

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-000022**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 07-Dec-2006**Location:** Shanghai, China**Submittals(New / Total):****CWR's:** 0 / 0**HSR's:** 0 / 0**NCR's:** 0 / 0

Item	Title	Detail
1	Major component movement	ZPMC showed Caltrans QA macro samples of the internal 1G FCAW trials conducted yesterday. The majority of the sample exhibit lack of fusion / slag inclusion at the root, with one sample also having an interpass inclusion. ZPMC continued to conduct internal 1G FCAW trials in an attempt to eliminate the lack of fusion problems being encountered in the PQR testing. ZPMC is changing electrode stick-out, angle, position and progression. The macro samples from the trials conducted today appear to have thorough fusion, and ZPMC intends to begin procedure qualification tomorrow.
2	Meetings attended	Meeting between ZPMC, ABF and Caltrans to discuss Tower Fabrication Procedures and Mock-up requirements. Attended by Caltrans Representatives: Jim Merrill, Mazen Wahbeh, Venkatesh Iyer, Patrick Lowry and Keith Devonport.
3	Key conversations	ABF QCM Jim Bowers spoke with ZPMC QC Manager Lu Jian Hua and suggested they continue internal trials. Mr. Bowers inquired about the weld progression and was informed they were "pushing" the wire. Mr. Bowers suggested they should probably lower the angle of the nozzle and change the direction of progression to "drag" the wire.
4	Logistics	The new shop facilities are still under construction. Welding of PQR was cancelled due to heavy fog changing the ferry schedules.
5	Quality Assurance Inspectors per shift	2 AM 0 PM

Inspected By: McClary, David

Quality Assurance Inspector

Reviewed By: Lowry, Patrick

QA Reviewer