

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-008445**Date Inspected:** 26-Jun-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Li Zhi Jiang**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 (QA) Inspector, Hiranch Patel, was present during the times noted above for observations relative to the work being performed.

Bay#2 Segment 1AAE

This QA inspector performed random VT after welding of the shim plate area. The member is identified as segment 1AAW. ZPMC QC-CWI Li Zhi Jiang and ABFJV Wang Wen Bin were present during observation

This QA inspector performed base metal thickness check by UT zero degree on all temporary attachment removal areas on deck plate, bottom plate and side plate. These areas previously tested and accepted by ZPMC Quality Control personnel. The member is identified as segment 1AAE. This QA inspector found that the thickness of the base material was in general compliance of the contract documents on the plate designations as noted below;

Plate Detail- X191A/191B

Plate number- PL1460C- Corner assembly

Plate number- PL882A- Deck Plate

Plate number- PL882B- Deck Plate

Plate number- PL887A- Deck Plate

Plate number- PL897A- Deck Plate

Plate number- PL892B- Deck Plate

Plate number- PL902A- Deck Plate

Plate number- PL892A- Deck Plate

Plate number- PL882B- Deck Plate

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Plate number- PL877B- Deck Plate
Plate number- PL1460D- Corner assembly
Plate number- PL1465D-Side plate
Plate number- PL1474A- Side plate
Plate number- PL1455A- Bottom Plate.
Plate number- PL1476A- Side plate
Plate number- PL1465C- Side plate
Bay#2

This QA inspector performed UT of approximately 10% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. The member is identified as OBG Components. The weld designations reviewed are as follows:

- (FB012-038-043)
- (FB015-042-043)
- (FB011-034-043)
- (FB011-037-043)

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

Summary of Conversations:

No relevant conversations.

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: | Patel,Hiranch | Quality Assurance Inspector |
| Reviewed By: | Prue,Erik | QA Reviewer |
