

SECTION 015200

TEMPORARY FACILITIES, UTILITIES, ACCESS AND CONSTRUCTION AIDS

PART 1 GENERAL

- 1.1 **CONTRACTOR'S OFFICE:** The Contractor shall provide office(s) for their own use and sufficient space for progress meetings. Trailer(s) are to be located within the construction site and coordinated through the pre-construction submittal process on the Construction Phasing and Staging Plan (CPSP). The Contractor is responsible for setting up Contractor provided trailer with all required utilities and connections, permits, modification to trailer for pump and haul needs, footing/foundation as required and maintain the trailer while in use on project. Provide access stairs, ramps etc. to the trailer as required to meet code. Remove all trailers from the jobsite upon the completion of work. A trailer permit is required for each unit, see Section 011100.01. A conference room needs to be large enough to hold progress meetings for up to 12 people (at least 240 square feet). Provide adequate parking adjacent to the conference room, a minimum of six (6) parking spaces. County's Trailer shall be delivered, furnished, connected to power and internet service, and ready for use within 30 calendar days from Notice to Proceed.
 - 1.1.1 The Contractor may provide and maintain storage sheds, other temporary buildings or trailers within the Limits of Disturbance, installation and placement of sheds and trailers shall be approved by the County Construction Manager; a trailer permit may be required for each unit, see Section 011100.01. Remove from the jobsite upon the completion of work, or as directed.
- 1.2 **COUNTY'S OFFICE:** The Contractor must provide a separate office facility for the County's sole use with two offices (at least 120 square feet each), and a bathroom. Each office shall be set up for 2 occupants. . The space must be lockable and equipped with power, air conditioning, heat, indoor toilet facility, and internet service. Contractor to provide equipment including office furniture, conference room furniture, copier/scanner/printer, one dry chemical or multi-purpose ABC type fire extinguisher (at least 10 lbs.), smoke detector, and an OSHA approved first aid kit. The Contractor shall be responsible for routine trailer cleaning, housekeeping, routine supplies, and maintenance. Provide adequate parking adjacent to the offices, a minimum of four (4) parking spaces. Remove all trailers from the jobsite upon the completion of work.
- 1.3 **TEMPORARY ELECTRICAL POWER:** The Contractor shall furnish and install temporary electrical facilities, including lamps, for construction and safety operations. All temporary facilities shall remain the property of the Contractor, and be removed after permanent connections have been completed. Electrical wiring, conduit or equipment which are part of the permanent electrical systems, shall not be used for temporary electrical facilities, unless specifically approved by the Owner.
 - 1.3.1 Install temporary and permanent electrical power in accordance with National Electric Code (NEC). Provide appropriate disconnects and meters. Coordinate work with the local authorities.

- 1.3.2 The Contractor shall be responsible for any damage or injury to equipment, materials, or personnel caused by temporary electrical installation. Costs for materials and installation of temporary electrical facilities shall be at the Contractor's expense.
- 1.3.3 The Contractor shall arrange and pay for energy consumed in providing electrical facilities, including County trailer, until the project is fully accepted by the County.
- 1.4 TEMPORARY WATER: The Contractor shall make all arrangements to install and pay for all temporary equipment, piping, water meters and outlets for an adequate supply of clean water for construction purposes until date of substantial completion. Point of tie-in, meter(s) and hose bibs shall be indicated on the site utilization plan. Contractor shall furnish drinking water for all Contractor and Owner personnel.
- 1.5 TEMPORARY HEAT: The Contractor, at his expense, shall furnish, install and maintain temporary heat and enclosures during contract activities and shall provide heat and enclosures to maintain satisfactory working conditions for all trades.
 - 1.5.1 Provide heat, enclosures, fuel and services to protect all work and materials against injury from dampness, cold and exhaust generated by temporary heat until final acceptance of all work and materials in the contract unless building is occupied by the County prior to such acceptance.
 - 1.5.2 Use of open salamanders and other temporary heating devices which cause smoke damage will not be permitted.
- 1.6 TEMPORARY WATER SERVICES: The Contractor shall furnish and install temporary water service and distribution piping in sizes and pressures adequate for construction.
- 1.7 SANITATION: Sanitation facilities are not available from the County. Construct and maintain approved sanitary conveniences for the use by persons employed on the jobsite. The County Construction Manager will coordinate and approve location and installation. The conveniences shall be maintained in a clean, sanitary condition without nuisance, and their mandatory use shall be strictly enforced. Upon completion of the work, remove from the premises.
- 1.8 ACCES ROADS: The Contractor shall provide and maintain temporary access to the project site and all adjacent neighbors and will accomplish this per methods as approved by the AE and the County so as not to interfere with work of others. See also Section 011100.
 - 1.8.1 All vehicles bringing or removing earth, loose materials or debris shall be loaded in a manner to prevent from dropping materials on roads and streets.
 - 1.8.2 At all points, where vehicles leave the project site and enter adjacent paved streets, the Contractor shall maintain an installation and crew to prevent any mud from being carried onto such adjacent paved streets.

- 1.9 DUST, DIRT AND MUD CONTROL: The Contractor shall take whatever steps necessary to ensure that mud is not tracked onto the streets and to allay any and all dust at all times during the construction period.
- 1.9.1 Contractor is responsible for cleaning up all debris, materials, etc., that fall from vehicles enroute to or from the site. No debris is allowed to fall on existing public road pavement.
- 1.9.2 Earth, loose material or debris deposited on the streets due to Contract activities shall be removed immediately.
- 1.10 PARKING: Construction personnel shall not at any time park on any private property without the proper expressed consent of the property owner. Contractor shall be restricted to parking on-site within the Limits of Disturbance or in areas approved as parking by the County and allowed by VDOT or the adjoining property owner.
- 1.10.1 Any Contractor personnel violating this stipulation, do so at their own risk, and should be aware that their vehicles may be towed at offender's expense.
- 1.11 TRAFFIC CONTROL: Any traffic control deemed necessary to affect smooth traffic flow shall be provided by Contractor when so directed by the Owner.
- 1.12 CONSTRUCTION ELEVATORS AND HOISTS: Contractors shall provide cranes, hoists, towers and other lifting devices for proper and efficient movement of materials and shall provide operating personnel for the equipment. Equipment shall be provided with guys, bracing, other safety devices in accordance with the local or State codes.
- 1.13 SCAFFOLDING AND PLATFORMS: Provide, erect, maintain, remove when directed, all scaffolding, staging, platforms, temporary runways, temporary flooring, guards, railings, stairs, etc., as required by local agencies having jurisdiction for protection of workmen and public. Construction inspection and maintenance of these items shall comply with all safety codes and regulations as applicable to project.
- 1.14 TEMPORARY FENCES AND BARRICADES: The Contractor shall furnish, install and maintain in a sound condition all necessary temporary fences, barricades, trench and hole covers, warning lights and all other safety devices necessary to prevent injury to persons and damage to property. Temporary fencing within limits of disturbance is required; the Contractor shall coordinate with County Construction Manager on locations and extents. Complete separation of the construction site from the adjacent occupied facility including designated Staff / Public parking areas, through all Phases of construction, shall be the responsibility of the Contractor.
- 1.14.1 The Contractor shall furnish, install and maintain all temporary barricades at the excavation of the building and openings through roof deck.
- 1.15 TEMPORARY PUMPING: The Contractor shall provide all temporary pumping required to complete the work.

- 1.16 TEMPORARY ENCLOSURES: The Contractor shall furnish and install temporary enclosures, doors and transparent plastic windows required to protect buildings from damage due to vandalism, or the elements, or to maintain suitable temperature during installation or finishing work.
- 1.17 TEMPORARY BROADBAND INTERNET SERVICES: The Contractor shall arrange for and provide broadband internet services for the use of the Contractor, the County, the AE and authorized representatives of the County for the contract period. The Contractor shall pay for all costs of installation and all service. A dedicated broadband internet service connection is required for the County's sole use in the County trailer.
- 1.18 TEMPORARY PROJECT SIGNAGE: Project signs as indicated. Unauthorized signs are not permitted.
- A. Identification Sign: Provide project identification sign as indicated in the end of this section.
 - B. Temporary Signs: Provide other signs as indicated to inform public individuals seeking entrance to project; provide temporary, directional signs for construction personnel and visitors.
 - C. Maintain and touch-up signs so they are legible at all times.
- 1.19 TEMPORARY ACCESS: Provide temporary pedestrian and vehicular access to all construction activity effected onsite or offsite neighbors in construction with any road work and utility work throughout construction phase. Provide temporary signs, detours and safety signs as required. Provide schedule/plan of action minimum 2 weeks prior of any road work and/or utility installation to Owner for review and approval. Comply with requirements of authorities having jurisdiction.
- 1.20 WASTE DISPOSAL FACILITIES: Provide waste collection containers in sizes adequate to handle waste from construction operations. Comply with requirements of authorities having jurisdiction. Comply with cleaning requirements in Section 014100 "Coordination, Field Engineering, and Regulatory Requirements."

END OF SECTION 015200