

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-009417**Date Inspected:** 26-Mar-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**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:	OBG Deck Plates	

Summary of Items Observed:

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

Ultrasonic Testing (Gate To Gate)

The QA Inspector performed, gate to gate Ultrasonic Testing (UT) on Orthotropic Box Girder deck plates to closed rib welds at the tack weld locations. The QA Inspector generated a field inspection UT report on this date designating areas of rejectable indications. Panel identification numbers are DP-173-001.

The Y locations of indication for the panel were marked and recorded as:

DP-173-001

Total Number of Ribs -05

Total Number of Tack Welds -310

Total Number of Tack Welds Scanned -310

Weld 01: Tack Welds Scanned - 31, Indication Observed - 04
Weld 02: Tack Welds Scanned - 31, Indication Observed - 09
Weld 03: Tack Welds Scanned - 31, Indication Observed - 06
Weld 04: Tack Welds Scanned - 31, Indication Observed - 04
Weld 05: Tack Welds Scanned - 31, Indication Observed - 04
Weld 06: Tack Welds Scanned - 31, Indication Observed - 05
Weld 07: Tack Welds Scanned - 31, Indication Observed - 03

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Weld 08: Tack Welds Scanned - 31, Indication Observed – 10

Weld 09: NO INDICATION FOUND

Weld 10: Tack Welds Scanned - 31, Indication Observed – 04

Unless otherwise noted, all 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 150-0042-2372, who represents the Office of Structural Materials for your project.

Inspected By: Patel,Hiranch

Quality Assurance Inspector

Reviewed By: Patterson,Rodney

QA Reviewer