

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/Ala Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-025838**Date Inspected:** 13-Jul-2011**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

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|------------------------------------|------------|----------------------------------|----------------|----|
| 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 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.

Heavy Dock

This QA Inspector randomly observed the following on the Heavy Dock in response to Bolting Inspection Notification Sheet No. 00688:

OBG Segment 14W, FL3 area, bottom plate:

During Quality Assurance (QA) random observations during Final Tension Verification of OBG Lift 14W FL3 area bottom plate to floor beams and FL3 area bottom plate to Segment 14W bottom plate between panel point 125 and panel point 127 in response to ZPMC Bolting Inspection Notification Sheet #00688, this Caltrans QA Inspector observed the following issues:

- The faying surfaces between the SP3118F and X3744 at panel point 127 appeared to contain foreign material. Also at this location, a shim plate with a rough flame-cut edge had been inserted.
- On the inner surface of several bolt holes what appeared to be sandblast grit was adhered to and covered with paint.
- The faying surfaces at the extreme outer ends of the floor beams to bottom plate at panel points 125, 126, 127 there appeared to be no paint because large areas of rust were clearly visible.

This QA Inspector informed ZPMC QC Zhang Lin (QC1) that the above issues prevented this QA Inspector from performing Final Tension Verification of OBG Lift 14W FL3 area bottom plate to floor beams and FL3 area

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bottom plate to Segment 14W bottom plate between panel point 125 and panel point 127 in response to ZPMC Bolting Inspection Notification Sheet #00688.

This QA Inspector informed dayshift personnel of the above noted issues for tracking purposes.

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: | Riley,Ken | QA Reviewer |
