

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-020058**Date Inspected:** 17-Mar-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	Liu Hua Jie, Lu Li Qing, Geng W			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 (OBG)		

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance (QA) Inspector, Amit K. Juvekar, was present during the times noted above for observations relative to the work being performed.

This QA Inspector observed the following work in progress:

Assembly, Bay 14, 12AE, CA3001.

FCAW welding of weld joint CA3001J-007 TO 014; located on assembly, Bay 14, 12AE. Welder is identified as 050242; ZPMC Quality Control Inspector (QC) is identified as Lu Li Qing. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-B-T-4133.

Assembly, Bay 14, 12AE, Bottom plate to Side plate.

SMAW welding of weld joint SEG3001A-011, 007, 005, 001; located on assembly, Bay 14, 12AE. Welder is identified as 049339, 200113, 067904; ZPMC Quality Control Inspector (QC) is identified as Lu Li Qing. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-B-P-2214-B-U2-FCM-1.

Assembly, Bay 14, Traveler rail.

During Random Visual in process Inspection, this QA inspector observed Heat Straightening of Traveler rail 10TR3-005. The attached photographs provide additional detail.

Assembly, Bay 14, 12BW, Corner assembly Diaphragm.

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

FCAW welding of weld joint CA3008C-97 TO 100; located on assembly, Bay 14, 12BW. Welder is identified as 045175; ZPMC Quality Control Inspector (QC) is identified as Liu Hua Jie. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-B-T-2132.

Assembly, Bay 14, 1CW, Deck plate (DP3068A) to Deck plate (DP3069A).

SAW welding of weld joint SEG3005*-004; located on assembly, Bay 14, 12CW. Welder is identified as 045265; ZPMC Quality Control Inspector (QC) is identified as Liu Hua Jie. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-B-T-2221-B-L2-S-1.

Assembly, Bay 14, 12AE, PP109.

During the Quality Assurance (QA) random in-process visual inspection, this QA inspector ZPMC Personnel performing fit up of Floor Beam Identified as FB3001-001. The attached photographs provide additional detail.

Training for Phased Array Ultrasonic Testing.

This QA inspector attended Training for Phased Array Ultrasonic Testing (PAUT) from 1600Hrs. to 1900Hrs.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

No relevant conversations.

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 Eric Tsang, 1500.042.2372, who represents the Office of Structural Materials for your project.

Inspected By: Juvekar,Amit

Quality Assurance Inspector

Reviewed By: Miller,Mark

QA Reviewer