

Forms

# STRUCTURE BULLETIN

## NCDOT Construction Unit

[Website](#) [email](#)



### Current Issues: Covid Ticket Tracking

In the age of social distancing, the Department has created a procedure for accepting tickets on the job site. A video explaining the new procedure can be found [Here](#). These measures are being taken to temporarily eliminate the need for the inspector to take physical possession of the tickets during the pour. Also, don't handle the hose on the concrete truck. You can still use the water from the truck, just let the driver fill the bucket for you or spray off your equipment.

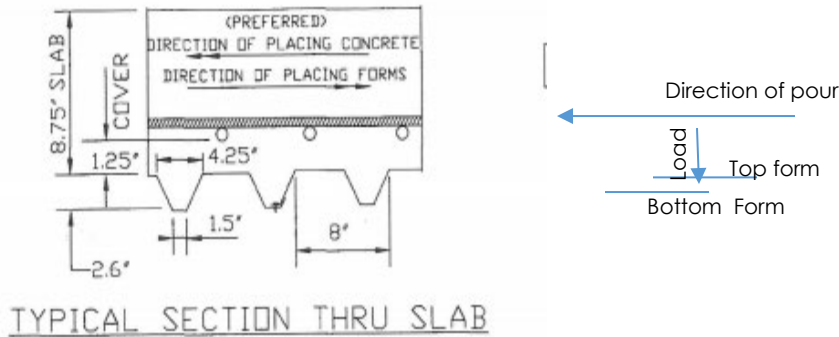
The spreadsheets referenced in the videos can be found on the [Construction Resources SharePoint site](#). Additionally at this location you will find a PDF of the [procedure](#) to be used and an electronic version of the NCDOT 250 & 903 form. If a producer wants to use this form and email it to the inspector, they must first request permission to do so and ensure that the inspector has cell service at the job site. If the electronic 903 form is used, the summary sheet does not need to be filled out unless the inspector chooses to. The last tab in this spreadsheet contains all the mortar and curve correction information normally found on the back of the 903 form.

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### Concrete Wearing Surfaces:

Cored slab or box beam bridges with concrete wearing surface can present difficulties in setting up the screed. One option commonly requested by contractors is to leave a strip out on either side of the bridge to provide a place for the screed rail. This has been allowed in the past, but forethought about where to place the joint is required. The joint should not end up too close to the gutter line or on top of the joint between the two exterior slabs. In the center of the second slab is probably the most desirable location. Additionally, the contractor should not be allowed to drill into the slabs to attach the side form. Expansion anchors or wire and nails should not be allowed. If the contractor wants to use a construction joint, the placement and method of attaching side forms should be discussed with the Engineer.

# Pour Sequences and SIP Forms:



SIP form submittals will normally have a detail similar to the one above. Notice the forms are to be installed in the opposite direction of the pour. The intent of this is so the form on top of the lap is loaded first, pressing the top form down on the bottom one, which will minimize grout leakage between the forms. If the order were reversed the form on bottom would be loaded first and would try to pull away from the top form, creating a greater potential for leaks. There are some cases where the pour direction may be changed in the field due to plan errors or other constraints. If the SIP decking has already been placed, then the lap will likely be wrong. Section 420-3(D)2 of the Standard Specifications states that the lap should be securely fastened by screws no less than 18" apart. In such cases I would recommend installing additional screws in the lap to compensate, possibly halving the minimum spacing.

## Area Construction Engineers:

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1&2	<a href="#">Randy Hall</a>	282-402-9957
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7	<a href="#">Aaron Griffith</a>	336-215-9170
9	<a href="#">Vickie Davis</a>	704-202-0945
10	<a href="#">Darin Waller</a>	980-521-5176
11&12	<a href="#">Doug Eller</a>	336-877-7048
13&14	<a href="#">Aaron Powell</a>	828-694-7971

## Videos:

New video available: [COVID19 Concrete Ticketing Procedures](#) has been uploaded to the NCDOT [Construction Projects Home](#) site. You will also find [COVID19 Trucking Ticket Procedures](#) for Asphalt and aggregate items on the same page.

Inspection training videos can be found on the [Construction Unit YouTube playlist](#).

## Training:

[Structure Bulletins](#) are now archived on the [Construction Unit](#) website under [Construction Resources](#).

If you have a topic you would like to see addressed in a future edition of the Structure Bulletin, please [email](#) us at either [acochran@ncdot.gov](mailto:acochran@ncdot.gov) or [aeerwood@ncdot.gov](mailto:aeerwood@ncdot.gov)