

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-000685**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 05-Mar-2008**Location:** Changxing Island, Shanghai, PRC**Submittals(New / Total):****CWR's:** /**HSR's:** /**NCR's:** /

| Item | Title | Detail |
|------|------------------------------|---|
| 1 | Other important observations | 0800- Went on shop floor walkthrough with Ching Chao, Jim Reid and Tai Lin Liu. I identified the 6 cracks on the 77m mockup for that were discovered by METS on 3-3-08. Four of the six cracks had already been grinded off by ZPMC. |
| 2 | Key conversations | 0900- Met with Gene Rosamilia and John Hamer and discussed the cracks in the 77m mockup. ABF and ZPMC QC were unaware of the cracks until I brought them to their attention. Mr. Hamer and Mr. Rosamilia agreed hypothesized that the transverse cracking was a result of a combination of hydrogen trapped in the weld and lack of post weld heating. I commented that their explanation could be a possible issue but with transverse cracking there are other potential causes that could be addressed. They stated that the cracks that are appearing now are probably a result of the lack of preheat/postheat and the fillet welds were more susceptible to cracking so they cracked first, and now the cracks were appearing in the larger PJP diaphragm to stiffener welds. Mr. Hu walked in at the end of the discussion and was not aware of the cracks either and called ZPMC production to verify but could not get a solid answer. I also asked about the status of the proposal to address the rejection letter of the 77m and 89m mockups. I was also notified that that bolts required to finish the exterior splice plate bolting had not arrived yet. |

At 1250 I met with Kevin Carpenter, ABF and asked if he had the NDT reports for the weld joints the Department selected on the 77m mockup for macroetches. Mr. Carpenter stated that he had the reports from ZPMC but he was putting them together in a coherent package. I asked when it the package would be ready and Mr. Carpenter stated it would be the end of the week. I reminded him that we would need the NDT reports before macroetches could be marked and cut. Mr. Carpenter concurred.

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