

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-013151**Date Inspected:** 27-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:** Li Yang**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 Segment**Summary of Items Observed:**

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

ZPMC SHIP # 17

This QA Inspector performed photo documentation on lift 5 and lift 6 (East & west) sea fasteners located on ZPMC ship # 17 prior to being shipped to San Francisco California for erection.

ZPMC SHIP # 17

This QA inspector witnessed final tension verification on longitudinal diaphragm of Segment 6AW-6BW. Witnessed 10% on a random basis the bolts and found the tension to be in general compliance. The panel point and bolt size designations are as follows:

PP40-PP41 (South and North side)

M24 X 70 – DHGM 240010 – 560 NM

M24 X 95 – DHGM 240021 – 540 NM

ZPMC SHIP # 17

This QA inspector witnessed final tension verification on handrail of crossbeam (CB) 6. Witnessed 10% on a

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random basis the bolts and found the tension to be in general compliance. The panel point and bolt size designations are as follows:

PP44-PP45

M16 X 95 – DHGM 160017

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



Summary of Conversations:

No Relevant Conversation.

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

Inspected By: Manikandan,Murugan

Quality Assurance Inspector

Reviewed By: Miller,Mark

QA Reviewer