

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.12**DAILY PROJECT JOURNAL****Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Report No:** DPJ-000535**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 14-Dec-2007**Location:** Changxing Island, Shanghai, China**Submittals(New / Total):****CWR's:** /**HSR's:** /**NCR's:** /

| Item | Title | Detail |
|------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Other important observations | <p>1. Shop floor walkthrough at around 0930 hours.</p> <p>OBG Deck Mock-Up: No activity was observed when I was on the shop floor.</p> <p>OBG Bottom and Side Plate: ZPMC continued assembling and tack welding T-stiffeners and open stiffeners to the bottom plate and to the side plate, respectively. ZPMC continued welding bottom / side plate splices. ZPMC was observed heat straightening tack welded side plate.</p> <p>OBG Floorbeam: ZPMC was observed CNC trimming and cutting T-stiffener slots for floorbeam web plate FL-1. ZPMC was observed heat straightening floorbeam FB015-04-023, which consists of X48A, X48B, and X16A. Counterweights were putted on both side of the weld when heat straightening was being performed. After discussions with ZPMC QC, I checked the corresponding distortion inspection record and heat straightening report, HSR1(B)-078. From the distortion inspection record, it showed that ZPMC QC inspected the distortions at four different locations along the weld and the distortions appeared to be 7mm, 9mm, 11mm, and 8mm, respectively. On page 154 of Special Provisions, it reads "For material less than or equal to 16mm thick, the Contractor shall not heat straighten members more than 6 in 1000 without prior approval of the Engineer". ZPMC did not conform to the Special Provisions with heat straightening floorbeam FB015-04-023, which has a thinnest member of 12mm and distortion over the tolerance of 6 in 1000, without Engineer approval. An incident report was being generated regarding this issue.</p> <p>2. Researched on the requirements of dimensional verification plan.</p> <p>3. Checked the status of macro specimens etching test for OBG closed rib</p> |

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weld trial #2.

Inspected By: Liu, Chengwen

Quality Assurance Inspector

Reviewed By: Lowry, Patrick

QA Reviewer
