

ITEM 564.9203--25 - ULTRASONIC INSPECTION OF PINS IN PIN AND HANGER CONNECTIONS

1. DESCRIPTION:

- 1.01 Under this Item the Contractor shall provide the services of a N.Y.S. Certified Ultrasonic Technician to inspect the pins in the pin and hanger connections on this structure using an ultrasonic inspection procedure developed by their company and approved by the New York State Thruway Authority. For additional information and guidance in performing this work see the Federal Highway Administration's Guidelines for Ultrasonic Inspection of Hanger Pins, PUBLICATION NO. FHWA-HRT-04-042 JULY 2004. This publication is available on the internet at:

<http://www.fhrc.gov/infrastructure/nde/pubs/04042/04042.pdf>

The Contractor shall provide access and necessary working platforms in accordance with O.S.H.A. standards at each of the pins to be inspected.

The Contractor shall provide support services, labor, equipment and materials within the scope of the referenced inspection procedure necessary to complete the inspection.

- 1.02 Testing Firms that are known to employ N.Y.S. Certified Ultrasonic Technicians are:

Able Testing and Inspection
P.O. Box 158
Howes Cave, NY 12092
Phone: [REDACTED]

Baker Testing Services, Inc.
22 Reservoir Park Drive, Unit 1
Rockland, MA 02370
Phone: [REDACTED]

TEI Analytical Services
PO Box 534
35 West Point Road
Washington, PA 15301
Phone: [REDACTED]

2. MATERIALS:

- 2.01 None Specified

3. CONSTRUCTION DETAILS:

- 3.01 Discontinuities found as a result of visual inspection or nondestructive testing should be located, evaluated and reported in accordance with the appropriate sections of the NYSSCM upon completion of the inspection. Indications of cracks must also be reported to the Engineer immediately. Two copies of the written report must be submitted to the Engineer.
- 3.02 Each location must be prepared for testing and repainted as described in the plans.

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3. CONSTRUCTION DETAILS: (cont'd)

- 3.03 If discontinuities are found, they shall be repaired only if deemed necessary by the Chief Engineer. All costs directly attributable to such a repair, if necessary, shall be paid for under the provisions of Subsection 109-05 of the Standard Specifications.
- 3.04 **WITNESSING OF ULTRASONIC TESTS:** All ultrasonic inspection shall be witnessed by a representative of the Authority.
- 3.05 **PREPARATION AND DISPOSITION OF REPORTS:** A test report shall be prepared for each piece subject to inspection. The report shall be prepared by the technician performing the test and shall contain sufficient information to identify the piece, or area inspected, the name of the technician (signature) and the name of the Engineer or his designated representative witnessing the work. All indications of discontinuities shall be recorded in the test report. The contract number and date of test shall be listed on each report.

A complete set of written test reports must be delivered to the Engineer upon completion of the work.

4. METHOD OF MEASUREMENT:

- 4.01 Measurement shall be made on an each location basis.

5. BASIS OF PAYMENT:

- 5.01 The basis of payment shall include the cost of furnishing all labor, materials, and equipment necessary to complete the work, and issuance of written test reports to the Engineer.