

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-000170**Date Inspected:** 24-Nov-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 630**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

Quality Control Contact:	ZPMC-Zhang Jiadi and Zhao Chen Sun	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: N/A**Bridge No:** 34-0006**Component:** Procedure Qualification Record (PQR) Test S**Bid Item:** 52**Lot No:** B97-004-07**Summary of Items Observed:**

On this date, the Caltrans Quality Assurance (QA) representative, John P. Tracy, performed a witness of Procedure Qualification Record (PQR) mechanical testing samples. Following is a list of test plates and the details of the review.

Upon arriving at the ZPMC mechanical testing lab, Zhang Jiadi (Ken) and Certified Welding Inspector (CWI) - Zhao Chen Sun of ZPMC, was present.

Test Plate ID HP2007262, Caltrans witness lot number B97-004-07. The PQR welding was witnessed by Caltrans Inspector, Mr. Dan Hernandez, lot number L30-138-07. Two reduced section tensile specimens, one round, all-weld metal tension specimen, a set of five Charpy Vee Notch (CVN) impact samples and three macro etched samples were presented and ready for testing.

Testing for CVN samples was specified at -30 degrees Centigrade. The bath was verified at -29.8 degrees Centigrade and specimens soaked for 18 minutes. Per Xie Ping, of ZPMC, radiographic examinations, previously conducted, were acceptable.

The samples had their individual examinations performed and they appeared to conform to the criteria set forth in contractual documents in regards to tensile, impact and bending properties. The mechanical testing performed was verified by CWI - Zhao Chen Sun, of ZPMC, that this Welding Procedure Specification (WPS) was not going to be used for Fracture Critical Member (FCM) or Seismic Performance Critical Member (SPCM) mock-up or fabrication and that -30 degrees Centigrade CVN testing does not indicate otherwise.

Summary of Conversations:

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At the completion of the mechanical testing the ZPMC CWI , Zhao Chen Sun, reported that the mechanical tests were found to be acceptable in accordance with the contractual documents.

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 Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

Inspected By:	Tracy,John	Quality Assurance Inspector
Reviewed By:	Cuellar,Robert	QA Reviewer
