

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, Monday through Friday. 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



Concrete Replacement and Construction

Public Works Dept.



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

Concrete Replacement

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. In the case of concrete replacement the TCP must address the needs of pedestrian activity which will be impacted by the removal and replacement of the concrete section.



Contractors are required to apply for and receive Right-of-Way Construction Permit before construction activities begin.

Concrete mix design from the supplier will need to be submitted to the City Engineer for review and approval. As with all submittals, allow for 5 working days for review and approval.

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.

Requirements

If removal of concrete is within the driveway section, the homeowner or business owner shall be provided with a written notice (approved by the City Engineer) a minimum of 24 hours advance of any work. The contractor shall provide suitable means of entry to the driveway until the concrete has been placed.

No concrete removal is permitted without approved traffic and pedestrian control measures in place.

Removals shall be to the nearest control joint, and shall be neatly saw cut. The minimum removal section permitted shall be 5 feet, providing that 5 feet of existing concrete structure remains. The tie-in surfaces shall be dowelled with 3 - #4 rebar 24 inches in length.

Concrete removed shall be immediately loaded into a truck and removed to an approved disposal facility. No concrete shall be piled or otherwise placed in the public right-of-way.

Forms shall not be set until the subgrade has been uniformly moisture conditioned and compacted to within 1 inch of grade. Form inspections shall be scheduled with 24 hours notice.

Soils testing shall be scheduled by the contractor for each removal. Soils test results shall be submitted to the Inspector for review and approval prior to placing concrete. Soils tests are valid for 24 hours.

Concrete testing shall be scheduled for every 50 yards, or portion thereof, per day. Testing shall consist of air, slump, temperature, and unit weight as required. Test results shall be provided to the Inspector upon completion of testing. A set of 4 cylinders shall be cast with each concrete test. Compressive strength tests shall be conducted as follows:

1 cylinder	7 days
1 cylinder	14 days
2 cylinders	28 days

Compressive strength tests shall be submitted to the City of Northglenn at the frequency dates shown above.

Concrete delivered to the site requires both a load ticket and batch ticket.

The subgrade shall be smooth and firm, and compacted to a minimum of 95% of the Standard Proctor at -2% to +1% of the optimum moisture content as determined by AASHTO T-99. Class 6 road base shall be compacted to a minimum of 95% of the Modified Proctor at -1% to +1% of optimum moisture content as determined by AASHTO T-180.

The surface of the subgrade shall be wetted immediately prior to the placement of the fresh concrete.

The maximum allowable time for concrete loads shall be 90 minutes from time of batching when the air temperature is below 85 degrees, and a maximum of 60 minutes from the time of batching when the air temperature exceeds 85 degrees.

During the finishing process, **no water** may be added to the surface to aid in finishing the freshly placed concrete.

Control joints shall be cut at 10 foot maximum intervals. Expansion material shall be placed every 100 feet.

Immediately after the concrete surface receives the broomed finish, an application of white pigmented impervious curing compound shall be applied to the surface.

When concrete is being placed during cold weather and the air temperature *may* be expected to fall below 35 degrees F., the concrete surface shall be maintained at a temperature of not less than 50 degrees F. for at least 72 hours after placing, and not less than 40 degrees F. for the remaining portion of the seven (7) day curing period.

For more information call 303-450-8984

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