DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
MATERIALS ENGINEERING AND TESTING 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
FAX: (707) 649-5493

Contract # : 04-0120E4
Cty SF Rte 80 PM 13.4/13.8
File # 31.25 B

QUALITY ASSURANCE - NONCONFORMANCE REPORT

Location: Eaton Metal Products, Salt Lake City, UT — Date: 12-29-2005

Prime Contractor: Kiewit/ FCI/Manson (KFM) — **NCR #32**

Submitting Contractor: Eaton Metal Products (EMP)

Type of problem:

Welding	☐	**Concrete**	☐	**Other**	☒
Welding:	☐	**Curing:**	☐	**Procedural:**	☐
Joint fit-up:	☐	**Coating:**	☐	**Other:**	☒ QC NDT Oversight
Procedural:	☐	**Procedural:**	☐		

Description of Non-Conformance: Caltrans Quality Assurance (QA) located an area of weld metal not conforming to project specifications that was previously inspected and accepted by Professional Service Inspection (PSI) Quality Control (QC) UT Level II technician Mr. Chester Beard.

On this date, QA inspector completed random ultrasonic testing (UT), for verification, of completed and previously QC accepted complete joint penetration long seam welds associated with E2/T1 pile sleeves. One of the welds randomly examined, a non-conforming area was found to exist. The rejectable indication is identified by American Welding Society (AWS), Bridge Welding Code D1.5-2002, as a Class A (large flaw). This non-conforming area is for the following weld on the listed pile sleeve.

Plate / long seam #	Date of QA UT verification testing / report.	QA Representative.
65mm Plate #31p	12/29/05	Dave Flygare

Applicable reference: Eaton Metal Products Welding Quality Control Plan, Section 8 – Inspection, AWS D1.5-2002 Section 6.26.3.1 (Table 6.3 Tensile Stress) and Special Provisions Section 8-3.01 Welding.

Who discovered the problem: Quality Assurance representative, Dave Flygare

Name of individual from Contractor notified: James Barton, EMP Quality Control

Time and method of notification: 1630 hours, 01-03-06, verbal notification

Name of Caltrans Engineer notified: Mark Vilcheck, Structure Representative

Time and method of notification: 01/06/06 at 1430 hours via email

QC Inspector's Name: PSI Quality Control Mr. Chester Beard

Was the QC Inspector aware of problem: Yes

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Contractor's proposal to correct the problem: None provided at this time.

Comments: This report is for the purpose of determining general 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 Ryan Smith, (858) 232-6799, who represents the Office of Structural Materials for your project.

Inspected By: David Flygare — Quality Assurance Inspector

Reviewed By: Jim Cochran — Lead QA Inspector

Hardcopy Routing Instructions:
1. Resident Engineer *2. Inspecting Branch Contract File* *3. Responsible Branch Contract File (with supporting documentation)*

DEPARTMENT OF TRANSPORTATION - District 4 Toll Bridge Program
333 Burma Rd.
Oakland, CA 94607
(510) 286-0538, (510) 286-0550 fax

Kiewit-FCI-Manson, JV
220 Burma Rd.
Oakland, CA 94607

Attn: Mr. Christopher Villa
Deputy Project Director

March 16, 2006

Contract No. 04-0120E4
04-SF-80-13.4, 13.8
SAS T1 & E2 Foundations
SFOBB-ESSSP

Letter No. 05.003.01-000919

Subject: Response to Submittal No. 372, Revision No. 00 (Eaton Metal Products Response to NCR Issued by State Letter 811)

Dear Christopher,

The Department has reviewed Kiewit-FCI-Manson Submittal No. 372, Revision No. 00, dated March 1, 2006. This Submittal responded to the Department's Letter No. 811 dated February 13, 2006, which notified KFM of a Non-conformance Report (NCR) for Eaton Metal Products (EMP) dated December 29, 2005. The Department hereby approves Submittal No. 372, Revision No. 00, pursuant to Section 8-3.01, "Welding," of the Special Provisions. The NCR for EMP dated December 29, 2005, is considered to be resolved.

If you have any questions or need additional information, please contact Mark Vilcheck at (510) 286-0526.

Sincerely,

<<< ORIGINAL SIGNED >>>

Mark Vilcheck
Structure Representative

For: Pedro J. Sanchez
Resident Engineer

cc: P. Sanchez
M. Woods
R. Smith

file: 05.003.01, 09.006.03, 55.372