

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 #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Casey, William**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-029545**Date Inspected:** 10-May-2013**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site

CWI Name:	Jesse Cayabyab		
Inspected CWI report:	Yes	No	N/A
Electrode to specification:	Yes	No	N/A
Qualified Welders:	Yes	No	N/A
Approved Drawings:	Yes	No	N/A

CWI Present:	Yes	No	
Rod Oven in Use:	Yes	No	N/A
Weld Procedures Followed:	Yes	No	N/A
Verified Joint Fit-up:	Yes	No	N/A
Approved WPS:	Yes	No	N/A
Delayed / Cancelled:	Yes	No	N/A

Bridge No: 34-0006**Component:** SAS Tower**Summary of Items Observed:**

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Caltrans Quality Assurance Inspector (QA) Joe Adame was at the American Bridge/Fluor (ABF) job site at Yerba Buena Island between the times noted above in order to monitor Quality Control functions and the in process work being performed by ABF personnel. The following items were observed:

Pre-Repair Verification of Tower Electroslag Welds (ESW)

QA was present to observe ABF/JV QC Inspector Jesse Cayabyab performing Ultrasonic Testing (UT) verification of designated ESW weld repair locations prior to the start of performing air carbon arc gouging for defect removal.

Locations of the rejectable indications marked for repairs were noted as:

ESW W-043 "V" Face A,B

RWR-201206-044

Y= (Original) 3950mm Scanned 3650mm~4320mm

QA also performed a UT verification of proposed repair locations & HAZ areas to be reinspected after welding.

QA/QC observed one rejectable planar indication. The indication was verified from both faces and is listed as one reject on the report. UT of weld ESW "V" was in accordance with the approved supplemental procedure for confirmation and evaluation of planar type defects. Tandem report for work performed on this date will be completed by QC technician and signed by both QA/QC parties. See TL-6027 for information on items inspected on this date.

On this date QA was present in a meeting with ABF QC, ABF QCM, METS SMR & METS QA representatives.

The parties discussed the new protocol for inspection and reporting of pre-repair verifications, MT excavations,

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UT inspection and the new hold points for QC. The parties also discussed the importance of safety when working in and or around the Tower.

Summary of Conversations:

Only general conversations with ABF/JV QC NDT personnel relevant to work and testing performed during this shift.

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 Gary Thomas (916) 764-6027, who represents the Office of Structural Materials for your project.

Inspected By:	Adame, Joe	Quality Assurance Inspector
Reviewed By:	Mertz, Robert	QA Reviewer
