S. Army Corps of Engineers Sign Standards Manual, VOL 1, CH 1

PART 2 PRODUCTS

2.1 TEMPORARY FACILITIES, EQUIPMENT, and SERVICES. The contractor shall supply the following facilities, equipment, and services for use by the Government and its instrumentation AE.

2.1.1 Temporary Field Office Features. The contractor shall provide a temporary field office trailer. The temporary field office trailer shall be a standard trailer approximately 12 feet wide by 36 feet long and have a minimum of 7 feet in headroom. It shall be equipped with approved electrical wiring, at least one double convenience outlet and the required switches and fuses to provide 110-120 volt power. The trailer shall be waterproof, be supplied with heat in season, have a minimum of two doors, electric lights, a battery operated smoke detector alarm, a sufficient number of adjustable windows for adequate light and ventilation. Sanitary facilities shall be furnished in accordance with Section 02.B of EM 385-1-1. The windows and doors shall be screened and the doors provided with dead bolt type locking devices or a padlock and heavy duty hasp bolted to the door. Door hinge pins shall be non-removable. The windows shall be arranged to open and to be securely fastened from the inside. Glass panels in windows shall be protected by bars or heavy mesh screens to prevent easy access to the trailer through these panels. In

warm weather, air conditioning capable of maintaining the office at 50 percent relative humidity and a room temperature 20 degrees below the outside temperature when the outside temperature is 95 degrees Fahrenheit, shall be furnished.

2.1.2 Equipment To Be Provided. The contractor shall provide the following equipment in the temporary field office trailer. The trailer shall be provided with two desks with chairs, five additional chairs, a drafting table, two standard office tables, two additional chairs, and one legal size file cabinet capable of being locked. An adequate supply of approved, cool, drinking water shall be provided. The trailer shall be equipped with a refrigerator having minimum capacity of 12 cubic feet, and a microwave oven having a minimum capacity of 1.5 cubic feet and 750 watts minimum power. The trailer shall also be equipped with a copier, a FAX machine with separate dedicated telephone line, an answering machine, and two cordless telephones with a common telephone line. The Contractor will be responsible for the cost of monthly telephone service, FAX line service and the average cost of long distance telephone calls up to \$200.00 per month. A DSL line is required.

2.1.3 Field Storage Container. The contractor shall provide a field storage container. The field storage container shall be a steel cargo container approximately 12 feet wide by 15 feet long and have a minimum of 7 feet in headroom. The container shall be waterproof with a minimum of two doors. The doors shall be provided with dead bolt type locking devices or a padlock and heavy duty hasp bolted to the door. Door hinge pins shall be non-removable.

2.1.4 Portable Power Generators and Lighting Systems. The contractor shall provide three portable, trailer mounted, gasoline or diesel powered generator/lighting-systems. Each system shall be capable of outputting 6000 watts on a continuous basis at 120 and 240 volts to a minimum of 4 receptacles. Each system shall contain at least 4 separate light fixtures with each fixture containing a minimum 1000 watt bulb. Each lighting system (all 4 fixtures) shall provide a total of 440,000 lumens. The lights shall be mounted on top of a telescopic pole that can be extended to a maximum height of 32-feet. Each light fixture shall be independently adjustable in order to aim the light where needed. These lights are for the governments use and shall be placed on the protected side of the I-wall at the location shown by the contracting officer's representative, although one will be dedicated to the field office. The contractor shall provide fuel and maintenance service as necessary to each generator/lighting-system to ensure their continuous operation during the length of the test.

2.1.5 Portable Pumps. The contractor shall provide the following pumps for use in filling the cofferdam. Three (3) 500-gpm, portable pumps with engines capable of pumping this flow rate against 15-feet of head. One (1) 125-gpm, portable pump with engines capable of pumping this flow rate against 15-feet of head. These will be used to pump water from the canal into the interior of the sheet pile cofferdam. The third 500-gpm pump will be considered as a spare. The 125-gpm pump will be used to make small adjustments in the cofferdam water level during the hold periods. At least one of the 500-gpm pumps shall be provided with a mechanism to throttle back, reduce, or otherwise control the flow from that pump. The contractor shall provide fuel and maintenance service as necessary to each pump to ensure their continuous operation during the entire time of the test. These pumps shall discharge into the cofferdam at the interior corners that are protected with riprap. The contractor is notified that these portable pumps are not part of the emergency pumping system specified in section 01100, paragraph 1.36.

2.1.6 Security Provisions. Adequate outside security lighting shall be provided. The Contractor shall be responsible for the security of its own equipment. In addition, the Contractor shall hire private security forces to be continuously on-site at the field office between the hours of 6:00pm and 6:00am for the duration of the load test and while the instrumentation AE is on-site with specialized equipment. The contractor shall notify the appropriate law enforcement agency and request them to make periodic security checks of the jobsite for the same duration.

2.1.7 Staff Gages. The contractor shall provide and install a staff gage as shown on the drawings to allow visual determination of the water surface elevation inside of the cofferdam.

2.1.8 Miscellaneous Equipment. The contractor shall provide the additional following miscellaneous equipment:

(1) At least 12 flashlights powered by 2 D-Cell batteries and spare batteries.

(2) Two ladders tall enough to allow a person access to the top of the wall from the protected side. The ladders shall conform to the requirements of EM 385-1-1.

2.2 TEMPORARY PROJECT SAFETY FENCING. The Contractor shall furnish and erect temporary project safety fencing as required by the Safety and Health Requirements Manual EM 385-1-1. The safety fencing shall be a high visibility orange color, HDPE open-weave pattern, a minimum of 42 inches high, supported and tightly secured to steel posts located on maximum 10 foot centers, constructed at the approved location. If required by the Safety Manual, fencing shall meet EPA's recommended recovered materials content levels of 60-100% for Postconsumer Content and 90-100% Total Recovered Materials Content. The fencing shall surround the I-wall, the protected side earthen levee, the 6-foot wide strip of land adjoining the levee toe, and the property at 5772 Warrington Drive.

### PART 3 EXECUTION

3.1 GENERAL. All equipment defined above shall be on-site within two weeks after the contractor has been issued notice to proceed. The equipment shall remain on-site for the governments and the governments AE's use for the entire duration of this contract.

3.2 CLEANUP. Construction debris, waste materials, packaging material and the like shall be removed from the work site daily. Any dirt or mud which is tracked onto paved or surfaced roadways shall be cleaned away as directed by the Contracting Officers Representative or designated Government Representative(s).

3.3 RESTORATION OF STORAGE AREA. Upon completion of the project, areas used by the Contractor for the storage of equipment or material, or other use, shall be restored to the original or better condition.