

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
MATERIALS CONTROL, SOILS AND TESTING DIVISION

MATERIALS PROCEDURE

PREPARING, RECORDING AND TRANSMITTING INFORMATION
ON APPROVED LIST OF WELDED STUD SHEAR CONNECTORS

1. PURPOSE

- 1.1 To establish a system whereby manufacturers may prequalify their welded stud shear connectors for use on projects.
 - 1.2 To establish a procedure for maintaining a record of such information.
 - 1.3 To establish a procedure for transmitting such information to the Districts and to the Contractor on projects.
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2. SCOPE

- 2.1 Certified test reports.
 - 2.2 Valid age of tests.
 - 2.3 Record keeping.
 - 2.4 Transmittal of information.
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3. REFERENCED DOCUMENTS

- 3.1 American Welding Society D1.5 Bridge Welding Code
 - 3.2 Materials Procedure 106.00.02 - Procedure for Evaluating Products/Processes for Use in Highway Construction.
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4. PROCEDURE

- 4.1 Certified test reports.
 - 4.1.1 The manufacturer shall furnish certified copies of test reports to the Materials Control Soils and Testing Division (MCS&T).
- 4.2 Valid Age of Tests
 - 4.2.1 The tests submitted shall be valid until such time as the manufacturer makes any change in the base stud, the flux, or the arc shield, which may affect the welding characteristics.
 - 4.2.2 The manufacturer may submit certified reports of tests at any time.

- 4.2.3 The manufacturer may request removal of his name from the approved list at any time.
- 4.3 Record Keeping
 - 4.3.1 As certified reports of tests are received, they shall be reviewed, and the approved manufacturer's name listed and filed together with the test data. A separate file shall be kept of those failing to qualify for the approved list, together with the reason for failure.
- 4.4 Transmittal of Information
 - 4.4.1 As soon as a manufacturer has been placed on the approved list this information shall be promptly sent to all District Materials Supervisors.
 - 4.4.2 Additions to or deletions from the list shall immediately be sent to all District Materials Supervisors who in turn shall notify any Contractors using such materials.
 - 4.4.3 This approved list of manufacturers of welded stud shear connectors shall be available to all Contractors on projects by navigating to the [WVDOH MCS&T Webpage](#)¹.

Michael Mance

Digitally signed by Michael Mance
Date: 2024.08.01 14:14:07 -04'00'

Michael A. Mance, P.E.
Interim Director
Materials Control, Soils & Testing Division

MP 615.20.01 Steward – Metals Section
MM:H

¹ https://transportation.wv.gov/highways/mcst/Pages/APL_By_Number.aspx