

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.yy**DAILY PROJECT JOURNAL****Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Report No:** DPJ-000051**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 22-Jan-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	<p>QA observed the following mechanical testing:</p> <p>HP-2006116 - Charpy-V Notch tests failed impact requirements HP-2006117 - Charpy-V Notch tests failed impact requirements HP-2006128 - testing appears to comply HP-2006133 - testing appears to comply HP-2006131 - retest of Charpy-V Notch appear to comply</p>
2	Key conversations	<p>ZPMC Testing Department Director Mr. Liu Liu informed QA that they intend to weld the Figure 5.1 1G FCAW test plate again. After checking the parameters of the FCAW passes used on the ceramic backing test plates (HP-2006116 and 117), Mr. Liu Liu stated that they welded above the heat input qualified during their Figure 5.1 test. However, after hearing about the failure of the Charpy impact tests of HP-2006116 and 117, he stated he would have to evaluate the results before deciding how to proceed.</p> <p>ZPMC Quality Control Engineer Liu Jian Hua asked if the impact testing of PQR's HP-2006116 and 117 had been required by the code since this was a non-standard joint qualification conducted on AWS D1.5, Section 5.13. QA stated that the code only required the testing detailed in Figure 5.3 for non-standard joints, which does not require either All-weld-metal tensile samples or Charpy-V Notch impact tests. However, QA explained that since ZPMC elected to perform these mechanical tests, it would not be sound judgment for the State to ignore the results.</p> <p>QA spoke with ABF representative Craig Knops regarding the failed Charpy impact tests on both of the ceramic backing PQR test plates (HP-2006116 and 117). Mr. Knops stated that this was bad and may indicate an issue with the electrodes.</p>
3	Quality Assurance Inspectors per shift	4 AM 0 PM

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4 Logistics

Mr. Chen Bin began the process of extending the Visa for QA David McClary, currently limited to 30 days per entry. This will be the first time a Visa has been extended.

Inspected By: McClary,David

Quality Assurance Inspector

Reviewed By: Lowry,Patrick

QA Reviewer
