

**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-028940**Date Inspected:** 02-Jan-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:** See below.**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**Summary of Items Observed:**

Quality Assurance Inspector (QA) Fritz Belford was at the American Bridge/Fluor (ABF) job site at Yerba Buena Island in California 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:

**Welder Jimmy Zhen #6001:**

Welder was observed performing weld repairs on weld 12E E2.1-C1 indications rejected with Visual Testing (VT) by QC Inspectors. Welder was observed utilizing Welding Procedure Specification (WPS) ABF-WPS-D15-1004 Repair for Shielded Metal Arc Welding (SMAW). Welding parameters as verified by QC Inspector Fred Michaels appears to be in compliance with the WPS noted above.

**Welder Richard Chouinard #8959:**

Welder was observed cutting temporary Storm Tie Brackets from the A deck at following locations:

- 5W PP30 W2.1
- 5W PP30 W5.0
- 2W PP19 W5.0
- 2W PP18 W2.1
- 2W PP18 W5.0

Welder was observed cutting using Oxygen/Acetylene and preparing the base metal welded area by grinding for Magnetic Particle Testing (MPT).

Non-Destructive Testing (NDT)

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# WELDING INSPECTION REPORT

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This QA performed Visual, Magnetic Particle and Ultrasonic Testing on the following:

“A” Deck base metal in way of the Storm Tie Brackets welded areas at:

- o 5W PP30 W2.1. (VT & MPT Accept)
- o 5W PP30 W5.0. (VT & MPT Accept)
- o 2W PP19 W5.0. (VT & MPT Accept)
- o 2W PP18 W2.1. (VT & MPT Accept)
- o 2W PP18 W5.0. (VT & MPT Accept)

Weld 13E E2.3:

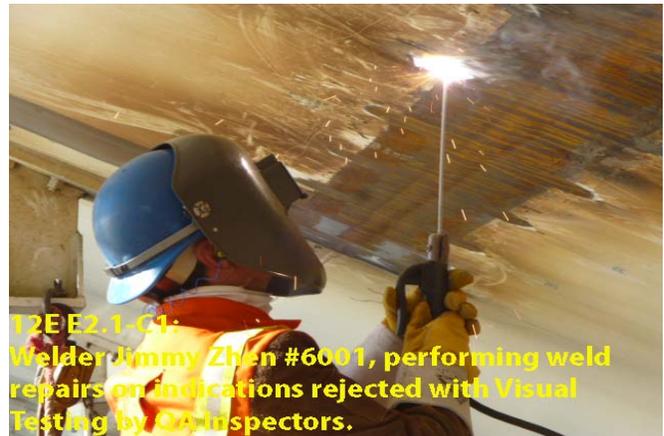
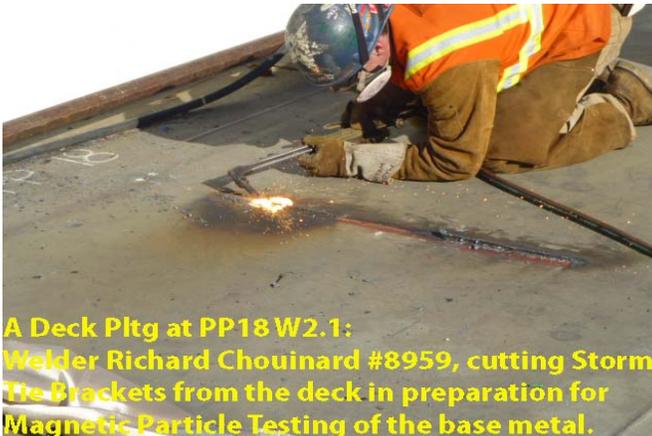
- o 100% UT. (Accept.)

Weld 13W W2.1:

- o Repairs at Y 7781, 7846 & 9725. (UT Accept.)

This QA Inspector completed the report forms TL6028 and TL-6027 on this date noting items acceptance or rejection as per applicable code. The completed and accepted work observed at this location appeared to be in compliance with the contract specifications.

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



## Summary of Conversations:

Conversations this day as required for scope of work.

## 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>	Belford,Fritz	Quality Assurance Inspector
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<b>Reviewed By:</b>	Reyes,Danny	QA Reviewer
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