

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 #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-025288**Date Inspected:** 16-Jul-2011**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**CWI Name:****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**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector R. Hernandez was present during the time noted above and conducted observations relative to the work being performed.

The QA Inspector randomly observed the following work in progress:

South End Dock 14E

This inspector conducted ongoing evaluation of high strength bolting installation as required on project documents.

It has been determined that high strength bolting was not completed before attempting to load the segment onto the boat for shipment to the project jobsite. The segment is stationary at the south end of ZPMC's property. No high strength bolting is being conducted at this time.

Trial Assembly and Heavy Dock 13W & 14W

This inspector conducted review of the following high strength bolts brought out to Segment 14W and 13 W for installation at connections requiring the size and length required as specified on contract drawings. All bolts were found to have been sampled and tested in accordance with AISC standards and in accordance RCSC 2000 edition:

M24x85 - Set No. DHGM2400019, Lot No.(s) MF191Z, MD971Z, & C0018X.

M27x85 - Set No. DHGM2700001, Lot No.(s) 5761Z, NN601Z, & B365X.

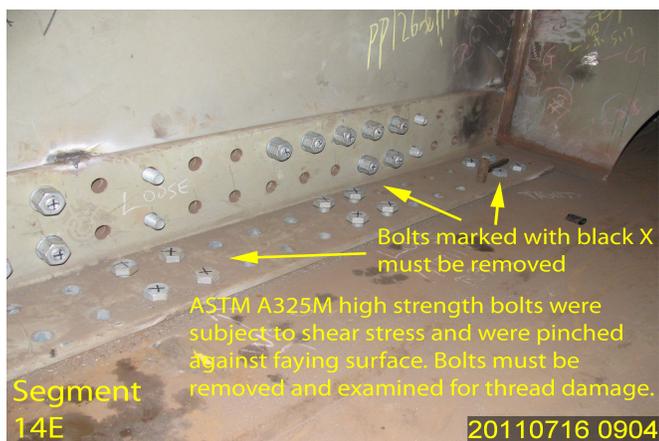
M27x65 - Set No. DHGM2700037, Lot No.(s) SB521Z, PR731Z, & C1371Z.

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- M24x65 - Set No. DHGM2400013, Lot No.(s) MF161Z, MD972Z, & C0018Y.
- M22x95 - Set No. DHGM2200142, Lot No.(s) PS051Z, PS131Z, & C2442Z.
- M24x60 - Set No. DHGM2400001, Lot No.(s) MA921Z, K2801Z, & C0018Z.
- M24x70 - Set No. DHGM2400119, Lot No.(s) PW801Z, PS921Z, & C2556Z.
- M24x80 - Set No. DHGM2400121, Lot No.(s) PW801Z, PS921Z, & C2556Z.

Unless otherwise noted above all items observed on this day appeared to be in general compliance with the applicable contract documents



Summary of Conversations:

Pertinent conversations are included in the body of the report.

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 1500-0042-02372, who represents the Office of Structural Materials for your project.

Inspected By:	Hernandez,Rene	Quality Assurance Inspector
Reviewed By:	Hall,Steven	QA Reviewer
