

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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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-000016**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 11-Nov-2006**Location:** Shanghai, China**Submittals(New / Total):****CWR's:** 0 / 0**HSR's:** 0 / 0**NCR's:** 0 / 0

Item	Title	Detail
1	Critical Weld Repairs (CWRs)	N/A
2	Heat Straightening Requests (HSRs)	N/A
3	Nonconformance Reports (NCRs)	N/A
4	Major component movement	Welded 3F FCAW PQR. Conducted Mechanical Tests on the following PQRs 1G SAW Max HI - Passed 1G FCAW Max HI - Charpy's failed (3 out of 5) will retest Monday.
5	Meetings attended	N/A
6	Key conversations	Informed by ZPMC's Mr. Liu Liu that they intend to perform a Procedure Qualification (PQR) test for non-standard joints against ceramic backing. Mr. Liu Liu gave Caltrans a copy of the proposed parameters. The parameters were not within those qualified by the Figure 5.1 Max-Min FCAW tests already performed. Mr. Liu Liu was informed that ZPMC would have to perform testing to qualified the mechanical properties (Fig. 5.1) for the proposed non-standard joints or change the parameters to within those qualified. After speaking with his technology department, Mr. Liu Liu stated that they would need to run a new Figure 5.1 Plate (Min HI) to qualify the parameters for the root since those already qualified were inadequate for the proposed joint.
7	Other important observations	ZPMC wanted to perform a GMAW PQR today. Caltrans requested they provide certifications for the shielding gas (80% Ar, 20% CO2 on proposed WPS) prior to welding. It took all day for ZPMC to get the gas certs from the manufacturer and it turned out the bottles they intended to use actually contained 90%Ar, 10%CO2. Mr. Liu Liu spoke with his technology department and informed Caltrans they would like to use the 90-10 mix and would modify their proposed WPS to reflect that and begin PQR testing on Monday.
8	Quality Assurance Inspectors per shift	2 AM 0 PM

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## DAILY PROJECT JOURNAL

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9	Logistics	New shop facilities still under construction, underground utilities being installed. No structures have been built at this time.
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**Inspected By:** McClary, David

Quality Assurance Inspector

**Reviewed By:** Lowry, Patrick

QA Reviewer

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