

ROADWAY BULLETIN

NCDOT CONSTRUCTION UNIT



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Traffic Control for Lane Closures on Multilane Roadways

The following requirements apply to all multilane lane closures:

- A **Qualified Work Zone Installer** must be on-site to oversee traffic control. A Work Zone Supervisor may fulfill this role if physically present. All other personnel must be qualified flaggers, even if flagging is not part of the operation (Spec 1101-14).
- Use **double-indicated signs** (on both left and right shoulders) unless a median or usable left shoulder is not available.
- **Portable signs** must be mounted at a minimum 5-foot height (Spec 1110-3(C); RSD 1110.02). 1-foot sign stands are permitted only on 2-lane, 2-way roadways.
- **Cones cannot be used for more than 3 consecutive days** (Spec 1135-3).
- **Do not intermix** cones, skinny drums, and drums within the same taper or tangent section. However, you may use different devices in the taper versus the tangent (e.g., drums in taper, skinny drums in tangent).
- On roadways **<45 mph**:
 - TMA and PCMS are optional.
 - Cones or skinny drums may be used in tapers (20 ft) and tangents (40).
 - Drums may be used with spacing per Spec 1130-3.
- On roadways **≥45 mph**:
 - TMA and PCMS are required (PCMS may be omitted in urban/suburban curb-and-gutter situations).
 - Drums required in tapers (spaced at speed limit in feet).
 - Skinny drums or cones may be used in tangents at 80 ft spacing.
 - Drums may also be used in tangents, spaced at 2× speed limit (ft).
- On roadways **≥60 mph**:
 - An **additional advanced arrow board and PCMS** are required.

In This Issue:

1. Traffic Control
2. Unclassified Excavation Final Quantities
3. Supplemental Agreement Checklist

[Click here for previous bulletins](#)



Refer to Roadway Standard Drawings (RSDs) and Standard Specifications for full requirements.

Unclassified Excavation Final Quantities



When using the Photogrammetry Unit for final measurement of Unclassified Excavation, it is important to remember that flights often take place after paving and shoulder work have been completed. Because Unclassified Excavation is measured to the subgrade elevation, the volumes associated with the pavement structure, such as stone base and asphalt layers, and shoulder construction above subgrade may not be included in the photogrammetry totals.

In such cases, the Earthwork Summary in the project plans should be consulted for estimated pavement and shoulder volumes. If these estimates are not available in the summary, the Roadway Design Unit can assist with calculating them. Additionally, the Final Earthwork Pay Quantity Survey Report provided by the Photogrammetry Unit should be carefully reviewed to ensure it accurately reflects field conditions. If any discrepancies are identified, coordinate directly with the Photogrammetry Unit to request necessary revisions.

Supplemental Agreement Checklist / Document Sets

Construction Home

Contract Administration Dashboard

Project Site

→ Submittal Dropoff

→ Weekly Project Report - RESTRICTED

→ Materials Received Report (MRR)

→ Inspector's Daily Report - RESTRICTED

→ Project Contractors

→ Project Contacts

→ Project Calendar

→ Create Supplemental Agreement Checklist

→ Approve As Builts

→ Project Info

Preconstruction site U-5808

Pay Records - RESTRICTED

To improve consistency and organization, all **Supplemental Agreement (SA) documentation** should be uploaded to SharePoint using a **Document Set** for each individual Supplemental Agreement.

Using Document Sets ensures all related documents are grouped together and easily accessible for review and auditing.

Supplemental Agreement Checklist

The Supplemental Agreement Checklist must be completed in conjunction with the execution of a Supplemental Agreement.

1. Link to Document Set *

Create New Document Set

Go to Supplemental Agreements Folder

There are no Document Sets available for Supplement Agreements, you must create one.

Recommended Steps:

1. In the project’s **Supplemental Agreements** folder in SharePoint, select “**Create Supplemental Agreement Checklist.**”
2. Then choose “**Create New Document Set**” and give the set a clear, descriptive name (e.g., *SA 05 – Additional Drainage Work*).
3. Complete the required **Supplemental Agreement Checklist** when prompted.

After Execution:

Once the SA has been executed, upload the following to the corresponding Document Set:

- **Executed Supplemental Agreement**
- **Pricing Review Documentation**
- **Budget Management Documentation** (if the SA results in an increase to the total project cost)

Following this process keeps SA records organized, traceable, and compliant with NCDOT documentation standards.

If you have any questions on these topics, please reach out to your respective **Area Construction Engineer**.

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Have suggestions for future bulletins? Email: [Brian Skeens](#) or [Liam Shannon](#)