

**CITY OF FARGO SPECIFICATIONS
TRAFFIC CONTROL**

**PART 1
DESCRIPTION OF WORK**

The work to be done under this section of the Specifications and the accompanying plans consists of all labor, material, accessories, and equipment necessary to furnish, install and maintain the specified traffic control devices at the designated locations.

PART 2
MATERIALS

All devices and methods of traffic control shall conform to the latest edition of the Manual of Uniform Traffic Control Devices, published by FHWA.

MUTCD: http://mutcd.fhwa.dot.gov/hm/2009/html_index.htm

MUTCD, Traffic Control section: http://mutcd.fhwa.dot.gov/hm/2009/part6/part6_toc.htm

MUTCD Pedestrian Traffic Control Guidelines: <http://mutcd.fhwa.dot.gov/hm/2009/part6/part6d.htm>

ADA Standards for Accessible Design: <http://www.ada.gov/>

PART 3
CONSTRUCTION

3.1. GENERAL

The Contractor is responsible for signing, barricades and traffic control devices to protect the traveling public and direct them around the construction site. Traffic control devices shall be installed at the inception of the construction process. These devices shall be maintained for the duration of the project. They shall remain in place only as long as they are needed and shall be immediately removed thereafter. The Contractor shall provide any additional personnel as needed to direct the traveling public around the work zone. A work zone consists of an area with construction, maintenance, or utility work activities. The work zone extends from the first sign to the last device on any roadway segment.

3.2. PEDESTRIAN AND BICYCLE SAFETY

The Contractor shall not block the movement of pedestrian or bicycle traffic. The Contractor shall provide for pedestrian and bicycle traffic by phasing construction operations and/or by providing alternative pedestrian and bicyclist access through or adjacent to construction areas. Proper advance notice signage with reasonable detours shall be installed and maintained through all phases of construction. Access to pedestrian and bicycle devices at traffic signals shall be maintained at all times. At no time shall pedestrians be diverted into a portion of the street used for vehicular traffic or on to private property unless proper barriers, delineations, and adequate signage is in place.

The costs associated with pedestrian access shall be included in the traffic control bid item.

MUTCD Pedestrian Traffic Control Guidelines: <http://mutcd.fhwa.dot.gov/htm/2009/part6/part6d.htm>

ADA Standards for Accessible Design: <http://www.ada.gov/>

3.3. LOCAL TRAFFIC CONTROL

The Contractor is responsible for signing and barricading entrance points to the construction site to restrict access to the general public and maintain their safety. This category of traffic control is generally used for sites with limited outside traffic and limited exposure to the traveling public.

3.4. TRAFFIC CONTROL - MINOR

3.4.1. SHORT TERM STATIONARY AND MOBILE OPERATIONS

This classification is characterized by short term installations that are not used or left in place at night.

The Contractor shall provide flaggers and have them stationed near the work zone to assist the general public and construction vehicles in and around the work zone. All flagging activities and equipment shall conform to the standards set forth in the latest edition of the Manual of Uniform Traffic Control Devices, published by FHWA. The cost of flaggers shall be included in the contract unit price for Traffic Control.

3.5. TRAFFIC CONTROL – TYPE I

This level of traffic control requires that the Contractor provide a watch person to monitor and document the site on a daily basis.

The Contractor shall provide flaggers in controlled access areas of the work zone that has work occurring in the normal traveled lane. All flagging activities and equipment shall conform to the standards set forth in the latest edition of the Manual of Uniform Traffic Control Devices, published by FHWA. The cost of flaggers shall be included in the contract unit price for Traffic Control.

If the Contractor does not make a reasonable effort to correct any deficiency in a timely manner, work on the entire project will be shut down for a minimum of 24 hours until the problem is corrected. In addition, the Contractor shall provide a plan to the Engineer as to how future problems will be avoided prior to resuming construction activities.

3.5.1. Watch Persons

Watch persons shall be provided to patrol the project to assure that the traffic control devices are properly placed in accordance with the traffic control plans and standards. The project shall be patrolled daily at least once during daylight before 10:00 A.M. and at least once after the Contractor has shut down for the day or after 6:00 P.M. on weekends and days when no work is in progress.

The Contractor shall provide written documentation to the Engineer of the watch person's hours and activities. (See attached "Traffic Control Devices Daily Checklist" form.)

The Contractor shall immediately assist the watch person, whenever needed, to correct conditions that cause erratic traffic movement, unexpected braking, etc., and erect, repair, replace, or relocate the required traffic control devices. Emergency assistance shall be provided to motorists, when needed, due to roadway conditions. Upon written request to the Engineer, suspension of watch person service may be permitted during periods of authorized suspension or after substantial completion of work, provided the job site is in safe condition.

3.5.1.A. Qualifications

The watch person shall:

- 1) Be familiar with the requirements of the City of Fargo traffic control plans and Specifications for the particular job in which he/she is assigned.
- 2) Have completed a NDDOT-approved Traffic Control Technician Course.
- 3) The watch person must submit their name and phone number to the project Engineer prior to the start of the project. The watch person will be required to submit the "Traffic Control Devices Daily Checklist" forms to the project Engineer on a weekly basis.

3.6. TRAFFIC CONTROL – TYPE 2

This level of traffic control requires that the Contractor provide a traffic control supervisor in addition to a watch person to monitor and document the site. Flagging and watch person requirements shall be per Traffic Control – Type 1 above.

Proposed signing shall be submitted to the Engineer for approval prior to the closing of a particular street.

The Contractor will be subject to an hourly charge for failure to maintain the traffic control devices and enclosure as set forth in these Specifications. If the Contractor does not correct any deficiencies within one (1) hour of being notified, the Contractor will be assessed an initial \$900 fee and an additional \$100.00 per hour for each hour or any portion thereof which the Engineer determines that the Contractor has not complied. However, no charge will be made if the deficiency is corrected within (1) hour of notification.

3.6.1. Traffic Control Supervisor

The Contractor shall designate a qualified traffic control supervisor. This supervisor shall be in addition to the watch person specified in section (2) below. If this traffic control supervisor becomes unavailable on the project, the Contractor shall designate a qualified replacement supervisor.

3.6.1.A. Qualifications

The traffic control supervisor shall:

- 1) Be familiar with the requirements of the City of Fargo traffic control plans and Specifications.
- 2) Have completed a NDDOT-approved Traffic Control Supervisor Course and furnish proof thereof at the preconstruction meeting.
- 3) Have a total of at least 12 months field experience with traffic control plans, layouts and maintenance.
- 4) Be competent to supervise personnel in traffic control operations.

3.6.1.B. Duties

The traffic control supervisor shall:

- 1) Provide traffic control as required by plans, Specifications, MUTCD, or as directed by the Engineer.

- 2) Supervise the installation, operations, inspection, maintenance, and removal of the traffic control system.
- 3) Correct traffic control conditions that cause erratic vehicle movements, unexpected braking, etc.
- 4) Propose changes to improve traffic flow through the work zone.
- 5) Be accessible to the job site within one hour of notification and be “on call” on a 24-hour basis.
- 6) Provide the Engineer with documentation of all traffic control activities required on item (2) above.
- 7) Function as watch person in his/her absence.

3.6.2. *Watch Persons*

Watch persons shall be provided to patrol the project to assure that the traffic control devices are properly placed in accordance with the traffic control plans and standards. The project shall be patrolled daily at least once during daylight before 10 A.M. and at least once during darkness, minimum 30 minutes after sunset, including weekends and days when no work is in progress.

The traffic control Contractor shall provide written documentation to the Engineer on a weekly basis of the watch person’s hours and activities. (See attached “Traffic Control Devices Daily Checklist” form.) Progressive estimates will not be processed unless the documentation is submitted and up to date.

The Contractor shall immediately assist the watch person, whenever needed, to correct conditions that cause erratic traffic movement, unexpected braking, etc., and erect, repair, replace, or relocate the required traffic control devices. Emergency assistance shall be provided to motorists, when needed, due to roadway conditions. Upon written request to the Engineer, suspension of watch person service may be permitted during periods of authorized suspension or after substantial completion of the work, provided the job site is in safe condition.

3.6.2.A. Qualifications

The watch person shall:

- 1) Be familiar with the requirements of the City of Fargo traffic control plans and specification for the particular job in which he/she is assigned.
- 2) Have completed a NDDOT-approved Traffic Control Technician Course.
- 3) The watch person must submit their name and phone number to the project Engineer prior to the start of the project. The watch person will be required to submit the "Traffic Control Devices Daily Checklist" forms to the Project Engineer on a weekly basis.

The Contractor shall designate the construction foreman or alternate contact person who will be responsible for the construction activities, which include the activities of all the subcontractors.

The City will inform the contact person anytime a deficiency is noticed in the traffic control. The contact person shall be required to make sure the necessary corrective actions are put in place, which includes the deficiencies caused by the subcontractors.

The City will notify the prime Contractor when the charges begin. The prime Contractor shall be responsible for notifying the City when appropriate corrective actions have been carried out, in order to suspend the accumulation of any further fees.

The Contractor shall note a traffic control Contractor will be required to perform the duties of traffic control supervisor and watch person. The prime Contractor will NOT be allowed to perform these duties.

**PART 4
PAYMENT**

4.1. LOCAL TRAFFIC CONTROL

Incidental to contract.

4.2. TRAFFIC CONTROL - MINOR

This bid item shall be a lump sum bid item and shall include all signing for traffic and pedestrian control (including detour routes), barricades, channelizing devices, temporary striping, changeable message boards, etc.

4.3. TRAFFIC CONTROL – TYPE 1

This bid item shall be a lump sum bid item and shall include all signing for traffic and pedestrian control (including detour routes), barricades, channelizing devices, temporary striping, changeable message boards, etc.

4.4. TRAFFIC CONTROL – TYPE 2

This bid item shall be a lump sum bid item and shall include all signing for traffic and pedestrian control (including detour routes), barricades, channelizing devices, temporary striping, changeable message boards, etc.