

**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: 13.9/14.3,0.0/1.6File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-000846**Date Inspected:** 07-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:** Changxing Island**CWI Name:** Xian Ping**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Mock-up 77 & 89**Summary of Items Observed:**

Caltrans Quality Assurance (QA) Inspector, Larry Viars was present to observe the Magnetic Particle Testing (MT) of the Caltrans Mock-up # 77.00 and # 89.00, for the San Francisco Oakland Bay Self Anchored Suspension Bridge, at Zhenhua Port Machinery Company (ZPMC) facility on Changxing Island.

Caltrans QA Inspector observed ZPMC QC Mr. Zhou Dongyun performing MT of Mock-up # 77.00 bottom diaphragm flange section SA 274 bevel face after grinding. Mr. Dongyun found the bevel face to be acceptable. The following picture illustrates Mr. Dongyun performing MT of the bevel face. Caltrans QA Inspector Viars performed MT of the above mentioned plate. Please see MT report TL 6028, generated on this date for further information.

Caltrans QA Inspector Viars witnessed ZPMC QC MT Inspectors Mr. Zhou Dongyun and Mr. Cai Xin Xin performing MT on arc strike excavation areas of Mock-up # 89.00 sub assembly SA13. ZPMC QC technicians found the arc strike excavation areas to be acceptable.

The Caltrans QA Inspector observed MT of the above mentioned items and observed that the testing appeared to be in general conformance with AWS D1.5 2002 requirements.

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# WELDING INSPECTION REPORT

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## Summary of Conversations:

As identified within the contents of this report.

## 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.

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<b>Inspected By:</b>	Viars,Larry	Quality Assurance Inspector
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<b>Reviewed By:</b>	Cuellar,Robert	QA Reviewer
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