

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-000714**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 25-Mar-2008**Location:** Changxing Island, Shanghai, PRC**Submittals(New / Total):****CWR's:** /**HSR's:** /**NCR's:** /

Item	Title	Detail
1	Key conversations	<p>0800-John Hamer, ABF asked me to identify the macroetch locations on the 77m meter mockup. I escorted Mr. Hamer and Lu Xian, ZPMC to the mockup where I showed the areas to be sampled. I asked Mr. Lu when ZPMC would begin cutting the samples, Mr. Lu stated that work would begin in the afternoon of 3/25/08.</p> <p>1500-Mr. Hamer and I discussed NCRs ZPMC-0057 and ZPMC-0074. Mr. Hamer wanted to clarify that the two non conformances were for different incidents. I confirmed that the incidents were separate. Mr. Hamer also asked if there was an issue with faying and mill to bear surfaces. I pointed out there is a gap between the interior connection plates and the longitudinal stiffeners. Mr. Hamer showed me contract plan sheet showing a 5mm gap between the plates. Mr. Hamer also stated that he took measurements of the 114m mockup between the upper and lower sections at Skin "D" and observed the misalignment at 1 3/4 mm.</p>
2	Other important observations	<p>77m Mockup-No Activity. ZPMC was scheduled to begin cutting macro samples in the afternoon.</p> <p>89m Mockup- ZPMC has proceeded welding two fit lugs on to the Skin "C" stiffeners. I observed that the fit lugs had fillet welds on both sides. ZPMC was preheating the adjacent stiffeners, in preparation for welding. At 0900, I received ABF transmittal ABF-TL-08-0707, "Partial Mockup Fabrication Procedure No. 2." the procedure documented the procedure that ZPMC used on 03/21/08 to weld the fit lugs on Skin "B" stiffeners on SA13. I forwarded the proposal to Dr. Wahbeh and Mr. Ryan Smith for review and forwarding to Design for comments.</p> <p>114m Mockup- No activity</p>
3	Meetings attended	0900-I attended the Fabrication Update Brief. I was asked about the current status of the 89m mockup and the procedure that ZPMC was using to weld

DAILY PROJECT JOURNAL

(Continued Page 2 of 2)

the fit lugs on SA13. I explained the procedure that ZPMC was using and reinforced that the Department had not received a proposal for the option that ABF/ZPMC was pursuing. Mr. Mark Woods asked me to forward pictures of the fillet welds on SA13.

4 Critical Weld Repairs (CWRs)

I reviewed and rejected ABF-TL-08-0655, CWR075 Rev. 0. The repair was for a crack in the 77m mockup in the PJP welds at the stiffener to diaphragm. The CWR did not include an engineering evaluation of the crack as required by the Special Provisions.

Inspected By: Ishibashi, Josh

Quality Assurance Inspector

Reviewed By: Wahbeh, Mazen

QA Reviewer
