

SECTION 2400 TRAFFIC CONTROL

2401 GENERAL. The Contractor shall be responsible for maintenance, control, and the safeguarding of traffic within and immediately abutting the project as further outlined herein, and as may otherwise be provided for in the Special Provisions. The City will be responsible for maintenance, control, and safeguarding of traffic on all detours which do not lie within the project limits, unless otherwise required in the Special Provisions or contract drawings.

The Contractor must provide a detour plan to the Engineer and notify the Engineer at least 48 hours prior to implementing a detour plan or closing a street.

The Contractor shall notify the central dispatcher of the Fire Department and the Police Department prior to the closing or cutting of any public thoroughfare.

Failure to notify the Engineer and police dispatcher will result in an immediate suspension of work.

2402 STREET CLOSURES. Streets may not be closed to through traffic unless otherwise provided for in the Special Provisions. Streets shall not be closed to traffic until such closure has been approved by the Engineer. Street closures shall be made in such a manner as to provide for maximum public safety and public convenience, and if closed, shall be opened to through traffic at such time as the work has been completed, or as the Engineer may direct. If the work in the street cannot be accomplished during the day opened, the excavation shall be protected by anchored street plate bridging as approved by the City Engineer.

2403 EXISTING TRAFFIC SIGNS AND FACILITIES. The City, unless otherwise indicated, will make all necessary adjustments to traffic signals and traffic signal activators at no cost to the Contractor. Existing traffic and street name signs which will interfere with construction shall be removed by the Contractor and stored in a safe place. These signs shall not be removed until the Engineer has so directed and until the necessary measures have been taken to safeguard traffic after the signs have been removed. Preservation and maintenance of the signs shall be the sole responsibility of the Contractor. Upon completion of the project, the Contractor shall reset all such signs.

2404 DETOURS. Detours outside the limits of the project shall be the sole responsibility of the Contractor unless otherwise provided in the Special Provisions. Detours within the limits of the project such as side street crossings, temporary bridges over freshly placed concrete, utilization of one or more lanes of the construction for maintenance of traffic, and such related facilities for the maintenance of traffic shall be the responsibility of the Contractor, the costs which shall be included in the unit contract prices unless otherwise provided for in the Special Provisions. All detour signage shall conform to the standards set forth in MUTCD.

2405 LOCAL AND EMERGENCY TRAFFIC. Local traffic shall be provided access to private properties at all time, except during some urgent states of construction when it is impracticable to carry on the construction and maintain traffic simultaneously, such as for the placing of asphalt concrete pavement, placing and curing of portland cement concrete pavement, and deep sewer excavations which prohibit safe travel of vehicular traffic.

No private driveway may be closed without the approval of the Engineer, unless written permission has been given the Contractor by the owner of the property affected.

Emergency traffic such as police, fire and disaster units shall be provided reasonable access at all times. The Contractor shall be liable for any damages which may result from his failure to provide such reasonable access.

2406 PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC. The Contractor shall take every precaution to protect pedestrian and vehicular traffic. Whenever, in the opinion of the Engineer, the Contractor has not provided sufficient or proper safety precautions and safeguards, he shall do so immediately and to whatever extent the Engineer deems advisable.

2407 RESTRICTION OF PARKING. Where parking is a hazard to through traffic or to the construction work, it shall be restricted either entirely or during the time when it creates a hazard. Signs for this purpose will be initially furnished and placed by the City unless indicated otherwise.

The Contractor shall be responsible for and shall maintain the signs if they are used on any street which is directly involved in the construction work. If the parking signs are to be used beyond the confines of the work area, such as another street being used as a detour, the signs will be the sole responsibility of the Contractor.

2408 FLAGMEN. The Contractor shall furnish at his own expense all flagmen who may be needed unless otherwise provided for in the Special Provisions. Flagmen will be required when equipment is crossing a road that is open to vehicular traffic. Hand signaling devices, flagman attire, flagging procedures, and flagman stations shall be in accordance with the M.U.T.C.D.. On projects requiring handling of two-way traffic over a single lane, each flagman involved in controlling traffic through and along the work area shall be equipped with a portable transceiver radio and a Stop - Slow hand signaling device.

2409 TRAFFIC CONTROL WITHIN AND ABUTTING THE PROJECT. The contractor shall place and maintain all signs, barricades and warning lights within the limits of the project on all streets, alleys, and driveways entering the project so that approaching traffic will turn right or left on existing and undisturbed streets before reaching the warning signs and barriers immediately abutting the project. Unless otherwise provided for in the Special Provisions, all required signs will be furnished by the Contractor.

Barricades shall be furnished by the Contractor. The barricades shall be of a conventional design normally used in street construction work, and painted a current traffic yellow with black stripes as shown in Part VI of the Manual on Uniform Traffic Control Devices, latest edition.

2410 FLASHERS. Flashers used shall be a type approved by the Engineer with a 7 inch lens, amber in color, and reflectorized rim. The rate of flashes shall be regular and shall be between 50 and 60 flashes per minute + or - 5 percent; the "on" time shall be at least 25 percent of the cycle + or - 5 percent. Batteries shall be replaced in flasher units when the voltage is less than 4.6 volts for a 6-volt unit and 9.2 volts for a 12-volt unit. Vertical sign posts shall be covered with reflective tape.

2411 TEMPORARY SURFACING. Whenever the Engineer determines the construction operation requires surfacing to permit vehicular or pedestrian traffic, the contractor shall provide temporary

surfacing of crushed stone. Whenever temporary surfacing will be required for a sustained period or on high volume roadways, the top 1 1/2" or temporary surface shall be of Bituminous cold mix Possipatch or approved equal. Such temporary surfacing shall be maintained by the Contractor in a safe, reasonably smooth condition as long as it is in use. Crushed stone for temporary surfacing shall meet the requirements of Paragraph 1007.2 Missouri Highway Specifications for Type 2 Aggregate, Gradation A.