

**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-000077**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 01-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	<p>Caltrans Quality Assurance (QA) observed Moody International conducting the following welder and welding operator qualifications: 20 FCAW - 12 rejected by Moody = 8 10 SMAW - 2 rejected by Moody = 8 6 SAW - all passed by Moody = 6 ZPMC intends to RT the 22 test plates that passed visual inspection during their night shift.</p> <p>QA reviewed the Radiographic Testing (RT) film for the 19 welder qualification plates performed yesterday.</p> <p>QA witnessed welding of 1G FCAW PQR HP-200706. Welding is complete.</p> <p>Caltrans Quality Assurance (QA) verified the mill markings of 2 plates (A709 grade 50-T2) total weight 20,064 kg, for the Caltrans Mock-ups.</p>
2	Key conversations	<p>Caltrans Quality Assurance (QA) spoke with ABF representatives Jeff Evans and Peter Ferguson regarding the SAW procedures submitted in the WQCP and about the SAW procedures that ZPMC is preparing to perform. QA pointed out the since the Minimum Heat Input PQR originally conducted failed, ZPMC's current SAW procedure specifies an amperage range of 616 to 770. The code requires that single electrode SAW weld passes that fuse to both sides of the joint shall not be conducted at greater than 600 amps. Therefore, the current procedure will not be able to be used with a majority of the standard joints submitted since at least the root layer would be conducted as a single pass. QA informed ABF that Caltrans Engineers were reviewing the situation to determine if the procedure would be acceptable as performed.</p>
3	Quality Assurance Inspectors per shift	3 AM 0 PM

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**Inspected By:** McClary, David

Quality Assurance Inspector

**Reviewed By:** Lowry, Patrick

QA Reviewer