

**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-000043**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 13-Jan-2007**Location:** Changxing Island, Shanghai, China**Submittals(New / Total):****CWR's:** 0 / 0**HSR's:** 0 / 0**NCR's:** 0 / 0

Item	Title	Detail
1	Major component movement	<p>Review RT film for the following PQR's:</p> <p>1G Gas Metal Arc Welding (GMAW) procedure identified as HP-2006136 - the weld was unacceptable due to porosity spacing</p> <p>1G Submerged Arc Welding (SAW) procedure identified as HP-2006137 - the weld appeared to be acceptable</p> <p>Conducted welding of the following PQR test plates:</p> <p>1G Gas Metal Arc Welding (GMAW) procedure identified as HP-2006136-1 on 26mm A709-345 (standard joint). Welding is complete.</p> <p>1F Submerged Arc Welding (SAW) procedure identified as HP-2006138 on 26mm A709-345 fillet welds. Welding is complete.</p>
2	Key conversations	QA explained to ZPMC the spacing requirements of AWS D1.5 for RT testing.
3	Other important observations	QA went to the Jin Tong Jian Chen NDT Co., Ltd. in Shanghai (Puxi) with ABF representative Craig Knops and ZPMC representative Lu Jian Hua to observe RT of the thick (75mm and 60mm) test plates: HP-2006129, HP-2006131, HP-2006117-2, HP-2006116, HP-2006128 and HP-2006133. QA observed they were using a Cobalt 60 source rather than an Iridium 192 source as originally informed by ZPMC. ZPMC stated this was just a miscommunication and that they have always intended to use Cobalt. QA observed the set-up on HP-2006129 and HP-2006131. The set-up appeared to comply with the contract requirements.
4	Quality Assurance Inspectors per shift	4 AM (2 at Changxing Island Plant / 2 at Jin Tong Jian Chen NDT Co. Ltd. Shanghai) 0 PM

**Inspected By:** McClary, David

Quality Assurance Inspector

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**Reviewed By:** Lowry,Patrick

QA Reviewer