

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-000172**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 21-Jun-2007**Location:** Changxing Island, Shanghai, China**Submittals(New / Total):****CWR's:** 0 / 0**HSR's:** 0 / 0**NCR's:** 0 / 2

Item	Title	Detail
1	Major component movement	<p>QA observed welding of the following PQR: HP2007143-1, 1G SMAW (E9018) on HPS 485W material, welding is complete HP2007144, 3G SMAW (E9018) on HPS 485W material, welding is complete</p> <p>QA observed Moody International conducting the following welder qualifications: 23 FCAW welded - 8 accepted by Moody = 34.8% acceptance rate 19 SMAW welded - 10 accepted by Moody = 52.6% acceptance rate 5 SAW welded - 5 accepted by Moody = 100% acceptance rate The test plates still require both RT and mechanical testing</p>
2	Meetings attended	<p>QA met with ABF at 0900 to discuss the activities for the day. ABF informed QA that ZPMC intends to finish welding PQRs HP2007143-1 and HP2007144. ZPMC intends to begin PQRs HP2007153 and possibly HP2007145. ZPMC intends to continue welding of PQR HP2007153 throughout the weekend. Welder Qualification Testing is scheduled to finish on Friday, June 22nd. PQRs HP2007225 and HP2007246-1 are being machined and are scheduled for mechanical testing on Friday, June 22nd. ABF informed QA that ZPMC would like to use left over material for the ABF Mock-up for use on the Caltrans Mock-up. ABF on-site QCM Nate Lindell will verify if the traceability of the plate is still identifiable.</p>
3	Key conversations	<p>QA spoke with ZPMC Level III Steven Kang regarding the closed-rib UT procedure. QA raised concerns that the UT technique the Mr. Kang is currently pursuing may be unable to maintain the accuracy requirements in the Special Provisions, and may become less accurate when measuring areas with greater LOP. QA suggested some techniques for determining the depth of penetration which could be conducted in the first leg of sound path and would be less susceptible to variations in thickness.</p>

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| 4 | Other important observations | QA and ABF observed destructive testing of the closed-rib that had been UT tested by ZPMC's Level III Steven Kang on June 20th. Mr. Kang, ABF and QA measured the LOP at the six areas scribed at the UT readings. Measurements taken of 3 indications of LOP up to 1.6mm; all were accurate within 0.2mm. Measurements taken of 3 indications of LOP over 1.6mm; 1 was accurate within 0.2mm, other 2 were off by over 0.5mm. |
| 5 | Quality Assurance Inspectors per shift | 2 AM (Berger, Cuellar)
0 PM |
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Inspected By: McClary, David

Quality Assurance Inspector

Reviewed By: Lowry, Patrick

QA Reviewer
