KFM
KIEWIT / FCI / MANSON, A JV

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-Nov-04
Time 10:01 AM

Dated: 16-Nov-2004

SUBMITTAL No: KFM-SUB-003276 **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:

Subject: USI - KFM NCR #52 (METS NCR #38) NCR Response to Caltrans State Letter #4978

Special Provis. (SP) REF: 08-3.01
Standard Spec. (SS) REF:

RESUBMITTAL/SUPPLEMENTAL REF:

We are sending the following attached items: ☑ Attached ☐ Via Fax

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

Item	Date	Copies	Description	Drawing No	Rev	Status	Pages
01	16-Nov-04	1	Letter of Transmittal #126		0	Pending	1
02	16-Nov-04	1	USI - Letter #52.111104		0	Pending	1
03	16-Nov-04	1	USI - Letter Dated 11/11/04		0	Pending	1
04	16-Nov-04	1	State Letter # 5.03.1-004978		0	Pending	1
05	16-Nov-04	1	UT Reports		0	Pending	6

These are transmitted as checked below:

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

Remarks:

CC:

Please review / approve by : 23-Nov-2004

Submitted By: Rich Bienek
(KFM Staff Member – Originator of Transmittal)

Checked & Sent By: SBurtz
Contract Admin/DCS Staff

Copy To: Job Office Files

An Equal Opportunity Employer

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: 126
DATE: November 15, 2004
PROJECT: SFOBB Skyway Project
JOB NO.: 23932
ATTENTION: Paul Hegarty / Rich Bienek

TO: Kiewit / FCI / Manson, JV
220 Burma Road
Oakland, Ca 94607

WE ARE SENDING YOU

☐ ATTACHED ☑ NCR Responses
☐ Shop Drawings ☐ Prints ☐ Prints ☐ Samples
☐ Copy of letter ☐ Change order ☐ Change order ☐ Plans ☐ Specifications

COPIES	ITEM	DESCRIPTION / REMARKS
1 Original	NCR Responses	Caltrans State Letter #5.03.01-004978, KFM NCR #52

SKYWAY-BAY BRIDGE PROJECT
KIEWIT / FCI / MANSON, A JV
DATE: 11-16-2004 CO/JOB: 364-3726
ROUTED BY NO: 04-012024
TO: RICH BIENEK SPECIAL NOTES:
INTERNAL KFM COPIES TO:
EXTERNAL COPIES TO:
SCANNED: Y N FILED TO:

THESE ARE TRASMITTED AS CHECKED BELOW

☐ For Approval ☑ For your use ☐ As Requested ☐ FOR BIDS DUE

REMARKS: Mr. Hegarty & Mr. Bienek,
Universal Structural, Inc. (USI) is in receipt of the above-mentioned Caltrans State Letter's and the following attachments; with individual cover letters is USI's record of subsequent action taken.

Copy To:

Signed: Brad Murphy

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

UNIVERSAL STRUCTURAL, INC.

USI

UNIVERSAL STRUCTURAL, INC.
SUB of HARDER MECHANICAL

November 11, 2004

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# 52.111104)

Subject: Response to Caltrans State Letter # 5.03.01-004978
KFM NCR #52

Mr. Hegarty & Mr. Bienek,

Universal Structural, Inc. received Caltrans State Letter # 5.03.01-004978, dated July 09, 2004 and Caltrans state:
"On July 7, 2004, the State (QA Inspectors Keith Stephenson and Joe Adame discovered areas with less than 80% penetration were previously UT tested and accepted by USI Quality Control (QC) William Belleveau. QA plotted the area and physically marked the area with orange paint. Locations of items in non-conformance are listed below.

- *Piece mark pag-180-1 (weld joint 16) which had 1.7mm of incomplete penetration (78% penetration) with a length of 30 mm.*
- *piece mark pb-180 (weld joint 5) which had 2.00 mm of incomplete penetration (76% penetration) with a length of 53mm*
- *piece mark ph-180 (weld joint 16) which had 2.15 mm of incomplete penetration (73% penetration) with a length of 19mm.*

Please see the attached letter responding to this NCR. Please notify Caltrans and request a letter to close this NCR.

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

Sincerely,
Universal Structural, Inc.

Brad Murphy
Sales Manager

cc: Brad Young - USI
file

Category III

HARDER MECHANICAL CONTRACTORS

Universal Structural, Inc.

November 11, 2004

Mr. Paul Hegarty
KFM
220 Burma Road
Oakland, California 94623

Re: Caltrans State Letter 5.03.1-004978, USI NCR No. 38

Dear Mr. Hegarty:

This NCR refers to areas marked acceptable by QC, for ultrasonic inspection and later found unacceptable by QA.

Weld was inspected for 100% of the weld length by Ultrasonic Examination. An Ultrasonic Test Report was generated identifying this weld joint as "rejectable".

The indications noted were verified by the USI QC department. This Inspector is no longer employed by Universal Structural, Inc.

Any subsequent repair has been put on hold per Caltrans approval of weld repair procedure, thus USI NCR No. 38 should be closed.

Sincerely,

Keith Stephenson
QA/QC Manager

METS NCR # 38

7/9/04

STATE OF CALIFORNIA-BUSINESS, TRANSPORTATION AND HOUSING AGENCY

ARNOLD SCHWARZENEGGER, Governor

DEPARTMENT OF TRANSPORTATION

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

Flex Your Power
Be Energy Efficient!

July 09, 2004

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 # 5.03.1-004978

Subject: USI NCR No. 38: Weld Areas with Less Than 80% Penetration on pa18

Dear Mr. Skoro,
Attention: Paul Hegarty,

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

On July 7; 2004, the State (QA) Inspectors Keith Stephenson and Joe Adame discovered areas with less than 80% penetration on soffit plate pa18, Assembly 2A during ultrasonic verification testing (UT). The areas with less than 80% penetration were previously UT tested and accepted by USI Quality Control (QC) William Belleveau. QA plotted the area and physically marked the area with orange paint. Locations of items in non-conformance are listed below.

- piece mark pg-180-1 (weld joint 16) which had 1.7 mm of incomplete penetration (78% penetration) with a length of 30 mm
- piece mark pb-180 (weld joint 5) which had 2.0 mm of incomplete penetration (75% penetration) with a length 53-mm
- piece mark ph-180 (weld joint 16) which had 2.15 mm of incomplete penetration (73% penetration) with a length of 19 mm.

This NCR will be tracked as USI NCR No. 38. USI was verbally notified of this NCR by Caltrans' METS on 07/07/04. 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.

Sincerely,

David Wu
Senior Bridge Engineer

For: Mr. Douglas Coe
Resident Engineer

cc: D. Coe, I. Khinsann, V. Iyer, D. Wu, S. Abbas, B. Chew, H. El-Natur, P. Lowry, I. Kwong

file: 5.03.1, 9.07.8

Report No._____

UNIVERSAL STRUCTURAL INC.

ULTRASONIC TEST REPORT/ PARTIAL PENETRATION RIB WELDS, T JOINT

REPORT IDENTIFICATION	ACCEPTANCE STANDARD	CUSTOMER IDENTIFICATION
JOB NUMBER 23932 DWG. NO. 18A6 ITEM NO. Pa 18 Equipment: USN 52 SN620296 USN 52L SN00FNXP USN 58L 00Y65Y 3.5MHz Transducer 70 deg Couplant: Cellulose Material Thickness: 8 mm	UT Procedure: QAP-100 Rev. 001 80% Penetration Required Visual Acceptance: AWS D1.5:96 Visual Acceptance Prior to N.D.T.: SCOTT REED, PETER HALE, JOHN GREY, JOHN LOWENGART.	PROJECT: OAKLAND BAY CUSTOMER: KFM / A JV. BRIDGE NO. 34-0006 L/R CONTRACT NO. 04-012024 Base metal tested per AWS D1.5 96, section 6.19.5 with a 2.25 MHz longitudinal wave transducer

Piece Mark	Welder ID	WJ #	Area	Acc	Rej	Distance from Y	~~Depth~~ Lack of penetration	Length	Comments
Pa 18	10	5	100%	~~X~~	X	4600	1.85	55	~~T = 8.31~~ SH
				~~X~~	X	4680	1.65	25	~~8.43~~ SH
				~~X~~	X	4750	1.85	25	~~8.40~~ SH
				~~X~~	X	4780	1.9	55	~~8.36~~ SH
					X	4970	2.0	70	~~8.35~~ SH
				~~X~~	X	5070	1.9	30	~~8.36~~ SH
				~~X~~	X	5380	1.75	50	~~8.37~~ SH
				~~X~~	X	5450	1.75	15	~~8.36~~ SH
				~~X~~	X	5745	1.9	80	~~8.39~~ SH
				~~X~~	X	5845	1.95	25	~~8.43~~ SH
	12				X	9950	2.45	35	~~8.33~~ SH

Welding Process (s) SAW FCAW

Remarks: Calibration Graph Attached

Level II Technician, Peter Hale _____ Date _____

Level II Technician, Scott Reed _____ Date _____

Level II Technician, John Grey _____ Date _____

Level II Technician, John Lowengart _____ Date 7/17/04

Level II Technician, STEFAN Holmes _____ Date _____

USI QCM Review, C. Amonson _____ Date JUL 29 2004

UNIVERSAL STRUCTURAL INC.

ULTRASONIC TEST REPORT

REPORT IDENTIFICATION
JOB NUMBER 23932
DWG. NO. 18 A/B
ITEM NO. Pa 18
EQUIP: Model: USN50L Ser.# 00PJLD
Transducer: 3.5 .375"Ø 70° BOUN8P
MHZ Size Type Ser.#
Transducer: 2.25 1"Ø 0° CRW-0216-0
MHZ Size Type Ser.#
Couplant: Cellulose Paste
IIW Block: Ser.# 0654 03

ACCEPTANCE STANDARD
*AASHTO/AWS D1.5 -1996
TABLE 9.1
VISUAL ACCEPTANCE
PRIOR TO NDE
BY;
J.LOWENGART
P. HALE
J. GREY
S. REED

CUSTOMER IDENTIFCATION
PROJECT:
OAKLAND BAY BRIDGE
CUSTOMER
KFM / AJV
BRIDGE NO.
344-0006 L/R
CONTRACT NO.
04-012024

WELD PART ID	AREA	ACCEPT	REJECT	TRANSDUCER ANGLE	LEG	INDICATION LEVEL	REFERENCE LEVEL	ATTENUATION FACTOR	INDICATION RATING	LENGTH	ANGULAR DISTANCE	DEPTH	DISTANCE FROM X	DISTANCE FROM Y	
Pa 18 WJ5	100%		X	70°	3	30	44	2	-16	700	45.0	0.7	-3	10360	*

WELDING PROCESS
(FCAW) (SAW) SMAW

WELD JOINT TYPE
(T-JOINT) BUTT JOINT CORNER JOINT

* Grinding Excavations from Y
10485 - 10645
10860 - 11060

*We, the undersigned, certify that the statements in this record are correct and that the welds were prepared and tested in accordance with the requirements of ANSI/AASHTO/AWS D1.5 1996 Bridge Welding Code, as modified by NPI directive 7/21/04.

REVIEW [signature] AUG 8 2004

LEVEL II TECHNICIAN - JOHN LOWENGART DATE

LEVEL II TECHNICIAN - PETER HALE DATE

LEVEL II TECHNICIAN - CHRIS GAINES DATE

LEVEL II TECHNICIAN - JOHN GREY DATE

LEVEL II TECHNICIAN - SCOTT REED DATE

W.J. Bellevean 7-31-04

LEVEL II TECHNICIAN - Bill Bellevean DATE

LEVEL II TECHNICIAN DATE

UNIVERSAL STRUCTURAL INC.

ULTRASONIC TEST REPORT

REPORT IDENTIFICATION
JOB NUMBER 23932
DWG. NO. 18 A/B
ITEM NO. Pa 18
EQUIP: Model: USN50L Ser.# 00PJLD
Transducer: 3.5 .375"Ø 70° BOUN8P
MHZ Size Type Ser.#
Transducer: 2.25 1"Ø 0° CRW-0216-0
MHZ Size Type Ser.#
Couplant: Cellulose Paste
IIW Block: Ser.# 0654-03

ACCEPTANCE STANDARD
*AASHTO/AWS D1.5 -1996
TABLE 9.1
VISUAL ACCEPTANCE
PRIOR TO NDE
BY;
J.LOWENGART
P. HALE
J. GREY
S. REED

CUSTOMER IDENTIFCATION
PROJECT:
OAKLAND BAY BRIDGE
CUSTOMER
KFM / AJV
BRIDGE NO.
344-0006 L/R
CONTRACT NO.
04-012024

WELD PART ID	AREA	ACCEPT	REJECT	TRANSDUCER ANGLE	LEG	INDICATION LEVEL	REFERENCE LEVEL	ATTENUATION FACTOR	INDICATION RATING	LENGTH	ANGULAR DISTANCE	DEPTH	DISTANCE FROM X	DISTANCE FROM Y	
Pa 18 WJ #5	100%		X	70°	2-3	36	44	1	-9	140	41.8	1.9	-10	0	*
			X			47		2	+1	20	43.8	1.1	0	2130	
			X			42		2	-4	20	47.8	0.3	-4	3100	
			X			37		2	-9	235	44.7	0.8	-5	4875	*
			X			37		2	-9	170	45.1	0.6	-4	5320	*
			X			36		2	-10	175	44.7	0.8	-4	5705	*
			X			46		1	+1	15	41.4	1.9	0	8200	
			X			39		2	-7	35	45.3	0.6	0	8385	
			X			39		2	-7	60	43.6	1.1	0	9045	
Pa 18 WJ #5	100%		X	70°	2-3	33	44	2	-13	70	45.0	0.2	-7	9840	*

WELDING PROCESS
FCAW SAW SMAW

WELD JOINT TYPE
T-JOINT BUTT JOINT CORNER JOINT

*Grinding Excavations from Y
0-140 5320-5490 9840-9910
4875-5110 5705-5880

*We, the undersigned, certify that the statements in this record are correct and that the welds were prepared and tested in accordance with the requirements of ANSI/AASHTO/AWS D1.5 1996 Bridge Welding Code, as modified by NPI directive 7/21/04.

REVIEW [signature] AUG 2 2004

LEVEL II TECHNICIAN - JOHN LOWENGART DATE

LEVEL II TECHNICIAN - PETER HALE DATE

LEVEL II TECHNICIAN - CHRIS GAINES DATE

LEVEL II TECHNICIAN - JOHN GREY DATE

LEVEL II TECHNICIAN - SCOTT REED DATE

W. Bellevean 7-31-04

LEVEL II TECHNICIAN - Bill Bellevean DATE

LEVEL II TECHNICIAN - DATE

UNIVERSAL STRUCTURAL INC.

ULTRASONIC TEST REPORT

REPORT IDENTIFICATION
JOB NUMBER 23932
DWG. NO. 18 A/B
ITEM NO. Pa 18
EQUIP: Model: USN50L Ser.# 00PJLD
Transducer: 3.5 MHZ .375"Ø Size 70° Type B011N8P Ser.#
Transducer: 2.25 MHZ 1"Ø Size 0° Type CRW-0216-0 Ser.#
Couplant: Cellulose Paste
IIW Block: Ser.# 0654-03

ACCEPTANCE STANDARD
*AASHTO/AWS D1.5 -1996
TABLE 9.1
VISUAL ACCEPTANCE
PRIOR TO NDE
BY;
J.LOWENGART
P. HALE
J. GREY
S. REED

CUSTOMER IDENTIFCATION
PROJECT:
OAKLAND BAY BRIDGE
CUSTOMER
KFM / AJV
BRIDGE NO.
344-0006 L/R
CONTRACT NO.
04-012024

WELD PART ID Pb180	AREA	ACCEPT	REJECT	TRANSDUCER ANGLE	LEG	INDICATION LEVEL	REFERENCE LEVEL	ATTENUATION FACTOR	INDICATION RATING	LENGTH	ANGULAR DISTANCE	DEPTH	DISTANCE FROM X	DISTANCE FROM Y	
Pa 18 WJ #5	100%		X	70°	2-3	36	44	1	-9	140	41.8	1.9	-10	0	*
			X			47		2	+1	20	43.8	1.1	0	2130	
			X			42		2	-4	20	47.8	0.3	-4	3100	
			X			37		2	-9	235	44.7	0.8	-5	4875	*
			X			37		2	-9	170	45.1	0.6	-4	5320	*
			X			36		2	-10	175	44.7	0.8	-4	5705	*
			X			46		1	+1	15	41.4	1.9	0	8200	
			X			39		2	-7	35	45.3	0.6	0	8385	
			X			39		2	-7	60	43.6	1.1	0	9045	
Pa 18 WJ #5	100%		X	70°	2-3	33	44	2	-13	70	45.0	0.2	-7	9840	*

WELDING PROCESS
FCAW SAW SMAW

WELD JOINT TYPE
T-JOINT BUTT JOINT CORNER JOINT

*Grinding Excavations from Y
0-140 5320-5490 9840-9910
4875-5110 5705-5880

*We, the undersigned, certify that the statements in this record are correct and that the welds were prepared and tested in accordance with the requirements of ANSI/AASHTO/AWS D1.5 1996 Bridge Welding Code, as modified by NPI directive 7/21/04.

REVIEW [signature] AUG 2 2004

LEVEL II TECHNICIAN - JOHN LOWENGART DATE

LEVEL II TECHNICIAN - PETER HALE DATE

LEVEL II TECHNICIAN - CHRIS GAINES DATE

LEVEL II TECHNICIAN - JOHN GREY DATE

LEVEL II TECHNICIAN - SCOTT REED DATE

W.J. Belleveau 7-31-04

LEVEL II TECHNICIAN - Bill Belleveau DATE

LEVEL II TECHNICIAN

UNIVERSAL STRUCTURAL INC.

ULTRASONIC TEST REPORT

REPORT IDENTIFICATION
JOB NUMBER 23932
DWG. NO. 18 A/B
ITEM NO. Pa 18
EQUIP: Model: USN50L Ser.# 00P5LD
Transducer: 3.5 .375"Ø 70° B011N8P
MHZ Size Type Ser.#
Transducer: 2.25 1"Ø 0° CBW-0216-0
MHZ Size Type Ser.#
Couplant: Cellulose Paste
IIW Block: Ser.# 0654 03

ACCEPTANCE STANDARD
*AASHTO/AWS D1.5 -1996
TABLE 9.1
VISUAL ACCEPTANCE
PRIOR TO NDE
BY;
J.LOWENGART
P. HALE
J. GREY
S. REED

CUSTOMER IDENTIFCATION
PROJECT:
OAKLAND BAY BRIDGE
CUSTOMER
KFM / AJV
BRIDGE NO.
344-0006 L/R
CONTRACT NO.
04-012024

WELD PART ID	AREA	ACCEPT	REJECT	TRANSDUCER ANGLE	LEG	INDICATION LEVEL	REFERENCE LEVEL	ATTENUATION FACTOR	INDICATION RATING	LENGTH	ANGULAR DISTANCE	DEPTH	DISTANCE FROM X	DISTANCE FROM Y	
Pb180															
Pa 18 WJ5	100%		X	70°	23	30	44	2	-16	700	45.0	0.7	-3	10360	*

WELDING PROCESS
FCAW SAW SMAW

WELD JOINT TYPE
T-JOINT BUTT JOINT CORNER JOINT

* Grinding Excavations from Y
10485 - 10645
10860 - 11060

*We, the undersigned, certify that the statements in this record are correct and that the welds were prepared and tested in accordance with the requirements of ANSI/AASHTO/AWS D1.5 1996 Bridge Welding Code, as modified by NPI directive 7/21/04.

REVIEW C Amorim AUG 2 2004

LEVEL II TECHNICIAN - JOHN LOWENGART DATE

LEVEL II TECHNICIAN - PETER HALE DATE

LEVEL II TECHNICIAN - CHRIS GAINES DATE

LEVEL II TECHNICIAN - JOHN GREY DATE

LEVEL II TECHNICIAN - SCOTT REED DATE

W.J. Bellevean 7-31-04

LEVEL II TECHNICIAN - Bill Bellevean DATE

LEVEL II TECHNICIAN

UNIVERSAL STRUCTURAL INC.

ULTRASONIC TEST REPORT

REPORT IDENTIFICATION
JOB NUMBER 23932
DWG. NO. 18
ITEM NO. PA18
EQUIP: Model: USN 52L Ser.# 00F DXP
Transducer: 3.5 .375 70° B012675
MHZ Size Type Ser.#
Transducer: 2.25 1" 0° 00R20N
MHZ Size Type Ser.#
Couplant: Cellulose Paste
IIW Block: Ser.# 065403

ACCEPTANCE STANDARD
*AASHTO/AWS D1.5 -1996
TABLE 9.1
VISUAL ACCEPTANCE PRIOR TO NDE
BY;
J.LOWENGART
P. HALE
J. GREY
S. REED

CUSTOMER IDENTIFCATION
PROJECT:
OAKLAND BAY BRIDGE
CUSTOMER
KFM / AJV
BRIDGE NO.
344-0006 L/R
CONTRACT NO.
04-012024

WELD PART ID Pg180	AREA	ACCEPT	REJECT	TRANSDUCER ANGLE	LEG	INDICATION LEVEL	REFERENCE LEVEL	ATTENUATION FACTOR	INDICATION RATING	LENGTH	ANGULAR DISTANCE	DEPTH	DISTANCE FROM X	DISTANCE FROM Y
WJ #16	100%		A	70	2/3	35	40	1	-6	20	42	1.9	-4	371
			A	70	2/3	38			-3	30	37.1	3.1	-6	490
			A	70	2/3	51			+10	10	41	2.3	-2	5690
			A	70	2/3	38			-3	85	39	2.7	-3	6400
			A	70	2/3	39			-5	30	40	2.7	-5	6820
			A	70	2/3	35			-9	35	38.8	3.2	-6	7315
			A	70	2/3	35			-9	15	40.7	2.7	-5	7860
			A	70	2/3	40			-4	30	38.8	2.3	-5	9130
			A	70	2/3	36			-8	70	40.3	2.3	-7	10510
			A	70	2/3	39	40	1	-11	115	43	2.1	-5	10710

WELDING PROCESS
FCAW SAW SMAW

WELD JOINT TYPE
T-JOINT BUTT JOINT CORNER JOINT

*We, the undersigned, certify that the statements in this record are correct and that the welds were prepared and tested in accordance with the requirements of ANSI/AASHTO/AWS D1.5 1996 Bridge Welding Code, as modified by NPI directive 7/21/04.

[signature] 7-31-04
LEVEL II TECHNICIAN - JOHN LOWENGART DATE

LEVEL II TECHNICIAN - PETER HALE DATE

LEVEL II TECHNICIAN - CHRIS GAINES DATE

LEVEL II TECHNICIAN - JOHN GREY DATE

LEVEL II TECHNICIAN - SCOTT REED DATE

LEVEL II TECHNICIAN - DATE
REVIEW [signature] AUG 2 2004
LEVEL II TECHNICIAN - DATE

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

Flex Your Power
Be Energy Efficient!

December 21, 2004

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 # 5.03.1-006408

Subject: Response to KFM-SUB-003276R00: USI (KFM NCR #52, METS NCR #38) NCR Response to Caltrans State Letter #4978

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

The Engineer has reviewed KFM-SUB-003276R00: USI (KFM NCR #52, METS NCR #38) NCR Response to Caltrans State Letter #4978. The Engineer agrees the Contractor has sufficiently addressed this NCR. As a result, USI NCR No. 38 is resolved.

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: D. Coe, I. Khinsann, V. Iyer, D. Wu, S. Abbas, B. Chew, H. El-Natur, P. Lowry, I. Kwong

file: 5.03.1, 9.07.8