

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION MATERIALS AND TESTS UNIT, CHEMICAL LABORATORY



1801 Blue Ridge Road, Raleigh, NC 27607

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BRIDGE COATING INSPECTION, LEVEL I **COURSE DESCRIPTION**

The purpose of this class is to prepare Project Engineers and Inspectors for field coatings inspection projects on North Carolina Bridges. This course is designed to highlight and emphasize the requirements of the NCDOT *Standards Specifications* and or Project Special Provisions.

This class will provide students with a basic understanding of the corrosion process on bridge structures, illustrate the differences between the Contractor's Quality Control and the Department's Quality Assurance inspection and then students will be presented with a top down overview of the project sequence to include the pre-construction meeting. Students then will be introduced to project specific topics that include: hazardous coating removal, safety, surface preparation, coating application and combination of instruction with the hands training on equipment they will use and or witness the Contractor use during a field painting project.

Each student will receive a manual with the power point presentations and all inclusive reference manual that includes the Project Special Provisions, NCDOT Standard Specifications, ASTM test methods and standard coating industry specifications.

COURSE SCHEDULE

Newly revised two day course. This course is now offering 10 pdh credits towards your P.E. or other professional license. Make sure you include your license number on the application.

<u>DAY 1</u>	<u>Day 2</u>
Module 1- Introduction	Module 7- Coating Application
Module 2- Corrosion 101	Module 8- Inspection
Module 3- Quality Control/ Quality Assurance	Module 9- Coating Inspection Checklist
Module 4- Hazardous Coating Removal	
Module 5- Safety	
Module 6- Surface Preparation	

COURSE REGISTRATION

Navigate your browser to the Materials and Tests Website:

<https://connect.ncdot.gov/resources/materials/Pages/default.aspx>

Look for link to "Training Schools" where you will see Bridge Coatings Inspection Level I

Look for "Training Schedule"

Select the class date and fill out the application information. Once completed the form will be sent automatically to our Service Seat priorities will be given to NCDOT personnel and then Consulting Engineering Firms who are under a current contract to perform field bridge coating inspection for NCDOT.

COURSE FEE

NCDOT CLASS APPLICATIONS

The cost of the class is \$150.00 per student which is billed to your Division cost center.

PRIVATE/CEI INSPECTION FIRM APPLICATIONS

Course fee is \$150.00 (non-refundable). Send a check payable to "NCDOT-Materials & Tests Unit". Companies may send one

All applications and checks must be received two (2) weeks prior to class to:

NCDOT Materials and Tests Unit
State Structural Materials Engineer
Mr. Brian Hunter, P.E.
1801 Blue Ridge Road
Raleigh, NC 27607
Attn: Bridge Coating Class Application