

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-016919**Date Inspected:** 17-Aug-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:** Xu Tao**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 COMPONENT**Summary of Items Observed:**

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

In process Inspection

Bay #19

This QA Inspector observed the following work in progress:

FCAW in the 4F position for the OBG Bike Path, weld No. BK006A6-002-035/036. The welder is identified as #500909. ZPMC QC is identified as Mr. Xu Tao. The welding variables recorded by QC appear to comply with WPS-B-T-2134.

Bay #9

This QA Inspector observed the following work in progress:

FCAW in the 3G position for the OBG Deck Panel U-rib, weld No. DP3176-001-115. The welder is identified as #062265. ZPMC QC is identified as Mr. Zhang Hai Tao. The welding variables recorded by QC appear to comply with WPS-B-T-2233-Tc-U4b-F.

GMAW in the 2G position for the OBG Deck Panel to U-rib, weld No. DP3172-001~008. The welders are identified as #201788, 059442, 059421 and 059418. ZPMC QC is identified as Mr. Zhang Hai Tao. The welding variables recorded by QC appear to comply with WPS-B-T-2342-U1(U-rib)-5.

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Visual Inspection after Blast at South Tower Lift –II

This Quality Assurance (QA) Inspector performed random visual inspection of south Tower Lift-II outside Skin Plate A to E surfaces after grit blasting. Areas that marked for repair were recorded for future repair. And some areas requiring additional grinding and Magnetic Particle Testing were marked by QA Inspector and repaired by ZPMC personnel.

Ultrasonic Testing (UT) for Segment 11CW

This QA Inspector performed Ultrasonic testing (UT) 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as segment 11CW weld joints.

The welds designation reviewed are as follows:

SEG069A-001,002,003,005

Ultrasonic Testing (UT) for Traveler Rail Bracket

This QA Inspector performed Ultrasonic testing (UT) 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as traveler rail bracket weld.

The weld designation reviewed is as follows:

TR2A-PP80-002

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



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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.

Inspected By:	Bera,Subhasis	Quality Assurance Inspector
Reviewed By:	Patterson,Rodney	QA Reviewer
