

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-027971
Date Inspected: 16-Jul-2012

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: 1930
Location: jobsite

CWI Name:	John Pagliero	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:	SAS project	

Summary of Items Observed:

This Quality Assurance (QA) Inspector, Craig Hager was on site at the job site between the times noted above. This QA Inspector was on site to randomly observe Quality Control (QC) personnel perform Non-Destructive Testing (NDT) and /or monitor American Bridge/Fluor (ABF) welding operations. This Quality Assurance (QA) Inspector, Craig Hager observed the following.

This QA Inspector worked with QC Inspector John Pagliero performing Ultrasonic Testing (UT) on an Electro Slag Weld (ESW) joint in the Self Anchored Suspension (SAS) Tower, Shear Plates, at the location listed below.

W-043 ("V"): QC Inspector John Pagliero informed this QA Inspector he had completed performing UT using a 70 degree shearwave transducer on Face-A from Y-2000 to Y-3000 and that he had marked both longitudinal and transverse indications on the face of the weld. This QA Inspector performed a UT verification scanning from both sides of the weld for longitudinal and transverse indications. A total of 14 areas were identified as having recordable UT indications; 8 areas contained longitudinal indications and 6 areas contained transverse indications. See Ultrasonic Testing Report (TL-6027) this date for further details.

QC Inspector John Pagliero provided this QA Inspector a copy of the UT inspection report for the weld area scanned the previous day; W-043 (V) for Y-1125 to Y-2000, from Face-A for review. This QA Inspector reviewed the report and concurred with the indications noted on the report for this area and date.

QC Inspector Scott Kortum provided this QA Inspector a copy of the UT inspection report for ESW weld joint W-045 (H) for Y—115 to Y-4000, from scanning Face – B for review. This QA Inspector reviewed the report, both

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

this QA Inspector and QC Inspector Scott Kortum performed UT to verify several of the indications noted on the report and this QA Inspector concurred with the indications noted on the report for this area and date. Note that this area had partially inspected by QC Andrew Keech, prior to this departure from the jobsite several weeks ago. See Ultrasonic Testing Report (TL-6027) this date for further details.

This QA Inspector did not observe welding being performed this date.

Summary of Conversations:

This QA Inspector had general conversations with American Bridge/Fluor (ABF) personnel, QC personnel and Caltrans personnel during the shift. Except as described above there were no notable 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 Nina Choy (510) 385-5910, who represents the Office of Structural Materials for your project.

Inspected By:	Hager,Craig	Quality Assurance Inspector
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Reviewed By:	Levell,Bill	QA Reviewer
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