

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave. St. 150  
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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-029465  
**Date Inspected:** 01-May-2013

**Project Name:** SAS Superstructure  
**Prime Contractor:** American Bridge/Fluor Enterprises, a JV  
**Contractor:** American Bridge/Fluor Enterprises, a JV

**OSM Arrival Time:** 700  
**OSM Departure Time:** 1730  
**Location:** Job Site

<b>CWI Name:</b>	Jesse Cayayab	<b>CWI Present:</b>	Yes	No
<b>Inspected CWI report:</b>	Yes No N/A	<b>Rod Oven in Use:</b>	Yes	No N/A
<b>Electrode to specification:</b>	Yes No N/A	<b>Weld Procedures Followed:</b>	Yes	No N/A
<b>Qualified Welders:</b>	Yes No N/A	<b>Verified Joint Fit-up:</b>	Yes	No N/A
<b>Approved Drawings:</b>	Yes No N/A	<b>Approved WPS:</b>	Yes	No N/A
		<b>Delayed / Cancelled:</b>	Yes	No N/A
<b>Bridge No:</b>	34-0006	<b>Component:</b>	SAS Tower	

**Summary of Items Observed:**

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 Verifications of Tower Electroslag Welds (ESW)**

QA was present to observe ABF/JV QC Inspector Jesse Cayayab 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 E-043 "Q" Face A

RWR-201304-011

RWR-201304-012

Y= (Original) 5475mm Scanned 5170mm~6920mm

Y= (Original) 6335mm Scanned 5170mm~6920mm

QA also performed a UT verification of proposed repair locations & HAZ areas of the repairs to be reinspected after welding. QA/QC observed two rejectable planar indications and three recordable planar indications. 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.

**Summary of Conversations:**

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

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# WELDING INSPECTION REPORT

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## 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.

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<b>Inspected By:</b>	Adame,Joe	Quality Assurance Inspector
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<b>Reviewed By:</b>	Mertz,Robert	QA Reviewer
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