



P.O. BOX 23223 Oakland, CA 94623  
Phone (510) 419-0120 / Fax (510) 839-0666

**LETTER OF SUBMITTAL**  
**KFM Skyway Project # 04-012024**

Run Date 04-Jan-06  
Time 2:11 PM

Dated: 04-Jan-2006

SUBMITTAL No: KFM-SUB-005906

Rev: 00

To: Doug Coe  
Caltrans-Skyway Project  
345 Burma Road  
Oakland CA 94607  
Phone: Fax:

Co/Job # 364-3726  
Contract # 04-012024  
Sub/Supplier: USI  
Sub/Supplier No: USI-TRN-1469

Subject: USI- Documentation to clear NCR 188 (METS 176)

Special Provis. (SP) REF: 10-1.44  
Standard Spec. (SS) REF:

RESUBMITTAL/SUPPLEMENTAL REF:

We are sending the following attached items:  Attached  Via Fax

- Drawing
- Samples
- Payroll
- Change Order
- Plans
- Certificates of Compliance
- Specs
- Schedule
- Prog. Pmt
- Calculations
- Copy of Letter
- Invoice

Item	Date	Copies	Description	Drawing No	Rev	Status	Pages
01	04-Jan-06	1	USI- Documentation to clear NCR 188 (METS 176)		0	Pending	

These are transmitted as checked below:

- For Approval
- For Your Use
- For Review/comment
- As Requested
- Return For Correction
- For Information

Remarks:

Please see attached USI- Documentation to clear NCR 188 (METS 176)

CC:

Please review / approve by : 09-Jan-2006

Submitted By: P. Hegarty  
Paul Hegarty  
(KFM Staff Member - Originator of Transmittal)

Checked & Sent By: SBurke  
Contract Admin/DCS Staff



# UNIVERSAL STRUCTURAL, INC.

604 SE. Victory Ave.  
Vancouver, WA 98661

P.O. Box 1030  
Vancouver, WA 98666

Vancouver (360) 695-1261  
Portland (503) 227-2419  
FAX (360) 696-3590

December 21, 2005

Kiewit / FCI / Manson, JV (KFM)  
220 Burma Road  
Oakland, CA 94607  
Phone: (510) 419-0120  
Fax: (510) 839-0666

Attention: Paul Hegarty / Rich Bienek

Reference: SFOBB Skyway Project  
USI #23932 (NCR LTR# 188.122105)

Subject: Response to Caltrans State Letter #5.03.1-008455  
KFM NCR #187 188

Mr. Hegarty & Mr. Bienek,

Universal Structural, Inc. has received Caltrans State Letter 5.03.1-008455 dated August 11, 2005.  
Caltrans Stated:

*"USI quality control failed to report rejectable indications on Assembly 1A diaphragm pa58 (weld joint33) and diaphragm pa83 (weld joint 7)."*

UT testing have been tightened in order to establish a higher level of confidence regarding the interpretation of indications. The new approach includes the cross-checking of results by the more experienced QC operators on difficult joint configurations and 'recordables'.

Please review attachments and submit to Caltrans for a letter to close this NCR

Attachments:

- Copy of - Caltrans State Letter 5.03.1-008455 (Caltrans/METS NCR#176)
- Copy of - Caltrans Pre-notification Letter dated 7/31/05.
- Copy of - USI Ultrasonic Test Reports for weld joints# 33 and #7.

Sincerely,  
Universal Structural, Inc.

Nate Lindell  
QC Manager



USI file

Category III

A Subsidiary of  
HARDER MECHANICAL CONTRACTORS



## DEPARTMENT OF TRANSPORTATION

SFOBB - Skyway Project  
345 Burma Road  
Oakland, CA 94607  
Facsimile Number: (510) 622-5165



Flex Your Power  
Be Energy Efficient!

August 11, 2005

KFM, a JV  
220 Burma Road  
Oakland, CA 94607

188

Contract: 04-012024  
04-SF, Ala-80-13.9/14.3, 0.0/1.6  
SFOBB Skyway Project  
State Letter # 5.03.1-008455

*Subject: USI NCR No. 176: Failure to Report Rejectable Indications*

Dear Mr. Zink,  
Attention: Mr. Rich Bienek,

This Non-Conformance Report (NCR) is issued by the Engineer to KFM as a result of your supplier, USI, for the following reason:

1. USI quality control failed to report rejectable indications on Assembly 1A diaphragm pa58 (weld joint 33) and diaphragm pa83 (weld joint 7)

This NCR will be tracked as USI NCR No. 176. USI was verbally notified of this NCR by Caltrans' METS on 07/31/05. Please review and address how you plan to resolve this NCR and bring your work back into compliance with our contract.

Should you have any questions, please contact David Wu at (510) 622-5104 or Patrick Lowry at (858) 344-2712.

Sincerely,

<<< ORIGINAL SIGNED >>>

David Wu  
Senior Bridge Engineer

For: Mr. Douglas Coe  
Resident Engineer

cc: P. Lowry, D. Coe, D. Wu, B. Chew, V. Iyer, I. Kwong, D. Salladay

file: 5.03.1, 9.03.8

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 #: 04-012024  
Cty SF, Ala Rte 80 PM 13.9/14.3, 0.0/1.6  
File # 10.25.B

### QUALITY ASSURANCE - NONCONFORMANCE REPORT

**Location:** Vancouver, Washington  
**Prime Contractor:** Kiewit, FCI and Manson (KFM)- A Joint Venture  
**Submitting Contractor:** Universal Structural Inc.- (USI)

**Date:** 07-31-2005  
**NCR#** 176

**Type of problem:**

*KFM/mcn  
188*

Welding	<input checked="" type="checkbox"/>	Concrete	<input type="checkbox"/>	Other:	<input checked="" type="checkbox"/>
Welding:	<input checked="" type="checkbox"/>	Curing:	<input type="checkbox"/>	Procedural:	<input type="checkbox"/>
Joint fit-up:	<input type="checkbox"/>	Coating:	<input type="checkbox"/>	Other:	<input type="checkbox"/>
Procedural:	<input type="checkbox"/>	Procedural:	<input type="checkbox"/>		

**Description of Non-Conformance:** USI Quality Control Inspectors failed to record rejectable indications on Wing Diaphragm assemblies CJP welds. Caltrans QA Inspector Joe Adame observed Class "A" indications with decibel ratings of a +8 & +7 on Diaphragm Pa-58(WJ# 33) and diaphragm Pa-83(WJ#) on Assembly 1A. This was observed during a random verification inspection of repaired areas.

**Applicable reference:** AWS D1.5- (1996) section 9.21.3.1, Contract 04-012024 Special Provisions Section 8.3

**Who discovered the problem:** Caltrans QA Inspector Joe Adame.

**Name of individual from Contractor notified:** QC Inspector Roger Fife.

**Time and method of notification:** 07-31-05, in person at 12:30.

**Name of Caltrans Engineer notified:** Ida Kwong

**Time and method of notification:** 8/4/05, email

**QC Inspector's Name:** Roger Fife.

**Was the QC Inspector aware of problem:** No

**Contractor's proposal to correct the problem:** No proposal has been submitted 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 Patrick Lowry, (858) 344-2712, who represents the Office of Structural Materials for your project.

Inspected By: Joe Adame

Quality Assurance Inspector

Reviewed By: Dave McClary

Lead QA Inspector





# Universal Structural, Inc.

a subsidiary of

HARDER MECHANICAL CONTRACTORS, INC.

604 S.E. Victory Avenue, Vancouver, WA. 98661

P.O. Box 1030, Vancouver, WA. 98666

Phone: Vancouver (360) 695-1261 - Portland (503) 227-2419

Fax: (360) 696-3590

## LETTER OF TRANSMITTAL

**NO:** 1469

**DATE:** December 21, 2005

**PROJECT:** SFOBB Skyway Structure

**JOB NO.:** 23932

**ATTENTION:** Paul Hegarty / Rich Bienek

**TO:** KFM

220 Burma Road  
Oakland, CA 94607

WE ARE SENDING YOU

- |   |                                       |                                       |   |
|---|---------------------------------------|---------------------------------------|---|
| <input type="checkbox"/> Shop Drawings  | <input type="checkbox"/> ATTACHED     | <input type="checkbox"/> Prints       | <input checked="" type="checkbox"/> NCR Responses |
| <input type="checkbox"/> Copy of letter | <input type="checkbox"/> Change order | <input type="checkbox"/> Change order | <input type="checkbox"/> Samples                  |
|   |                                       | <input type="checkbox"/> Plans        | <input type="checkbox"/> Specifications           |

COPIES	ITEM	DESCRIPTION / REMARKS
1 Original	NCR / KFM # 116	Caltrans State Letter # 5.03.1-007553 USI Letter # 116.122105
1 Original	NCR / KFM # 62	Caltrans State Letter # 5.03.1-005835 USI Letter # 62.122105
1 Original	NCR / KFM # 241	Caltrans State Letter # (Pending) USI Letter # 241.121505
1 Original	NCR / KFM # 201	Caltrans State Letter # 5.03.1-008580 USI Letter # 201.122105
1 Original	NCR / KFM # 188	Caltrans State Letter # 5.03.1-008455 USI Letter # 188.122105

THESE ARE TRANSMITTED AS CHECKED BELOW

- For Approval   
  For your use   
  As Requested   
  FOR BIDS DUE \_\_\_\_\_

**REMARKS:**

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**Copy To:** \_\_\_\_\_

**Signed:** \_\_\_\_\_

Nate Lindell

If enclosures are not as noted, kindly notify us at once.

FOR NATE  
LINDELL



P.O. BOX 23223 Oakland, CA 94623  
 Phone (510) 419-0120 / Fax (510) 839-0666

**LETTER OF SUBMITTAL**  
**KFM Skyway Project # 04-012024**

Run Date 17-Jan-06  
 Time 2:08 PM

Dated: 17-Jan-2006

SUBMITTAL No: KFM-SUB-005906

Rev: 01

To: Doug Coe  
 Caltrans-Skyway Project  
 345 Burma Road  
 Oakland CA 94607  
 Phone: Fax:

Co/Job # 364-3726  
 Contract # 04-012024  
 Sub/Supplier: USI  
 Sub/Supplier No: USI-TRN-1521

Subject: USI- Addendum to Documentation to clear NCR 188 (METS 176)

Special Provis. (SP) REF: 10-1.44  
 Standard Spec. (SS) REF:  
 RESUBMITTAL/SUPPLEMENTAL REF:

We are sending the following attached items:  Attached  Via Fax

- |                                       |   |   |
|---------------------------------------|---|---|
| <input type="checkbox"/> Drawing      | <input checked="" type="checkbox"/> Plans           | <input type="checkbox"/> Prog. Pmt      |
| <input type="checkbox"/> Samples      | <input type="checkbox"/> Certificates of Compliance | <input type="checkbox"/> Calculations   |
| <input type="checkbox"/> Payroll      | <input type="checkbox"/> Specs                      | <input type="checkbox"/> Copy of Letter |
| <input type="checkbox"/> Change Order | <input type="checkbox"/> Schedule                   | <input type="checkbox"/> Invoice        |

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01		1	USI- Addendum to Documentation to clear NCR 188 (METS 176)		1	Pending	

These are transmitted as checked below:

- |  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> For Approval | <input type="checkbox"/> For Review/comment | <input type="checkbox"/> Return For Correction |
| <input type="checkbox"/> For Your Use            | <input type="checkbox"/> As Requested       | <input type="checkbox"/> For Information       |

**Remarks:**

Please see attached an USI- Addendum to Documentation to clear NCR 188 (METS 176).  
 This is a statement confirming the focus on procedural control of, and the training of inspectors for, UT testing.  
 This letter USI-LTR-1520 applies to the following NCR close outs:  
 USI-NCR-181 (METS 170); USI-NCR-188 (METS 176); USI-NCR-192 (METS 181); USI-NCR-193 (METS 182); USI-NCR-197 (METS 186);  
 USI-NCR-199 (METS 188); USI-NCR-200 (METS 189); USI-NCR-201 (METS 190); USI-NCR-202 (METS 191); USI-NCR-206 (METS 196);  
 USI-NCR-224 (METS 214); USI-NCR-229 (METS 222); USI-NCR-231 (METS 224).

**CC:**

Please review / approve by : 20-Jan-2006

Submitted By: Paul Hegarty  
 (KFM Staff Member – Originator of Transmittal)

Checked & Sent By: [Signature]  
 Contract Admin/DCS Staff



# Universal Structural, Inc.

January 12, 2006

Kiewit / FCI / Manson, JV (KFM)  
220 Burma Road  
Oakland, CA 94607  
Phone: (510) 419-0120  
Fax: (510) 839-0666

Attention: Paul Hegarty / Rich Bienek

Reference: SFOBB Skyway Project  
USI #23932, USI LTR: 1520

Subject: KFM Nonconformance reports

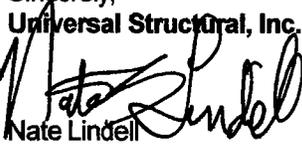
Mr. Hegarty & Mr. Bienek,

**KFM NCR 181, 188, 192, 193, 197, 199, 200, 201, 202, 206, 224, 229, 231 - Procedures for UT testing have been tightened in order to establish a higher level of confidence regarding the interpretation of indications. The new approach includes the cross-checking of results by the more experienced QC operators on difficult joint configurations and 'recordables'.**

**In addition to the cross checking, all technicians performing ultrasonic inspection shall receive additional on the job training. The training shall include but not limited to calibration, scanning speeds and techniques, evaluation and mapping of indications and reporting of results. USI will continue to provide additional training to technicians new to the project as well as the current staff.**

If you have any questions or need further clarification, please contact me at your earliest possible convenience.

Sincerely,  
Universal Structural, Inc.

  
Nate Lindell  
QA Manager



**DEPARTMENT OF TRANSPORTATION**

SFOBB – Skyway Project  
345 Burma Road  
Oakland, CA 94607  
Facsimile Number: (510) 622-5165



*Flex Your Power  
Be Energy Efficient!*

January 30, 2006

KFM, a JV  
220 Burma Road  
Oakland, CA 94607

Contract: 04-012024  
04-SF, Ala-80-13.9/14.3, 0.0/1.6  
SFOBB Skyway Project  
*State Letter # 5.03.1-009472*

*Subject: Response to KFM-SUB-005906R00, KFM-SUB-005906R01*

Dear Mr. Zink,  
Attention: Mr. Rich Bienek,

The Engineer takes no exceptions to the following submittals:

- KFM-SUB-005906R00: USI Documentation to Clear NCR 188 (METS 176)
- KFM-SUB-005906R01: USI Addendum to Documentation to Clear NCR 188 (METS 176)

Should you have any questions, please contact David Wu at (510) 622-5104 or Patrick Lowry at (858) 344-2712.

Sincerely,

**<<< ORIGINAL SIGNED >>>**

David Wu  
Senior Bridge Engineer

For: Mr. Douglas Coe  
Resident Engineer

cc: P. Lowry, D. Coe, D. Wu, B. Chew, V. Iyer, I. Kwong, D. Salladay

file: 5.03.1, 9.03.8