

**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-029371**Date Inspected:** 05-Apr-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 Jin Quan Huang #9340:**

The welder was observed performing weld repairs on the temporary weld removals on the East OBG End Girder Plate at Panel Point 128.7. Repairs were in way of temporary attachments that were removed and ground flush on the exterior face of the End Girder Plate. The welder was observed welding utilizing the Welding Procedure Specification (WPS) ABF-WPS-D15-F1200A for Shield Metal Arc Welding (SMAW) to fill areas that were ground to deep. The welding parameters were verified by QC Inspector Fred Michaels throughout the day and appeared to be in compliance with the WPS noted above.

**F.W. Spencer Welder Rick Kickvee :**

The welder was observed welding 3" diameter pipe butt welds for the Bike Beam Path water service line. The welds were identified as welds 1/CA2/122.5 /BE & 1/CA2/121.5 /BE. The welder was observed welding utilizing the Welding Procedure Specification (WPS) 1-12-1 for Shield Metal Arc Welding (SMAW). The welding parameters were verified by QC Inspector Bonifacio Daquinag Jr. throughout the day and appeared to be in compliance with the WPS noted above.

**Non-Destructive Testing (NDT)**

This QA performed Visual Testing (VT) and Magnetic Particle Testing (MPT) on the following:

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Bike Path Lifting Lugs at Panel Points 9 to 15:

- 8 locations Tested. VT and MPT Acceptable.

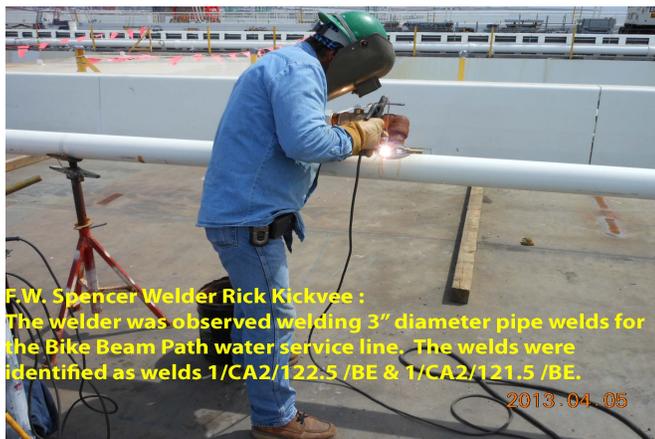
East OBG End Girder Plate at Panel Point 128.7:

- Base Metal Temporary Attachment removals. 80% Tested (VT & MPT Accept)

See TL-6028 for MPT report information.

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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