

Welding Certifications

A welder must have a Steel Structures Welding Certification before working on field splices of beams and girders or other structural steel connections. A welder must be qualified before making the miscellaneous welds described in Texas' 2004 *Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges*, Item 448.

Steel Structures Welding Certification	<p>A certified welder has passed the AWS D1.5 <i>Bridge Welding Code</i> qualification outlined in Texas' 2004 <i>Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges</i>, Article 448.4.B.2, "Certified Steel Structures Welder," available on the internet at: http://www.dot.state.tx.us/business/specifications.htm.</p> <p>Welders certified under TxDOT Construction Bulletin C-6, "Qualification of Welders for Field Welding," (no longer in print) meet requirements in the 2004 specifications.</p> <p>All welding for certification must be performed in the presence of testing lab personnel. The welder is responsible for all costs associated with testing required for certification. The certification remains in effect as long as the welder performs acceptable work for TxDOT as determined by the Bridge Division.</p>
Miscellaneous Welding Qualification	<p>A qualified welder is an experienced welder who is capable of making welds of sound quality but does not have TxDOT certification. A qualified welder must pass a job-site Miscellaneous Weld Qualification Test before welding. See Texas' 2004 <i>Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges</i>, Article 448.4.B.1.b, available on the internet at: http://www.dot.state.tx.us/business/specifications.htm.</p>
Additional Information	<p>For more information, contact: Brian D. Merrill, P.E. TxDOT – Bridge Division Construction & Maintenance Branch 125 East 11th Street Austin, TX 78701 512-416-2232 bmerrill@dot.state.tx.us</p>
Testing Laboratories	<p>TxDOT does not maintain a list of approved testing laboratories, which must have a Certified Welding Inspector (CWI) and an American Society for Nondestructive Testing (ASNT) Level II Examiner available to perform tests and interpret results. TxDOT is the final authority in case of disagreement between the testing lab and TxDOT. Send all test results to the address listed above. TxDOT reserves the right to refuse to accept certification test results from laboratories that have not performed up to the standards of AWS and ASNT. In such cases, TxDOT may perform an audit of the testing laboratory to determine its acceptance.</p>