

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-002509**Date Inspected:** 17-May-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2200**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

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:	Orthotropic Box Girder	

Summary of Items Observed:

On this date, Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) Inspector Edward Leach was present to randomly observe and document the welding and Quality Control (QC) functions performed by ZPMC personnel relative to the fabrication of SAS Superstructure project. While on site, the QA Inspector noted the following work.

OBG-Bay 1

The QA Inspector began initial visual testing (VT) for the closed rib partial joint penetration (PJP) welds for deck panel designations DP194-001 and completed VT for weld joint 1, 2 & 3 by the end of second shift. The information regarding the progress of this inspection was turned over to third shift QA personnel Mike Hasslar.

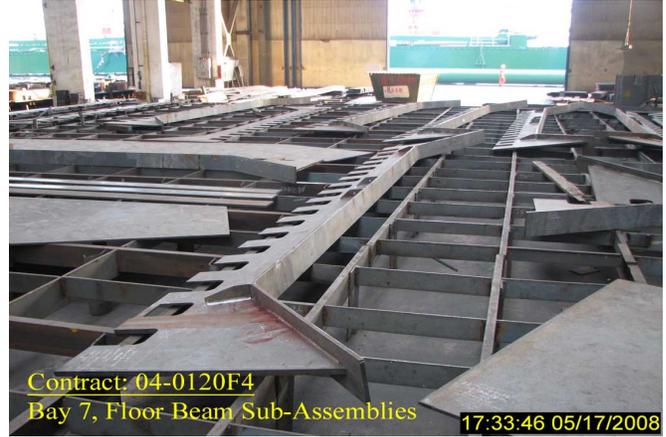
Bay 7

The QA Inspector performed magnetic particle testing (MT) for several floor beam sub-assemblies that were said to have previously received 25% MT by ZPMC personnel. The QA Inspector performed MT for approximately 10% of what was previously MT inspected by ZPMC. The following sub-assemblies were inspected; FB005-014, FB005-012, FB004-10 and FB013-012. Approximately fourteen (14ea) weld joints on each assembly were randomly verified by MT. No apparent relevant indications were observed at the time of testing and a TL-6028 MT report was generated on this date.

The following digital images below detail the sub-assemblies in bay 7 where the MT was performed.

WELDING INSPECTION REPORT

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Summary of Conversations:

No relevant conversations 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 Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

Inspected By:	Leach,Ed	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
