

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 69.15

SOURCE INSPECTION REPORT

Resident Engineer: Pursell, Gary
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: SIR-002415
Date Inspected: 23-Feb-2010

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:	Don Walton	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

Bid Item: 77, 78, 79

Component: Sub-Assemblies, OBG 7DW, Lift 5 East

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:

Sub-Assemblies

ZPMC requested a "Final" Finish coat inspection on Counterweights 32 & 34 six Bikeway Cantilever Brackets and eight Traveler Rail Brackets, all items listed above were determined to be in general compliance with the contract documents Caltrans Engineer Bill Howe during a joint inspection. Items codes listed on Notice of Inspection # 2737. Final reports are pending.

OBG 7DW

ZPMC requested a "Final" inspection on the internal undercoated surfaces prior to removal from the paint shop. Visual Inspection exhibited that the work was still in process and incomplete at the time requested for inspection. Lift 5 East

ZPMC requested a "Final" inspection of undercoated surfaces on the internal from panel points 29, 30, 31, 32, 33 including the end weld seam. Internal areas exhibited Mud Crack areas of Interzinc 22 undercoat which required additional work for amendment. Also after this inspection was performed ZPMC submitted another notice of inspection for the Internal Bottom and Side Plate areas for repairs from trial Assembly operations and "rust stain" removal. Work was performed by abrasive blasting the affected areas of base metal to an SSPC SP-10 condition and re-application of Interzinc 22 undercoat from Panel Point 36 to the end weld seam. Profile amplitude was 74-84µm.

Sub-Assemblies

SOURCE INSPECTION REPORT

(Continued Page 2 of 2)

Base metal surfaces of 24 Wind Vortex Plates were washed and de-greased in accordance with SSPC SP-1 in preparation of abrasive blasting operations.

Lift 5 East

ZPMC requested a "Final" inspection on the undercoated surfaces of the internal Upper "U" rib Stiffeners, FL-2-1, Upper Chevron Assemblies and Upper portions of the Floor Beam Diaphragms from Panel Points 29-30 & 30-33 the work was determined to be incomplete at the time of inspection and previously noted deficient areas required amendment.

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
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Reviewed By:	Peterson,Art	QA Reviewer
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