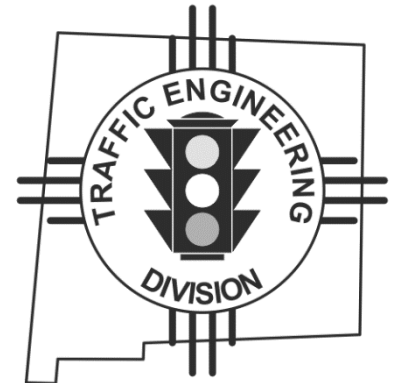


TRAFFIC CONTROL REQUIREMENTS

CITY OF FARMINGTON

Public Works Department
TRAFFIC ENGINEERING DIVISION
MUNICIPAL OPERATION CENTER
101 N. BROWNING PARKWAY



This document is based on Section 451 **City of Farmington Technical Specifications** **and Construction Standards for** **Work Area Traffic Control and Safety**

451.1 GENERAL

The purpose of this document is to set forth requirements, and the basic principles and standards to be observed by all those who perform work on a public street, public sidewalk, and public parking lot within the city limits of Farmington to provide safe and effective work zones for workers and to warn, control, protect, and expedite vehicular, bike, and pedestrian traffic.

451.1.1 APPLICABILITY

Unless otherwise stated, the requirements specified in this document are applicable to all contractors, developers, public utilities, private utilities, city work crew, county work crew, state work crew, and other workers performing work on or near public streets, public sidewalks, and public parking lots in all cases where traffic is affected by such work.

451.1.2 GOALS

Proper temporary traffic control (TTC) techniques shall be effectively utilized to:

- A. Reduce confusion to motorist, bicyclist, and pedestrians and improve public safety.
- B. Prevent accidents both to the public and work crews.
- C. Prevent damage to private and public property including damage to the construction project and construction equipment.
- D. Expedite traffic flow.
- E. Improve public relations.
- F. Insure conformity with national, state and local regulations for TTC.

451.1.3 AUTHORITY

All work shall conform to the standards and guidelines outlined in the most recent version of the ***Manual on Uniform Traffic Control Devices (MUTCD)***.

The ***MUTCD*** is incorporated by reference in **23 Code of Federal Regulations (CFR), Part 655, Subpart F** and shall be recognized as the national standard for all traffic control devices installed on any street, highway, bikeway, or private road open to public travel in accordance with 23 U.S.C. 109(d) and 402(a).

The City Traffic Engineer or their designated agent (designee) has centralized authority under **Municipal Code Section 25-2-4** for reviewing and prescribing proper TTC and devices at work zones. Contractors, developers, public utilities, private utilities, city work crew, county work crew, state work crew, and other workers shall be responsible for all construction related traffic control including development of TTC plans, managing devices, set-up and removal of devices, and maintenance of work zones through completion.

Should deficiencies be observed, the City Traffic Engineer or their designee will have the authority to issue a written stop work order until such time as the deficiencies have been fully corrected.

451.1.4 PLANNING

All persons responsible for supervising work zones must plan well in advance to keep traffic obstruction, public inconveniences and lost work time to a minimum. The planning responsibility requires knowledge of:

- A. Traffic conditions and existing traffic control
- B. Traffic lane requirements
- C. Physical features
- D. Visibility restrictions
- E. Problems of access to private property
- F. Business access and activities
- G. The type, number, and location of signs, barricades, lights, and other traffic devices required for the work.
- H. Accommodations for all pedestrians and bicyclist affected by the work zone.

451.2 RESPONSIBILITIES

All persons responsible for work on a public street, public sidewalk, and public parking lot must:

- A. Submit a TTC permit to the City Traffic Engineer to their designee for review and approval.
1. The TTC permit must be submitted no less than five (5) working days in advance of the anticipated work. The TTC permit requires the City Traffic Engineer's or their designee's approval prior to occupying the work zone. Exceptions for emergency work will be considered on a case by case basis.
- B. Submit a TTC plan to the City Traffic Engineer or their designee for review and approval.
1. The TTC plan must be submitted no less than five (5) working days in advance of the anticipated work. The TTC plan requires the City Traffic Engineer's or their designee's approval prior to occupying the work zone. Exceptions for emergency work will be considered on a case by case basis.
 2. TTC plan and deployment should be prepared by persons knowledgeable about the fundamental principles of TTC and work activities to be performed. An example of a knowledgeable person is one trained or certified through either ***International Municipal Signal Association (IMSA)*** or ***American Traffic Safety Services Association (ATSSA)***, or other City of Farmington Traffic Engineering Division approved training and certification course. The design, selection, and placement of TTC devices for a TTC plan should be based on engineering judgment.
 3. The TTC plan shall contain drawing(s) and note(s) that details the TTC for the work zone. All TTC devices shall be marked and identified on the TTC plan. The TTC plan shall have the date, start time and duration of the work zone.
 4. On New Mexico Department of Transportation (NMDOT) Right-of-Way, TTC plans must be prepared by a professional engineer, licensed in the state of New Mexico. The TTC plan shall be submitted for review and approval to the NMDOT District 5 Office.
- C. Assign a Traffic Control Supervisor (TCS).

The TCS must:

1. Be knowledgeable (trained or certified through either ***IMSA*** or ***ATSSA***) in the fundamental principles of TTC, work activities to be performed and applying the TTC standards and guidelines.
2. Install, maintain and manage required TTC devices.
3. Ensures that the TTC measures shown on the approved temporary traffic control plan are properly implemented. The TCS provides traffic control management for the work zone.

4. Be knowledgeable in applying the TTC standards and guidelines.
 5. Supervise traffic control personnel
- D. All workers, including emergency responders in the public streets, public sidewalks, and public parking lots within the city limits of Farmington who are exposed either to traffic (vehicles using the highway for purposes of travel) or to work vehicles and construction equipment within the work zone shall wear high-visibility safety apparel.
1. The color of the high-visibility safety apparel shall be fluorescent yellow-green.
 2. The high-visibility safety apparel shall satisfy the Performance Class 3 requirements of the **ANSI/ISEA 107-2004** publication entitled "**American National Standard for High-Visibility Safety Apparel and Headwear**", or equivalent revisions, and labeled as meeting the ANSI 107-2004 standard performance for Class 3 risk exposure.
- E. Provide flagmen when required.
1. All flaggers shall be **ATSSA** certified and shall wear high-visibility safety apparel as referenced in part E of section 451.2.
- F. Provide timely notification to, and coordination with, all affected agencies including the following:
1. City of Farmington Fire Department
 2. City of Farmington Police Department
 3. City of Farmington Public Works Department
 4. Operational Management International, Inc. (OMI)
 5. Farmington Electrical Utility Department
 6. Telecommunications Utility
 7. Cable T.V.
 8. PNM
- G. Inform occupants of abutting properties of access limitations made necessary by the work. A minimum twenty-four (24) hour advanced notice is required except for emergency work.
- H. Schedule and expedite work to cause the least inconvenience to the public. Construction or repair work on collector or arterial streets will not be permitted during traffic peak hours.

- I. Provide blue and white “Project Information fmrtn.org” information sign(s) for City of Farmington Public Works Department projects. For project information sign specifications, please contact the City of Farmington Traffic Engineer or their designee.
- J. Restore the road back to satisfactory condition including, but not limited to: paving, striping, markings, and traffic signal loop detectors
- K. Fill all trenches with backfill or cover all trenches with steel-plates during non-working hours.

451.3 TEMPORARY TRAFFIC LANES

Effective control of traffic in work zones requires a provision of adequate street space to accommodate traffic demands, particularly during the peak traffic hours.

Temporary traffic lane requirements for construction activities in all city streets shall be specified on the traffic control plan. These requirements constitute a part of the work agreement and must be adhered to as rigidly as any other specification. Unless otherwise specified, construction operations are limited to one-half width of the roadway at any time.

Maintenance activities in collectors and arterial streets shall be planned and scheduled to minimize interference with traffic. Except for emergency situations, no maintenance work shall encroach into a moving lane of traffic during peak hours unless specifically authorized by the City Traffic Engineer or their designee.

All temporary traffic lanes shall be a minimum of 10 feet in width unless otherwise authorized.

Suitable surfacing must be provided for the temporary traffic lanes in work areas. When traffic is diverted from the existing pavement, temporary asphalt surfacing shall be provided.

Construction equipment not actively engaged in the work, employee vehicles and official vehicles of the agency shall not be parked in the vicinity of the work zone in such a manner as to further restrict or obstruct traffic flow.

451.4 TRAFFIC CONTROL, WARNING AND GUIDANCE DEVICES

The purpose of the TTC devices, as well as the principles for their use, is to promote highway safety and efficiency by providing for the orderly movement of all road users on streets and highways.

TTC devices notify road users of regulations and provide warning and guidance needed for the reasonably safe, uniform, and efficient operation of all elements of the traffic stream in a manner intended to minimize the occurrence of crashes.

All TTC, warning and guidance devices shall conform to the most current edition of the ***MUTCD***.

At the time of the initial set up or at the time of major stage changes, one hundred percent (100%) of each type of device (cones, tubular markers, drums, barricades, vertical panels, signs, warning lights, arrow panels, portable changeable message signs, pavement tape and raised pavement markers) shall be classified as “acceptable” as defined in the **ATSSA** book: **“Quality Guidelines for Temporary Traffic Control Devices and Features”**.

“Unacceptable” devices as defined in the **ATSSA** book: **“Quality Guidelines for Temporary Traffic Control Devices and Features”** shall not be delivered to the work zone. When found in the work zone, they shall be replaced or repaired within twelve (12) hours of notification or as contained in the contract specifications.

Short Duration and Mobile operation shall have appropriate devices on the equipment (that is, high-intensity rotating, flashing, oscillating, or strobe lights, signs, or special lighting), or shall use separate vehicle with appropriate warning devices. Vehicle Hazard Lights are not acceptable.

451.5 NOTIFICATION OF SCHEDULED WORK

Subsequent to receiving the TTC plan the City Traffic Engineer or their designee will notify the City of Farmington Public Works Department.

Subsequent to receiving notification the City of Farmington Public Works Department will notify the appropriate agencies and departments via emailing the Outage Emailing List Group.

451.6 MONITORING AND ENFORCEMENT PROCEDURES

The City Traffic Engineer or their designee will monitor zones for compliance with the requirements herein.

The TCS shall correct any deviations from prescribed street work zone safety and traffic control procedures.

451.7 CONSTRUCTION ACTIVITIES ADJACENT TO TRAFFIC CONTROL SIGNALS

Any construction activities within the vicinity of traffic control signals will require coordination five (5) days in advance of activities with the signal technicians at the City of Farmington Traffic Engineering Division.

Senior Signal Technician phone number is (505) 320-6529 and email: traffic@fmtn.org

451.8 GUIDELINES AND REFERENCE FOR TYPICAL APPLICATIONS

TTC plans shall follow the **MUTCD** available online at:

https://mutcd.fhwa.dot.gov/kno_2009r1r2.htm

Other reference publications include:

ATSSA: A Guide to Temporary Traffic Control in Work Zones, and

Institute for Transportation Research and Education (ITRE): Work Zone Safety – Guideline for Construction Maintenance and Utility Operations