

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave. St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 82.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-020124**Date Inspected:** 26-Jan-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** Westmont Industries**Location:** Santa Fe Springs, CA.**CWI Name:** Ruben Dominguez**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:** Travelers**Summary of Items Observed:**

The Quality Assurance Inspector Sean Vance arrived on site at Westmont Industries (WMI) in Santa Fe Springs, CA, to randomly observe the in process welding, QC inspection and non-destructive testing of the Travelers.

Upon the arrival of the QA Inspector, the following observations were made:

**Traveler Test Rack**

On this date, the QA Inspector randomly observed WMI production personnel performing fitting, welding and cutting activities on various assemblies for the Traveler Test Rack.

**SAS-EB Traveler**

On this date, the QA Inspector observed WID Production welder Mr. Charles Newton (WID # 3200) and a helper continuing to perform various fitting and Flux Core Arc welding (FCAW) activities on the Elevated Truss and Fixed Stairs section assemblies.

The QA Inspector observed that the activities were being performed on Tube Steel and plate material. The QA Inspector observed that the activities being performed appeared to be for the final fitup of these sections and that the activities continued throughout the shift.

**E2/E3-EB Traveler**

On this date, the QA Inspector observed WMI production welder Mr. Jose Rodriguez (WID # 3031) continuing to perform Flux Core Arc Welding (FCAW) in various positions on Tube Steel (TS) and connector plate material. The QA Inspector observed that the FCAW was being performed on the frame assemblies identified as A316, A324, A325 A332 and B332, South Side section of the E2/E3-EB Traveler.

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## WELDING INSPECTION REPORT

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On this date, the QA Inspector observed WMI production welder Mr. Cesar Canales (WID # 3195) performing Flux Core Arc Welding (FCAW) tacking and fitting activities on Tube Steel (TS) and connector plate material. The QA Inspector observed that the activities were being performed on the frame assemblies identified as A323, A316, A317, A314, A312, A327 and B327, North Side section of the E2/E3-EB Traveler.

SAS-WB and E2/E3-WB Traveler

On this date, the QA Inspector continued to observe throughout the shift, that 3 WMI production personnel appeared to be cutting Tube Steel and plate material for the SAS and E2/E3 WB Traveler. The QA Inspector observed that a stationary band saw, mechanical shear and automatic flame cutting torches, were being utilized to cut the material.

The QA Inspector randomly observed that Smith-Emery QC Inspector Ruben Dominguez was present, during the above mentioned welding and fitting activities.

During random observation, the QA Inspector observed that the applicable WPS's and copies of the shop drawings, appeared to be located near each work station, where the above mentioned welding and fitting activities were being performed.

The QA Inspector randomly verified that the consumable material, utilized during the welding appeared to be in compliance with the applicable WPS and that the above mentioned welders were currently qualified for the applicable process and position of welding.

The QA Inspector randomly observed QC Inspector Dominguez verifying the in-process welding parameters, including voltage, amperage, pre-heat and travel speed and the parameters appeared to be in compliance to the applicable WPS.

### Summary of Conversations:

The QA Inspector continued conversation with WMI Quality Control (QC) representatives throughout the shift, regarding random issues with the Weekly Weld Report submittals. Regarding the WMI Weekly Weld Reports, the QA Inspector continued to perform courtesy preliminary reviews. prior to WMI formal submittal or re-submittal.

### 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>	Vance,Sean	Quality Assurance Inspector
<b>Reviewed By:</b>	Edmondson,Fred	QA Reviewer

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