

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 #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-004973**Date Inspected:** 07-Dec-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 1400**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2200**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Island, Shanghai

CWI Name:	N/A	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:	Tower components	

Summary of Items Observed:

On this date CALTRANS OSM Quality Assurance (QA) representative was present for observations relative to fabrication performed by Zhenhua Port Machinery Company (ZPMC) for the fabrication of Orthotropic Box Girder (OBG) and SAS Tower at Changxing Island, in Shanghai, China. While on site the QA Inspector noted the following:

OBG / Floor beam.

1. The QA Inspector performed a random Visual (VT) and Magnetic Particle Testing (MT) verifications on the completed welds made between assembly component members on the inspection part number: FB019-002 and FB028-005 (please note that multiple welds were verified on these inspection parts). Please refer to the ZPMC Non Destructive Examination (NDE) notification of witness inspection document number 001572 item number 13 and notification number 001579 item number 1 for weld numbers and additional information. Please note that the VT and MT verifications were performed on these welds as a request for the tagging in process of the assemblies. The QA Inspector performed the verifications on these welds after ZPMC Quality Control Inspection personnel had completed the inspections and reported the welds to be acceptable and ready for verification. The QA Inspector did not observe any welding related discontinuities and did not observe any relevant indications during verifications. The QA Inspector notified QC Inspection personnel and Task Leader Albert Carreon of the observations during verifications. Please see the QA Inspector's Magnetic Particle Testing (TL 6028) report generated on this date for additional information.

Edge plate / deck panel.

WELDING INSPECTION REPORT

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2. The QA Inspector performed a random VT and MT verifications on completed welds made between assembly component members on the inspection part number: DP641A-001, EP096A-001, EP064A-001 and DP649-001 (please note that multiple welds were verified on these inspection parts). Please refer to the ZPMC Non Destructive Examination (NDE) notification of witness inspection document number 001579 item numbers 6, 7, 8, notification number 001574 item number 8 for weld numbers and additional information. Please note that the verifications were performed on these welds as a request for the tagging in process of the assemblies. The QA Inspector performed the verifications on these welds after ZPMC Quality Control Inspection personnel had completed the inspections and reported the welds to be acceptable and ready for verification. The QA Inspector did not observe any welding related discontinuities and did not observe any relevant indications during verifications. The QA Inspector notified QC Inspection personnel and Task Leader Albert Carreon of the observations during verifications. Please see the QA Inspector's Magnetic Particle Testing (TL 6028) report generated on this date for additional information.

Edge plate.

3. The QA Inspector performed a random VT and MT verifications on the completed welds made between assembly component members on the inspection part number: EP084A-001, EP072A-001, EP088B-001, EP076B-001 and DP668A-001 (please note that multiple welds were verified on these inspection parts). Please refer to the ZPMC Non Destructive Examination (NDE) notification of witness inspection document number 001583 item number 1 to 5 for weld numbers and additional information. Please note that the verifications were performed on these welds as a request for the tagging in process of the assemblies. The QA Inspector performed the verifications on these welds after ZPMC Quality Control Inspection personnel had completed the inspections and reported the welds to be acceptable and ready for verification. The QA Inspector did not observe any welding related discontinuities and did not observe any relevant indications during verifications. The QA Inspector notified QC Inspection personnel and Task Leader Albert Carreon of the observations during verifications. Please see the QA Inspector's Magnetic Particle Testing (TL 6028) report generated on this date for additional information.

Summary of Conversations:

As noted in the body of the report above.

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 Peter Dautermann, (1500) 129-9593, who represents the Office of Structural Materials for your project.

Inspected By:	Medina,Ricardo	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
