

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 #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-000012**Date Inspected:** 25-Jan-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 800**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Liu Liu**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Witness Mechanical testing**Bridge No:** 34-0006**Component:** PQR Test plate**Bid Item:****Lot No:** B31-023-07**Summary of Items Observed:**

On this date the QA representative Joe Lanz arrived at Zhenhua Port Machinery Company (ZPMC) of Shanghai, China to witness mechanical tests of Performance Qualification weld test plate ID HP2006107-10 in accordance with the contract documents. The QA inspector observed Charpy V-notch tests in accordance with AWS D1.5-2002 paragraph 5.18.5 and contract special provisions. The ZPMC QC personnel Ms. Xie Ping verified specimen dimensions using Comparator model JTT-23J with the calibration due 10-7-2007. ZPMC QC personnel Ms. Xie Ping and Mr. Pu Xinhua performed the tests using the test machine, Impact tester JB-300B, calibration was verified to be due 07-17-2007. The specimens were tested at -30 degrees Centigrade. Tests were performed and results recorded as 73J, 101J, 108J, 89J and 88J.

The QA inspector observed an All Weld Metal Tensile test in accordance with AWS D1.5-2002 paragraph 5.18.4. The test machine ANS model SHT5106 calibration was verified. ZPMC QC personnel Ms. Xie Ping and Mr. Pu Xinhua verified the specimen dimensions and the testing was performed and results recorded as 517MPa yield, 607MPa tensile and 30.4% elongation. The sample was found acceptable in accordance with paragraph 5.19.4.

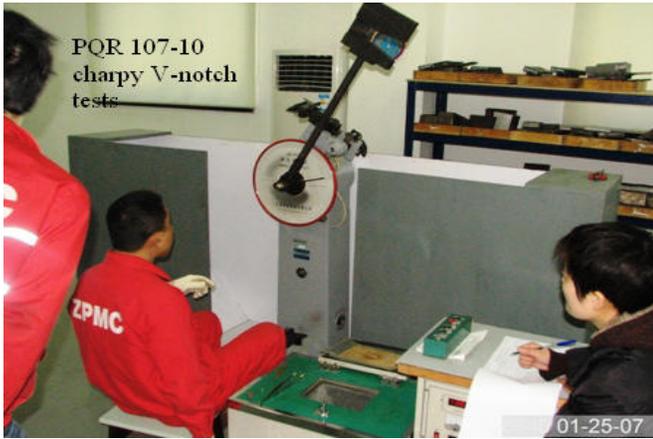
The QA inspector observed 2 reduced section tensile coupon tests in accordance with AWS D1.5-2002 Section 5.18.1. The test machine ANS model SHT5106 calibration was verified. ZPMC QC personnel Ms. Xie Ping and Mr. Pu Xinhua verified the specimen dimensions and the testing was performed and results recorded as 560MPa and 565MPa tensile and both ruptures were in the base metal. The samples were found acceptable in accordance with paragraph 5.19.1.

The QA inspector observed 4 each side bend tests in accordance with AWS D1.5-2002 paragraph 5.18.3. ZPMC QC personnel Ms. Xie Ping and Mr. Pu Xinhua performed tests and recorded results as acceptable in accordance with paragraph 5.19.2. The QA inspector observed 3 macroetch samples which had been etched in accordance with AWS D1.5-2002 paragraph 5.18.2. The samples were found to be acceptable in accordance with

SOURCE INSPECTION REPORT

(Continued Page 2 of 2)

paragraph 5.19.3. Caltrans witness lot number B31-023-03 was assigned for tracking purposes.



Summary of Conversations:

No relevant conversations on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

Inspected By: Lanz,Joe

Quality Assurance Inspector

Reviewed By: Wright,Mark

QA Reviewer
