

Structural Steel Section Guidance for Local Let Projects

Structural Steel

Item 513 Material:

Pre-Letting:

Inspection of structural steel is outlined in CMS 513 and Supplement 1078. Unless there is a specific plan note requiring field inspection these materials should be inspected at the fabrication shop. The LPA needs to consider these inspection requirements and cost. Requests for assistance in fabrication inspection by The Office of Materials Management can be made to the following:

Mr. Jeff Chandler, P.E.
Office of Materials Management
Structural Welding Section
1600 West Broad Street
Columbus, Ohio 43223
614-466-4082
jeffery.chandler@dot.state.oh.us

- a) If the Structural Section schedule can accommodate the LPA request for assistance in inspection we will do so. In this scenario the material will be shipped to the project site using the TE-24 process. Items that will be needed are as follows:
 - a. One (1) set of Structure Design Plans
 - b. Two (2) sets of Contractor accepted shop drawings
 - c. LPA Contact name and e-mail address
- b) If the Structural Section schedule cannot accommodate the LPA request for assistance in inspection it will be the LPA's responsibility to ensure inspection occurs. In this scenario the steel material will be accepted at the Project level with all of the required QC and QA documentation.

Post-Letting:

1. **Fabricator Notification (C&MS 501.03):** The Contractor is required to submit written notification to the LPA of who will be fabricating the material. Check to ensure the fabricator is on the Department's pre-qualified fabricator list
<http://www.dot.state.oh.us/Divisions/ConstructionMgt/Materials/Pages/CertifiedSuppliers.aspx>
2. **Shop Drawings (CMS 501.04A):** The Contractor is required to send 4 sets of P.E. stamped drawings along with the Contractors letter of acceptance of these drawings to the LPA.
 - a. **Digital Media Archive (CMS 501.04C and Supplement 1002):** At the completion of fabrication the Contractor is required to submit a digital archive of the shop drawings to the LPA for their file
3. **Certified Test Report (CMS 501.06A):** The Contractor is required to send certified test reports along with the Contractors letter of acceptance of the materials to the LPA.

4. **Payweights (CMS 513.29):** If the job is sold on a per pound basis the Contractor is required to submit pay weight calculations for the structural steel to the LPA.

Item 516, 517, and 518 Material:

1. **Fabricator Notification (C&MS 501.03):** The Contractor is required to submit written notification to the LPA of who will be fabricating the material. Check to ensure the fabricator is on the Department's pre-qualified fabricator list
<http://www.dot.state.oh.us/Divisions/ConstructionMgt/Materials/Pages/CertifiedSuppliers.aspx>
2. **Shop Drawings (CMS 501.04B):** The Contractor and fabricator coordinate the shop drawings. No approval is needed. The Contractor is required to give two (2) sets of the shop drawings to the LPA
3. **Certified Test Report (CMS 501.06B):** The Contractor is required to submit a letter of certification for the material to the LPA.
4. **Inspection:** No inspection is required. The steel material will be shipped using the TE-24 process.

Certified Supplier Materials

The Structural Steel section is in charge of the following certified supplier materials:

- Certified Reinforcing Steel and Wire Mesh Suppliers (Supplement 1068)
- Certified Fence Suppliers (Supplement 1067)
- Certified Guardrail Suppliers (Supplement 1042)
- Certified Metal Pipe Suppliers (Supplement 1019)
- Certified Pressure Treated Lumber Suppliers (Supplement 1072)
- Certified Elastomeric Bearing Fabricators (Supplement 1081)
- Certified Light Pole and Light Tower Suppliers (Supplement 1091)
- Certified Sign Suppliers (Supplement 1092)
- Certified Sign Support Suppliers (Supplement 1093)
- Certified Signal Support and Strain Pole Suppliers (Supplement 1094)

Check to ensure the material supplier are on the certified supplier lists at

<http://www.dot.state.oh.us/Divisions/ConstructionMgt/Materials/Pages/CertifiedSuppliers.aspx>

All of these materials are to be accepted with a TE-24.