

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 #: 73.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-004551**Date Inspected:** 28-Oct-2008**Project Name:** SAS Superstructure**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Contractor:** HoChang, Korea**OSM Arrival Time:** 900**OSM Departure Time:** 1700**Location:** UnYang, Korea

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:	PIER E2 Bearing and Shear Key	

Summary of Items Observed:

The following report is based on METS observations at HoChang Machinery Industries. Current work: Casting, forging and machining.

On this date the Caltrans Quality Assurance (QA) inspector, Dong J. Shin arrived at HoChang Machinery Industries (HCMI) located at Ulsan, Korea. The Purpose of this trip was to observe the quality control during fabrication and process of following items.

Forging

1. Bearing Bottom Housing (F07302-010)
2. Bearing Bottom Housing (F07302-020)
3. Bearing Bottom Housing (F07302-030)
4. Bearing Bottom Housing (F07302-040)
5. Spherical Ring (F07302-050)
6. Spherical Ring (F07302-060)

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7. Spherical Ring (F07302-070)

8. Spherical Ring (F07302-080)

9. Solid Shaft (F07302-090)

10. Solid Shaft (F07302-100)

11. Solid Shaft (F07302-110)

12. Solid Shaft (F07302-120)

Casting

This day, QA Inspector visited HCMI machine shop #2 and HCMI paint shop and met person who will be in charge of this project and discussed handling, communication, and quality control documentation. Also discussed current status of forging and casting making in Doo San Heavy Industry (DSHI).

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 Jinesh K, Mehta 951-840-0541, who represents the Office of Structural Materials for your project.

Inspected By:	Shin,DJ	Quality Assurance Inspector
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Reviewed By:	Lanz,Joe	QA Reviewer
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