

**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-000291**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 18-Sep-2007**Location:** Changxing Island, Shanghai, China**Submittals(New / Total):****CWR's:** /**HSR's:** /**NCR's:** /

| Item | Title                        | Detail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| 1    | Other important observations | <p>At 0800 hours I performed a walk-through of the shop to observe the fabrication of the Tower mock-ups. The following are the highlights of the observations: 1. ZPMC has was still performing excavations on the second side of the longitudinal stiffener welds on Skin Plates A and E of the 77m mock-up. There were excavations on 5 of the 7 stiffeners and were measured between 170mm to 380mm; making the repairs approximately 13% to 36% of the weld length. These repairs are in addition to the repairs made to side one of the stiffeners which ranged from 52% to 90% of the weld length. This issue will be discussed with the Contractor again during our meeting at 1330 hours. 2. On the 114m mock-up, welding continued on the longitudinal stiffeners to the skin plates. The welding of the stiffeners to Skin Plates A (upper) were in progress and UT was being performed on the welds for Skin Plate A (lower). The welds on Skin Plates B (upper and lower) were complete and Skin Plate B upper had been moved to another area in the shop, but no work was being performed to it. Skin Plates C (upper and lower) appeared to have the stiffener plates completely welded. The stiffeners were being welded to Skin Plate D (upper) with Skin Plate D (lower) and E (upper) being prepped for the fit-up of stiffeners. The stiffeners for Skin Plate E (lower) were being fit-up during the walk-through.</p> <p>3. ZPMC has fabricated their jig for the welding of the corner stiffener for the 114m mock-up and has started to fit-up the plates for welding. The included angle of the grooves on these plates appeared to be acute, METS will double check these groove angles prior to welding.</p> <p>4. It appeared that one of the 114m mock-up temporary diaphragms had just finished being cut with the CNC machine. Three more were to the side in preparation for being cut.</p> |
| 2    | Meetings attended            | <p>At 0900 hours I attended the China Team Update Conference Call with the team members from Pier 7. During the call the following items were discussed for the Tower Team: 1. Check Sample status update 2. Mock-up</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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## DAILY PROJECT JOURNAL

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fabrication status 3. Repairs being made to Skins A and E for the 77-m mock-up and the specification regarding acceptability of the plates due to large repairs.

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3      Logistics

At approximately 1030 hours, Team China was given notice that the ferry would be leaving early today due to the typhoon warning issued to the city of Shanghai. Both Team China and ABF personnel were told to leave on the ferry at 1330 hours and that the boat schedule would be suspended until further notice. Team China agreed we would work from the office in Rm 602 until it was safe to return to the island.

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**Inspected By:**      Smith,Ryan

Quality Assurance Inspector

**Reviewed By:**      Wahbeh,Mazen

QA Reviewer

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