

TIP #: I-5143
Date: December 15, 2009
Revised Date:

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Maintain traffic in accordance with Divisions 10 and 11 of the July 2006 NCDOT Standard Specifications for Roads and Structures & July 2006 Roadway Standard Drawings (RSD) and the following provisions:

Coordinate with the NCDOT Resident Engineer in charge of any project in the vicinity of this project for any work that may affect the construction and the Traffic Control of this project.

Perform work only when weather and visibility conditions allow safe operations as directed by the Engineer.

Provide appropriate lighting in accordance with Section 105-14, Standard Specifications for Roads and Structures.

Operate equipment and conduct operations in the same direction as the flow of traffic. Do not cross medians with equipment, except at properly designated interchanges.

Use lane closures for either right or left lanes with on-ramp signing, as required, (refer to Roadway Standard Drawings No. 1101.02, Sheets 3, 6 & 7 of 9), or temporary shoulder closures (refer to Roadway Standard Drawings No. 1101.04, sheet 1 of 1). Maintain the existing traffic pattern at all times, except in the immediate work zone where lane closures are allowed as determined by the Engineer.

Changes may be required when physical dimensions in the Roadway Standard Drawings are not attainable to meet field conditions, or result in duplicate, or undesired overlapping of devices, modifications may include: moving, supplementing, covering or removal of devices, as directed by the Engineer.

The following General Notes apply at all time for the duration of the construction project except as directed by the Engineer.

Time Restrictions

A) Do not close or narrow travel lanes as follows:

<u>Road Name</u>	<u>Day and Time Restrictions</u>
1. I-40 and All Ramp & Loops	6:00 A.M. to 9:00 A.M., & 4:00 P.M. to 7:00 P.M., Monday thru Friday, and 7:00 P.M. Friday thru 6:00 A.M. Monday

B) Do not close or narrow travel lanes during holidays and special events as follows:

Road Name

1. I-40 and All Ramps & Loops

Holiday

1. For any unexpected occurrence that create unusually high traffic volumes, as directed by the Engineer.
2. For New Year's, between the hours of 6:00 A.M. December 31st to 7:00 P.M. January 2nd. If New Year's Day is on Friday, Saturday, Sunday or Monday then until 7:00 P.M. the following Tuesday.
3. For Easter, between the hours of 6:00 A.M. Thursday and 7:00 P.M. Monday.
4. For Memorial Day, between the hours of 6:00 A.M. Friday to 7:00 P.M. Tuesday.
5. For Independence Day, between the hours of 6:00 A.M. the day before Independence Day and the 7:00 P.M. the day after Independence Day. If Independence Day is on a Friday, Saturday, Sunday, or Monday then between the hours of 6:00 A.M. the Thursday before Independence Day and 7:00 P.M. the Tuesday after Independence Day.
6. For Labor Day, between the hours of 6:00 A.M. Friday and 7:00 P.M. Tuesday.
7. For Thanksgiving Day, between the hours of 6:00 A.M. Tuesday to 7:00 P.M. Monday.
8. For Christmas, between the hours of 6:00 A.M. the Friday before the week of Christmas Day and 7:00 P.M. the following Tuesday after the week of Christmas.

C) Do not stop traffic as follows:

Road Name

Day and Time Restrictions

1. I-40 and All Ramps & Loops Never

D) Do not conduct any hauling operations against the flow of traffic of an open travelway unless the hauling operation is protected by barrier or guardrail or as directed by the engineer.

Lane and Shoulder Closure Requirements

- E) Remove lane closures devices from the lane when work is not being performed behind the lane closures or when the lane closure is no longer needed, or as directed by the Engineer.
- F) When personnel and/or equipment are working within 15 feet of an open travel lane, close the nearest open shoulder using Roadway Standard Drawing No. 1101.04 unless the work area is protected by barrier or guardrail or a lane closure is installed.
- G) When personnel and/or equipment are working on the shoulder adjacent to a divided facility and within 10 feet of an open travel lane, close the nearest open travel lane using Roadway Standard Drawing No. 1101.02 unless the work area is protected by barrier or guardrail.
- H) When personnel and/or equipment are working within a lane of travel of an undivided or divided facility, close the lane according to the traffic control plans, Roadway Standard Drawings or as directed by the Engineer. Conduct the work so that all personnel and/or equipment remain within the closed travel lane.
- I) Do not work simultaneously within 15 feet on both sides of an open travelway, ramp or loop within the same location unless protected with guardrail or barrier.

Traffic Pattern Alterations

- J) Notify the Engineer twenty one (21) calendar days prior to any traffic pattern alteration.

Signing

- K) Ensure all necessary signing is in place prior to altering any traffic pattern.

Traffic Barrier

- L) When utilizing directional bore pits that will remain open over night and are within 30 feet of an open travel lane, and not protected by either permanent barrier or guardrail, install temporary Barrier (minimum length 100 feet and a minimum off-set 5 feet from the travel lane) and proceed in a continuous manner to complete the proposed work in that location as directed by the Engineer.

Install temporary barrier with the traffic flow, beginning with the upstream side of traffic and remove the temporary barrier against the flow of traffic beginning with the downstream side of traffic.

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M) Protect the approach end of Portable Concrete Barrier at all times from oncoming traffic by either a Truck Mounted Impact Attenuator (maximum of 72 hours) or a Temporary Crash Cushion unless the approach end of the barrier is off-set from oncoming traffic as follows:

<u>Posted Speed Limit</u>	<u>Minimum Offset</u>
40 or Less	15 feet
45-50	20 feet
55	25 feet
60 MPH or HIGHER	30 feet

Traffic Control Devices

N) Space channelizing devices in work areas no greater in feet than twice the posted speed limit (MPH), except 10 feet on-center in radii, and 3 feet off the edge of an open travelway, when lane closures are not in effect. When skinny drums are allowed refer to section 1180 of Standard Specifications for Roads and Structures or as shown in the plans.

Miscellaneous

O) Law Enforcement may be used to maintain traffic through the work area and/or intersections, as directed by the Engineer.

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TRAFFIC CONTROL (LUMP SUM)

The Contractor shall provide all traffic control for this project in accordance with the July 2006 NCDOT Roadway Standard Drawings (RSD) & Standard Specifications for Roads and Structures. The Contractor shall maintain traffic during construction and furnish, install, remove, secure, & maintain all traffic control devices.

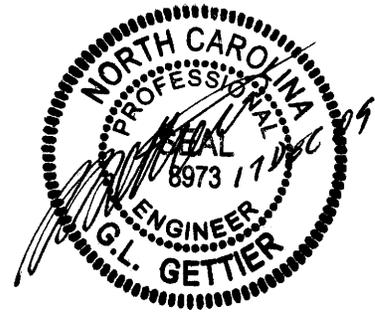
The Lump Sum bid price for Traffic Control as required in this contract, as shown in the Roadway Standard Drawings or as directed by the Engineer includes, but is not limited to providing Signs (portable), Truck Mounted Impact Attenuators (TMIA), Temporary Crash Cushions (TCC), Changeable Messages Signs (CMS), Flashing Arrow Panels (FAP), Drums, Skinny Drums, Portable Concrete Barrier, Law Enforcement, and Portable Lighting.

Payment will be made under:

Pay Item
Traffic Control

Pay Unit
Lump Sum

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Law Enforcement:

Description

Furnish Law Enforcement Officers and marked Law Enforcement vehicles to direct traffic in accordance with the contract.

Construction Methods

Use uniformed Law Enforcement Officers and marked Law Enforcement vehicles equipped with blue lights mounted on top of the vehicle, and Law Enforcement vehicle emblems to direct or control traffic as required by the plans or by the Engineer.

Measurement and Payment

There will be no direct payment for uniformed Law Enforcement Officers and marked Law Enforcement vehicles as they are included in the Traffic Control Lump Sum pay item.