

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-013664**Date Inspected:** 10-Feb-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:** ZPMC and ABF**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**Summary of Items Observed:**

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

Caltrans QA inspector observed ten ZPMC workers in process of temporary bolting to the exterior and interior skin connection plates which connected to skin plate A, B, C, D and E of east tower lift #1 and lift #2. The ZPMC will install only 25% bolts on each skin connection plate. During observation, Caltrans QA discovered some of bolts do not have properly length and without washer after installed into the skin connection plates. Caltrans QA has informed to ZPMC, ABF QC and Caltrans SMR regarded that bolting condition. After noon time, ZPMC QC informed to Caltrans QA that short length bolts will not be removing and will install additional 25% of properly bolts with one washer on each skin connection plate. This temporary skin plates bolting does not have any request procedure, so Caltrans QA does not file indicant report for the temporary bolting.

The following list is the skin plate, connection plate and fastener thickness.

Tower skin plate with two connection plate thickness

Skin plate A Skin plate B Skin plate C Skin plate D Skin plate E

235mm 205mm 210mm 205mm 245mm

Fastener properly length for install

Skin plate A Skin plate B Skin plate C Skin plate D Skin plate E

270mm 240mm 260mm 240mm 280mm

Fastener length use by ZPMC for install

Skin plate A Skin plate B Skin plate C Skin plate D Skin plate E

260mm 220mm 230mm 220mm 270mm

WELDING INSPECTION REPORT

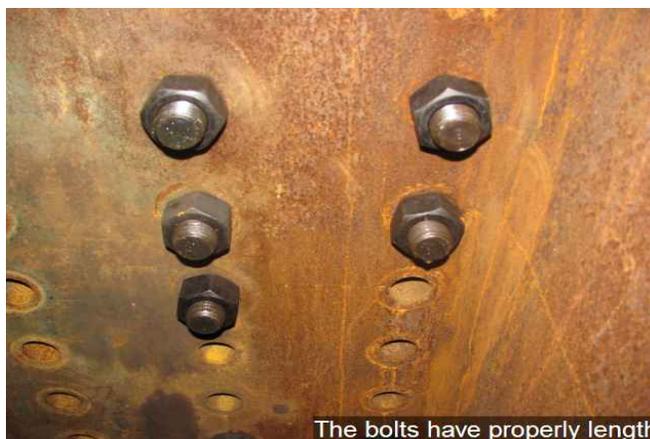
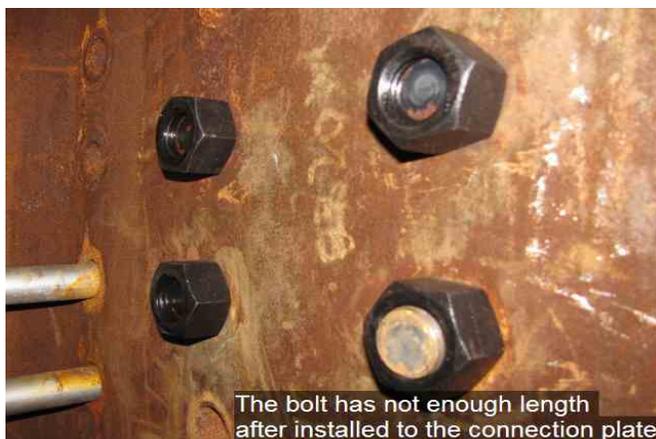
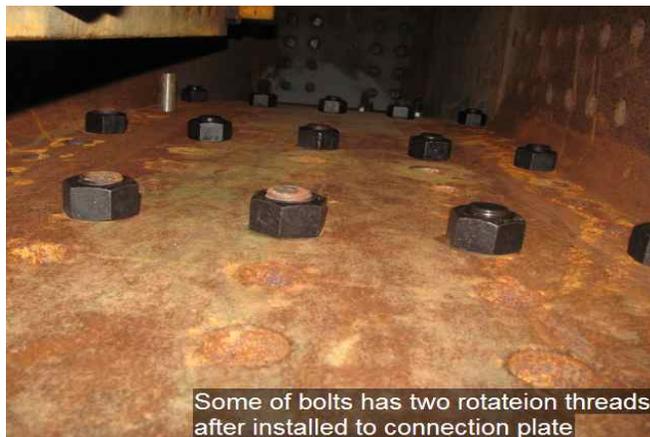
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CLOSING STATEMENT

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

Summary of Conversations:

As notes within report 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 Skyler Guest 15000422360, who represents the Office of Structural Materials for your project.

Inspected By: Pau,Wai

Quality Assurance Inspector

Reviewed By: Clifford,William

QA Reviewer