

ALABAMA DEPARTMENT OF TRANSPORTATION

General Application Special Provision

DATE: January 31, 2023

GASP No. 22-GA0029

EFFECTIVE DATE: May 1, 2023

SUBJECT: Electronic Submittals for Shop Fabrication.

Alabama Standard Specifications, 2022 Edition, SECTION 508 and SECTION 836 shall be amended as follows:

SECTION 508 STRUCTURAL STEEL AND MISCELLANEOUS METALS

508.03 Construction Requirements.

(b) Shop Fabrication.

Subarticle 508.03(b) shall be replaced by the following:

(b) Shop Fabrication.

The requirements for shop fabrication are given in Section 836.

Within 30 days after the award of the contract, the Contractor shall submit the following items to the Bridge Engineer by either e-mail (in pdf format) or hard copy:

- Name, address and location of the plant where the structural steel will be fabricated.
- A current copy of the fabricator's American Institute of Steel Construction Certification including Fracture Critical Endorsement (FC) or Sophisticated Paint Endorsement (SPE) where required.
- A written statement naming the ALDOT III-1 coating system that will be applied to the structural steel.
- Construction survey data if this is shown to be required on the plans.

E-mail submittals shall be submitted to the State Bridge Engineer at BridgeShopDwgs@dot.state.al.us. For each e-mail submittal, the subject line shall include the project number, county or counties, and type of submittal (e.g., Shop Fabrication Information).

The review of the shop drawings, and the time allowed for the review given in Section 105, will not begin until all of the required items have been received by the Bridge Engineer. Additional evidence of the fabricator's qualifications and experience shall be furnished if requested by the Bridge Engineer.

No material shall be fabricated before the Department has been notified where the fabrication order has been placed. The Fabricator is responsible for notifying the Bridge Engineer of any outsourced work to be done by another facility, the name and address of the outside source, and the proposed schedule.

Shops fabricating main structural steel members (as defined by Subarticle 836.01(b)) and/or items paid for under Pay Item 508-B (with the exception of navigational light brackets, inspection catwalks, platforms and ladders) shall be certified by the American Institute of Steel Construction. These facilities shall conform to the AISC Certification Program for Steel Bridge Fabricators for either Intermediate Bridge or Advanced Bridge depending on the complexity of the structure by design for all steel bridges. For fracture critical work, shops shall be certified for either Intermediate Bridge or Advanced Bridge with the fracture critical endorsement.

Shops fabricating expansion dams (finger joints, etc.) for interior and exterior bridge joints shall be certified by the AISC Certification Program for Bridge and Highway Metal Component Manufacturers or by the Intermediate AISC Bridge Certification program for steel bridge fabrication.

Shops producing miscellaneous steel bridge items (other than those described above) shall be qualified to do such work by placement on the ALDOT List I-9: Producers of Inlet Grates and Seats for Drainage Structures and Miscellaneous Fabricated Bridge Items.

For the purpose of ALDOT Quality Assurance inspection and scheduling a completed ALDOT Bridge Bureau Form BBF-11 shall be submitted to the Bridge Engineer stating the tentative schedule for fabrication no less than 45 days in advance of the actual fabrication of 508B pay items and no less than 7 days for 508A pay items.

SECTION 836 STRUCTURAL STEEL, FASTENERS AND MISCELLANEOUS METALS

836.46 Welds.

(c) Shop Welding.

Item 836.46(c)1 shall be replaced with the following:

1. The Contractor or his representative shall furnish to the Department a written report that shall cover the welding procedure specification (WPS) for each process and joint used in shop welding. This report shall be submitted by either e-mail (in pdf format) or two hard copies. E-mail submittals shall be submitted to the State Bridge Engineer at BridgeShopDrawings@dot.state.al.us. For each e-mail submittal, the subject line shall include the project number, county (or counties), and type of submittal (e.g., Welding Procedure Specification).