

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-021121**Date Inspected:** 12-Feb-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1330**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:**

This 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

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

E2/E3-EB Traveler-South

This QA Inspector observed WMI production welder Mr. Jim Muetzel (WID # 3133) continuing to perform Flux Core Arc Welding (FCAW) in various positions on Tube Steel (TS) and connector plate material. This 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. Additionally, this QA Inspector observed WMI production welder Mr. Eutimo Lopez (WID # 3035) performing Flux Core Arc Welding (FCAW) activities on the above mentioned assemblies. This QA Inspector observed Mr. Lopez performing the FCAW in all positions, throughout the shift.

E2/E3-EB Traveler-North

This QA Inspector observed WMI production welder Mr. Cesar Canales (WID # 3195) continuing to perform Flux Core Arc Welding (FCAW) tacking and fitting activities on Tube Steel (TS) and connector plate material. This QA Inspector observed that the activities were being performed on the frame assemblies identified as A323, A316,

WELDING INSPECTION REPORT

(Continued Page 2 of 3)

A317, A314, A312, A327 and B327, North Side section of the E2/E3-EB Traveler. Additionally, this QA Inspector observed WMI production welder Mr. Juan Jimenez (WID # 3059) continuing to perform Flux Core Arc Welding (FCAW) activities on the above mentioned assemblies, which had been previously fit-up by Mr. Canales. This QA Inspector observed Mr. Jimenez performing the FCAW in all positions, throughout the shift.

See attached picture below.

SAS-EB Traveler

This QA Inspector observed WMI production welder Mr. Richard Fuentes (WID # 3201) and a helper performing cutting activities on Tube Steel (TS) and plate material. This QA Inspector observed that the material had been previously fit and the Flux Core Arc Welding (FCAW) had been previously performed. This QA Inspector noted that the TS material being cut had been previously damaged during a heat straightening attempt by WMI production personnel. This QA Inspector observed that in order to cut out the damaged piece of TS material, that additional TS and plate material, will require cutting, due to the damaged piece of TS material intersecting with additional TS material, creating a welded TYK connection design. This QA Inspector noted that WMI had previously submitted a Request for Information (ABF-RFI-002361R00) in regards to cutting out the damaged piece.

See attached picture below.

This QA Inspector randomly observed that Smith-Emery QC Inspector Ruben Dominguez was present, during the above mentioned welding and fitting activities. During random observation, this 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. This 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. This 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.

This QA Inspector observed that the activities mentioned above, appeared to be in compliance with the contract requirements and this QA Inspector observed no non-conforming issues, on this date.

This QA Inspector continued to perform courtesy preliminary reviews of WMI Weekly Weld Reports, prior to WMI formally submitting to Caltrans for review.

WELDING INSPECTION REPORT

(Continued Page 3 of 3)



Summary of Conversations:

As noted above.

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.

Inspected By:	Vance,Sean	Quality Assurance Inspector
Reviewed By:	Edmondson,Fred	QA Reviewer
