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 #: 73.28

WELDING INSPECTION REPORT

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

Report No: WIR-004874
Date Inspected: 05-Dec-2008

Project Name: SAS Superstructure
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Contractor: HoChang, Korea

OSM Arrival Time: 800
OSM Departure Time: 1900
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 Unyang, Korea. The Purpose of this trip was to observe quality control during fabricate and process of following items.

Forging

1. Bearing Bottom Housing (B1-07/F07302-010): Move to HCMI for rough machining.
2. Bearing Bottom Housing (B2-07/F07302-020): Continue to rough machining
3. Bearing Bottom Housing (B3-07/F07302-030): Move to HCMI for rough machining.
4. Bearing Bottom Housing (B4-07/F07302-040): Move to HCMI for rough machining.
5. Spherical Ring (S1-07/F07302-050): complete rough machining.
6. Spherical Ring (S2-07/F07302-060): complete rough machining.
7. Spherical Ring (S3-07/F07302-070): complete rough machining.
8. Spherical Ring (S4-07/F07302-080): complete rough machining.
9. Solid Shaft (B1-02/F07302-090): complete rough machining.
10. Solid Shaft (B2-02/F07302-100): complete rough machining.
11. Solid Shaft (B3-02/F07302-110): complete rough machining.
12. Solid Shaft (B4-02/F07302-120): complete rough machining.

• F number is DooSan Production Number.
• B number is drawing Number .

Casting

1. Bearing Top Housing(B1-06, C07039-010): Waiting for raiser cut
2. Bearing Top Housing(B2-06, C07039-020): Sand removal
3. Bearing Top Housing(B3-06, C07039-030): Sand removal
4. Bearing Top Housing(B4-06, C07039-040): Molding work
5. Bearing Hold Down Assembly (B1-01-1, C07039-050): Waiting for raiser cut
6. Bearing Hold Down Assembly (B1-01-2, C07039-060): Waiting for raiser cut
7. Bearing Hold Down Assembly (B2-01-1, C07039-070): Sand removal
8. Bearing Hold Down Assembly (B2-01-2, C07039-080): Finished pouring
9. Bearing Hold Down Assembly (B3-01-1, C07039-170): Finished pouring
10. Bearing Hold Down Assembly (B3-01-2, C07039-180): Molding work
11. Bearing Hold Down Assembly (B4-01-1, C07039-190): Molding work
12. Bearing Hold Down Assembly (B4-01-2, C07039-200): Molding work
13. Shear Key Stub(S1-01, C07039-090) : Waiting for raiser cut
14. Shear Key Stub(S2-01, C07039-100) : Sand removal
15. Shear Key Stub(S3-01, C07039-110) : Finished pouring
16. Shear Key Stub(S4-01, C07039-120) : Molding work
17. Shear key Housing(S1-03, C07039-130): Sand removal
18. Shear key Housing(S1-03, C07039-130): Sand removal
19. Shear key Housing(S1-03, C07039-130): Finished pouring
20. Shear key Housing(S1-03, C07039-130): Molding work

* S and B number is drawing number.
* C number is DSHI ID number

WELDING INSPECTION REPORT

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WELDING INSPECTION REPORT

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Summary of Conversations:

Discuss Mr. S. H. Kwak regarding current status of NDE procedure and fabrication procedure comments.

Check machining schedule of bearing bottom housing with Mr. S. H. Kwak.

Ask production schedule of casting.

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
Reviewed By:	Lanz,Joe	QA Reviewer