

30-Jul-2008

ABF-CAL-LTR-000607

Mr. Gary Pursell  
Resident Engineer  
**California Department of Transportation**  
333 Burma Road,  
Oakland, CA 94607, USA

**PROJECT: San Francisco Oakland Bay SAS Bridge Superstructure**  
**Caltrans Contract No. 04-0120F4**  
**ABF Job No. 660110**

**SUBJECT: Candraft Tensor LLC East End Detailing - Weekly Interruption Updates**

Gentlemen:

As discussed in American Bridge / Fluor Enterprises, Inc. a Joint Venture (ABFJV) Letter No. ABF-CAL-LTR-000576 dated July 2, 2008, ABFJV will provide the Department weekly interruption updates from Candraft Tensor LLC (CTLLC) that will describe events, changes and/or interferences that will disrupt CTLLC's performance on the OBG "East End". As an example, please find enclosed a copy of a CTLLC's impact letter, provided in response to the Department's response to ABF-RFI-001201. The letter includes an initial list of the affected drawings and CTLLC's request for authorization from ABFJV for a Change Order CO, as well as an estimate of the additional CTLLC Work to be performed in addition to its SCO #54. This information is provided by ABFJV for information purposes only. CTLLC's estimate of impact updates are not to be considered all inclusive and do not represent the entirety of the time and cost impacts encountered by CTLLC, ABFJV or others.

A cursory review of the of "Total Hours worked on additional RFI changes to East end detailing work that were not contemplated in the east end detailing scope of work at the time of issuance of SCO 54" provided in the Weekly Time Summaries reveals that the SCO #54 delivery date, December 31, 2008, is slipping due to additional work that is beyond SCO #54 Scope of Work. Please be advised that CTLLC's SCO #54 December 31, 2008 completion date is not inclusive of future Caltrans changes, e.g. the Department's response to ABF-RFI-001201. This matter will be formally addressed with the Department in the future, if necessary.

Upon your review of the attached, should you have any questions or wish to discuss this matter further, please contact our office.

Sincerely,

**AMERICAN BRIDGE/FLUOR ENTERPRISES, INC. A JOINT VENTURE**



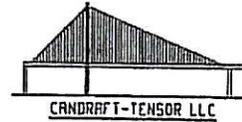
Michael D. Flowers  
Project Director

Encl: Impact Letter per ABF-RFI-001201R00, R01, R02, R03 Responses (1 page)  
CTLLC Change Order Estimate CO 178 (6 pages)

File: 02.01



CANDRAFT-TENSOR, LLC  
2060 South Patrick Drive  
Indian Harbour Beach, FL 32937  
Tel: (321) 773-3036 \* Fax: (321) 773-3038  
Email: [ctllc@tensorengr.com](mailto:ctllc@tensorengr.com)



July 15, 2008  
Letter # 2008-546-31

American Bridge/Fluor Enterprises Inc.  
Thomas Nilsson  
375 Burma Rd.  
Oakland, CA 94607

Ph: 510.808.4600  
Fax: 510.808.4601

RE: Candraft CO #178

Dear Mr. Nilsson,

Please find attached CTLLC authorization for change order estimate CO #178.  
This authorization for change order estimate covers the incorporation of changes required to drawings due to the answer to ABF-RFI-001201R00, R01, R02, and R03.  
The estimated man hours required for this change are 287.00.  
There will be a schedule delay due to this change.

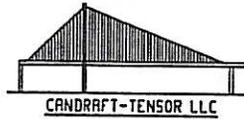
Sincerely,

Derek Davies  
Project Manager  
[derek@candraft.bc.ca](mailto:derek@candraft.bc.ca)  
(604) 945-8008 Ext. 1202 office

CC: ABF - R. Crockett, M. Flowers, S. Choy, R. Kick, B. Petersen, S. Wichman.  
CTLLC - J. Cooper, M. Morrison, W. Gatti, D. Easingwood, R. Kaip, P. Weber



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 Tel: (321) 773-3036 \* Fax: (321) 773-3038  
 Email: [ctlc@tensorengr.com](mailto:ctlc@tensorengr.com)



# Change Order Estimate

<b>Candraft Job No.</b>	<b>2006-546</b>	<b>Candraft CO</b>
		<b>CO 178</b>

**Project Name**  
 San Francisco Oakland Bay Bridge - OBG

**Area(s) Affected**  
 OBG13E

**Cause for changes**  
 Response to ABF-RFI-001201-R00, R01, R02, and R03

<b>Cost Summary</b>	<b>Estimated Man hours</b>
Candraft Additional Time (Candraft CO #178)	287.00
<b>Total Man hours = 287.00</b>	

Our **ROM** estimate for this change order = **287** Man hours  
 Schedule impacts for minor change orders will be assessed monthly  
 and major change orders will be assessed on an individual basis.

**Prepared By**  
**Derek Davies**  
**Date:** July 15/2008

**AUTHORIZATION FOR CHANGE ORDER**

To:	Thomas Nilsson	Date:	July 15, 2008
	AMERICAN BRIDGE / FLUOR	REF. JOB:	CONT. # : 04-0120F4 SFOBB SUSPENSION BRIDGE

## REVISION CAUSE:

Due to the answers given to ABF-RFI-001201R00, R01, R02, and R03 – Shop and layout drawings required revising. Path of bulkhead was changed, (kinks removed as it is now straight), resulting in the following:  
Heights of longitudinal bulkhead @ Pier E2 crossbeam and partial height crossbeam diaphragms CB18 @D5 and CB18 @D6 were decreased. Also, diaphragm connection plates eliminated.

## DESCRIPTION OF CHANGES:

- L3036C                      Revise dimensions on longitudinal bulkhead PL @ Pier E2 crossbeam detail.
- L3036J                      Revise dimension locating bulkhead and partial depth diaphragm.
- L3038                        Revise dimensions on crossbeam bottom flange plate plan.
- L3038A                      Revise height dimensions on partial height crossbeam details of diaphragm CB18 @ D5, and CB18 @ D6, remove holes.
- L3038E                      Revise height dimensions on detail of bulkhead plate and stiffener plan for CB18 @D5, remove holes.
- L3038F                      Revise height dimensions on detail of bulkhead plate and stiffener plan for CB18 @D6, remove holes.
- L3039                        Revise dimensions on floorbeam mark layout at PP118, PP118.35, and PP119.
- L3039C                      Revise dimensions locating bulkhead and partial depth diaphragm on floorbeam at PP118.
- L3039E                      Revise dimensions locating bulkhead on floorbeam at PP118.35
- L3039G                      Revise dimensions locating bulkhead and partial depth diaphragm on floorbeam at PP119.

WE MUST RECEIVE WRITTEN AUTHORITY TO MODIFY THE ORIGINAL CONTRACT BEFORE WE WILL SUBMIT MODIFICATIONS.

BECAUSE TIME IS OF THE ESSENCE ON THIS PROPOSED MODIFICATION, WE MUST HAVE THIS MODIFICATION TO THE CONTRACT SIGNED AND RETURNED WITHIN 10 CALENDER DAYS OR ELSE WE MUST STOP ALL WORK UNDER THE ORIGINAL CONTRACT AFFECTED BY THE PROPOSED MODIFICATION.

NOTWITHSTANDING ANY PROVISION IN THE CONTRACT, THIS EXTRA SHALL BE PAID WITHIN 30 DAYS AFTER COMPLETION, IRRESPECTIVE OF WHETHER THE CHARGE IS AUTHORIZED BY OWNER OR ANY OTHER PARTY, IT BEING EXPRESSLY UNDERSTOOD THAT SATISFACTORY COMPLETION OF THE WORK BY CANDRAFT IS THE ONLY CONDITION PRECEDENT.

**AUTHORIZATION FOR CHANGE ORDER**

L3040	Revise dimensions locating bulkhead and partial depth diaphragm on floorbeam at PP120.
L3040A	Revise dimensions locating bulkhead on floorbeam at PP120.
L3042	Revise dimensions locating bulkhead and partial depth diaphragm on floorbeam at PP119-1500, and PP119+1500.
L3042A	Revise dimensions locating bulkhead and partial depth diaphragm on floorbeam at PP119-1500.
L3042C	Revise dimensions locating bulkhead and partial depth diaphragm on floorbeam at PP119+1500.
L3043	Remove kinks at PP119, PP119.3, and PP119.65
X3318	Revise dimensions locating scribe lines.
X3334	Revise length and dimensions on X3334A.
X3335	Revise width of X3335K
X3337	Revise dimensions.
X3339	Revise dimensions on X3339A
X3344	Revise dimensions for X3344A and X3344B
X3351	Revise dimensions locating scribe lines.
X3352	Revise dimensions for scribe lines on X3352A and X3352C
X3363	Revise dimensions on X3363B, length and cutouts for stiffeners.
X3369	Revise dimensions locating scribe lines.
X3370	Revise dimensions locating scribe lines on X3370A and X3370B.
X3371	Revise dimension locating scribe line.
X3393	Revise length of X3393A

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**AUTHORIZATION FOR CHANGE ORDER**

X3395	Revise length of X3395D
X3396	Revise length of X3396E
X3398	Revise length of X3398B
X3405	Revise dimensions locating scribe lines.
X3406	Revise dimensions locating scribe lines on X3406A and X3406B.
X3407	Revise dimension locating scribe line
X3429	Revise heights of X3429A and X3429B
X3430	Revise heights of X3430A and X3430B
X3431	Revise heights of X3431A and X3431B
X3436	Revise dimensions locating scribe lines.
X3437	Revise dimensions locating scribe lines on X3437A and X3437C.
X3438	Revise dimensions locating scribe lines.
X3444	Revise dimension locating scribe line.
X3445	Revise dimensions locating scribe lines on X3445A and X3445C.
X3446	Revise dimensions locating scribe lines.
X3491	Revise heights of X3491A and X3491B delete X3491F, welded connection now - show welds.
X3494	Revise heights of X3494C and X3494D, delete X3494E, welded connection now - show welds.
X3495	Revise height of X3495C.
X3496	Revise heights of X3496C, X3496D, and X3496F.
X3497	Revise heights of X3497A and X3497B.

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**AUTHORIZATION FOR CHANGE ORDER**

FB3105	Revise dimensions.
FB3108	Revise dimensions locating scribe lines.
FB3121A	Revise dimensions.
PL3168	Revise offset dimensions that locate holes for barriers.
PL3238	Delete holes in PL3238B
PL3238A	Revise location of scribe line.
PL3238B	Delete holes in PL3238E, Revise location of scribe line.
PL3239	Delete holes in PL3239B
PL3239B	Delete holes in PL3239E
SEG3007AD	Delete holes, revise quantity of field bolts.
SEG3007AR	Delete holes, revise height of assembly.
SP3058	Delete holes in SP3058B, Revise location of scribe line.
SP3058A	Revise location of scribe line for SP3058C and SP3058D.
SP3058B	Delete holes in SP3058E, Revise location of scribe line.
SP3059	Delete holes in SP3059B
SP3059B	Delete holes in SP3059E
SP3059C	Delete holes in Sections B, C, D, and E.

Redline all of the above listed drawings.

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**AUTHORIZATION FOR CHANGE ORDER**

**CHANGE ORDER AUTHORIZED BY:**

_____	
(PRINT NAME)	
_____	_____
(SIGNATURE)	(DATE)

FOR CANDRAFT:	Derek Davies
CANDRAFT JOB No.	2006-546
PAGE No.	CO 178

**Estimated Man hours = 287.00**

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