

SECTION 01 56 36 - TEMPORARY SECURITY ENCLOSURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Construction Drawings, Technical Specifications, Addenda, and general provisions of the Contract, including Contract General Conditions and Supplementary General Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Temporary construction barriers, enclosures and passageways.
 - 1. Security barriers.
 - 2. Temporary chain link fencing.
- B. Protection of completed Work.
- C. Removal of construction facilities and temporary controls.

1.3 CODES AND REGULATIONS

- A. Fire Regulations: Comply with requirements of fire authorities having jurisdiction.
- B. Safety Regulations: Comply with requirements of all applicable Federal, State and local safety rules and regulations. Contractor shall be solely responsible for jobsite safety.
- C. Contractor shall provide substantial barriers, guard rails, and enclosures around Work areas and adjacent to embankments and excavations for the protection of workers and public. Contractor shall adhere to all governing standards & codes including, but not limited, to the following:
 - 1. 29 CFR 1910.144, Safety Color Code for Marking Physical Hazards
 - 2. 29 CFR 1910.145, Specifications for Accident Prevention Signs and Tags
 - 3. 29 CFR 1926, Safety Standards for Signs, Signals, and Barricades
 - 3. ANSI Z535.1, Safety Color Code
 - 4. ANSI Z535.2, Environmental and Facility Safety Signs
 - 5. ANSI Z535.3, Criteria for Safety Symbols
 - 6. ANSI Z535.4, Product Safety Signs and Labels
 - 7. ANSI Z535.5, Safety Tags and Barricade Tapes (Temporary Hazards)
 - 8. Louisiana Manual on Uniform Traffic Control Devices

1.4 PROTECTION OF EXISTING CONDITIONS

- A. Protection of Adjacent Facilities: Contractor shall restrict Work to limits indicated on the Drawings and as specified in Section 01 10 00 - Summary of Work: Protect existing,

adjacent facilities and trees from damage, including soiling and debris accumulation.

1.5 MAINTENANCE OF CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

- A. Maintenance: Use all means necessary to maintain temporary barriers and enclosures in proper and safe condition throughout progress of the Work.
- B. Replacement: In the event of loss or damage, promptly restore temporary barriers and enclosures by repair or replacement at no change in the Contract Sum or Contract Time.

1.6 TEMPORARY BARRIERS AND ENCLOSURES

- A. Temporary Barriers, General: Provide temporary fencing, barriers and guardrails as necessary to provide for public safety, to prevent unauthorized entry to construction areas and to protect existing facilities and adjacent properties from damage from construction operations.
 - 1. Note requirements for continued occupancy and use of existing buildings and site areas during construction.
 - 2. Comply with applicable requirements of Louisiana Building Code and industrial safety regulations. Review requirements with Designer and Owner.
 - 3. Maintain unobstructed access to fire extinguishers, fire hydrants, temporary fire-protection facilities, stairways, and other access routes for firefighting.
 - 4. Paint temporary barriers and enclosures with appropriate colors, graphics, and warning signs to inform personnel and public of possible hazard.
 - 5. Where appropriate and necessary, provide warning lighting, including flashing red or amber lights.
- B. Temporary Chain-Link Fencing: Provide temporary portable chain-link fencing.
 - 1. Portable Chain-Link Fencing: Minimum 2-inches, 9-gauge, galvanized steel or aluminum, chain-link fabric fencing; minimum 6-feet high with galvanized steel pipe posts; minimum 2-3/8-inches- OD line posts and 2-7/8-inches-OD corner and pull posts, with 1-5/8-inches-OD top and bottom rails.
 - a. Provide concrete or galvanized steel bases for supporting posts. Barriers shall be surface mounted and not require burial.
 - b. Provide protective barriers at bases to prevent tripping by pedestrians.
- C. Temporary Partitions: Erect and maintain temporary partitions and temporary closures to limit dust and dirt migration, including migration into existing facilities, to separate areas from fumes and noise and to maintain fire-rated separations.
- D. Landscape Barriers: Provide barriers around trees and plants designated to remain. Coordinate with requirements specified in Section 01 56 39 – Temporary Tree and Plant Protection.
 - 1. Locate barriers as directed outside of drip lines of trees and plants.
 - 2. Protect entire area under trees against vehicular traffic, stored materials, dumping, chemically injurious materials, and puddling or continuous running water.
 - 3. Contractor shall pay all costs to restore trees and plants within barriers that are damaged by construction activities. Restoration shall include replacement with plant materials of

equal quality and size. Costs shall include all fines, if any, levied by authorities having jurisdiction.

- E. Barricades, Warning Signs and Lights, General: Comply with standards and code requirements for erection of structurally adequate barricades. Paint barricades with appropriate colors, graphics and warning signs to inform personnel and the public when protecting them against a hazard. Where appropriate and needed provide lighting, including flashing red or amber lights.
- F. Security Closures and Lockup: Provide substantial temporary closures of openings in exterior surfaces and interior areas as appropriate to prevent unauthorized entrance, vandalism, theft and similar violations of security. Provide doors with self-closing hardware and locks.
 - 1. Storage: Where materials and equipment must be stored provide a secure lockup. Enforce discipline in connection with the installation and release of material.
 - 2. Storage containment area shall be constructed with a minimum 10 foot tall chain link fence and pad-locked gate(s). The chain link fence shall be secured to the ground and have razor wire at the top. See Section 323213.53 High-Security Chain Link Fences and Gates.
- G. Temporary Access, Passage and Exit Ways: Construct temporary stairs, ramps, and covered walkways, with related doors, gates, closures, guardrails, handrails, lighting and protective devices, to maintain access and exit ways to existing facilities to remain operational.
 - 1. The design and location of temporary construction shall be by Contractor, subject to review by Designer and authorities having jurisdiction.
 - 2. Provide temporary lighting, illuminated interior exit signage, non-illuminated directional and instructional signage, as required.
 - 3. Temporary measures shall suit and connect to existing building systems, and shall be approved by Owner's Representative and authorities having jurisdiction.

1.7 PROTECTION OF INSTALLED WORK

- A. Protection of Installed Work, General: Provide temporary protection for installed products. Control traffic in immediate area to minimize damage.
- B. Protective Coverings: Provide protective coverings at walls, projections, jambs, sills, and soffits of openings as necessary to prevent damage from construction activities, such as coatings applications, and as necessary to prevent other than normal atmospheric soiling.
- C. Traffic Protection:
 - 1. Provide temporary covers of plywood, reinforced kraft paper or temporary rugs and mats, as necessary. Temporary covers shall not slip or tear under normal use nor shall they be a tripping hazard.
 - 2. Prohibit traffic and storage on landscaped areas.
 - 3. Protect newly fine graded, seeded and planted areas with barriers and flags to designate such areas as closed to pedestrian and vehicular traffic.

1.8 REMOVAL OF TEMPORARY BARRIERS AND ENCLOSURES

- A. Removal of Temporary Barriers and Enclosures: Unless otherwise mutually agreed by Owner's Representative and Contractor, remove temporary materials, equipment, services, and construction prior to date of Substantial Completion.
- B. Cleaning and Repairs: Clean and repair damage, soiling and marring caused by installation or use of temporary barriers and enclosures.

PART 2 - PRODUCTS

Not applicable to this Section.

PART 3 - EXECUTION

Not applicable to this Section.

END OF SECTION 01 56 36