

Section 01555**TRAFFIC CONTROL AND REGULATION****1.0 GENERAL****1.01 SECTION INCLUDES**

- A Requirements for traffic control plans, signs, signals, control devices, flares, lights and traffic signals, as well as construction parking control, designated haul routes and bridging of trenches and excavations.
- B Requirements for and qualifications of Flaggers.
- C References to Technical Specifications:
 - 1. Section 01350 – Submittals
 - 2. Section 01140 – Contractor’s Use of Premises
- D Referenced Standards:
 - 1. Texas Manual on Uniform Traffic Control Devices (Texas MUTCD)

1.02 MEASUREMENT AND PAYMENT

- A Traffic Control and Regulation. Measurement is on a Lump Sum basis for Traffic Control and Regulation, including submittal of a traffic control plan if different from the one provided on the Plans, provision of traffic control devices, and provision of equipment and personnel as necessary to protect the Work and the public. The amount invoiced shall be determined based on the Schedule of Values submitted for traffic control and regulation.
- B Flaggers. Measurement is on a Lump Sum basis for Flaggers as required for the Work. The amount invoiced shall be determined based on the Schedule of Values submitted for Flaggers.

1.03 SUBMITTALS

- A Make Submittals required by this Section under the provisions of Section 01350 – Submittals.
- B A Traffic Control Plan responsive to the Texas MUTCD and sealed by a Registered Professional Engineer is incorporated into the Plans. If the Contractor proposes to implement traffic control different than the plan provided, he shall submit a Traffic Control Plan in conformance with Texas MUTCD for approval of the Engineer.
- C For both the Traffic Control Plan and Flaggers’ use, submit Schedules of Values within 30 days following the Notice to Proceed.
- D Each week submit a daily log for Flaggers listing name, badge number, time start, time finish, and hours worked.

1.04 FLAGGERS

- A Unless otherwise specified, use only Flaggers who are off-duty, regularly employed, uniformed Peace Officers.
- B Flaggers are required at the following locations:
1. Where multi-lane vehicular traffic must be diverted into single-lane vehicular traffic.
 2. Where vehicular traffic must change lanes abruptly.
 3. Where construction equipment either enters or crosses vehicular traffic lanes and walks.
 4. Where construction equipment may intermittently encroach on vehicular traffic lanes and unprotected walks and cross-walks.
 5. Where construction activities might affect public safety and convenience.
 6. Where traffic regulation is needed due to rerouting of vehicular traffic around the work site.
 7. When requested by Owner.
- C The use of Flaggers is for the purpose of assisting in the regulation of traffic flow and movement, and does not in any way relieve the contractor of full responsibility for taking such other steps and provide such other Flaggers or personnel as the Contractor may deem necessary to protect the work and the public, and does not in any way relieve the Contractor of his responsibility for any damage for which he would otherwise be liable.

Flaggers shall be used and maintained at such points for such periods of time as may be required to provide for the public safety and convenience of travel.

2.0 PRODUCTS**2.01 SIGNS, SIGNALS, AND DEVICES**

- A Comply with Texas MUTCD regulations.
- B Traffic Cones and Drums, Flares and Lights: As approved by agencies having jurisdiction.

3.0 EXECUTION**3.01 PUBLIC ROADS**

- A Abide by laws and regulations of governing authorities when using public roads. If the Contractor's work requires that public roads be temporarily impeded or closed, approvals shall be obtained from governing authorities and permits paid for before starting any work. Coordinate activities with the Engineer.
- B Contractor shall maintain at all times a 10-foot-wide all-weather lane adjacent to work areas which shall be kept free of construction equipment and debris and shall be for the use of emergency vehicles, or as otherwise provided in the Traffic Control Plan.

- C Contractor shall not obstruct the normal flow of traffic from 7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m. on designated major arterials or as directed by the Engineer.
- D Contractor shall maintain local driveway access to residential and commercial properties adjacent to work areas at all times.
- E Cleanliness of Surrounding Streets:
 - 1. Keep streets used for entering or leaving the job area free of excavated material, debris, and any foreign material resulting from construction operations. Leave the area broom-clean or its equivalent at the end of the work day.
- F Control vehicular parking to prevent interference with public traffic and parking, and access by emergency vehicles.
- G Monitor parking of construction personnel's vehicles in existing facilities. Maintain vehicular access to and through parking areas.
- H Prevent parking on or adjacent to access roads or in non-designated areas.

3.02 FLARES AND LIGHTS

- A Provide flares and lights during hours of low visibility to delineate traffic lanes and to guide traffic.

3.03 HAUL ROUTES

- A Utilize haul routes designated by Owner or shown on the Plans for construction traffic.
- B Confine construction traffic to designated haul routes.
- C Provide traffic control at critical areas of haul routes to regulate traffic and minimize interference with public traffic.
- D Contractor shall be responsible for any damage caused by vehicles utilizing haul routes.

3.04 TRAFFIC SIGNS AND SIGNALS

- A Install traffic control devices at approaches to the site and on site, at crossroads, detours, parking areas, and elsewhere as needed to direct construction and affected public traffic.
- B Relocate traffic signs and control devices as Work progresses to maintain effective traffic control.

3.05 BRIDGING TRENCHES AND EXCAVATIONS

- A Whenever necessary, bridge trenches and excavation to permit an unobstructed flow of traffic.

- B Secure bridging against displacement by using adjustable cleats, angles, bolts or other devices whenever bridge is installed:
 - 1. On an existing bus route;
 - 2. When more than five percent of daily traffic is comprised of commercial or truck traffic;
 - 3. When more than two separate plates are used for the bridge; or
 - 4. When bridge is to be used for more than five consecutive days.
- C Install bridging to operate with minimum noise.
- D Adequately shore the trench or excavation to support bridge and traffic.
- E Extend steel plates used for bridging a minimum of one foot beyond edges of trench or excavation. Use temporary paving materials (premix) to feather edges of plates to minimize wheel impact on secured bridging.
- F Use steel plates of sufficient thickness to support H-20 loading, truck or lane, that produces maximum stress.

3.06 CLEAN-UP AND RESTORATION

- A Perform clean-up and restoration in and around construction zone in accordance with Section 01140 – Contractor’s Use of Premises.
- B Remove equipment and devices when no longer required.
- C Repair damage caused by installation.
- D Remove post settings to a depth of 2 feet.

END OF SECTION