

**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-028063  
**Date Inspected:** 26-Jul-2012

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

**OSM Arrival Time:** 730  
**OSM Departure Time:** 1600  
**Location:** Job Site

<b>CWI Name:</b>	N / A	<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>	S.A.S. Components	

**Summary of Items Observed:**

The Quality Assurance Inspector (QAI), Scott Croff, was present at the Self Anchored Span (SAS) job site to observe the scheduled fabrication and welding of components for the SFOBB project.

The QAI reviewed contract documents at pier 7. The QAI used approved weekly welding report submittals and cross referenced the welding and inspection status as reported with QA records to identify the overall weld status. The QAI continued checking punch listed items for status / verification. This work was in progress until the end of the shift. The items reviewed included the following list and were relayed to the Assistant Structural Materials Representative Parinaz Aghili.

**Punch List Items:**

- 839 - the stiffeners are not installed yet.
- 3582 - the parts are ready to close access openings.
- 3654 - no work (grinding edges / rat holes) has been performed yet. - very limited access.
- 3724 - there is no safe access to verify welds.
- 3730 - there is no safe access. unable to determine if caulking / plate gaps are acceptable.
- 3760 - the barriers are in place and do not appear to have been cut. 3 sides of base plates have caulk visible.
- 3830 - no tapered shims are visible from the internal splice area.
- 3831 - the parts were bolted as original design, no caulking is visible.
- 3832 - this issue references ladder / grating in 13E, 3 areas appear to have been modified per the bolted channel splice method but the steel used is not the original steel supplied by ZPMC. The installed channel has 24mm flange web where original has 44mm flange web width. Original parts are laying in compartments where ladders /

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grating are installed. There are 2 locations in 13W where this work has not been performed. The photo for reference from ABF is from 13W, not 13E.

3834 - the angle connection plates are not installed and no stiffeners appear to have been moved / removed.

**Summary of Conversations:**

The QAI relayed the status of the document reviews to the QAI Lead Bill Levell. Except as described above, there were no other 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.

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<b>Inspected By:</b>	Croff, Scott	Quality Assurance Inspector
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<b>Reviewed By:</b>	Levell, Bill	QA Reviewer
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