

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 # 45 .25 B

QUALITY ASSURANCE - NONCONFORMANCE REPORT

Location: Kiewit Offshore Services (KOS)

Date: March 2, 2006

Prime Contractor: Kiewit/FCI/Manson (KFM) – Joint Venture

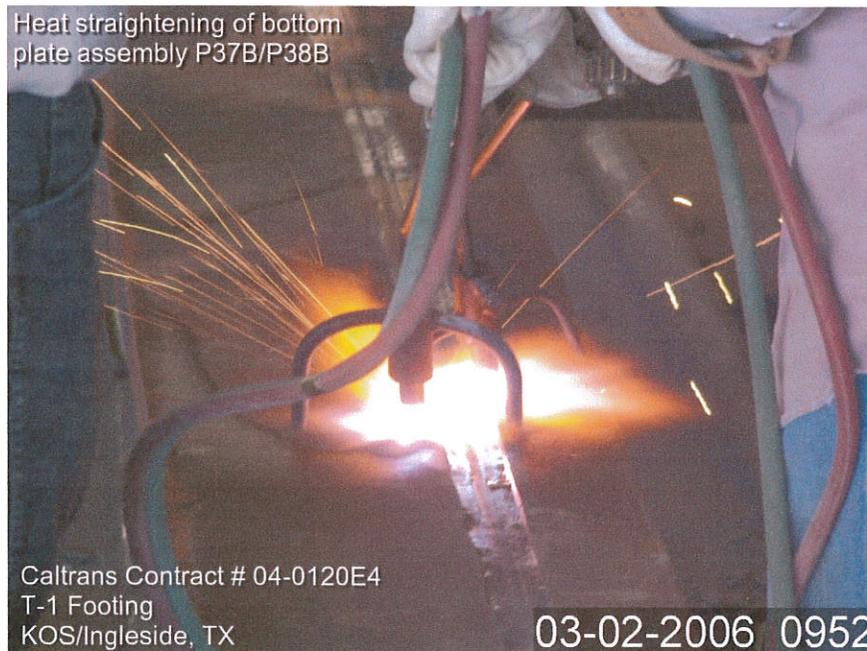
NCR # 061

Submitting Contractor: KOS

Type of problem:

- | | | | |
|---|---|--|--|
| Welding <input type="checkbox"/> | Concrete <input type="checkbox"/> | Other <input checked="" type="checkbox"/> | Heat Straightening Procedure |
| Welding: <input type="checkbox"/> | Curing: <input type="checkbox"/> | Procedural: <input type="checkbox"/> | Bridge No.: 34-0006L/R |
| Joint fit-up: <input type="checkbox"/> | Coating: <input type="checkbox"/> | Other: <input type="checkbox"/> | Component: T-1 Footing/Bottom Plate
Assembly joining piece #'s P37B & P38B |
| Procedural: <input type="checkbox"/> | Procedural: <input type="checkbox"/> | | |

Description of Non-Conformance: KOS performed heat straightening on bottom plate assembly joining P37B and P38B in an effort to remove distortion with out approval from the Engineer. KOS applied a total of six passes of heat to this bottom plate assembly over a period of thirty-six (36) hours. Following are digital photographs illustrating KOS in the process of heat straightening the identified bottom plate assembly.



QUALITY ASSURANCE - NONCONFORMANCE REPORT

(Continued, Page 2 of 3)



Applicable reference: AWS D1.5 (2002) Section 3.7.3, Caltrans Standard Specifications, Section 55-3.02.

Who discovered the problem: Caltrans QA Inspector Mary Madere

Name of individual from Contractor notified: George Barnhill, KOS Quality Control Representative (QC)

Time and method of notification: Verbal with George Barnhill and Eloy Gonzales on March 2, 2006 at approximately 0900 hours

Name of Caltrans Engineer notified: Mark Vilcheck, Structure Representative

Time and method of notification: March 2, 2006 at approximately 1700 hours via phone conversation.

QC Inspector's Name: Eloy Gonzales

TL-15, Nonconformance Report (10/27/05)

Page 2 of 3

Hardcopy Routing Instructions:

1. Resident Engineer

2. Inspecting Branch Contract File

3. Responsible Branch Contract File (with supporting documentation)

QUALITY ASSURANCE - NONCONFORMANCE REPORT

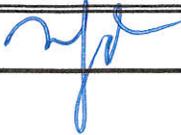
(Continued, Page 3 of 3)

Was the QC Inspector aware of problem: Yes

Contractor's proposal to correct the problem: Unknown as of 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: Mary Madere



Quality Assurance Inspector

Reviewed By: Mahlon Lindenmuth 

Lead QA Inspector

QUALITY ASSURANCE - NONCONFORMANCE REPORT

(Continued, Page 2 of 3)



Applicable reference: AWS D1.5 (2002) Section 3.7.3, Caltrans Standard Specifications, Section 55-3.02

Who discovered the problem: Caltrans QA Inspector Mary Madere

Name of individual from Contractor notified: George Barnhill, KOS Quality Control Representative (QC)

Time and method of notification: Verbal with George Barnhill and Eloy Gonzales on March 2, 2006 at approximately 0900 hours

Name of Caltrans Engineer notified: Mark Vilcheck, Structure Representative

Time and method of notification: March 2, 2006 at approximately 1700 hours via phone conversation.

QC Inspector's Name: Eloy Gonzales

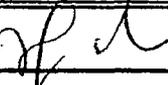
QUALITY ASSURANCE - NONCONFORMANCE REPORT

(Continued, Page 3 of 3)

Was the QC Inspector aware of problem: YES

Contractor's proposal to correct the problem: Unknown as of 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: Mary Madere 

Quality Assurance Inspector

Reviewed By: Mahlon Lindenmuth

Lead QA Inspector

DEPARTMENT OF TRANSPORTATIONDIVISION 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



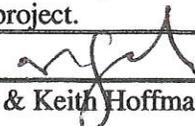
Contract # : 04-0120E4

Cty SF Rte 80 PM 13.8

File # 45.25A

QUALITY ASSURANCE - NONCONFORMANCE RESOLUTION**Location:** Ingleside, Texas**Date:** July 17, 2006**Prime Contractor:** Kiewit/FCI/Manson (KFM) – Joint Venture**NCR#61****Submitting Contractor:** Kiewit Offshore Services (KOS)**Type of problem:****Welding** **Concrete** **Other** **Heat Straightening Procedure****Welding:** **Curing:** **Procedural:** **Joint fit-up:** **Coating:** **Other:** **Procedural:** **Procedural:** **Bridge No.** 34-0006L/R**Component** T1 Foundation Footing, Bottom plate assembly joining P37B/P38B**Date nonconformance report was written:** March 2, 2006**Description of Non-Conformance:** KOS performed heat straightening on bottom plate subassembly P37B/P38B in an effort to remove distortion without approval from the Engineer. KOS applied a total of six passes of line heat to this bottom plate subassembly over a period of thirty-six hours.**Contractor's proposal to correct the problem:** KOS submitted a heat-straightening request to Caltrans for approval on March 6, 2006 and a letter asking Caltrans to accept the work that was done in order to avoid delays in fabrication.**Corrective action taken:** None**Did corrective action require Engineer's approval?** Yes No**If so, name of the Engineer providing approval:** Mark Vilcheck, per Caltrans state letter **Date:** 7-17-06

05.003.01-001530

Is Engineer's approval attached: Yes No**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:** Mary Madere 

Quality Assurance Inspector

Reviewed By: Robert Cuellar & Keith Hoffman 

QA Reviewer and Branch Senior

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

July 17, 2006

Attn: Mr. Christopher Villa
Deputy Project Director

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

Letter No. 05.003.01-001530

Subject: Response to Submittal No. 689, Revision No. 00 (KOS Response to NCR Issued by State Letter 1030)

Dear Christopher,

The Department has reviewed Kiewit-FCI-Manson Submittal No. 689, Revision No. 00, dated June 27, 2006. This Submittal responded to the Department's Letter No. 1030 dated April 13, 2006, which notified KFM of a Non-conformance Report (NCR) at Kiewit Offshore Services (KOS) in Ingleside, Texas, on March 2, 2006, for performing heat straightening without the Engineer's prior approval. The Department hereby approves Submittal No. 689, Revision No. 00, pursuant to Section 8-3.01, "Welding," of the Special Provisions. The NCR for KOS issued on March 2, 2006, is considered to be resolved.

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

Sincerely,

Mark Vilcheck
Structure Representative

For: Pedro J. Sanchez
Resident Engineer

cc: P. Sanchez
M. Woods
R. Smith

file: 05.003.01, 09.006.03, 55.689



Kiewit

Chris Webb
QCM KFM JV.
Oakland, CA

Date: 04/20/06

Subject: WQCP Addendum #18

Chris,

Attached are nine (9) copies of WQCP Addendum #18. Please forward to the appropriate parties. If you have any questions, I can be reached at (361) 775-4420 or cell (361) 385-0189.

Regards,

A handwritten signature in black ink, appearing to read 'George Barnhill'.

George Barnhill
QCM KOS
Ingleside, TX

Cc: Scott Cheney
Mike Brown



Subject:

Changes to Caltran's T1 Footing – WQCP

UPDATED

Apr 20, 2006

Contract No. 04-0120E4, SAS T1 Foundations

Section/Tab

Action / Pages effected / changes

Section 1, Tab E
(QC Organization Chart)

REPLACE this section.
Revised chart, adding new CWI - Douglas Aguilar

Section 1, Tab G
(QCM/CWI/CAWI Qualifications
and Certifications)

ADD to this section.
New CWI Inspector's resume and certificate – Douglas Aguilar

Section 1, Tab P-3
(Heat Straightening Request)

ADD to this section.
Heat Straightening Procedure Submittal Process

Addendum 18
Replace this section

Section 1, Tab E

(Organization Chart)

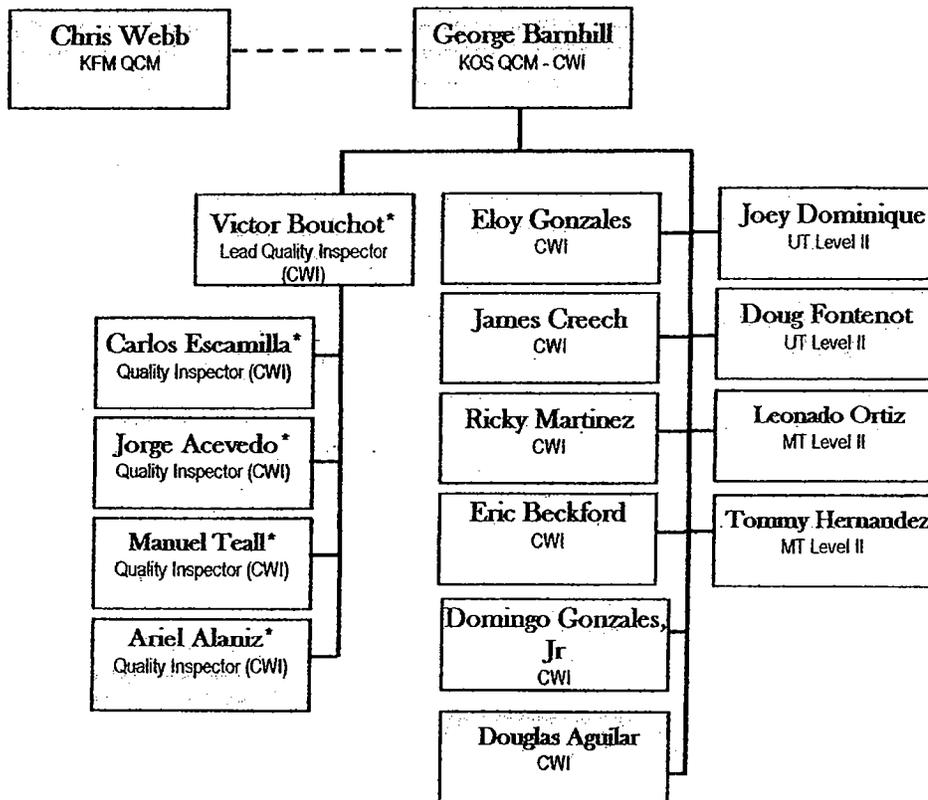


Kiewit

Revision # 6

Subject to Change

KOS Quality Organizational Chart For T1 Tower Footing San Francisco Oakland Bay Bridge



* Will be used when needed.

Note: All new inspectors added to project will be submitted to Caltrans as an Addendum

Addendum 18
Add to this section

Section 1, Tab G

(QCM/CWI/CAWI Qualifications and
Certifications)

WALZEL

TECHNICAL SERVICES

PERSONAL DATA

Name: Douglas Aguilar

EDUCATION

Baseline Data (Weld Inspection) – Portland, TX
Coastal Bend College (Advanced Welding/Fabrication/Layout)

CERTIFICATION

CWI Certification #04100171

SUMMARY

Certified Welding Inspector with welding background and experience in the industrial construction field including Production Platforms, Refinery Turnarounds, Shutdowns, & Maintenance.

EMPLOYMENT

All-Tech Inspection Visual Inspector Various visual inspection projects including Conoco Philips Refinery turnaround in Borger, TX	12/05 to Present
Ridlehuber Construction 1 st Class Structural Welder Welding and visual inspection and general maintenance of completed work	05/05 to 11/05
All-Tech Inspection Visual Inspector Inspection for refinery turnarounds.	2005
Kiewit 1 st Class Structural Welder Perform welding for various new construction and repair projects being located at facility in Ingleside, TX	12/02 to 04/04
Johnson Manufacturing 1 st Class Structural Perform various welding projects in Victoria, Tx.	03/01 to 11/02



American Welding Society

Certifies That
WELDING INSPECTOR
Douglas C Aguilar

Has complied with the requirements of Section 6.1 of the AWS Standard for
Qualification and Certification of Welding Inspectors, QC1-96

with without eye correction, color blind

James C. Greer

AWS President

AWS Certification Chair



04100171

Certificate Number
October-07

Recertify by

WALZEL TECHNICAL SERVICES
PERSONNEL TRAINING AND CERTIFICATION

EYE EXAMINATION RECORD

ATTACHMENT G

THIS VISION CERTIFICATION IS TO CERTIFY THAT Douglas Aguilar
HAS NATURAL OR CORRECTED NEAR-DISTANCE ACUITY IN AT LEAST ONE EYE,
AND IS CAPABLE OF READING A MINIMUM OF JEAGER NUMBER 1
OR EQUIVALENT TYPE OF SIZE LETTERS AT A DISTANCE OF NOT LESS THAN 12
INCHES (30.5 CM) ON A STANDARD JEAGER TEST CHART. HE/SHE IS ALSO
CAPABLE OF DISTINGUISHING AND DIFFERENTIATING CONTRAST BETWEEN
COLORS USED IN THE MAJOR NDE METHODS.

RESULTS

1. NEAR-DISTANCE ACUITY: WITHOUT J- _____ WITH J- 1+
CORRECTIVE LENS.
2. DISTANCE VISION: WITHOUT J- _____ WITH J- L 20/25 R 20/25
CORRECTIVE LENS.
3. COLOR VISION: PASSED WNL NO. PLATES 14

Gustavo Bedangse

SIGNATURE OF ADMINISTRATOR

4-20-06

DATE

Douglas Aguilar

SIGNATURE OF WALZEL TECHNICIAN

4-20-06

DATE

THE ABOVE DATA MEETS THE REQUIREMENTS OF SNT-TC-1A

Addendum 18
Add to this section

Section 1, Tab P-3

(Heat Straightening Request)

T1 Footing Heat Straightening Procedure Submittal Process

- Submit heat straightening request via email to METS on-site representative (Robert Cuellar), and to KFM (Chris Webb, and John Berggren)
- The on-site METS representative is to review the heat straightening request and provide verbal approval to KOS' QCM (George Barnhill).
- All heat straightening is to follow KOS' Heat Straightening Procedure YP 5.1 contained in the WQCP.
- IF after heat straightening with (4) applications of heat, and the plate or weld joint requires further straightening, KOS is to submit and amended HSR to the on-site METS representative for additional heat applications. The heat straightening is on hold until the on-site METS representative gives verbal approval for additional heat straightening applications.
- For weekend approvals the on-site representative is to designate an alternate representative if he is unavailable.