

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-015132**Date Inspected:** 12-Jun-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** See below**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 and OBG Components**Summary of Items Observed:**

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

Bay 10

This QA Inspector randomly observed the following work in progress in Bay 10:

SMAW repair welding as a result of visual testing on weld joints NSTL4-3B/L-20, 25 located on PCMK north tower, lift 4, interior diagonal plate to skins C/D corner. Welder was identified as 053829. QC was identified as ZPMC CWI Xu Le Feng (QC1). Assisting QC1 at this location and appearing to be monitoring the welding and recording data was ZPMC QC Lu Wei Chao, who was a CAWI. The welding variables recorded by QC1's assistant appeared to comply with WPS-345-SMAW-2G(2F)-repair.

A ZPMC worker was backgouging weld joints NSD1-SPSA5-16-LS5-9-2B, 3B located on north tower, lift 5 splice.

Bay 11

This QA Inspector randomly observed no apparent welding related work in progress in Bay 11.

Heavy Dock

This QA Inspector randomly observed the following work in progress on the Heavy Dock:

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

North and west towers, lifts 1 had been placed on the ship moored at the foot of the Heavy Dock. South tower, lift 1 was laying horizontally on the dock and no apparent welding related work was being performed on either member.

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

Summary of Conversations:

As noted 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 Eric Tsang, 150-0042-2372, who represents the Office of Structural Materials for your project.

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| Inspected By: | Goulet,George | Quality Assurance Inspector |
| Reviewed By: | Dawson,Paul | QA Reviewer |
