

TIP #: U-5195
WBS #: 45309.1.1
Date: October 29, 2009
Revised Date:

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TRAFFIC CONTROL:

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 and off-ramp signing, as required, (refer to Roadway Standard Drawings No. 1101.02, Sheet 3, 6, & 7 of 9). Use temporary shoulder closures, as required (refer to Roadway Standard Drawing No. 1101.04, sheet 1 of 1). Use rolling road block operations for temporary road closures (refer to Roadway Standard Drawings No. 1101.03, sheet 9 of 9). Maintain the existing traffic pattern at all times, except in the immediate work zone where lane closures and road 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 times 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	Monday thru Friday from 6:00 A.M. to 9:00 P.M.
2. I-40 Bus.	and
3. US 421	Saturday and Sunday from 10:00 A.M. to 9:00 P.M.
4. US 52	or as directed by the Engineer

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

Road Name

1. I-40
2. I-40 Bus.
3. US 421
4. US 52

Holiday

1. For any unexpected occurrence that creates 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 9:00 P.M. January 2nd. If New Year's Day is on Friday, Saturday, Sunday or Monday then until 9:00 P.M. the following Tuesday.
3. For Easter, between the hours of 6:00 A.M. Thursday and 9:00 P.M. Monday.
4. For Memorial Day, between the hours of 6:00 A.M. Friday to 9:00 P.M. Tuesday.
5. For Independence Day, between the hours of 6:00 A.M. the day before Independence Day and the 9:00 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 9:00 P.M. the Tuesday after Independence Day.
6. For Labor Day, between the hours of 6:00 A.M. Friday and 9:00 P.M. Tuesday.
7. For Thanksgiving Day, between the hours of 6:00 A.M. Tuesday to 9:00 P.M. Monday.
8. For Christmas, between the hours of 6:00 A.M. the Friday before the week of Christmas Day and 9:00 P.M. the following Tuesday after the week of Christmas.
9. For the Winston Salem Air Show held during the first or second weekend of September, as directed by the Engineer.
10. For the Wake Forest home football games, as directed by the Engineer.
11. For the Winston Salem State Homecoming Football Game, as directed by the Engineer.
12. For the Dixie Classic Fair during the first week of October, as directed by the Engineer.

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13. For the Tanglewood Festival of Lights held November thru January, as directed by the Engineer.

C) Do not stop traffic as follows (Utilize Rolling Road Block, RSD 1101.03, sheet 9 of 9, and it is recommended that the Contractor use Law Enforcement and IMAP to assist in safely stopping traffic.):

<u>Road Name</u>	<u>Day and Time Restrictions</u>	<u>Durations and Operations</u>
1. I-40	Monday thru Sunday	30 minutes for removal &
2. I-40 Bus.	from 4:00 A.M. to 1:00 A.M.	installation of DMSs & other
3. US 421	or as directed by the Engineer	operations as directed by the
4. US 52		Engineer

Lane and Shoulder Closure Requirements

- D) Remove lane closure devices from the lane when work is not being performed behind the lane closure or when the lane closure is no longer needed, or as directed by the Engineer.
- E) 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.
- F) 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.
- G) 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.

Traffic Pattern Alterations

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

Signing

- I) Provide permanent signing.
- J) Provide signing and devices required to close the road according to the Roadway Standard Drawings and Traffic Control Plans.
- K) Cover or remove all signs and devices required to close the road when road closure is not in operation.

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

Traffic Control Devices

M) 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 travel way 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

N) 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) & July 2006 NCDOT 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 Work Zone Signs (portable), Truck Mounted Impact Attenuators (TMIA), Changeable Messages Signs (CMS), Flashing Arrow Panels (FAP), Drums, Skinny Drums, Pilot/Chase Vehicles, Law Enforcement, and Portable Lighting.

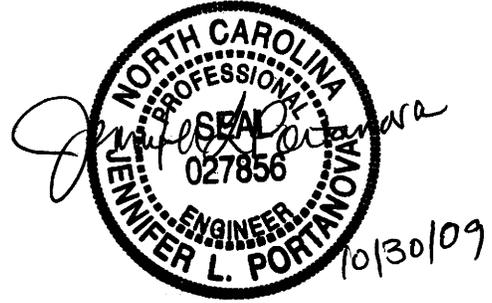
Payment will be made under:

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. A minimum of four hours of Law Enforcement is required if using local police.