

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-028859**Date Inspected:** 06-Dec-2012**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:** S.A.S. Job site**CWI Name:** N / A**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. Structure**Summary of Items Observed:**

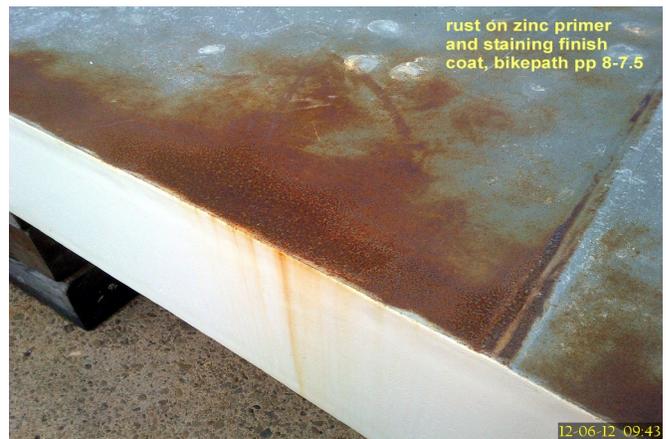
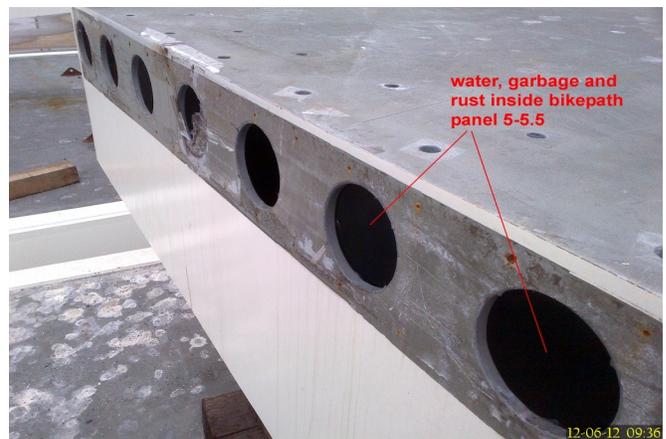
The Caltrans Quality Assurance Inspector (QAI), Scott Croff, was present at the Self Anchored Span (SAS) job site to observe the scheduled fabrication and welding of components for the SFOBB project.

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 reviewing the contractor's weekly welding report package #134, for conformance with the contract requirements. The QAI continued reviewing Electro-Slag Welding (ESW) reports and referencing the Requests for Weld Repair (RWRs) in order to determine the status of completion of the repairs and welds. This work was in progress until the end of the shift.

The QAI examined 3 bikepath panel segments and their supporting cantilever beams / cross beams, to note the conditions of the parts. The QAI noted that all components (bikepath panel 8-7.5, 7.5-5.5, 5.5-5, 2 main support beams, 2 cross beams and 1 additional support beam) have damage to the finish coating and zinc primer coating (where finish coat is not required). The QAI noted that some of the damage appears to be caused by handling, i.e. the corners and other portions are scraped. The QAI noted that panel 5.5-5 has exposed / unfilled holes on the exterior and the visible interior of the panel has water, contaminants and visible rusting. The QAI also noted that this panel has been written on indicating a possible issue with handrail mounting plates. This issue is being researched at this time. See the attached photos of the conditions observed.

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Summary of Conversations:

The QAI relayed the status of the document reviews and the bikepath survey to the QAI Lead Danny Reyes. 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 Gary Thomas, (916) 764-6027, who represents the Office of Structural Materials for your project.

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Inspected By:	Croff, Scott	Quality Assurance Inspector
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Reviewed By:	Reyes, Danny	QA Reviewer
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