

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-018719**Date Inspected:** 14-Dec-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site**CWI Name:** Chuck Kanapicki**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:** 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 related documents including the submitted and approved Welding Quality Control Plan (WQCP) and approved revisions to the WQCP. The QAI continued the formal review of the contractor's submittal #1536 Rev. 37 and 38. The QAI continued consolidating the information from welding report submittals to identify missing reports of inspections. The QAI continued generating a weld specific tracking list from the contractor's welding reports.

The QAI accompanied Caltrans representative Doug Wright and ABF representative Chuck Kanapicki in conducting the post arrival inspection of voyage 6 Tower Shaft components. During the inspection of North, South, East and West tower shafts, the QAI noted that painted surfaces have been marred from general shipping and handling. There was no other shipping related damage observed during this inspection. The QAI noted that the only parts examined during this post arrival inspection are the tower shafts. The QAI noted that at this time, the struts and cross braces are still being unloaded and are not ready for examination. The QAI was informed that additional post arrival inspections will be scheduled when ready. See the attached photo.

The QAI selected check samples of Geomet coated fastener assemblies that have arrived in the contractor's supply area. The QAI noted that the schedule did not allow for check samples being pulled from the fastener supplier. The QAI met with Caltrans representative Bob Brignano and reviewed the available fasteners. The QAI reviewed the documentation and generated TL-102 reports to accompany the check samples. The QAI issued lot number

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B212-055-10 and B212-056-10 for shipments #4 and 5 respectively. The QAI bagged the representative samples for transport to TransLab. See the attached photo.



### Summary of Conversations:

The QAI had general conversations with ABF and Caltrans personnel during this shift. As noted above, there were general conversations about the appearances of the components examined for the post arrival inspection and for sampling the fastener assemblies. The QAI relayed the observations of post arrival inspection, check samples and the status of document reviews to the QAI Lead Bill Levell. Except as described above, there were no other notable conversations or observations.

### 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
<b>Reviewed By:</b>	Levell,Bill	QA Reviewer

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