

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.yy**DAILY PROJECT JOURNAL****Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Report No:** DPJ-000087**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 13-Mar-2007**Location:** Changxing Island, Shanghai, China**Submittals(New / Total):****CWR's:** 0 / 0**HSR's:** 0 / 0**NCR's:** 0 / 1

Item	Title	Detail
1	Major component movement	Caltrans Quality Assurance (QA) witnessed welding of the Procedure Qualification (PQR) test plates for 1G FCAW/SAW (TW-111 FCAW electrode with new SAW electrode) with ceramic backing on 60mm plate for HP-200712 - QA observed cracking on the root pass, ZPMC suspended testing to determine the cause and corrective action. ZPMC began again and cracks were visible in the root pass. Since the cracks were located outside the required 400mm weld length (plate length 800mm), ZPMC elected to continue welding. Welding is still in progress.
2	Key conversations	<p>Caltrans Quality Assurance Inspector (QA) spoke with ABF representative Jeff Evans regarding the status of the U-rib welding gantry ZPMC is currently assembling and testing. Mr. Evans stated that ZPMC currently has the heads disassembled. He was not sure what work they are performing on the weld heads.</p> <p>Caltrans Quality Assurance (QA) spoke with ABF representatives Jeff Evans and Dave Williams regarding the cracking observed in the root pass of the current ceramic backing PQR. Mr. Williams stated that ABF welding engineer Craig Knops would be on site tomorrow and he would address the cracking issue.</p>
3	Quality Assurance Inspectors per shift	3 AM 0 PM
4	Logistics	ABF Production Manager Dave Williams informed QA that ZPMC was still scheduled to begin another round of welder qualification testing on March 15th, 2007, but that he would confirm this information again and try to get QA information on the number of welders to be tested.

**Inspected By:** McClary,David

Quality Assurance Inspector

**Reviewed By:** Lowry,Patrick

QA Reviewer