

WELDER QUALIFICATION FIELD DATA REPORT

To be completed by a MDOT representative and submitted to the testing lab along with the test coupon, material test reports and associated weld procedure.

GENERAL INFORMATION			
INSPECTOR / AGENCY		DATE	
TESTING OF		MDOT ID	
INITIAL OR RETEST?		JOB NUMBER	
WELDER IDENTIFICATION			
WELDER NAME		COMPANY	
WELDER EMAIL		ADDRESS	
IDENTIFYING MARKS	CITY	STATE	ZIP
SAMPLE INFORMATION		WELDING INFORMATION	
WELDING LOCATION	MACHINE NAME		
WELDING PROCESS	TYPE OF ARC	FILLET SIZE	
WELDING POSITION	CURRENT / POLARITY		
WELDING METHOD	AMPERAGE		
BASE METAL	VOLTAGE		
BASE METAL ASTM / GR	PREHEAT TEMP (°F)		
BASE METAL THICKNESS (in)	ATMOSPHERIC TEMP (°F)		
SOURCE OF BASE METAL	TRAVEL SPEED (IPM)		
FILLER METAL SPECIFICATION	WIRE CONSUMING SPEED (IPM)		
FILLER METAL CLASSIFICATION	INTERPASS TEMP (°F)		
ELECTRODE DIAMETER	NUMBER OF PASSES		
FLUX TYPE	CLEANING METHOD		
TEST SPECIFICATION			
TESTING REQUIRED			
COMMENTS			

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GENERAL INSTRUCTIONS

1. Welder qualification testing must be in accordance with the American Welding Society (AWS) D1.1, *Structural Welding Code – Steel*, AASHTO/AWS D1.5, *Bridge Welding Code* or AWS D1.2, *Structural Welding Code – Aluminum* based on the type of work being performed.
2. Position for fillet and groove testing must be according to the code except the axis must not be inclined and face must not be rotated. Although AWS D1.5 does not allow the use of mechanical devices, MDOT will allow the use of a wire wheel.
3. All field measurements must be actual measurements observed during the welding of the test plate. If measurements are not observed, “N/R” (not recorded) must be entered into the form field. Information must not be copied directly from the weld procedure specification for the purpose of filling out this form.
4. This form must be combined with the CMTR’s and associated weld procedure and shipped with the associated test plate to the testing laboratory.
5. Prior to sending the test plate to the testing laboratory, the witnessing inspector must perform visual testing (VT) inspection on the test plates ensuring the test plates meet specifications. Test plates that do not pass this VT must not be sent to the testing lab for additional testing.
6. Witnessing inspector may allow a welder to retest immediately, without MDOT approval, if the weld defect is the result of something outside of the welder’s control (i.e. welding machine power failure). All other retests must be approved by the MDOT Structural Fabrication Unit.
7. Delivering the test plates to the testing laboratory, and any associated shipping cost, is the responsibility of the fabricator/contractor. Please contact the MDOT Structural Fabrication Unit (MDOT-StructuralFabrication@Michigan.gov) for the testing laboratory address.
8. For more information see the [MDOT Welder Qualification Program](#).