SECTION 015000 - TEMPORARY CONSTRUCTION FACILITIES

PART 1 - GENERAL

1.1 SUMMARY
The Contractor shall provide the labor, materials, equipment, and services necessary for all required temporary facilities. They shall be maintained in a proper, safe operating and sanitary condition for the duration of the Contract. Upon completion of the Contract, remove all temporary facilities from the premises and restore existing facilities to original or better condition.

1.2 REFERENCES

1.3 SUBMITTALS
A. Construction site plan (also called a Logistics Plan)
B. Traffic control plan
C. SWPPP permit
D. County Dust Control Permit

1.4 CONSTRUCTION SITE PLAN
Prior to starting work, submit for approval by SRP PM a site plan showing the locations and dimensions of temporary facilities (including layouts and details, equipment and material storage area, access and haul routes, avenues of ingress/egress to the fenced area and details of the fence installation, refueling area, locations for employee parking and parking of company vehicles). Identify any areas to be graveled to prevent the tracking of mud. Indicate if the use of a supplemental or other staging area is desired. Show locations of safety and construction fences, site trailers, construction entrances, trash dumpsters, temporary sanitary facilities, and worker parking areas.

PART 2 - PRODUCTS

2.1 TEMPORARY SIGNAGE
A. Bulletin Board:
   Immediately upon beginning of work, provide a weatherproof bulletin board not less than 36 by 48 inches in size for displaying the Equal Employment Opportunity poster, a copy of the wage decision contained in the contract, Wage Rate Information poster, and other information approved by the SRP PM. Locate the bulletin board at the project site in a conspicuous place approved by the SRP PM and easily accessible to all construction employees.

B. Project and Safety Signs:
   Create and display safety signs that indicate the boundary of the construction limits and the minimum required Personal Protective Equipment. These must be displayed at every man or vehicle entrance to the construction area. Project signs (when required by the SRP PM) must have a white background, display the GC and SRP logos, list the GC’s PM and Superintendent, the SRP PM and phone numbers for all.

2.2 TEMPORARY TRAFFIC CONTROL
A. Maintenance of Traffic:
   a. Conduct operations in a manner that will not close any thoroughfare or interfere in any way except with written permission of the SRP PM. Provide a Traffic Control Plan detailing the proposed controls to traffic movement for approval. The plan must be in accordance with
State and local regulations. The traffic control plan should indicate the route Emergency Vehicles should take to reach the worksite. The traffic control plan must be provided to the Security Guards at each guard station, when applicable.

b. Conduct work so as to minimize obstruction of traffic, and maintain traffic on at least half of the roadway width at all times. Obtain approval from the SRP PM prior to starting any activity that will obstruct traffic.

c. Provide, erect, and maintain, at contractors expense, lights, barriers, signals, passageways, overhead protection, detours, and other items, that may be required by the Life Safety authority having jurisdiction.

d. Minimize the interference with public traffic on roads selected for hauling material to and from the site. Investigate the adequacy of existing roads and their allowable load limit. Contractor is responsible for the repair of any damage to roads caused by construction operations.

B. Dust Control:

Dust Control must comply with latest State and County regulations when construction begins. It is the responsibility of the Contractor to secure all dust control permits.

C. Haul Roads: (when required)

The Contractor is responsible to maintain the serviceability and condition of any roads used by the Contractor in performing the work. The Contractor shall provide SRP workers and crews access via the existing roads or by constructing suitable detours. SRP shall be responsible for removing obstructions or repairing damage caused by SRP use. The Contractor may at their own expense construct access and haul roads necessary for proper prosecution of the work under this contract while providing necessary lighting, signs, barricades, and distinctive markings for the safe movement of traffic. Location, grade, width, and alignment of construction and hauling roads require approval by the SRP PM.

D. Barricades:

Erect and maintain temporary barricades to limit public access to hazardous areas. Whenever safe public access to paved areas such as roads, parking areas or sidewalks is prevented by construction activities or as otherwise necessary to ensure the safety of both pedestrian and vehicular traffic barricades will be required. Securely place barricades clearly visible with adequate illumination to provide sufficient visual warning of the hazard during both day and night. Use and locations must be confirmed by SRP PM and shown on Construction Site Plan prior to installation.

2.3 TEMPORARY WIRING

Provide temporary wiring in accordance with NFPA 241 and NFPA 70, Article 305-6(b), Assured Equipment Grounding Conductor Program. Include frequent inspection of all equipment and apparatus

2.4 TEMPORARY WALLS & FENCES

A. Temporary noise & dust wall:

Areas to be occupied during construction hours that are adjacent to construction areas require a temporary noise & dust wall. Occupied areas shall be separated from construction areas by walls designed to reduce dust, noise, and obscure visibility. SRP’s standard is to use metals studs, with one side sheet rocked and insulted with batt insulation. This standard may be waived or modified by the SRP PM in writing. The temporary walls should be constructed for quick removal and reuse if the project has phases. Visqueen with insulation is not a satisfactory temporary wall.
B. Temporary dust partition
Where construction will occur after normal work hours and adjacent areas will be unoccupied, a temporary partition will suffice. A Visqueen barrier properly hung and sealed will be satisfactory.

C. Outside Fencing
Enclose the project work area and Contractor lay-down area with an 8 ft high temporary chain link fence and gates. Intent is to prevent access to the work area. Remove the fence upon completion and acceptance of the work. Where necessary to block public view of the construction, add screen/mesh material.

PART 3 - EXECUTION

3.1 EMPLOYEE PARKING
Contractor employees will park privately owned vehicles in an area designated by the SRP PM. This area will be within reasonable walking distance of the construction site. Contractor employee parking must not interfere with existing and established parking requirements of the SRP facility.

3.2 AVAILABILITY AND USE OF UTILITY SERVICES
A. Temporary Utilities
Where available, SRP shall provide water and electricity at no charge to the Contractor. Contractor shall provide other temporary utilities required for construction. Materials may be new or used, must be adequate for the required usage, in compliance with applicable building codes and standards, and safe for use.

B. Electricity
Provide connections, sized to provide service required for power and lighting. Locate feeder and branch wiring with area distribution boxes so that power is available throughout the project site by use of power cords. Provide transformers as required. Provide temporary lighting as required for safe and secure operations.

C. Water
Make connections to existing facilities to provide water for construction purposes. Coordinate with SRP PM for temporary backflow prevention device. Contractor is responsible to provide work force with adequate potable water and ice. If applicable, contractor is responsible for labeling of all temporary non-potable water sources.

D. Sanitation
a. All SRP office facilities to include cafeterias, toilets, telephones, etc are off limits unless specifically authorized by the SRP PM.

b. Provide and maintain within the construction area Porta-Potty style facilities approved by the SRP PM. Periodically empty wastes into a municipal, district, or station sanitary sewage system, or remove waste to a commercial facility. Maintain these conveniences at all times without nuisance.

E. Telephone and Internet Service
Utilize Contractor provided cell phones for all telephone requirements. SRP may provide telephone and broadband internet service at no charge for longer duration projects. Contact the SRP PM to request this service. All hardware and software provided by SRP remains the property of SRP and must be returned prior to the release of retention.
F. Fire Protection

Provide temporary fire protection equipment for the protection of personnel and property during construction. Coordinate requirements for equipment with the SRP PM. Remove debris and un-used or excess flammable materials from the construction site daily to minimize potential hazards.

3.3 CONTRACTOR’S TEMPORARY OFFICE OR STORAGE FACILITIES

A. Trailers or Mobile Storage Units

Office or storage trailers/units will be permitted, where space is available, subject to the approval of the SRP PM. The trailers/units shall be in good condition, free from visible damage rust and deterioration, and meet all applicable safety requirements. A sign not smaller than 24 by 24 inches shall be conspicuously placed on the trailer depicting the Contractor’s name, business phone number, and emergency phone number. Trailers shall be anchored to resist high winds and meet applicable local standards for anchoring.

B. Outside Storage

Request this type of storage through the SRP PM. The storage area will be secured by the Contractor using a temporary chain link fence.

C. Storage in Existing Buildings

Storage of material may be allowed inside the buildings. Request this type of storage through the SRP PM. A security fence with a lockable gate may be required around the storage area. Remove at the completion of work.

3.4 PROJECT SAFETY FENCING

As soon as practicable, furnish and erect temporary project safety fencing at the work site. The safety fencing must be a high visibility orange colored, high density polyethylene grid or approved equal, a minimum of 42 inches high, supported and tightly secured to steel posts located on maximum 10 foot centers, constructed at the approved location. Maintain the safety fencing during the life of the contract and, upon completion and acceptance of the work, will become the property of the Contractor and be removed from the work site.

3.5 CLEANUP

A. SRP will furnish (at SRP expense) roll-off 20 or 40 yd dumpsters. Place construction debris, waste materials, packaging material and the like into the dumpsters daily.

B. Any dirt or mud tracked onto paved or surfaced roadways must be removed. In no instances will any debris or trash be buried, covered, or left on SRP property.

3.6 RESTORATION OF STORAGE AREA

Upon completion of the project remove the bulletin board, signs, barricades, haul roads, and any other temporary products from the site. After removal of trailers, materials, and equipment from within the fenced area, remove all temporary fences. Restore to the original or better condition, areas used by the Contractor for the storage of equipment or material, or other use. Gravel used to traverse grassed areas must be removed and the area restored to its original condition, including landscaping vegetation and features.

END OF SECTION 015000