

SECTION 1300 - TRAFFIC CONTROL

PART 1 - GENERAL

- 1.01 SCOPE:** This Section covers Contractor's traffic control. Topics included are equipment standards, minimum traffic control, and Unified Government remedy of deficient traffic control.
- 1.02 REFERENCE STANDARDS:** In this Section, the "Manual on Uniform Traffic Control Devices", U.S. Department of Transportation, Federal Highway Administration is referred to as "MUTCD". The most recent version as adopted by the KDOT shall apply.
- 1.03 SUBMITTALS:** The following shall be submitted prior to starting construction:
- A. Name and phone number of party responsible for emergency maintenance of traffic control.
 - B. Traffic Control Plan.
- 1.04 STREET CLOSURE PERMITS:** A separate permit is required from the Unified Government when a street is closed to through traffic. Contact the Public Works office a minimum of 3 business days in advance for a permit.
- 1.05 TRAFFIC SAFETY RESOURCES:** The contractor shall either:
- Have on staff a work zone traffic safety officer who has either an American Traffic Safety Services Association traffic control technician certification or International Municipal Signal Association certification in work zone traffic safety and who has oversight responsibility of traffic control and work zone safety or
 - Contract all traffic control setup, maintenance and removal to a firm specializing in traffic control that has a technician on each crew that has either an American Traffic Safety Services Association traffic control technician certification or International Municipal Signal Association certification in work zone traffic safety.
- 1.06 TRAFFIC ENFORCEMENT:** If Engineer determines adequate traffic control cannot be achieved by application of standard traffic control devices (including advance signing, barricades, channelizing devices, barriers, flashers, signed detours, arrow boards, temporary pavement markings, message boards, flaggers, and pilot cars), Contractor shall procure the services of off-duty, sworn police officers and patrol cars to enforce the traffic control measures.

PART 2 - PRODUCTS

- 2.01 CONSTRUCTION TRAFFIC CONTROL DEVICES:** Signs, barricades, channelizing devices, lights, and pilot cars shall meet the MUTCD requirements for type, size color, reflectivity, light intensity, flashing rate and sequence, material, lettering style, and standardization of wording and symbols for the street classification and design speed on which they are used. Signs shall not have handwritten or otherwise distracting messages on the reverse side, except for professionally prepared

ownership identification labels. Flaggers shall meet minimum qualifications, including knowledge of regulations, use of hand signals, and standards for clothing and conduct established in the MUTCD.

Barricades and advance warning signs in place at night shall have a Type A (low intensity flashing) warning light. Other warning lights may be required in the Special Conditions or drawings.

PART 3 - EXECUTION

3.01 TRAFFIC CONTROL: All traffic control for construction shall conform to the standards of the MUTCD. Contractor shall provide, install, check daily, and maintain devices required by the traffic control plan, shall cover conflicting permanent signs, and shall remove devices when no longer needed. Contractor shall identify a party responsible for emergency maintenance of traffic control equipment. Such party shall be on continuous call for the duration of the traffic control operations.

Where a traffic control plan is included in the drawings, Contractor shall follow it as closely as possible. Sign messages shall not be changed without approval of Engineer, and actual placement of the devices may be adjusted to optimize effectiveness. If no traffic control plan is included in the documents, Contractor shall submit a traffic control plan relative to advance warning, street and lane closure, detouring, and separation of traffic from workers, equipment, and road hazards. Contractor's traffic control plan shall meet the minimum standards established in this Section.

3.02 MINIMUM TRAFFIC CONTROL: Minimum traffic control shall consist of the following applications:

- A. "Construction Ahead" advance warning signs shall be posted on the street under construction and all side streets entering between the advance warning signs. "End Construction" signs shall be posted on all routes leaving the construction area. "End Construction" signs are not required for construction zones less than 500 feet in length. Where appropriate, the general advance warning signs may be followed by a sign identifying the conditions likely to be encountered, such as uneven pavement, lane or street closures, flaggers, or fresh oil.
- B. The work zone shall be separated from traffic by acceptable channelizing devices placed a maximum of every 30 feet. Separation shall include tapered sections to shift traffic. Taper shall be 8:1 or flatter for local streets. Taper lengths for collectors and arterials shall be as designated on the traffic control plan.
- C. Where traffic is required to cross the centerline, traffic directions shall be separated with acceptable channelizing devices or flaggers used to direct one-way traffic.
- D. The requirements for separation in items 3.02C. may be waived if the following conditions are met:
 - 1. Daily traffic counts are below 400 cars a day. (Traffic counts of 400 and below are characterized by long gaps between cars and infrequent occurrences of cars converging on the work zone from opposite directions.)
 - 2. The 85th percentile approach speed is below 25 mph.

3. Work zone is short.
 4. Duration of work is one day or less.
 5. Approach sight distance is over 300 feet.
 6. Approaching drivers have clear view of oncoming traffic and entering traffic beyond the work zone.
- E. Excavations, stockpiles, drop offs, other items not at the grade of the travel lane, and work zones not separated from traffic by acceptable channelizing devices shall be marked with Type 1 barricades.
- F. A lane closure of an arterial road shall have a lighted arrow board placed behind the taper.
- G. Contractor may employ other devices and methods as he deems necessary to provide a safe work zone for workers and traffic.
- H. Unified Government may order work ceased until deficient traffic control is remedied.

END OF SECTION 1300