

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Materials & Tests Unit, Metals Sub-Section

“Field Welding Inspection Class” Description

The purpose of this class is to familiarize project personnel with NCDOT and American Welding Society (AWS) specifications that pertain to field welding on bridges and other structures and assemblies.

The following teaching goals will be targeted:

- 1) Pre-construction meeting issues that pertain to welding.
- 2) What you need to know when a contract welder arrives on your project.
- 3) Understanding an approved welding procedure.
- 4) Inspection before, during and after welding?
- 5) Identify weld defects and understand how they need to be repaired.
- 6) What are approved electrodes and how do they need to be stored?
- 7) Other AWS concerns that pertain to NCDOT field welding.

Each student will receive a reference manual and various supplemental documents. Completion of the 1 day class and a passing score on the test will result in a “Field Welding Inspection” certificate and a certification that is presented by NCDOT Materials & Tests Unit that will be effective for 5 years. Professional Engineers will receive 5.25 **Professional Development Hours** (pending completion and submission of pertinent documents that are provided during the class).

Class Outline

Time	Activity Description
8:00 to 9:45	Pre-con issues, contract welder concerns, welding procedures
9:45 to 10:00	Break
10:00 to 11:45	Welding inspection, weld defects, repairing welds
11:45 to 12:45	Lunch
12:45 to 2:30	Welding electrodes, other code concerns, hands-on inspection
2:30 to 2:45	Break
2:45 to 4:00	Class summary & questions, take test, grade test, adjourn

Class Registration

The link on the class date will take you to the class schedule and RegOnline application form:

The application will be automatically sent to the Welding Engineer. Seat priorities will be given to NCDOT personnel.

Class Fee

The cost of the class is \$50 per student.

Students employed with NCDOT will be billed via your Division/Unit cost center.

Students who are NOT employed by NCDOT may pay by check or money order. Applications are arranged through RegOnline. Checks and money orders must be received 2 weeks prior to the class date and made payable to “North Carolina Department of Transportation. Send your check or money order to:

Attn: Eddie Shelar, Welding Engineer
NCDOT Materials & Tests Unit
121 Shields Park Drive, Suite E
Kernersville, NC 27284