

FORMS

STRUCTURE BULLETIN

NCDOT Construction Unit

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



Current Issues: Storage of Metallized Materials

Metallized material that is stored in the field for an extended period of time must be stored on a surface that does not absorb water. If it is stored directly on wood/timber, the ground, or foam material the metallized surface will corrode and need to be repaired. There are currently very few vendors that metallize in the field and the service is very expensive. Additionally, repairs with zinc rich paint are far less desirable than metallization. Please make a habit of checking these parts for proper storage on the job site.

Examples of materials stored on timber:



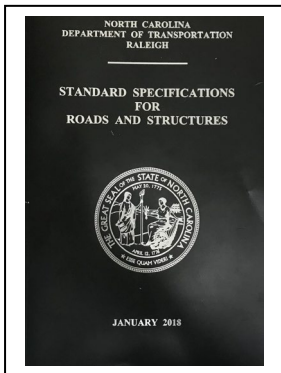
Proper storage with vinyl strips between timber and metallized surface:



1. Current Issues
2. Updates
3. Specification Questions
4. Training

Updates:

The Introduction to Structure Inspection class is wrapping up this month. After that we will be revising the online test in the LMS. When this is done you will be able to take the test and receive credit for the training. We will post the information when the revision is complete in the Structure Bulletin.



Specification Questions:

Who Approves Demolition Plans?

Section 402 of the Standard Specifications deals with Removal of Existing Structures. It instructs the contractor to submit a demolition plan to the engineer. The Construction Manual states that the Resident should review the plan and forward it to the Area Construction Engineer for review and approval. Normally there is no need to involve SMU with this submittal. There are cases where it may be prudent to get their input. If the contractor is placing loads on part of a structure to be retained for public traffic they would need to submit information in accordance with Section 420-20 in the Construction Manual.

Additionally, if the partial demolition of the bridge makes it necessary for the contractor to make modifications to the retained structure, such as adding diaphragms or bracing, the SMU should be consulted.

If you have any questions on a demolition plan, or the demolition is complicated, contact the Area Construction Engineer or the Regional Bridge Construction Engineer.

Area Construction Engineers:

Div	Contact	Phone
1&2	Randy Hall	282-402-9957
3&4	David Candela	910-524-4931
5	Troy Brooks	336-972-4627
6&8	John Partin	336-847-1226
7	Aaron Griffith	336-215-9170
9	Vickie Davis	704-202-0945
10	Darin Waller	980-521-5176
11&12	Doug Eller	336-877-7048
13&14	Aaron Powell	828-694-7971

New Videos:

New videos have been added to the [Construction Unit YouTube playlist](#).

- [Substructure Rehabilitation Part 2](#)
- [Substructure Rehabilitation Part 3](#)
- [Substructure Rehabilitation Part 4](#)
- [Superstructure Rehabilitation - Surface Preparation](#)
- [Superstructure Rehabilitation - Silane Overlay](#)
- [Superstructure Rehabilitation - epoxy overlays](#)

Training:

Structure Inspector Training is now underway. It covers introductory level material designed for those with limited structure related experience. Details are still being worked out, so check back to see the schedule. Additionally, the CON 802 Basic Structure Inspection class has been revised as a companion to the class. [It can be found here.](#)

Structure Bulletins

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

Below is a QR code link to the Structure Bulletin Archive.



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 or aeerwood@ncdot.gov