

**SAN FRANCISCO / OAKLAND BAY BRIDGE PROJECT
SUMMARY OF REQUESTS FOR INFORMATION FOR "EAST END" THROUGH JUNE 26, 2008**

DocNo	Rev	ContitRFINum	Subject	Disc	DateSent	AnsOn
ABF-RFI-000508	4	RFI-CAN-000572R00	Superelevation Transition Point Stationing	OBGDK	06-Dec-07	14/Dec/2007
ABF-RFI-000513	0		Dimensions of East Saddle Grillage Plates A and C	OBGDK	25-Jan-07	02/Feb/2007
ABF-RFI-000514	0		Crossbeams at E2 and East Anchorage Camber	OBGDK	24-Jan-07	31/Jan/2007
ABF-RFI-000516	0		Modifications to splice plate and cope opening at rib splices pp 115 to 128	OBGDK	26-Jan-07	02/Feb/2007
ABF-RFI-000550	0	RFI-ZPM-000135R00	Reahole in Grillage Plate Type B at East Saddle	OBGDK	07-Feb-07	14/Feb/2007
ABF-RFI-000551	0		Stiffener Plate Alignment Between PP 118 and PP 119	OBGDK	08-Feb-07	15/Feb/2007
ABF-RFI-000552	0		Dimension of Horizontal Stiffener Plates at Pier E2	OBGDK	08-Feb-07	15/Feb/2007
ABF-RFI-000558	0		Anchor Bolt Detail at Bearing and Shear Key Connection to Box Girder	OBGDK	14-Feb-07	21/Feb/2007
ABF-RFI-000570	0		Cutout in the OBG at East Anchor for PWS Erection	OBGDK	19-Feb-07	26/Feb/2007
ABF-RFI-000597	0		Number of Pier E2 Crossbeam Top Stiffener Plates	OBGDK	01-Mar-07	08/Mar/2007
ABF-RFI-000605	1		Cable Railing Termination At East and West Ends of the Bridge	OBGDK	02-Apr-07	09/Apr/2007
ABF-RFI-000606	0		Cable Railing Termination At East and West Ends of the Bridge	OBGDK	05-Mar-07	13/Mar/2007
ABF-RFI-000606	1	RFI-ZPM-000159R00	GIRDER KEY PLATE WIDTH AT PIER E2	OBGDK	06-Mar-07	13/Mar/2007
ABF-RFI-000662	1	RFI - CAN 000579R01	GIRDER KEY PLATE WIDTH AT PIER E2	OBGDK	13-Mar-08	20/Mar/2008
ABF-RFI-000662	1	RFI-ZPM-000171R00	RFI-ZPM-000171R00 - Stiffeners at Floorbeam at Pier E2	OBGDK	17-Apr-07	23/Apr/2007
ABF-RFI-000663	1	RFI-CAN-000504R00	RFI-CAN-000504R00 - Crossbeam Axial Camber	OBGDK	22-May-07	29/May/2007
ABF-RFI-000663	0	RFI-CAN-000504R00	RFI-CAN-000504R00 - Crossbeam Axial Camber	OBGDK	17-Apr-07	23/Apr/2007
ABF-RFI-000664	0	RFC-CAN-000502R00	General Layout of the East Transition (1 Plate Geometry)	OBGDK	17-Apr-07	24/Apr/2007
ABF-RFI-000716	0		Shop Drawing Development and Fabrication for Horizontal Curve at East End of OBG	OBGDK	23-May-07	30/May/2007
ABF-RFI-000728	0	RFI-CAN-000509R00	RFI-CAN-000509R00 - Cambered Cross Section of Pier E2 Crossbeam	OBGDK	30-May-07	05/Jun/2007
ABF-RFI-000732	0	RFI-CAN-000511R00	RFI - CAN 000511R00 - Adjustment in Axial Camber to Eliminate Skew in Crossbeam at Pier E2	OBGDK	07-Jun-07	14/Jun/2007
ABF-RFI-000741	0	RFI-CAN-000512R00	RFI-CAN-000512R00 - Bike Path Cantilever	OBGDK	13-Jun-07	20/Jun/2007
ABF-RFI-000744	0	RFI-CAN-000513R00	SPCM @ PP117	OBGDK	14-Jun-07	21/Jun/2007
ABF-RFI-000747	0	RFI-CAN-000516R00	RFI-CAN-000516 Floorbeam location at PP115.2	OBGDK	18-Jun-07	25/Jun/2007
ABF-RFI-000754	0	RFI-CAN-000517R00	RFI - CAN 000517R00 Rib interface on side plate and bottom plate along Line E13 & E14	OBGDK	20-Jun-07	27/Jun/2007
ABF-RFI-000755	0	RFI-CAN-000518R00	RFI-CAN-000518R00 - Access opening locations and door detail	OBGDK	21-Jun-07	27/Jun/2007
ABF-RFI-000762	0	RFI - CAN 000519R00	RFI-CAN-000529R02 - Longitudinal Shear Plate Construction Splice	OBGDK	27-Jun-07	05/Jul/2007
ABF-RFI-000762	2	RFI - CAN 000519R00	RFI-CAN-000529R02 - Longitudinal Shear Plate Construction Splice	OBGDK	18-Jul-07	26/Jul/2007
ABF-RFI-000765	0	RFI-CAN-000521R00	RFI-CAN-000521R00 - Bike Path Cantilever Beam Dimension Clarification	OBGDK	27-Jun-07	05/Jul/2007
ABF-RFI-000766	0	RFI - CAN 000522R00	RFI - CAN 000522R00 Bikepath Slope Through East End Super-elevation Transition	OBGDK	28-Jun-07	05/Jul/2007
ABF-RFI-000770	0		East End OBG Bike Path Bracket Revisions	OBGDK	29-Jun-07	29/Jun/2007
ABF-RFI-000772	0		Girder at East Transition Plate Thickness Table	OBGDK	29-Jun-07	06/Jul/2007
ABF-RFI-000776	0	RFI-CAN-000523R00	RFI-CAN-000523R00 - Alignment of Cable Brackets at Panel Points 112, 114 and 116	OBGDK	05-Jul-07	12/Jul/2007
ABF-RFI-000777	4		Confirmation of Deflection Angles at Panel Points	OBGDK	14-Nov-07	12/Dec/2007
ABF-RFI-000777	3		Confirmation of Deflection Angles at Panel Points	OBGDK	17-Oct-07	26/Oct/2007
ABF-RFI-000777	6		Confirmation of Deflection Angles at Panel Points	OBGDK	26-Feb-08	05/Mar/2008
ABF-RFI-000780	0	RFI-CAN-000520R01	RFI-CAN-000520R01 - Girder Stiffener Plate Location on Side Plate at Panel Point 117	OBGDK	05-Jul-07	11/Jul/2007
ABF-RFI-000783	0	RFI-CAN-000526R00	Floorbeam web profile and flange plate configuration at Panel Points 111.5, 112.5, 113.5, 114.5, 115.5, 116, 116.5, & 117.	OBGDK	30-Jul-07	06/Aug/2007
ABF-RFI-000790	0	RFI-CAN-000528	Cable Tray Transverse Support Beam Location	OBGDK	12-Jul-07	26/Jul/2007
ABF-RFI-000790	1	RFI-CAN-000528	Cable Tray Transverse Support Beam Location	OBGDK	31-Jul-07	14/Aug/2007
ABF-RFI-000799	0	RFI-CAN-000535R00	Floorbeam Vertical Flange Configuration	OBGDK	16-Jul-07	24/Jul/2007
ABF-RFI-000800	0	RFI-CAN-000530R00	RFI-CAN-000530, Plate Stiffener Splice @ FS 12	OBGDK	17-Jul-07	26/Jul/2007
ABF-RFI-000804	0	RFI-CAN-000534R00	Plate Stiffener Splice at FS 12 (E-Line)	OBGDK	18-Jul-07	25/Jul/2007
ABF-RFI-000805	0	RFI-CAN-000536R00	Stiffener Weld Interface With Rat Hole	OBGDK	18-Jul-07	25/Jul/2007
ABF-RFI-000810	1	RFI-CAN-000537R01	Cable Bracket Bolts Fouling Floorbeam Web and Number of Bolts Required for Cable Bracket Connection	OBGDK	23-Jul-07	27/Jul/2007
ABF-RFI-000814	0	RFI-CAN-000533R00	Cable Tray Supports Inside OBG in vicinity of PP117 to PP119	OBGDK	23-Jul-07	13/Aug/2007
ABF-RFI-000825	0	RFI-CAN-000544R00	Slot @ Floor Beam Web For Terminating Stiffener Plate on Edge Plate	OBGDK	25-Jul-07	01/Aug/2007
ABF-RFI-000825	1	RFI-CAN-000544R01	Slot @ Floor Beam Web For Terminating Stiffener Plate on Edge Plate	OBGDK	08-Aug-07	15/Aug/2007
ABF-RFI-000832	0	RFI-CAN-000542R00	Girder Face "B" material grade between Segment Splice 700 mm d/s from pp115 & pp115.2.	OBGDK	27-Jul-07	02/Aug/2007
ABF-RFI-000834	1	RFI-CAN-000550R00	Additional Pipe Sleeves for Electrical Penetrations in OBG side plates near PP's 14, 32, 50, 80, 110	OBGDK	17-Aug-07	27/Aug/2007
ABF-RFI-000837	0	RFI-CAN-000539R01	Unconstructible Details at PP112 and PP14.	OBGDK	11-Sep-07	19/Sep/2007
ABF-RFI-000837	1		Unconstructible Details at PP112 and PP14.	OBGDK	18-Oct-07	24/Oct/2007
ABF-RFI-000838	0	RFI-CAN-000547R00	RFI-CAN-000547R00, Catwalk Support @ Floorbeam Detail Verification	OBGDK	31-Jul-07	06/Aug/2007

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DocNo	Rev	Contr/RFI/Num	Subject	Disc	DateSent	AnsOn
ABF-RFI-000843	0	RFI-CAN-000545R00	RFI-CAN-000545R00, Bottom Plate Floorbeam Flange Brace	OBGDK	02-Aug-07	10/Aug/2007
ABF-RFI-000844	0	RFI-CAN-000531R00	RFI-CAN-000531R00, Diaphragm location and stiffener configuration	OBGDK	02-Aug-07	10/Aug/2007
ABF-RFI-000845	0		Cable Tray Supports at East End OBG, Vicinity of PP125 to PP127	OBGDK	07-Aug-07	20/Aug/2007
ABF-RFI-000855	0	RFI-CAN-000546R00	Cantilever Beam Bolts Spacing	OBGDK	06-Aug-07	14/Aug/2007
ABF-RFI-000869	0	RFI-CAN-000546R01	Type 1 & Type 2 Intermediate Floorbeam Web Configuration	OBGDK	14-Aug-07	22/Aug/2007
ABF-RFI-000895	0	RFI-ZPM-000282R00	Revising Location of Top Horizontal Stiffeners in East Cable Anchorage	OBGDK	29-Aug-07	05/Sep/2007
ABF-RFI-000904	0		Clarification of Safety Railing at Pier E2	OBGDK	31-Aug-07	10/Sep/2007
ABF-RFI-000919	0	RFI-CAN-000551R01	Pier E2 and East Anchorage Crossbeams - Lower Stiffener Splice Plate Length	OBGDK	11-Sep-07	27/Sep/2007
ABF-RFI-000920	0	RFI-CAN-000554R00	Cable Tray Location at PP114 & PP110	OBGDK	12-Sep-07	20/Sep/2007
ABF-RFI-000930	2	RFI-ZPM-000339R00	Corner Assembly Web Thickness at East End	OBGDK	16-Oct-07	23/Oct/2007
ABF-RFI-000930	1	RFI-CAN-000553R00	Bottom Stiffener on Side Plate Between PP 115 & FS 12	OBGDK	03-Oct-07	10/Oct/2007
ABF-RFI-000930	0	RFI-CAN-000553R00	Bottom Stiffener on Side Plate Between PP 115 & FS 12	OBGDK	19-Sep-07	01/Oct/2007
ABF-RFI-000946	1	RFI-CAN-000561R00	Traveller Bracket connections	OBGDK	16-Oct-07	02/Nov/2007
ABF-RFI-000946	0	RFI-CAN-000525R00	Traveller Bracket connections	OBGDK	27-Sep-07	04/Oct/2007
ABF-RFI-000982	0	RFI-CAN-000556R00	Cable Anchorage Work Point Elevations	OBGDK	10-Oct-07	15/Oct/2007
ABF-RFI-001003	0	RFI-CAN-000563R00	Stiffener Plate 11 Welds to Floorbeam Diaphragm Plate	OBGDK	17-Oct-07	24/Oct/2007
ABF-RFI-001041	0	RFI-CAN-000566R00	East Cable Anchorage Layout	OBGDK	06-Nov-07	15/Nov/2007
ABF-RFI-001078	0	RFI-CAN-000570R00	Floorbeam Web & Longitudinal Shear Plate Cutout in Lift 12	OBGDK	12-Nov-07	19/Nov/2007
ABF-RFI-001081	0	RFI-CAN-000571R00	Floorbeam Configuration at PP118.35 & 119.65. Thickness of Longitudinal Bulkhead PL @ E2	OBGDK	06-Dec-07	13/Dec/2007
ABF-RFI-001081	1	RFI-CAN-000571R00	ABF Cable Strand Arrangement, Final Geometry Model & Response to ABF-RFI-001031R00	OBGDK	06-Dec-07	21/Dec/2007
ABF-RFI-001087	0	RFI-CAN-000571R00	ABF Cable Strand Arrangement, Final Geometry Model & Response to ABF-RFI-001031R00	OBGDK	16-Jan-08	23/Jan/2008
ABF-RFI-001087	0	RFI-CAN-000574R00	Wind Vortex Generator Plates @ PP 115	OBGDK	12-Dec-07	19/Dec/2007
ABF-RFI-001090	0	RFI-CAN-000575R00	Longitudinal Diaphragm Configuration in OB13E along E3 and E4	OBGDK	13-Dec-07	21/Dec/2007
ABF-RFI-001126	0	RFI-CAN-000578R00	Plate & Stiffeners at PP 127	OBGDK	08-Jan-08	15/Jan/2008
ABF-RFI-001137	1	RFI - CAN 000606R00	Connection of Vertical Stiffeners at Shear Plate to Bottom Plate	OBGDK	31-Mar-08	07/Apr/2008
ABF-RFI-001146	0	RFI-CAN-000581R00	RFI-CAN-000581R00 - Camber values at the east anchorage crossbeam	OBGDK	18-Jan-08	08/Feb/2008
ABF-RFI-001165	1	RFI-CAN-000584R00	Saddle Grillage layout at Pier E2	OBGDK	30-Jan-08	22/Feb/2008
ABF-RFI-001165	0	RFI-CAN-000584R04	Saddle Grillage layout at Pier E2	OBGDK	31-Mar-08	07/Apr/2008
ABF-RFI-001183	0		East Anchorage Bearing Blocks	OBGDK	08-Feb-08	19/Feb/2008
ABF-RFI-001200	0	RFI-CAN-000587R00	RFI - CAN 000587R00 GIRDER PLATE TYPE INFORMATION	OBGDK	20-Feb-08	28/Feb/2008
ABF-RFI-001201	0	RFI - CAN 000588R00	LONGITUDINAL BULKHEAD CONNECTION TO GIRDER FACE "E"	OBGDK	20-Feb-08	27/Feb/2008
ABF-RFI-001201	2	RFI-CAN-000598R03	LONGITUDINAL BULKHEAD CONNECTION TO GIRDER FACE "E"	OBGDK	09-Jun-08	11/Jun/2008
ABF-RFI-001201	1	RFI-CAN-000598R01,R02	LONGITUDINAL BULKHEAD CONNECTION TO GIRDER FACE "E"	OBGDK	30-Apr-08	09/May/2008
ABF-RFI-001209	1	RFI - CAN 000599R00	RFI - CAN 000599R00 FLOORBEAM WEB PROFILE @ FLOORBEAM E2 [PP119 (-1500), PP119 & PP119 (+1500)]	OBGDK	25-Feb-08	03/Mar/2008
ABF-RFI-001210	1	RFI - CAN 000590R00	RFI - CAN 000590R00 STIFFENER PLATE LAYOUT ON GIRDER FACE "C" - OBE13	OBGDK	18-Apr-08	28/Apr/2008
ABF-RFI-001210	0	RFI - CAN 000590R00	Bearing Stiffeners at East Cable Anchorage	OBGDK	25-Feb-08	05/Mar/2008
ABF-RFI-001212	0	RFI-ZPM-000413R01	Horizontal Stiffener Location on Floorbeam Web @ PP120 Inside OBG	OBGDK	25-Feb-08	03/Mar/2008
ABF-RFI-001213	0	RFI-CAN-000594R00	Bearing Stiffener FLG PL Fouling Floorbeam FLG PL @ PP 118.35 & 119.65	OBGDK	25-Feb-08	05/Mar/2008
ABF-RFI-001214	0	RFI-CAN-000591R00	Stiffener Spacing on Top Flange of Crossbeam at Pier E2	OBGDK	29-Feb-08	10/Mar/2008
ABF-RFI-001220	0	RFI-CAN-000592R00	Bottom Flange Edge Plate Size & Bolt Configuration for Crossbeam @ E2	OBGDK	29-Feb-08	10/Mar/2008
ABF-RFI-001221	0	RFI-CAN-000595R00	Stiffener Connection @ Longitudinal Bulkhead Between PP118 & PP120	OBGDK	29-Feb-08	13/Mar/2008
ABF-RFI-001222	0	RFI-CAN-000596R00	Barrier Connection @ Longitudinal Bulkhead Between PP118 & PP120	OBGDK	03-Mar-08	11/Mar/2008
ABF-RFI-001226	0	RFI-CAN-000599R00	Traveler Rail Connection to Crossbeam @ Pier E2	OBGDK	03-Mar-08	10/Mar/2008
ABF-RFI-001227	0	RFI-CAN-000599R00	Extent & Size of Longitudinal Stiffener on Girder Face B	OBGDK	03-Mar-08	10/Mar/2008
ABF-RFI-001228	0	RFI-CAN-000600R00	Web Plate Splice at Floorbeam E2	OBGDK	03-Mar-08	13/Mar/2008
ABF-RFI-001230	0	RFI-CAN-000601R00	Cable Opening Flange Width	OBGDK	05-Mar-08	14/Mar/2008
ABF-RFI-001231	0	RFI-CAN-000602R00	Temporary Support Bearing Plate Location @ Line W13	OBGDK	12-Mar-08	21/Apr/2008
ABF-RFI-001232	0	RFI-CAN-000603R00	Fabrication Cambers for East Transition	OBGDK	13-Mar-08	20/Mar/2008
ABF-RFI-001235	0	RFI-CAN-000586	Bearing Stiffener Flange Plate Fouling Floorbeam FLG PL @ PP118.35 & 119.65	OBGDK	19-Mar-08	09/Apr/2008
ABF-RFI-001246	0	RFI - CAN 000605R00	Detailing of out-of-plane kinks	OBGDK	20-Mar-08	26/Mar/2008
ABF-RFI-001259	0	RFI - CAN 000605R00	Blkpath Connection @ PP 121	OBGDK		
ABF-RFI-001260	0	RFI-CAN-000610R00		OBGDK		

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DocNo	Rev	ContRfINum	Subject	Disc	DateSent	AnsOn
ABF-RFI-001261	1		Bottom Flange Stiffener For Crossbeam @ E2 and Crossbeam Key Plate Transition	OBGDK	07-Apr-08	08/Apr/2008
ABF-RFI-001261	0	RFI-CAN-000609R00	Bottom Flange Stiffener For Crossbeam @ E2 and Crossbeam Key Plate Transition	OBGDK	20-Mar-08	28/Mar/2008
ABF-RFI-001270	0	RFI-CAN-000614R00	Crossbeam Web Splice Configuration @ PP118 and PP120	OBGDK	25-Mar-08	04/Apr/2008
ABF-RFI-001270	2	RFI-CAN-000614R01	Crossbeam Web Splice Configuration @ PP118 and PP120	OBGDK	28-Apr-08	06/May/2008
ABF-RFI-001271	0	RFI-CAN-000612R00	Contact Drawing Clarification	OBGDK	25-Mar-08	03/Apr/2008
ABF-RFI-001272	0	RFI-CAN-000611R00	Barrier Configuration @ Vertical Kinks off the Floorbeam	OBGDK	25-Mar-08	02/Apr/2008
ABF-RFI-001273	0	RFI-CAN-000604R00	Plate Stiffener Splice @ Kinks	OBGDK	16-Apr-08	25/Apr/2008
ABF-RFI-001273	1	RFI-CAN-000604R01	Plate Stiffener Splice @ Kinks	OBGDK	27-Mar-08	03/Apr/2008
ABF-RFI-001276	0	RFI-CAN-000615R00	Floorbeam Web Size & Flange Configuration @ PP118.35 and PP119.65	OBGDK	31-Mar-08	07/Apr/2008
ABF-RFI-001279	0	RFI - CAN 000616R00	RFI-CAN-000616R00 - CLARIFICATION OF RESPONSE TO ABF-RFI-000551R00, Alignment of Longitudinal Shear Plate and Bearing Assemblies	OBGDK	09-Apr-08	16/Apr/2008
ABF-RFI-001279	1	RFI-CAN-000616R01	RFI-CAN-000616R00 - CLARIFICATION OF RESPONSE TO ABF-RFI-000551R00, Alignment of Longitudinal Shear Plate and Bearing Assemblies	OBGDK	01-Apr-08	09/Apr/2008
ABF-RFI-001289	0	RFI-CAN-000618R00	Longitudinal Shear Plate Weld to Girder Face "D" at Pier E2	OBGDK	02-Apr-08	11/Apr/2008
ABF-RFI-001293	0		RFI-ZPM-000461R00 - Propose to Use Chinese Standard Forging Material for Bearing Blocks at East Anchorage	OBGDK	07-Apr-08	14/Apr/2008
ABF-RFI-001300	0	RFI-CAN-000623R00	Floorbeam Diaphragm and Stiffener 11 Interface	OBGDK	07-Apr-08	15/Apr/2008
ABF-RFI-001301	0	RFI-CAN-000624R00	Floorbeam E2 Stiffener Interface	OBGDK	24-Apr-08	02/May/2008
ABF-RFI-001301	1	RFI-CAN-000624R01	Floorbeam E2 Stiffener Interface	OBGDK	08-Apr-08	15/Apr/2008
ABF-RFI-001302	0	RFI-CAN-000619	Floorbeam E2 Diaphragm Flange Size	OBGDK	08-Apr-08	15/Apr/2008
ABF-RFI-001303	0	RFI-CAN-000621R00	Floorbeam E2 Diaphragm Flange Size	OBGDK	29-Apr-08	12/May/2008
ABF-RFI-001303	1	RFI-CAN-000621R01	Plate Stiffener Termination on Edge Plate	OBGDK	08-Apr-08	15/Apr/2008
ABF-RFI-001305	0	RFI-CAN-000594R05	RFI-CAN-000584R05 - E Line Saddle Grillage Layout at Pier E2	OBGDK	08-Apr-08	15/Apr/2008
ABF-RFI-001305	1	RFI-CAN-000594R07	RFI-CAN-000584R05 - E Line Saddle Grillage Layout at Pier E2	OBGDK	13-May-08	30/May/2008
ABF-RFI-001305	2	RFI-CAN-000594R09	RFI-CAN-000584R05 - E Line Saddle Grillage Layout at Pier E2	OBGDK	12-Jun-08	20/Jun/2008
ABF-RFI-001305	3	RFI-CAN-000594R09	RFI-CAN-000584R05 - E Line Saddle Grillage Layout at Pier E2	OBGDK		
ABF-RFI-001306	0	RFI-CAN-000620R00	RFI-CAN-000620R00 East Saddle Trough and Cable CL Radius	OBGDK	09-Apr-08	16/Apr/2008
ABF-RFI-001309	0	RFI-CAN-000626R00	Cable Strand Cutout in "k" Plate & "k" Plate Stiffener Location	OBGDK	09-Apr-08	16/Apr/2008
ABF-RFI-001310	0	RFI-CAN-000625R01	ACCESS OPENING IN FLOORBEAM WEB @ PP120	OBGDK	12-Jun-08	20/Jun/2008
ABF-RFI-001314	0	RFI-CAN-000627R00	ACCESS OPENING IN FLOORBEAM WEB @ PP120	OBGDK	09-Apr-08	30/Apr/2008
ABF-RFI-001324	0	RFI-CAN-000628R00	Stiffener Plates Weld to Webs & Longitudinal Shear Plate	OBGDK	11-Apr-08	12/May/2008
ABF-RFI-001324	1	RFI-CAN-000628R01	RFI-CAN-000628R00 - OBE13 Girder Plate 7.8 Stiffener Plate Configuration	OBGDK	18-Apr-08	27/Apr/2008
ABF-RFI-001335	0	RFI-CAN-000632R00	FLOORBEAM WEB CONFIGURATION AT PP125.5 AND PP126.5	OBGDK	20-May-08	27/May/2008
ABF-RFI-001335	1	RFI-CAN-000632R01	FLOORBEAM WEB CONFIGURATION AT PP125.5 AND PP126.5	OBGDK	28-Apr-08	06/May/2008
ABF-RFI-001335	2	RFI-CAN-000632R02	FLOORBEAM WEB CONFIGURATION AT PP125.5 AND PP126.5	OBGDK	08-May-08	15/May/2008
ABF-RFI-001336	0	RFI - CAN 000631R00	FLOORBEAM WEB CONFIGURATION AT PP125.5 AND PP126.5	OBGDK	16-May-08	27/May/2008
ABF-RFI-001338	0	RFI - CAN 000629R00	RFI - CAN 000631R00 STIFFENER SPACING ON GIRDER FACE 'E' BETWEEN PP119 TO PP124 AND BETWEEN PP124 TO PP127	OBGDK	28-Apr-08	08/May/2008
ABF-RFI-001338	1	RFI-CAN-000629R02	RFI - CAN 000629R02 CATWALK CONFIGURATION AND CABLE TRAY LOCATION CLARIFICATION IN LIFT OBE13	OBGDK	28-Apr-08	13/May/2008
ABF-RFI-001341	0	RFI-CAN-000629R01	RFI - CAN 000629R02 CATWALK CONFIGURATION AND CABLE TRAY LOCATION CLARIFICATION IN LIFT OBE13	OBGDK	15-May-08	16/May/2008
ABF-RFI-001342	0	RFI-CAN-000633R00, RFI-CAN-000638R00	Catwalk Support Connection Fouling Segment Splice @ PP120 + 800	OBGDK	01-May-08	09/May/2008
ABF-RFI-001342	1	RFI-CAN-000638R00	Longitudinal Stiffener Plates @ Skin Plate Transition Bends in Lift 14	OBGDK	12-Jun-08	23/Jun/2008
ABF-RFI-001342	0	RFI-CAN-000633R00	Longitudinal Stiffener Plates @ Skin Plate Transition Bends in Lift 14	OBGDK	01-May-08	16/May/2008
ABF-RFI-001344	0	RFI-CAN-000590R02	Proposed Stiffener Plate Layout (Girder Face C - OBE13)	OBGDK	01-May-08	08/May/2008
ABF-RFI-001347	0	RFI-CAN-000634R00	Anchorage PL in East Anchorage Crossbeam	OBGDK	05-May-08	12/May/2008
ABF-RFI-001358	2	RFI-CAN-000635R02	FLOORBEAM WEB ACCESS OPENINGS	OBGDK	12-Jun-08	25/Jun/2008
ABF-RFI-001358	0	RFI-CAN-000635R00	FLOORBEAM WEB ACCESS OPENINGS	OBGDK	15-May-08	21/May/2008
ABF-RFI-001358	1	RFI-CAN-000635R01	FLOORBEAM WEB ACCESS OPENINGS	OBGDK	30-May-08	05/Jun/2008
ABF-RFI-001359	0	RFI-CAN-000636R00	Floorbeam Web Configuration @ PP125	OBGDK	15-May-08	23/May/2008
ABF-RFI-001373	0	RFI-CAN-000637R00	Runner Blade Connection @ PP118 & PP120	OBGDK	30-May-08	06/Jun/2008
ABF-RFI-001375	0	RFI-CAN-000640R00	CONTRACT DRAWING CLARIFICATION IN REGARD TO FLOORBEAM E2	OBGDK	02-Jun-08	06/Jun/2008
ABF-RFI-001377	0	RFI-CAN-000641R00	Floorbeam E2 Anchor Stool Weld	OBGDK	04-Jun-08	13/Jun/2008
ABF-RFI-001378	0	RFI-CAN-000617R00	Diaphragm Location in Floorbeam E-2	OBGDK	04-Jun-08	13/Jun/2008
ABF-RFI-001378	1	RFI-CAN-000617R01	Diaphragm Location in Floorbeam E-2	OBGDK	19-Jun-08	26/Jun/2008
ABF-RFI-001384	0	RFI-CAN-000642R00	PAD EYE LOCATION	OBGDK	06-Jun-08	13/Jun/2008

**SAN FRANCISCO / OAKLAND BAY BRIDGE PROJECT
SUMMARY OF REQUESTS FOR INFORMATION FOR "EAST END" THROUGH JUNE 26, 2008**

DocNo	Rev	ContrFINum	Subject	Disc	DateSent	AnsOn
ABF-RF-001386	0	RFI-CAN-000643R00	Stiffener Material Grade	OBGDK	09-Jun-08	11/Jun/2008
ABF-RF-001387	0	RFI-CAN-000644R00	Transverse camber of OBG at East Anchorage Crossbeam	OBGDK	09-Jun-08	11/Jun/2008
ABF-RF-001392	0	RFI-CAN-000590R03	TRAVELER RAIL CONNECTIONS ON GIRDER FACE C - OBE 13	OBGDK	12-Jun-08	
ABF-RF-001394	0	RFI-CAN-000638R00	RFI-CAN-000638R00 - Anchorage Stiffener and OBG Stiffener Interface on Bottom Plate Type D	OBGDK	12-Jun-08	
ABF-RF-001410	0	RFI-CAN-000629R03	Cable Tray Support Connection at Stiffener Splice Locations	OBGDK	20-Jun-08	26/Jun/2008
ABF-RF-001411	0	RFI-CAN 000584R11	Saddle Bearing Plate and Saddle Support Beam Layout	OBGDK	23-Jun-08	
ABF-RF-001420	0	RFI-CAN-000604R02	Plate Stiffener Splice @ Out of Plane Kink Only	OBGDK	26-Jun-08	
ABF-RF-001421	0	RFI-CAN-000625R02	Bolted Splice For Architectural Plates Girder Face "C"	OBGDK	26-Jun-08	

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THIS AGREEMENT made this 30 day of June, 2006 between Consultant:

Candraft-Tensor LLC (hereinafter referred to as CTLLC)
2060 South Patrick Drive
Indian Harbor Beach Florida 32937
Attention Walter Gatti
Phone : 321-773-3036
Fax : 321-773-3038

And Contractor:

American Bridge/Fluor Enterprises Inc. A Joint Venture
(hereinafter referred to as ABF)
1000 American Bridge Way
Coraopolis, PA 15108
Attn: Michael D. Flowers
Phone: 412-631-1000
Fax: 412-631-2001

Project: San Francisco – Oakland Bay Bridge
Self Anchored Suspension Bridge
Caltrans Contract No. 04-0120F4
Candraft-Tensor Estimate #2649R

Whereas American Bridge/Fluor a Joint Venture (ABF) has entered into an Agreement with the State of California, Department of Transportation (Caltrans) dated May 3, 2006 for the above Project (the Prime Contract).

Now therefore the parties to this agreement agree to be bound as follows:

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GENERAL PROVISIONS

1. CTLLC shall furnish all labor, supervision and supplies (except as herein after provided otherwise) to perform steel detailing services as described in the Additional Provisions of this Agreement.
2. All drawings and documents shall be prepared in accordance with the industry standards for shop details as developed by the NSBA, AASHTO and AISC organizations.
3. The Contract Documents for this Agreement shall consist of the applicable Caltrans Standard Plans and Standard Specifications issued on July 1999; the Notice to Contractors, Special Provisions and Plans dated August 1, 2005 which have been issued by Caltrans for this Project; Addenda No. 1 through No. 7 inclusive which have been issued by Caltrans for this Project and all other documents contained or referenced therein, insofar as they apply to the Services furnished under this Agreement. To the extent applicable to this Agreement, the Contract Documents are fully incorporated herein, and CTLLC acknowledges that it has read and is familiar with all of the terms and conditions therein and with the respective rights, obligations and liabilities of ABF and Caltrans hereunder, insofar as they apply to the Services furnished under this Agreement.
4. In the performance of this Agreement, CTLLC agrees to be bound to ABF by the terms of the Contract Documents as they apply to CTLLC's Services and shall assume

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toward ABF all obligations and responsibilities which ABF, under the Contract Documents, assumes toward Caltrans, insofar as they apply to CTLLC's Services. CTLLC shall have the benefit of all rights, remedies and redress against ABF which, by the Contract Documents, ABF has against Caltrans for payment of Time Related Overhead, payment of Mobilization, extensions of time, changes, adjustment, damages or otherwise attributable to Caltrans. It is understood that in the event of inconsistencies between this Agreement and the Contract Documents, this Agreement shall govern. Any claims of CTLLC based on the Services required by the Contract Documents which are included within the scope of this Agreement, whether for extension of time, changes in the Services, adjustment, damages or otherwise, must be submitted in accordance with the procedures set forth in the Contract Documents, and CTLLC's remedies and recoveries hereunder shall in every instance be limited to, and in no event exceed, adjustments authorized and approved by Caltrans, provided however that this does not apply to changes and extras requested by and approved by ABF that do not involve Caltrans.

5. ABF agrees to pay CTLLC the sum of **Ten Million Thirty Seven Thousand American Dollars (US\$10,037,000.00)** as full compensation for the scope of work described in the attached Additional Provisions. ABF agrees to negotiate agreement on the value of additions to or deletions from the agreed upon lump sum occasioned by additional work or reduced work imposed upon CTLLC by revisions or changes to the Contract Documents which affect the Services provided under this Agreement or changes in the scope of Services provided under this Agreement initiated by ABF. All extra work quotations are to be approved and incorporated as a Change Order in this Agreement prior to commencing work. In either case a detailed estimate shall be prepared by CTLLC and furnished to ABF for approval on each separate revision.

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6. Time is of the essence in the performance of Services under this Agreement. The Services hereunder shall be performed within the timeframe indicated in the Caltrans approved Working Drawing Submittal Schedule, subject to authorized extensions of time due to circumstances which are beyond the control of CTLLC. Substantial Completion without additions or deletions due to changes is estimated at eighteen (18) months from CTLLC Notice to Proceed. Final Completion is estimated at 24 months from CTLLC Notice to Proceed.
7. In the event of termination for convenience, ABF shall give CTLLC written notice and pay CTLLC a demobilization fee of US\$500,000.00 in addition to all outstanding progress invoices and change order invoices for Services performed up to the time of receiving the written notice of termination plus Services incidental to the termination that are necessary to wrap up the work. In the event of termination for cause, ABF shall provide CTLLC the reason and notice in writing and an opportunity to cure the default within thirty (30) days before any final termination for cause can be effective. Termination of the Agreement shall not prejudice or affect the accrued rights or claims and liabilities of the parties. After termination of the Agreement, the indemnity and insurance provisions of this Agreement shall apply.
8. If ABF is required to arbitrate a dispute with Owner or any third party, which dispute arises out of or is related to this Agreement, CTLLC agrees to join in such arbitration proceeding, if such joinder is allowed, and shall submit to such jurisdiction and be finally bound by the judgment rendered in accordance with the arbitration rules, as may be established therein. CTLLC acknowledges and agrees to its obligations to participate in Disputes Review Board proceedings if and to the extent required under

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Special Provision 5-1.12 of the Contract Documents. If CTLLC is required as a material witness to proceedings as mentioned above without any monetary stake in the outcome they shall be reimbursed at the rate of \$150.00 per hour plus expenses.

9. Payment shall be made in US Dollars. ABF shall own all work product, including drawings, which are produced and paid for pursuant to the terms of this Agreement.

10. In the event of excusable delays associated with Services provided under this Agreement, CTLLC is entitled to the same time extensions that that Caltrans grants ABF, as applicable.

11. All correspondence will be directed to ABF at the Working Drawing Campus.

All notices called for or contemplated herein shall be in writing and shall be deemed given when personally delivered or when both telefaxed and mailed, postage prepaid, by first class mail or express mail to the designated representative of the ABF or CTLLC at the telefax number and address shown on the face of this Agreement. The designated representative and/or the address and telefax number may be changed by either party by notice to the other party in the manner aforesaid, provided that such notice shall expressly refer to this Article and plainly state the change.

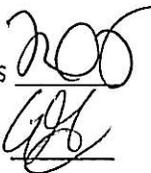
12. In the performance of the work, CTLLC will employ only skilled personnel thoroughly familiar with complex bridge structures.

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13. CTLLC is an independent contractor and in no event shall CTLLC or its employees be deemed to be employees of ABF. To the maximum extent permitted by law, CTLLC will indemnify, defend and save harmless ABF, American Bridge Company, Fluor Enterprises, Inc., the state of California and other parties required to be indemnified under the Contract Documents, including their employees and agents (collectively Indemnitees), against any and all liability, claims, demands, actions, costs and expenses (including attorney's fees and litigation costs) arising out of injuries including death to persons employed by CTLLC or damage to CTLLC's property occurring in the performance of the work hereunder, regardless of whether caused in part by acts, omissions, negligence or fault of Indemnitees, but excluding Indemnitees' sole negligence or willful misconduct. This indemnification shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for CTLLC under workers compensation acts, disability benefit acts or other employee benefit acts, and CTLLC expressly waives such statutory or constitutional immunity. CTLLC shall name Indemnitees as additional insured on its policies, but only with respect to injuries or death to CTLLC's and/or its sub consultants' employees, agents or invitees.

14. This Agreement shall be interpreted and governed by the laws of the state of California. The parties agree that the venue for any legal action under this Agreement shall be San Francisco, California. In the event that either party seeks to enforce this Agreement by legal action and the matter is referred to an attorney, then the prevailing party shall recover its costs and attorneys' fees, including the cost of expert witnesses, court costs and costs on appeal, and the court shall determine the amount of such costs and fees and allow recovery to said prevailing party in entering a final judgment. Unless the parties otherwise agree to negotiate, mediate

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or arbitrate the dispute, the parties agree to exclusive jurisdiction in the United States District Court for the Northern District of California sitting in San Francisco. Should such a court lack subject matter jurisdiction, the parties agree to exclusive jurisdiction in a California State Court of competent jurisdiction, sitting in San Francisco.

15. CTLLC shall execute "Partial" payment waivers with each monthly progress payment and "Final Payment Waiver and Release" prior to final payment by ABF to CTLLC.

16. During the performance of this Agreement within the United States, Consultant shall not unlawfully discriminate against any employee or applicant for employment because of race, religion, color, national origin, ancestry, physical handicap, medical condition, marital status, age (over 40) or sex. Consultant shall ensure that the evaluation and treatment of its employees and applicants for employment is free of such discrimination. Consultant shall comply with the provisions of the Fair Employment and Housing Act (Gov. Code, Section 12990 et seq.) and the applicable regulations promulgated there under (California Code of Regulations, Title 2, Section 7285.0 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code, Section 12990, set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations are incorporated into this contract by reference and made a part hereof as if set forth in full. Consultant shall give written notice of its obligations under this clause to labor organizations with which it has a collective bargaining or other agreement.

17. Waiver Forms (See attached)

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Handwritten initials 'JOO' and 'AG' in black ink.

UNCONDITIONAL WAIVER AND RELEASE UPON PROGRESS PAYMENT

The undersigned has been paid and has received a progress payment in the sum of \$_____ for labor, services, equipment, or material furnished to AMERICAN BRIDGE/FLUOR JOINT VENTURE (Your Customer) on the job of STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (Owner) for CONTRACT 04-0120F4 - 04-SF-80-13.2/13.9 SAN FRANCISCO OAKLAND BAY BRIDGE EAST SPAN SEISMIC RETROFIT PROJECT SELF-ANCHORED SUSPENSION BRIDGE (Job Description) and does hereby release any lien, stop, notice, or bond right that the undersigned has on the above-referenced job to the following extent. This release covers a progress payment for labor, services, equipment, or materials furnished to AMERICAN BRIDGE/FLUOR JOINT VENTURE (Your Customer) through _____ (Date) only, except as follows:

Date: _____

(Company Name)

Corporate _____
Seal _____
By _____

Name and Title _____
(Corporate Officer/Partner/Sole Proprietor)

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CONDITIONAL FINAL WAIVER AND RELEASE

IN CONSIDERATION of the sum of

(\$ _____) to be paid to the undersigned by American Bridge Company /Fluor Enterprises, Inc., A Joint Venture (hereinafter referred to as "Contractor"), as full and final payment for all work required of and performed by the undersigned for the Contractor on that certain project known as of STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (Owner) for CONTRACT 04-0120F4 - 04-SF-80-13.2/13.9 SAN FRANCISCO OAKLAND BAY BRIDGE EAST SPAN SEISMIC RETROFIT PROJECT SELF-ANCHORED SUSPENSION BRIDGE and through the Agreement between the parties dated _____, (Agreement) together with all additions, supplements and change orders to and modifications of said Agreement, and all other work, if any, performed by the undersigned on said project.

1. THE UNDERSIGNED HEREBY DECLARES UNDER PENALTY OF PERJURY THAT, with respect to all of such work:

- A. All labor employed thereon or in connection therewith and all payroll taxes and charges such as Withholding Taxes and/or Insurance Premiums and all applicable union fringe benefits have been paid in full.
- B. All materials and services furnished and used upon or in connection with said work have been paid for in full, and all sales, use, excise and similar taxes on or in connection with the same have been fully paid.

2. The undersigned hereby releases and forever discharges the Contractor and Owner (as identified in said Agreement), their respective sureties, if any, and all lands, improvements, chattels and other real and personal property connected with or a part of said project from any and all claims, demands, liens and claims of lien whatsoever arising out of said Agreement and/or said work and which it now has or hereafter might or could have.

3. The undersigned will, at its sole cost and expense, forever defend and hold harmless the Contractor and the Owner from any and all claims and demands and will forward against and obtain the discharge of any and all liens, claims of lien and notices to withhold payment made by others arising out of or in connection with said work, including, without limitation, those claimed or asserted by an employee, supplier, or sub-consultant of the undersigned by any employee or supplier of a sub-consultant of the undersigned, or by any governmental agency or insurance carrier.

This release and waiver of lien shall inure to the benefit of the Contractor, the Owner, and their respective sureties, successors and assigns and shall be

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binding upon the undersigned and its or their heirs, successors and assigns upon payment of the aforesaid sum by Contractor to the undersigned.

Dated this _____ day of _____, 20__ at _____.

CORPORATE
SEAL

Attest: _____

Corporate Secretary

Name of Consultant

By: _____

Title: _____ (Corporate
Officer/Partner/Sole Proprietor)

NOTARY ACKNOWLEDGEMENT

State of _____

County of _____ Ss:

Before me personally came _____, who, being duly sworn by me, did depose and say that he/she is the _____ (title) of _____ (Name of Company) and knows the corporate seal thereof, that the seal affixed hereto is such corporate seal and was hereto affixed by authority of said corporation; and that he/she signed this instrument pursuant to authority granted by said corporation.

Sworn to before me this _____ day of _____, 20 _____.

(Signature)

(Printed or Typed Name of Notary

Public)

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 [Signature]

18. The following Additional Provisions shall be made part of this Agreement.

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NO RETAINAGE
 PAY PER PROJ MGR'S
 INSTRUCTIONS

CANDRAFT-TENSOR LLC-SELLER
 And
 American Bridge/Fluor A Joint Venture- CONTRACTOR

Re: East Span Seismic Safety Project
San Francisco - Oakland Bay Bridge
Caltrans Contract No. 04-0120F4

SECTION 18 - ADDITIONAL PROVISIONS

AP-1 PRICING:

G/L CODE 5200

Lump Sum Pricing: (all prices quoted in U.S. currency)

<u>Item #</u>	<u>Description</u>	<u>Qty</u>	<u>Bid Price</u>	
5	Time Related Overhead	540 days	\$1,505,550.00	0188100
18	Accelerated Working Drawing Submittal (As it pertains to Item 52, TOWER)	13,095,000 kg	\$1,381,963.00	0188110
18	Accelerated Working Drawing Submittal (As it pertains to Item 54, TOWER STRUT)	68 ea.	Inc in Item 52	N/A
18	Accelerated Working Drawing Submittal (As it pertains to Item 55, BOX GIRDERS))	29,065,000 kg	\$5,005,820.00	0188120
50	Furnish Structural Steel (Bridge)	183,000 kg	\$ 54,016.00	0188130
57	Furnish Structural Steel (Bridge) - BIKE PATH	1,273,000 kg	\$ 285,712.00	0188140
71	Service Platform	5 ea.	\$ 30,866.00	0188150
85	Steel Barrier (Type 732 Modified)	2,490 M	\$ 147,812.00	0188160
101	Traveler Support Rail	398,570 kg	\$ 118,230.00	0188170
102	Wind Vortex Generator Attachment Plates	82 ea.	\$ 1,481.00	0188180
140	Mobilization	1 LS	\$1,505,550.00	0101101
			TOTAL BID PRICE	\$10,037,000.00

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AP-2 QUALIFICATIONS:

- a) All calculations and drawings will be prepared in Metric units only, with no reference to Imperial units.
- b) All calculations and drawings will be prepared using English language only.
- c) Prices quoted are valid until This Agreement is signed by both parties provided that a Notice to Proceed (NTP) has been issued by that time.
- d) The following information is required within (120) days of NTP to assure that drawings for commencing fabrication of the tower base up to elev. 13 m and box girder lifts 1 to 4 will be ready to stamp and submit for approval within 300 days after NTP:
 - All shop fabrication procedures and standards
 - Welding details, standards, and procedures
 - Locations and connection details of all items connecting to our scope of work (Including bolt spacing and size of holes for mounting these items but excluding coordination)
 - Camber information and calculations (except final camber information for Panels 95 to Hinge A, which will be provided by ABF approximately 6 months after receipt of approved shop drawing gross weights from Panels 8 to 95 and estimated shop drawing gross weights from Panels 95 to Hinge A).
Note: Any revisions to shop drawings based on receipt of final camber information will be considered as extra work to contract.
 - All erection procedures, attachments, reinforcements changes to material sizes, location of field splices, and camber adjustments for OBG's
 - All utility penetration locations

With at least 60 days advance notice, ABF may be up to 60 days late providing CTLLC the above information, provided that CTLLC receives a corresponding time extension for the delay in receiving such information. CTLLC will cooperate with ABF to develop more detailed, prioritized schedules for delivering information during the development of the Baseline and Working Drawing Submittal Schedules.

- e) Tower price is based on tower being plumb with no camber, curvature, or horizontal displacement.
- f) Additions and Revisions to the detailing scope of work initiated by a Caltrans Change Order will be billed on an hourly basis at the rate of \$90.00 (U.S.) per hour plus approved Time Related Overhead. Additions and Revisions to the detailing scope of work initiated by an ABF Initiated Change Order will be billed at the rate of \$105.00 (U.S.) per hour. The ABF rate includes direct costs and Time Related Overhead. This includes revisions to drawings previously submitted for approval. Extra work will be based on design changes on approval, design revisions to contract documents or modifications requested by ABF and/or ZPMC, and must be approved by ABF prior to commencing any work.

AP-3 PAYMENT TERMS:

- a) Progress payments will be made within 10 days after receipt of payments from Caltrans, except that additional work for ABF or on behalf of its' subcontractors and/or vendors will

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be paid within 30 days after completion of additional work (drawings sent for approval) and ABF receipt of invoice for same.

- b) Monthly invoices will incorporate all contractual costs including mobilization costs, time related overhead costs, and monthly progress payments due for work completed in accordance with the Caltrans Contract Special Provisions, and CTLLC schedule of values as approved by Caltrans.
- c) Undisputed, unpaid invoices in excess of sixty (60) days shall be subject to an interest charge at the rate of 1% per month from the date past due. The undisputed portion of any invoice shall be paid when due, withholding only the disputed amount. In the event invoices are not timely paid, ABF will pay all costs and expenses incurred as a result thereof, including but not limited to reasonable attorneys' fees, and all costs of collection, regardless of whether litigation or any other type of proceeding is commenced.
- d) Except for the 60 day grace period or as otherwise mutually agreed during development of detailed, prioritized schedules for delivery of information, delays due to revisions, lack of, or late information as described above in qualifications, will result in additional cost and schedule impacts, and will be billed as a direct cost at the rate of \$4,000.00 (U.S.) per calendar day, plus time related overhead charges when Caltrans or ABF is the direct cause of a delay to CTLLC's performance.
- e) Not Used.
- f) Limited Liability Notice:

Any claim against CTLLC arising out of Services provided per this contract shall be limited to five percent of the amount paid for the Services listed herein.

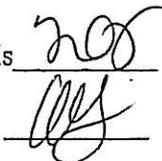
No claim will be recognized unless the claim exceeds five percent of the amount paid for the services listed herein.

The above limitations on liability due to CTLLC errors or omissions apply only to claims from ABF. Additionally, ABF agrees to indemnify CTLLC for all costs incurred by CTLLC for any action brought against CTLLC by third parties related to Services provided herein, except for CTLLC's own negligence.

AP-4 Working Drawing Submittal Schedule:

A preliminary working drawing submittal schedule in bar chart format will be submitted no later than July 7th 2006 providing that this Agreement is signed by both parties by July 3, 2006. CTLLC will cooperate with ABF to develop and refine a mutually agreeable schedule prior to its submission to Caltrans on or about July 12, 2006. CTLLC will provide supplemental information as required by special provisions sections 10-1.16, "Working Drawing Campus", 10-1.17, "Accelerated Working Drawings Submittal" and 10-1.18, "Working Drawing Submittal Schedule" applicable to our Services. We will also provide information in bar chart format to ABF for monthly updates to the Working Drawing Submittal Schedule.

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AP-5 General Inclusions:

- a) Advance Bill of materials
- b) Geometry layouts and drawings
- c) Camber and plate cutting diagrams as required (not to scale)
- d) Interface drawings as required (Tower to Base eg.)
- e) Erection, Assembly, and Sub-Assembly drawings
- f) Blocking diagrams as required
- g) Shop detail drawings in accordance with Caltrans Special Provisions and project Specifications and industry standards as developed by AASHTO/NSBA and AISC.
- h) Shop and field bolts lists
- i) Field weld summaries
- j) Electronic transfer of RFI's, drawings for approval and drawings released for fabrication and construction (ABF to produce paper copies as required).
- k) Gross weights on drawings.
- l) Attachments on the interior of the tower and box girders will be included under CTLLC's scope of work provided that ABF furnishes checked and approved location drawings showing the aforementioned in plan, section and elevation in a timely manner pursuant to section AP-2, item d). Attachments to the outside of the tower and/or box girders are NOT included in our scope of work. Attachments to the outside of the tower/box girders will be quoted on an hourly basis after ABF furnishes to CTLLC checked and approved location drawings showing the type of support in plan, section and elevation. See Scope of Work Matrix AP-10.

AP-6 General and Contractual Exclusions:

- a) Connection design
- b) All Bid Items not listed in "Lump Sum pricing"
- c) Grating and banding (to be furnished by supplier of those items)
- d) CNC data and downloads
- e) Drawing campus facilities, and more than two trips for partnering, progress and set-up meetings
- f) Liquidated damages
- g) Retainage on progress and final payments due (see also "Payment Terms")
- h) Hard copy issue of drawings for approval and "as-built" purposes
- i) All items and supports that are embedded into concrete
- j) Net weight on drawings (Gross weights included in Base Bid)
- k) Integrated shop drawings
- l) Reinforcing steel and/or HS bar
- m) Distortion plan (if requested by ABF, review and comments performed at hourly rate)
- n) Detailing of Mock-ups and fabrication procedure of same (comments performed at hourly rate if requested by ABF)
- o) Preparation of welding procedures and specifications, heat straightening procedures, and fabrication procedures (if requested by ABF, review and comments performed at hourly rate)
- p) Weld splice prequalification reports (if requested by ABF, review and comments performed at hourly rate)
- q) Weld qualification procedure reports (if requested by ABF, review and comments performed at hourly rate)
- r) Any liquidated, consequential, indirect, or soft cost damages.

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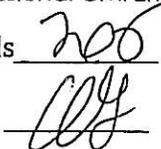
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- s) The furnishing or costs of any bonds
- t) Interim or baseline schedule using critical path method (information will be submitted to the contractor using a simple bar-chart medium)
- u) Attendance at weekly schedule and project management meetings
- v) All costs associated with the working drawing campus facilities.
- w) Working drawings and calculations associated with the following items:
- W-2 Cap beam
 - Erection of the Tower and/or deck
 - Castings
 - Cable system
 - Temporary towers
 - Concrete work, either permanent or temporary
 - Prestressing requirements
 - Cable tie-downs
 - Spherical bearings and bushings, and circular segmented bearings (except the interface connections to work in scope)
 - Hinges
 - Shear keys (except the interface connections to work in scope)
 - Seismic joints
 - Fabrication repair procedures
 - Details of tack welds and sequence of welds, or weld shrinkage calculations
 - Details of removal of temporary elements
 - Methods of handling large elements
 - Detailing of temporary connections, bracing, and transportation fastenings
 - Preliminary erection plan/erection plan, and construction sequencing plans
 - Finite analysis of OBG's during hoisting or storage
 - Finite analysis of Tower during hoisting or storage
 - Bolt tightening procedures
 - Fracture control plan
 - Dimensional control plan
 - Anchor bolt layouts and details (by base detailer, except information supplied by base detailer will be incorporated into shop drawings for Tower Base)
 - Tower saddle components, and all as shown or referred to above El.151.000m
 - Tower pile cap base, and all as shown or referred to below El.3.000m
 - Dehumidifier supports
 - Tower camber (dead load shortening is considered as shown in Contract Documents)
 - Weight control program (except will provide input and comments)
 - Feasibility review proposals
 - Structural calculations (stresses and deflections) for temporary support conditions during shop handling and assembly, sea transportation and interim dimensions for temporary conditions etc.
- x) All penetrations for electrical, mechanical, dehumidification and piping utilities that are not sized or located on the contract plans or shown on approved shop drawings supplied by ABF within 120 days after Notice to Proceed

AP-7 Stamping of Drawings

Pursuant to section 5-1.01 of the Special Provisions, titled WORKING DRAWINGS, all drawings created for formal submission to Caltrans by CTLLC will be stamped and signed by a registered, professional Civil Engineer in the State of California. The cost for this service is included in various

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pay items and is not intended for separate payment. The Professional Liability Insurance required under Schedule E-Insurance only applies to the registered professional Civil Engineer in the State of California stamping the drawings.

To the fullest extent permitted by law and notwithstanding the Limited Liability Notice contained in Section AP-3, subsection f) of this Agreement, CTLLC shall indemnify, defend and hold harmless ABF, American Bridge Company, Fluor Enterprises, Inc., Owner, T.Y. Lin International/Moffat & Nichols Engineers, a Joint Venture, as well as all other parties ABF is required to indemnify under the Contract Documents, and each of their officers, directors, partners and employees from and against any all claims, costs, losses and damages (including but not limited to all fees and charges of engineers, architects, attorneys and other professionals, and all court or arbitration or other dispute resolution costs) to the extent caused by the negligence, errors or omissions of CTLLC or CTLLC's officers, directors, partners, employees and sub-consultants in the performance or furnishing of the services described in this Section AP-7, STAMPING OF DRAWINGS.

AP-8 Participation in Working Drawing Campus

CTLLC agrees to place a qualified engineer or detailer, at their discretion, at the ABF provided Working Drawing Campus. The engineer or detailer will act on behalf of and take direction only from CTLLC. The CTLLC representative will be available on site for a period of 18 months commencing 30 days from CTLLC's Notice to Proceed. It is not the intent of CTLLC to make their representative available at the Campus on every contract working day but rather on an as-needed basis as determined by CTLLC management. The cost for this participation at the working drawing campus is included in various pay items and is not intended for separate payment. In the event that ABF deems that it is necessary to extend the 18 month period the engineer/detailer will be provided at an additional cost of \$20,000.00 per month, in full month increments, invoiced during the regular progress payment intervals.

AP-9 Insurance

SCHEDULE E - INSURANCE

INSURANCE NEEDED

E.1 Prior to the commencement of the Consultant's work, the Consultant shall procure and maintain in full force and effect for the duration of the term of this Agreement the following insurance coverages and minimum limits with insurance companies acceptable to Contractor.

COMMERCIAL GENERAL LIABILITY INSURANCE

E.2[#] The policy shall be written on an occurrence basis with limits not less than \$1,000,000 Combined Single Limit (\$50,000 limit for Fire Legal Liability). The coverage provided shall be at least as broad as ISO Form CG0001 or ISO Broad Form GL0404, including coverage for Premises-Operations, Independent Contractors, Contractual Liability (no watercraft or employee bodily injury exclusion), Broad Form Property Damage including explosion, collapse and underground hazards, Products-Completed Operations, Personal and Advertising Injury Liability and Fire Legal Liability. If the policy contains a general aggregate limitation, then the policy shall be endorsed to provide at least a \$2,000,000 specific aggregate for the Work on this project. The policy shall name Contractor, its officers, employees and agents and all parties required by the Prime Contract as Additional Insureds (hereinafter collectively "Additional Insureds"), but only with respect to bodily injury, or property damage to Consultant's employees, agents and invitees at

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the Project site. The policy shall also include a cross liability or severability of interest clause and shall be primary and noncontributory insurance for all acts or omissions or any other liability of Additional Insureds arising out of Consultant's use of premises, equipment and facilities of Additional Insureds, excluding sole negligence or willful misconduct of Additional Insureds. Any other insurance maintained by Contractor for its own benefit, or for the benefit of other Additional Insureds hereunder, shall be excess and noncontributory. Any other insurance maintained by other Additional Insureds hereunder shall also be excess and noncontributory towards Consultant's primary insurance if required by the Prime Contract toward Contractor. Contractor's general liability policy has been or will be endorsed to apply as excess over and noncontributory with any valid and collectible insurance (collectible insurance includes Consultant's deductibles and self-insured retentions) available to Additional Insureds on Consultant's policies.

COMMERCIAL/BUSINESS AUTOMOBILE LIABILITY INSURANCE

E.3 The policy shall contain limits of not less than \$1,000,000 Combined Single Limit and include coverage for "any auto" or "all owned, hired and non-owned autos." The coverage shall be at least as broad as ISO Form CA0001, shall include Contractual Liability coverage applicable to this agreement and shall name Contractor and all parties required by the Prime Contract as Additional Insured(s).

EXCESS/UMBRELLA LIABILITY INSURANCE

E.4 The policy(ies) shall be written with limits of not less than \$1,000,000 Combined Single Limit per occurrence and aggregate for this project, and coverages shall, as a minimum, follow form of Consultant's General Liability, Automobile Liability, and Employer's Liability coverages, including contractual liability coverage and coverage afforded to Additional Insured(s). The umbrella or excess liability coverage takes effect (drops down) in the event the primary limits are impaired or exhausted.

WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY INSURANCE

E.5 The policy shall provide coverage for statutory benefits and Employer's Liability coverage of \$1,000,000 per occurrence. The policy shall be endorsed to include USL&HW Compensation Act coverage and Maritime coverage if applicable to the services performed.

PROFESSIONAL LIABILITY INSURANCE

E.6 The policy shall be written with limits of not less than \$1,000,000 Combined Single Limit per occurrence (\$2,000,000 annual aggregate).

CERTIFICATES OF INSURANCE

E.7 Prior to commencing the Work, Consultant shall provide a Certificate of Insurance, completed and signed by an authorized agent of its insurance company(ies), as evidence of Consultant's compliance to Schedule E of this Agreement. FAILURE OF CONTRACTOR TO ENFORCE THIS REQUIREMENT SHALL NOT CONSTITUTE A WAIVER OF CONSULTANT'S OBLIGATIONS TO PROVIDE INSURANCE AS SPECIFIED HEREIN. In the event that the Consultant fails to obtain and keep in full force and effect any of the insurance requirements under this Agreement, Contractor may purchase, but is not obligated to purchase, such coverage and use any funds payable to the Consultant to satisfy any premium requirements.

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The Certificate Holder shall be:

American Bridge/Fluor Enterprises Inc. A Joint Venture
Attn: Ralph J. Whitney
1000 American Bridge Way
Coraopolis, PA 15108
Telephone: 412-631-1033
Telefax: 412-631-2002

All policies shall be endorsed to provide mandatory 30 days written notice of cancellation or non-renewal (10 days in event of nonpayment) to Certificate Holder. Failure to inform Certificate Holder of cancellation or non-renewal, without securing replacement coverage equivalent to that specified herein, shall constitute a material breach of contract to provide insurance. Contractor shall rely on Certificates of Insurance as evidence of compliance by the insurance policies in all respects with the requirements of this Schedule E unless expressly stated otherwise thereon or in any attachments thereto. All deductibles, self-insured retentions and exclusionary endorsements affecting coverage for the Additional Insureds must be fully disclosed and are subject to approval of Contractor. Consultant shall be solely responsible for and shall solely pay all deductibles, self-insurance or similar retentions. NONCONFORMING INSURANCE SHALL NOT RELIEVE CONSULTANT OF ITS OBLIGATION TO PROVIDE INSURANCE AS SPECIFIED HEREIN unless waived in writing by Contractor and this obligation shall survive this Agreement even though Consultant has completed its Work and has been fully paid.

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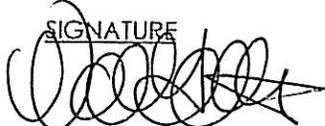
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SCHEDULE F - AUTHORIZATIONS

F.1 The person(s) listed below is/are authorized to execute on behalf of Consultant Contract Documents between Consultant and Contractor, consisting of, but not limited to the following:

- Contracts
- Change Orders
- All Waivers of Right to Claim against the Payment Bond forms, both Partial and Final

Authorization as described in F.1 extends only to the following:

<u>NAME (Please Print)</u>	<u>TITLE</u>	<u>SIGNATURE</u>
WALTER J GATTI	Member	

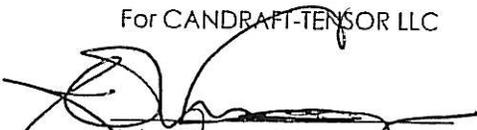
It is the responsibility of the Consultant to notify Contractor in writing if a change to the agreement is requested to amend the authorized signatures. Only a written request is acceptable and an executed Change Order is required before request is effective.

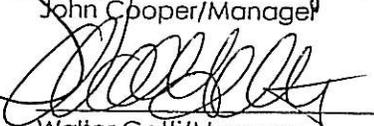
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WJG

AP-10 Scope of Work Matrix

The following matrix is for reference only and clarifies CTLLC's responsibilities by contract drawing number and respective bid item as it pertains to the services furnished under this agreement.

For CANDRAFI-TENSOR LLC


John Cooper/Manager JUNE 30, 2006
Date


Walter Gaffi/Manager June 30, 2006
Date

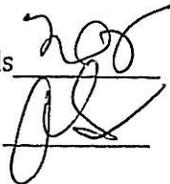
For American Bridge/Fluor A Joint Venture

Printed Name/Title

Michael D. Flowers, Project Director


Signature June 29, 2006
Date

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AP-10 Scope of Work Matrix

The following matrix defines CTLLC's responsibilities by contract drawing number and respective bid item as it pertains to the services furnished under this agreement.

East Span Seismic Safety Project
San Francisco - Oakland Bay Bridge
Caltrans Contract No. 04-0120F4

6/19/2006

Candraft - Tensor LLC Detailing Scope of Work Matrix : ALL BID ITEMS BY DRAWING SHEET REFERENCE

- see ABF color-coded set for items identified as "included" in ABF scope of work

sheet No.	Bid Item No.	Description of work	CTLLC Scope	ABF Scope	Comments/Notes
1-10		layout, profile, and superlevation information			reference only
11-31		construction & traffic handling details	N.I.C	inc	not in CTLLC scope of work
32,33		sign details	N.I.C	inc	not in CTLLC scope of work
34	OBG	sign support bracket attached to OBG	inc	inc	
35,36		sign details	N.I.C	inc	not in CTLLC scope of work
37-40		mechanical reference drawings			reference only
41-46	OBG	main span structure PS-5 piping plan layout	inc	inc	
47-51	Barriers/OBG	mechanical piping reference drawings			reference only
52	Tower	note 1 - penetration sleeve through strut façade	N.I.C	inc	not in CTLLC scope of work
53	OBG	mechanical piping reference drawings			reference only
54	OBG	PS-1, PS-2, PS-3, PS-4, PS-6	N.I.C		not in CTLLC scope of work
54	OBG	PS-5 (L76x76x9.5)	inc	inc	co-ordination/location by others
55	Tower/OBG	PS-7, PS-8, PS-9 (concrete), PS-10, PS-11, PS-12	N.I.C	inc	not in CTLLC scope of work
55	Tower	PS-9 (plate shop weld to Tower)	N.I.C	inc	not in CTLLC scope of work
56	OBG	pipe support details	N.I.C	N.I.C	clarify scope
57	OBG	PS-22,23,26	inc	inc	co-ordination/location by others
57	OBG	PS-19, PS-20, PS-21, PS-24, PS-25, PS-27	N.I.C	inc	not in CTLLC scope of work

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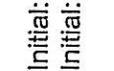
sheet No.	Bid Item No.	Description of work	CTLLC Scope	ABF Scope	Comments/Notes
58-61	55	dehumidification plans	N.I.C	inc	reference only
62,63	128	tower dehumidification details	N.I.C	inc	not in CTLLC scope of work
64,65	55	east cable anchorage dehumidification details	N.I.C	inc	not in CTLLC scope of work
66,67	128	tower head dehumidification	N.I.C	inc	not in CTLLC scope of work
69,70	52	elevator guide connection clip angles	N.I.C	inc	not in CTLLC scope of work
71		general notes, abbreviations, symbols			reference only
72	57	call box support pipe, ref. detail 1 (note 5)	inc	inc	co-ordination/location by others
73	55	10mm & 13mm stiffener plates to OBG's	inc	inc	
74	55	13mm plate to crossbeam for stair support	inc	inc	
72-75	71	service platforms	inc	inc	
76		miscellaneous details			
77	55	typical cable tray support below bridge girder	N.I.C	inc	not in CTLLC scope of work
78,79	57	bench leg PL 13x120x150 shop welded to deck plate	N.I.C	inc	not in CTLLC scope of work
80,81	55	cable tray supports (internal)	inc	inc	co-ordination/location by others
82	55	pull box supports	inc	inc	co-ordination/location by others
83	55	electrical panel support	N.I.C	inc	not in CTLLC scope of work
84-86	55	cable tray supports (internal)	inc	inc	co-ordination/location by others
87-132	55	reference drawings (conduit holes for electrical)	inc	inc	co-ordination/location by others
133	85	L64x64x6.4 per section A-A	inc	N.I.C	not in CTLLC scope of work
134 - 144	55	reference drawings (conduit holes for electrical)	inc	inc	clarify scope ??
145	55	light pole anchorage details	N.I.C	inc	not in CTLLC scope of work
146-165	55	reference drawings (conduit holes for electrical)	inc	inc	co-ordination/location by others
166	55	sleeve penetration detail 7/166	N.I.C	inc	not in CTLLC scope of work
167-174	55	reference drawings (conduit holes for electrical)	N.I.C	inc	not in CTLLC scope of work
175-180	55	cable tray supports (internal)	inc	inc	not in CTLLC scope of work
181-230	55	cable tray supports (internal)	inc	inc	co-ordination/location by others
175-230	55	reference drawings (conduit holes for electrical)	inc	inc	co-ordination/location by others
209	85	L64x64x6.4 per section A-A	N.I.C	inc	not in CTLLC scope of work
231-233	55	cable tray supports (internal)	inc	N.I.C	co-ordination/location by others
234-236	55	reference drawings (conduit holes for electrical)	inc	inc	co-ordination/location by others
237	55	cable tray supports (internal)	N.I.C	inc	not in CTLLC scope of work
238-291	55	cable tray supports (internal)	inc	inc	co-ordination/location by others

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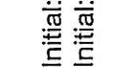
sheet No.	Bid Item No.	Description of work	CTLLC Scope	ABF Scope	Comments/Notes
238-293	Tower/OBG	reference drawings (conduit holes for electrical)	N.I.C	inc	not in CTLLC scope of work
267	Tower	tower lighting at head (bracket)	N.I.C	inc	not in CTLLC scope of work
292	OBG	sealing plate, ref. detail 2	inc	inc	
294-318	OBG	reference drawings (conduit holes for electrical)	N.I.C	inc	not in CTLLC scope of work
319-320	Tower	traffic operations system connections - Tower	N.I.C	inc	not in CTLLC scope of work
321-330	OBG	reference drawings (conduit holes for electrical)	N.I.C	inc	not in CTLLC scope of work
331-332	OBG	cable tray supports (internal)	inc	inc	co-ordination/location by others
333-335	Tower	strong motion detection system conduit - Tower	N.I.C	inc	not in CTLLC scope of work
336-338	OBG	cable tray supports (internal)	inc	inc	co-ordination/location by others
339-407	OBG	reference drawings (conduit holes for electrical)	N.I.C	inc	not in CTLLC scope of work
407A-D		traffic control systems	N.I.C	inc	not in CTLLC scope of work
408		bridge details	inc	inc	
409-415C		overhead sign details	inc	inc	
416-417		lighting standards	N.I.C	inc	not in CTLLC scope of work
418-427		general notes, drawing index	N.I.C	inc	not in CTLLC scope of work
428-441	OBG	reference drawings	N.I.C	inc	not in CTLLC scope of work
442-446		foundation plans, reference only	N.I.C	inc	not in CTLLC scope of work
447-453		pier W2 details, reference only	N.I.C	inc	not in CTLLC scope of work
454-509		W2 cap beam details, reference only	N.I.C	inc	not in CTLLC scope of work
491	OBG	west jacking frame & blocking	N.I.C	inc	not in CTLLC scope of work
493	OBG	jacking saddle	N.I.C	inc	not in CTLLC scope of work
510-519		pier E2 details, reference only	N.I.C	inc	
520-523		cable tie-down details, reference only	inc	inc	(except as listed herein)
524-613	Tower	tower details, and reference drawings	N.I.C	inc	not in CTLLC scope of work
526	Tower	tower mock-ups	N.I.C	inc	not in CTLLC scope of work
571	Strut	spherical bushings at tower struts	N.I.C	inc	not in CTLLC scope of work
593-599	Tower	anchor bolts, dowels (all below el. 3.000m)	N.I.C	inc	not in CTLLC scope of work
605	Tower	tower saddle (all above el. 151.000m)	N.I.C	inc	not in CTLLC scope of work
614-618	OBG	cable railing	N.I.C	inc	not in CTLLC scope of work
619-635	OBG	OBG details, and reference drawings	inc	inc	
636	OBG	cable railing base plate	N.I.C	inc	not in CTLLC scope of work
637-640	OBG	OBG details, and reference drawings	inc	inc	

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sheet No.	Bid Item No.	Description of work	CTLLC Scope	ABF Scope	Comments/Notes
641	OBG	anchor bolts	N.I.C	inc	not in CTLLC scope of work
642-645	OBG	adjusted camber	N.I.C	inc	not in CTLLC scope of work
646-673	OBG	OBG details, and reference drawings	inc	inc	utility opening co-ordination by others
674-676	OBG	shear key & bearing	N.I.C	inc	not in CTLLC scope of work
677	OBG	OBG details, and reference drawings	inc	inc	
678	OBG	east saddle	N.I.C	inc	not in CTLLC scope of work
679	OBG	shear key	N.I.C	inc	not in CTLLC scope of work
680-689	OBG	OBG details, and reference drawings	inc	inc	
690	OBG	modular joint (note 7)	N.I.C	inc	not in CTLLC scope of work
691-721	OBG	OBG details, and reference drawings	inc	inc	
722	OBG	shear key & bearing	N.I.C	inc	not in CTLLC scope of work
723-727	OBG	OBG details, and reference drawings	inc	inc	
728-730		west cable anchorage layout, details	N.I.C	inc	
731-734	OBG	socket, rod, bearing block, bevelled washer, nut	N.I.C	inc	not in CTLLC scope of work
735-736	OBG	strand, socket, rod, bearing block, washer, nut	N.I.C	inc	not in CTLLC scope of work
737	OBG	east cable anchorage details	N.I.C	inc	not in CTLLC scope of work
738-741	OBG	suspension cable layouts	N.I.C	inc	not in CTLLC scope of work
742-748	OBG	suspender bracket details	inc	inc	
749,750	OBG	suspender rope, split collar, nuts	N.I.C	inc	not in CTLLC scope of work
751	OBG	suspender rope, split collar, nuts	N.I.C	inc	not in CTLLC scope of work
752	OBG	cable band, socket, shim packs & plates,	N.I.C	inc	not in CTLLC scope of work
753	OBG	suspender bracket details	inc	inc	
754	Tower	suspender at tower layout	inc	inc	reference only
755-757	Tower	suspender bearing assembly, and tower saddle	N.I.C	inc	not in CTLLC scope of work
758-764		cable and suspender details	N.I.C	inc	not in CTLLC scope of work
765-769	50	west deviation saddle housing details	inc	inc	
770,771		west jacking saddle details	N.I.C	inc	not in CTLLC scope of work
772,773	OBG	west jacking frame	inc	inc	
774-783	Tower	tower saddle details	N.I.C	inc	not in CTLLC scope of work
784-790D	OBG	east saddle & alternative saddle details	N.I.C	inc	not in CTLLC scope of work
786	OBG	grillage saddle bearing plate, MC330x47.3	inc	inc	
789	OBG	grillage saddle bearing plate, MC330x47.3	inc	inc	

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sheet No.	Bid Item No.	Description of work	CTLLC Scope	ABF Scope	Comments/Notes
790		elastomeric bearing, plate 10x580x500	N.I.C	inc	not in CTLLC scope of work
791,792	50	west deviation saddle housing	inc	inc	
793	50	west jacking saddle housing	inc	inc	
794-800	52	tower head details (above el.151.000m)	N.I.C	inc	not in CTLLC scope of work
801-804	52	tower saddle housing	N.I.C	inc	not in CTLLC scope of work
805,806	50	east saddle housing	inc	inc	
807,808	55	west cable shroud	N.I.C	inc	not in CTLLC scope of work
809	52	tower cable shroud	N.I.C	inc	not in CTLLC scope of work
810,811		east cable shroud	N.I.C	inc	not in CTLLC scope of work
812-815		cable handrope	N.I.C	inc	not in CTLLC scope of work
816-840	57	bikepath framing details, and reference drawings	inc	inc	
819-824	57	railing posts, and backing rods for silicone seals	N.I.C	inc	not in CTLLC scope of work
825,828,829	57	elastomeric pad	N.I.C	inc	not in CTLLC scope of work
827	57	railing posts and polyester concrete overlay	N.I.C	inc	not in CTLLC scope of work
832-835	57	elastomeric pad	N.I.C	inc	not in CTLLC scope of work
836	57	elastomeric pad	N.I.C	inc	not in CTLLC scope of work
838	57	elastomeric pad	N.I.C	inc	not in CTLLC scope of work
841-848		hinge K details	N.I.C	inc	for reference only
849-860		hinge A pipe beams	N.I.C	inc	for reference only
861-864		hinge K & A expansion joint details	N.I.C	inc	for reference only
865-872		seismic joint details (hinge A)	N.I.C	inc	for reference only
872	55	studs in OBG	inc	inc	
873-875	102	wind vortex shop welded and clamping plates	inc	inc	excluding plexiglass plates
876,877	55	deck drip plates	inc	inc	
878	85	drainage details	N.I.C	inc	not in CTLLC scope of work
879-881	52	drainage details	N.I.C	inc	not in CTLLC scope of work
882-883	55	pier E2 bearing levelling plates	N.I.C	inc	not in CTLLC scope of work
884-886	55	pier E2 bearing details	N.I.C	inc	not in CTLLC scope of work
887,888	55	pier E2 shear key details	N.I.C	inc	not in CTLLC scope of work
889-894	85	barrier details	inc	inc	
895-898		railing layouts, and details	N.I.C	inc	not in CTLLC scope of work
897	55	emergency access platforms and railing	N.I.C	inc	not in CTLLC scope of work

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sheet No.	Bid Item No.	Description of work	CTLLC Scope	ABF Scope	Comments/Notes
899,900	55	plate 13 railing support, and plate 22 base plate	inc	inc	co-ordination/location by others
901-903	55	railing baseplate details	N.I.C	inc	not in CTLLC scope of work
904,905	55	luminaire base plates	N.I.C	inc	not in CTLLC scope of work
906	55	stiffener extension plate 12mm	inc	inc	
907	55	L152x89x9.5 mounting angle	inc	inc	
908	55	luminaire base plates	N.I.C	inc	not in CTLLC scope of work
909		pier W2 access details	N.I.C	inc	not in CTLLC scope of work
910-914		west anchorage access details	N.I.C	inc	not in CTLLC scope of work
915,916		pier E2 access details	N.I.C	inc	not in CTLLC scope of work
917-938	52	tower access between EL.3.000m & EL.1.51.000m	inc	inc	
929-932	52	boom at top of tower	N.I.C	inc	not in CTLLC scope of work
939,940	52	tower elevator support details	N.I.C	inc	not in CTLLC scope of work
941,942	55	railing on crossbeam and OBG deck	N.I.C	inc	not in CTLLC scope of work
943	55	strand, bearings, shear key, saddle	N.I.C	inc	not in CTLLC scope of work
944-947	55	girder access reference details	inc	inc	
948	57	girder access reference details	inc	inc	
949-951	55	girder access reference details	inc	inc	
952-956		girder access reference details	inc	inc	
957-959	55	crossbeam maintenance traveller rail & railing	N.I.C	inc	not in CTLLC scope of work
960,961	52	dehumidification support framing	N.I.C	inc	not in CTLLC scope of work
962,963		dehumidification support framing	N.I.C	inc	not in CTLLC scope of work
964	55	miscellaneous dehumidification support details	inc	inc	co-ordination/location by others
965	52	utility support frames (internal)	N.I.C	inc	not in CTLLC scope of work
966	57	utility conduit, sleeves, tower discharge pipe	N.I.C	inc	not in CTLLC scope of work
967-988		utility details and penetrations	N.I.C	inc	not in CTLLC scope of work
		construction details			
989-1005		fender details	N.I.C	inc	not in CTLLC scope of work
1006-1037		traveler reference drawings	N.I.C	inc	not in CTLLC scope of work
1038-1119		traveler details	N.I.C	inc	not in CTLLC scope of work
1120-1133	101	traveler rail details	inc	inc	
1134-1144		traveler details	N.I.C	inc	not in CTLLC scope of work
1145-1152		traveler details	N.I.C	inc	not in CTLLC scope of work
1153-1158		traveler rail details	inc	inc	

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sheet No.	Bid Item No.	Description of work	CTLLC Scope	ABF Scope	Comments/Notes
1159-1163	Bikepath	traveler details	N.I.C	inc	not in CTLLC scope of work
1164-1204		test boring logs			

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10-Jun-2008
(Sent via e-mail and US Mail)

ABF-CDT-LTR-000206

Mr. Walter Gatti
Candraft-Tensor LLC
2060 South Patrick Drive,
Indian Harbor Beach, FL 32937, USA

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

SUBJECT: ENGINEERING SERVICES AGREEMENT NO. 660110-ESA-007
EAST END DETAILING SERVICES

Gentlemen:

As discussed in our meeting of Thursday, June 05, 2008 both with the Department, as well as separately between the parties, effective June 10, 2008, Candraft-Tensor LLC (CTLCC) is directed to continue performing the remaining detailing Services for the "East End" of the Project, specifically those associated with Lifts 12 through 14 of the Orthotropic Bridge Girder (OBG), based upon the direction provided below.

It is understood that CTLCC shall immediately increase the staff currently performing the detailing services on the "East End" of the Project, specifically Lifts 12 through 14 of the OBG from its current number, to a total twenty-seven (27) detailers working towards the completion of the Segment Assembly Drawings.

This "Notice to Proceed" is clarified as follows:

1. CTLCC shall provide American Bridge / Fluor Enterprises Inc., A Joint Venture (ABFJV) on a weekly basis, the name of the 27 detailers assigned to this project, the number of hours worked, a description of the services provided by each, a schedule of work to be performed and the scheduled completion date for the Services described in item three below.
2. For the work performed by the 27 detailers, CTLCC shall be compensated the all-in rate of Ninety U.S. dollars (\$90.00) per hour for each and every hour worked, including overtime hours.
3. It is understood that in order to establish the final OBG weights to determine cable profile the completion date for all outstanding detailing work for Lifts 12 - 14 through Segment Assembly (SEG) stage is December 31, 2008.
4. It is understood by the parties that, in order to meet the December 31, 2008 submission date for the last of these East End Segment Assembly Drawings, these 27 detailers will average 50 hours each per week, effectively immediately.
5. Jointly, ABFJV and CTLCC shall agree on a close-out schedule for the completion of all remaining outstanding CTLCC detailing Work after this stage of completion is reached.

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6. CTLLC shall submit each East End Segment Drawing, to ABFJV, immediately upon completion. It is understood by the parties that a full and complete set of the East End Segment Assembly Drawings shall be delivered by CTLLC to ABFJV on or before December 31, 2008.
7. ABFJV understands that the December 31, 2008 completion date is not inclusive of future Department changes.
8. The processing of Requests for Information (RFI) will remain as currently being performed, with the potential notable exception that CTLLC may, when provided direction to do so by ABFJV, copy the Department on the e-mail submitting RFI's to ABFJV.
9. CTLLC shall provide the current completion status of all Contract Work performed to date as well as all directed Change Work associated with the East End Services. ABFJV requests that this information be provided before June 20, 2008.

Should you have any questions relating to the matters discussed herein, please feel free to contact us.

Sincerely,

AMERICAN BRIDGE/FLUOR ENTERPRISES, INC. A JOINT VENTURE



Brian A. Petersen
Operations Manager

Cc: John Cooper – CTLLC
Matt Morrison - CTLLC

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