

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 #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002375**Date Inspected:** 16-Nov-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** Office, East Tower Lift #1, OBG 7BE, OBG 6**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

East Tower Lift #1

Internal follow-up inspection on abrasive blasted and undercoated surfaces from 0-9M skins A B C D & E. Applied Interzinc 22 exhibited minor mud crack areas and water damages, sags and runs were evident as well as holidays.

Other location were not abrasive blasted and remained in "Shop Primer" work was incomplete, ZPMC personnel were in process of "sanding" operations to remove runs and sags from applied undercoat.

OBG 7BE

Internal undercoated surfaces Dry Film Thickness (DFT) verification prior to transport from the paint shop to Trail Assembly. Undercoated surfaces appeared to be in general compliance with the contract documents.

OBG 6CW

Internal DFT verification and adhesion testing was performed all adhesion testing values were above specified 4Mpa and DFT was in general compliance with the contract documents.

OBG 7AW

Internal and external surfaces were washed and de-greased in accordance with SSPC SP-1 in preparation of abrasive blasting operations.

Office

Upload and install backlog of TL-6034 reports into PMIV network.

SOURCE INSPECTION REPORT

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Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley when achievable. International Protective Coatings technical service representative were available for inspections and consultation.

Summary of Conversations:

No relevant conversations on this date.

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 Eric Tsang (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
Reviewed By:	Peterson,Art	QA Reviewer
