

1. Scope of Work (All Source Type 1800)

1.1 Project Description

Contractor will provide on-site shop inspections of structural steel components for future unknown State bridges and structures. Inspections will be on an as-needed basis and will verify that fabrication methods and materials conform to all codes, plans, specifications, special provisions and the supplier's Quality Control Plan (QCP). The inspections will take place at State approved supplier shops as required by the State depending on project requirements.

1.2 Work Authorization

State's Project Manager will authorize each assignment, in writing via email (or via telephone and subsequently confirmed via email), when inspections are required. Authorization will identify the specific bridges and the supplier's shop. Authorization will also include an expected inspection date and maximum budget allotted. Contractor will accept work assignments only from State's Project Manager. If Contractor performs work requested by others, such work will be considered unauthorized and performed voluntarily by Contractor at risk of non-payment.

1.3 Qualifications of Inspector

1.3.1 The inspector must have access to and a working knowledge of the American Welding Society (AWS) Bridge Welding Code (D1.5-2010) or latest edition.

1.3.2 The inspector must have access to and a working knowledge of the AWS Structural Welding Code-Steel (D1.1-2010) or latest edition.

1.3.3 The inspector must be an AWS Certified Welding Inspector (CWI) as per Section 6.1.3.1 (1) of the AWS Bridge Welding Code (D1.5-2010) or latest edition, and have a minimum of 5 years experience performing bridge fabrication inspections is required.

1.3.4 For Non-Destructive Testing (NDT) witnessing, the inspector must possess, as a minimum, NDT qualifications in accordance with Section 6.1.3.4 of the Bridge Welding Code (D1.5-2010) or latest edition.

1.3.5 The inspector must have completed one of the following courses: National Association of Corrosion Engineers (NACE) 1, Steel Structures Painting Council (SSPC), or National Highway Institute (NHI); or have five years experience performing coating inspections, example paint and or galvanizing.

1.4 Scope of Inspection

1.4.1 This work consists of providing structural metals fabrication inspections of structural steel components as defined under Section 2471.3A1 of State's Standard Specifications for Construction – 2014. Inspections will verify that fabrication methods and materials conform to all codes, plans, Special Provisions, approved shop drawings, and the supplier's QCP.

1.4.2 Standard Specifications for Construction and Special Provisions can be found on the following State web sites:

- Standard Specifications: <http://www.dot.state.mn.us/tecsup/spec/index.html>
- Special Provisions: www.dot.state.mn.us/bridge

- 1.4.3 For Structural metals components not meeting above specified requirements Inspector will:
- Have components held by State's approved supplier as being "Non-Conforming"
 - Contact the State Structural Metals Inspection Unit immediately to determine the disposition of "Non-Conforming" components.
 - Have the State Approved Supplier submit a Non-Conformance Report Form in accordance with their QCP to the State's Project Manager.

1.5 Key Deliverables

- 1.5.1 Contractor will provide the following documents to the State's Structural Metals Unit within one week of the on-site inspections:
- Mill Test Reports and Purchase Orders demonstrating material traceability
 - Checklists verifying State requirements have been met
 - Shipping invoices
 - Copies of signed inspection tags
 - Copies of correspondence
 - Heat numbers per 2471.3C3
 - All Non-Destructive Examination (NDE) Reports and Radiographic Film
 - Weekly progress reports
 - Certificates of Compliance
 - Nonconformance Reports
 - Other miscellaneous documents pertaining to project
 - Galvanizer QC reports
 - Paint Shop QC reports

- 1.6 State's Project Manager has the authority to update and adjust all project schedules when necessary at progress meetings within the terms of the contract.

2. Items Provided and Completed by the State:

- 2.1 Items Provided by State:
- Copy of plan for applicable bridge project
 - Copy of State Standard Specifications for Construction
 - Copy of Special Provisions for Construction of applicable bridge
 - Stamped (approved) Shop Drawings
- 2.2 All such data furnished to Contractor, will remain the property of State and will be promptly returned upon State's request or upon the expiration or termination of this contract.
- 2.3 Contractor will analyze all such data furnished by State. If Contractor finds any such data to be incorrect or incomplete, Contractor will bring the facts to the attention of State before proceeding with the part of the project affected. State will investigate the matter, and if it finds that such data is incorrect or incomplete, it will promptly determine a method for furnishing corrected data. Delay in furnishing data will not be considered justification for an adjustment in compensation.

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