

# **REINFORCING STEEL AND WIRE**

## **GENERAL**

This evaluation procedure outlines the Department's approval process for Reinforcing Steel and Wire Manufacturers.

## **BACKGROUND**

TDOT will use the AASHTO Product Evaluation and Audit Solutions audit program in its approval process for Reinforcing Steel and Wire Producers. These include producers of:

- Reinforcing steel bar
- Seven-wire steel strand for prestressed concrete
- Stainless steel reinforcing bar
- Welded wire reinforcement
- Wire

Reinforcing Steel and Wire Producers must undergo auditing and testing in the AASHTO Product Evaluation of Reinforcing Steel and Wire Manufacturers program. This is to ensure that the manufacturing facility complies with the quality control provisions of their Quality Program and product testing requirements. The audit and testing program is designed to show that a Producer is capable of producing product that meets or exceeds the requirements in applicable AASHTO and ASTM Standards.

## **PROCEDURES**

Producer:

- Contacts [AASHTO Product Evaluation and Audit Solutions](#)
- Makes a formal submittal during the [submission cycle](#)
- Undergoes auditing and testing
- Submits the following to TDOT
  - Final AASHTO Audit Report
  - Formal response of corrective actions for each deficiency noted
  - AASHTO Certificate of Compliance

TDOT:

- Reviews the AASHTO audit report along with corrective actions
- Adds the Producer to the Evaluation of Reinforcing Steel and Wire Producer List if all documentation is in order

In order to remain on the Producer List, the Producer must submit the annual audit report along with deficiencies and corrective actions to TDOT.

All submittals must be sent to: [TDOT.ProductSubmittal@tn.gov](mailto:TDOT.ProductSubmittal@tn.gov)

## REFERENCES

TDOT Standard Specifications Section 604

TDOT Standard Specifications Section 907

AASHTO Designation: SP01 – Standard Practice for Qualification of Highway Product Manufacturers Through the Use of AASHTO Audits

AASHTO Product Evaluation and Audit Solutions Committee Work Plan for Evaluation of Plain and Laminated Elastomeric Bridge Bearing Manufacturers

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| AASHTO M31  | Standard Specification for Deformed and Plain Carbon and Low-Alloy Steel Bars for Concrete Reinforcement |
| AASHTO M32  | Standard Specification for Steel Wire, Plain, for Concrete Reinforcement                                 |
| AASHTO M55  | Standard Method of Test for Steel Welded Wire Reinforcement, Plain, for Concrete                         |
| AASHTO M221 | Standard Specification for Steel Welded Wire Reinforcement, Deformed, for Concrete                       |
| AASHTO M225 | Standard Specification for Steel Wire, Deformed, for Concrete Reinforcement                              |
| AASHTO M227 | Standard Specification for Steel Bars, Carbon, Merchant Quality, Mechanical Properties                   |
| AASHTO M322 | Standard Specification for Rail-Steel and Axle-Steel Deformed Bars for Concrete Reinforcement            |
| AASHTO T244 | Standard Method of Test for Mechanical Testing of Steel Products   |