

## Frequently Asked Questions

### When do I need a Traffic Control Plan?

Anytime construction activity will be conducted within the City's right-of-ways.

### My work will only take a few minutes, do I need a Traffic Control Plan?

Yes. Even work which lasts only a few minutes can have an adverse impact on traffic and pedestrian movements.

### How long will it take to get a Traffic Control Plan approved?

Simple plans may be approved in as little as 5 working days. More complex plans may take as long as 15 working days to be approved.

### Will my hours of work be restricted?

Work on City arterial streets is limited to working between the hours of 8:30am - 3:30pm. Work around schools may be restricted to certain hours to protect the safety of students.



*Construction Crews Working on Huron Street*

Inspection request line  
**303-829-5359**



**CITY OF NORTHGLENN**

**Public Works Dept.  
11701 Community Center Drive  
PO Box 330061  
Northglenn, Colorado 80233-8061  
Phone: 303-450-8984  
Fax: 303-450-8793**

**CITY OF NORTHGLENN**



## Flowfill Backfill

**Public Works Dept.**



**Inspection Request Line  
303-829-5359**

## Flowfill and Construction

All construction, maintenance, park or utility work being completed within the Public Right-of-Way must have a Traffic Control Plan (TCP) approved by the City of Northglenn Traffic Engineer. The TCP is a plan for guiding and handling traffic safely through the construction work zone. The TCP must provide safe methods for movement of pedestrians and motorists that travel through the work zone and a safe area for all workers engaged in the construction activity. The TCP shall show the location, spacing and scheduling of the usage of advance warning signs, barricades, pavement markings and other control devices. All control devices must be installed and maintained in accordance with the "Manual on Uniform Traffic Control Devices" (MUTCD) and the "CDOT Work Zone Safety Handbook", latest editions.



**Requirements contained in these manuals will be strictly enforced during the progress of the work.**

*No work is allowed on holiday-restricted streets between November 1 and January 1 (major shopping routes) unless approved by the City of Northglenn Traffic Engineer.*

## Mix Design Submittal

At the time of application, mix designs shall be submitted by the Contractor for City approval. No changes shall be made in the amounts or sources of the approved mix ingredients without written approval of the City Engineer. Production inspection and field testing of the approved mix shall be required by the City. Allow up to five (5) working days for review of mix design submittals.

## Flowfill

Flowable backfill shall consist of a controlled low-strength, self-leveling concrete material composed of various combinations of cement, fly ash, aggregate, water and chemical admixtures. It shall have a design compressive strength between 90 to 150 psi at 28 days when tested in accordance with ASTM D4832. The mix shall result in a product having a slump in the range of 6 to 8 inches at the time of placement. The Contractor shall submit a mix design for approval by the City prior to placement. The mix design shall be supported by laboratory test data verifying compliance with the 28-day compressive strength requirements, to provide a workable backfill material for future access work.

Suggested mix proportions for Flowfill Concrete

Mix Proportions (per cubic yard of concrete)

Cement ASTM C-150	60-94 lbs.
Sand ASTM C-33	1845-1850 lbs.
Aggregate ASTM C-33	1700-1750 lbs.
Air Entrainment ASTM C-260	5.0 ounces
Water ASTM C-94	39 gallons

**Inspection Request Line  
303-829-5359**

## Street Plates

Work involving flowfill will require the use of street plates to allow traffic flow until the flowfill material has cured. Temporary asphalt will be placed around the edges of the street plates to eliminate sharp edges.

Flowfill may not be used as a permanent surface. Flowfill will be excavated 6 inches, or match existing pavement thickness prior to patching.

Street Plates cannot be used in the winter time to prevent damage to the city's snowplows.

For more information  
call 303-450-8984



**CITY OF NORTHGLENN**

**Public Works Dept.  
11701 Community Center Drive  
PO Box 330061  
Northglenn, Colorado 80233-8061**

**Phone: 303-450-8984  
Fax: 303-450-8793**