

**PUBLIC BUILDING COMMISSION OF CHICAGO
THIRD AMENDMENT
CONTRACT NUMBER PS 1028**

THIS THIRD AMENDMENT AGREEMENT is made and entered into as of the 18th day of February, 2009, and is part of the contract for Owner's Representative Services ("Agreement") between by and between the **PUBLIC BUILDING COMMISSION OF CHICAGO**, a municipal corporation of the State of Illinois ("Commission") and **BRADSHAW CONSTRUCTION & MANAGEMENT, INC.**, ("Owner's Representative") dated October 2, 2006 with the like operation and effect as if the same were incorporated therein.

WITNESS:

WHEREAS, the Commission and Owner's Representative have previously entered into an Contract dated the 6th day of October, 2006, ("Agreement"), wherein the Owner's Representative is to provide Owner's Representative services for the 7th District Police Station; and

WHEREAS, the Commission and Owner's Representative now desire to amend the Agreement to include additional services to the Scope of Services;

NOW THEREFORE, in consideration of the provisions and conditions set forth in the Agreement and this amendment, the parties mutually agree to amend the Agreement as here after stated.

It is agreed by and between the parties hereto that the sole modification of, changes in, and amendments to the Agreement pursuant to this Amendment are as follows:

TERMS

1. **Recitals**
THE ABOVE RECITALS ARE EXPRESSLY INCORPORATED IN AND MADE A PART OF THE AMENDMENT AGREEMENT AS THOUGH FULLY SET FORTH HEREIN.
2. **Schedule A**

Scope of Services A. 2 – Additional Services is revised to add the following services:

- A.2.4. The Owner's Representative shall provide the following services:
1. Extended full time field representation services throughout the duration of Construction;
 2. Additional Construction Management and Supervision Services;
 3. Quality Assurance Oversight;
 4. Additional Commissioning and Material Testing & Inspection Services

5. Additional Scheduling Analysis.

Proposal detailing the scope of work covered by this amendment is attached as **Attachment A**.

3. Schedule C - Compensation of the Owner's Representative

Section C.1 Owner's Representative Fee is revised to add the following:

C.1.3. The Owner's Representative shall be paid the amount of \$197,896.81 for the additional services outlined in Item 2 of this Amendment 3.

The Lump Sum Fee is increased to \$1,026,893.81.

Execution of this Amendment by the Owner's Representative is duly authorized by the Owner's Representative, and the signature(s) of each person signing on behalf of the Owner's Representative have been made with the complete and full authority to commit the Owner's Representative to all terms and conditions of this Amendment.

All capitalized terms not defined herein shall have the meaning ascribed to them in the Agreement. Except as and to the extent that the terms of the Agreement are amended and modified herein, all terms of the Agreement shall remain in force and effect.

IN WITNESS WHEREOF, the parties hereto have agreed and executed this Amendment Agreement No.3.

ATTEST:

PUBLIC BUILDING COMMISSION
OF CHICAGO

BY: Edgwick C. Johnson Date: 3/27/09
Edgwick C. Johnson
Secretary

BY: Richard M. Daley Date: _____
Richard M. Daley
Chairman

OWNER'S REPRESENTATIVE

Bradshaw Construction & Management, Inc.

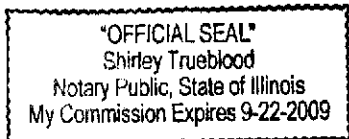
By: John Bradshaw Date: March 2nd 2009
John Bradshaw
President

Subscribed and sworn to me this

2nd day of March 2009.
Shirley Trueblood
Notary Public

My Commission expires: 9/22/2009

(Seal of Notary)



Attachment A
Amendment 3
PS1028

BRADSHAW

Construction & Management, Inc.

January 6, 2009

Mr. Ray Giderof
Public Building Commission of Chicago
Richard J. Daiey Center
50 West Washington Street, Room 200
Chicago, IL 60602

Via Email & Overnight Mail

Re: Owner's Representative Time Extension & Additional Services Request

Mr. Giderof,

In response to the revised project substantial completion date of December 1st 2008 for Public Building Commission (PBC) Project, New Police Station PD-007 located at 1400 W. 63rd Street, we require our Owner's Representative Professional Services Agreement, Contract Number PS1028, be amended to cover our additional monthly staffing costs, additional services performed by our independent testing laboratory (ECS Illinois) and additional services to be performed by the building commissioning agent (Ecube). Our fees for the additional required professional services described above are as follows:

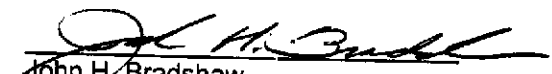
Professional Services Time Extension & Additional Subconsultant Services

Bradshaw Construction & Management, Inc. (Project Management)	\$ 31,170.00
R.M. Chin & Associates, Inc. (Project Executive).....	\$ 139,470.00
ECS Illinois, LLC (Independent Testing Laboratory).....	\$ 13,593.91
E Cube (Commissioning Agent)	\$ 13,662.90
Total Fees for Amendment	\$ 197,896.81

If you have any questions, please do not hesitate to contact us.

Sincerely,

Bradshaw Construction & Management, Inc.


John H. Bradshaw
President

PBCC OWNER'S REPRESENTATIVE SERVICES
7th District Police Station

Bradshaw Construction & Management Remaining Hours for Phase II Construction as Amended by Time Extension No. 1

Name	Position	Billable 2008	Phase II - Time Extension No. 1			Closeout			Hours	Total Fee
			Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08		
D. Cisneros	Proj. Mgr.	\$ 85.00	173	0	0	173	173	173	692	\$ 58,820
	Admin.	\$ 44.00	24	0	0	20	20	20	84	\$ 3,696
TOTAL FEE										\$ 62,516

Bradshaw Construction & Management Additional Hours for Phase II Construction to be Amended as Time Extension No. 2

Name	Position	Billable 2008	Phase II - Time Extension No. 1			Phase II Time Ext. No. 2			Closeout		Total Fee
			Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-08	Feb-08	
D. Cisneros	Proj. Mgr.	\$ 85.00	173	0	0	173	173	173	173	173	\$ 88,230
	Admin.	\$ 44.00	24	0	0	20	20	20	20	20	\$ 5,456
TOTAL FEE										\$ 93,686	

BCM Project Manager Hours per Time Extension Requests \$ 93,686
 BCM Remaining Project Manager Hours from Time Extension No. 1 \$ (62,516)
 BCM Total Fee for Amendment as Time Extension No. 2 \$ 31,170



R.M. CHIN & ASSOCIATES, INC.

Structured for Success...Delivering Construction and Real Estate Services

500 West 18th Street
Suite 200
Chicago, Illinois 60616

phone: 312-595-2000
fax: 312-644-0999
www.rmchin.com

August 29, 2008
Revised October 10, 2008
Revised December 29, 2008

Mr. John H. Bradshaw
Bradshaw Construction & Management, Inc.
19950 Governors Highway, Suite 200
Olympia Fields, IL 60461

Via E-Mail

RE: 7th District Police Station
"RMCA Additional Service Proposal"
(PBCC/7thdps/110.3)

John,

The Public Building Commission of Chicago has requested that as of October 1, 2008, I be full time on the project. In addition the Substantial Completion date has been revised to December 1, 2008, punch list was issued on December 20, 2008 and spring equipment start-up required for final acceptance, therefore adding approximately four months to the project schedule.

R.M. Chin & Associates, Inc. is pleased to submit this Additional Service Proposal in the amount of \$139,470.00 (see attached spread sheet) to incorporate the above into our agreement with Bradshaw Construction Management, Inc. (BMCI).

RMCA would like to thank BMCI for the opportunity to be of service, and we look forward to continue working with you on this project.

Please sign on the indicated line giving your authorization, and return a copy to this office for our records. In addition, please forward a copy of the additional service agreement between BMCI and PBC so RMCA can invoice accordingly.

Authorized: _____

Date: _____

Please note that RMCA has proceeded with the additional services in good faith, so your immediate attention on receiving approval from the PBC is greatly appreciated. Should you have any questions or require any further information, please do not hesitate to contact me.

Sincerely,

R.M. Chin & Associates, Inc.

Michael J. Witte
Senior Vice President

cc: Ray Giderof (PBC), file l:/projects/pbcc/7th/mike/100.3/jb8290808

FEE PROPOSAL

29-Dec-08

PBCC OWNER'S REPRESENTATIVE SERVICES
7th District Police Station

Substantial Completion Revised to December 1, 2008 and Mike Witte Full Time

R.M. Chin & Associates, Inc. (MBE)

Name	Position	Billable	Construction					Close-out					Subtl	2008 Fee	Total Fee
			Sep-08	Oct-08	Nov-08	Dec-08	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08			
Mike Witte	Project Executive	\$150.00	96	184	160	88	88	88	173	877	\$131,550		\$131,550		
	Admin. Assist.	\$44.00	20	40	40	20	20	20	20	180	\$7,920		\$7,920		
TOTAL FEE			116	224	200	108	108	108	193	1057	\$139,470		\$139,470		

- Notes:
- 1.) Construction Additional Cost - Substantial Completion Date revised from 9/8/08 to 12/1/08, punch list issued 12/20/08 and spring equipment start-up adding approximately 4 months and Mike Witte Full Time.
 - 2.) Close-out Additional Costs - Mike Witte Full Time.



ECS ILLINOIS, LLC
 Geotechnical • Construction Materials • Environmental

December 30, 2008

Mr. John E. Bradshaw, Sr.
 Bradshaw Construction & Management Inc.
 19950 Governors Highway
 Suite 200
 Olympia Fields, Illinois 60461

ECS Job No. 16:6640/6640-A

Reference: Construction Testing Services Change Request, Chicago Police Department-7th
 District Station Project, 1438 West 63rd Street, Chicago, Illinois

Dear Mr. Bradshaw:

As requested, ECS Illinois, LLC is pleased to provide the summary of additional costs (attached herein) for our construction monitoring services at the above referenced project site. The attached spreadsheets document when services were rendered on the various work scopes. Our original approved budget was \$53,994 for testing services, plus \$7,000 to perform curtain wall water testing. The curtain wall water testing has not yet been performed, and therefore no additional costs are anticipated at this time. We have incurred additional costs above our original budget estimate due to the additional time, and the following items not considered part of the original scope of work; weather related cancellations, undercuts/fills related to poor soil conditions, additional services related to Bishop Street and a sewer video survey. The costs are summarized below:

Original Scope	\$53,994.00	
Changes		
Additional Time	\$637.75	
Weather	\$3,288.00	
Undercut/fill	\$24,520.00	
Bishop/Sidewalk	\$7,855.53	
Sewer Video	\$1,536.00	
Total Change Requested	\$37,837.28	+ \$7,000.00 for curtain wall testing

Please forward this request on to the PBCC for a formal contract amendment.

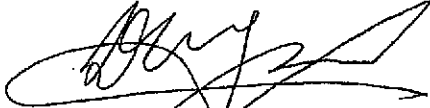
JB
1/5/09

Chicago Police Department – 7th District Station
December 30, 2008
Page 2 of 2

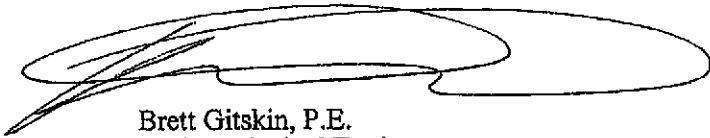
We appreciate the opportunity to offer our services, and we look forward to continue working with you on the project.

Respectfully,

ECS ILLINOIS, LLC



Danilo A. Guevarra
Senior Project Engineer



Brett Gitskin, P.E.
Senior Principal Engineer

Enclosure: Spreadsheets

Cc: R.M. Chin & Associates - Mr. Michael J. Witte

E:\field services\projects\6000-6999\6640 Chi Police Sta\6640 Chi Police Sta 7th Dist Project final change request.doc

**PD-007 Phase II ITL SERVICES
Cost Breakdown for Construction Testing Services Performed**

Summary TASK	Orig. Scope	No Fault	Undercut/Fill	Additional	Extra Owner
	PBC	PBC	PBC	Scope (Bishop) PBC	Directed Work PBC
Concrete	\$ 16,504.75	\$ 428.00	\$ -	\$ 6,877.53	\$ -
Asphalt Paving	\$ 744.00	\$ -	\$ -	\$ -	\$ -
Soils	\$ 17,424.00	\$ 2,860.00	\$ 22,990.00	\$ 578.00	\$ -
Reinforcing Steel	\$ 2,420.00	\$ -	\$ -	\$ -	\$ -
Fireproofing	\$ 2,860.00	\$ -	\$ -	\$ -	\$ -
Masonry	\$ 5,610.00	\$ -	\$ -	\$ -	\$ -
Structural Steel	\$ 3,774.00	\$ -	\$ -	\$ -	\$ -
Level I Tech O/T	\$ 780.00	\$ -	\$ 130.00	\$ -	\$ -
Level II Tech O/T	\$ 1,155.00	\$ -	\$ 1,400.00	\$ -	\$ -
Cylinder Pickups	\$ 3,360.00	\$ -	\$ -	\$ 400.00	\$ -
Sewer Inspection	\$ -	\$ -	\$ -	\$ -	\$ 1,536.00
TOTALS	\$ 54,631.75	\$ 3,288.00	\$ 24,520.00	\$ 7,855.53	\$ 1,536.00
GRAND TOTAL	\$ 91,831.28				

Revised by ECS 12/30/8

Prepared by PBC Owner's Representative
Bradshaw Construction Management, Inc.

Task	Date	Report No.	Original Scope	Cancellation (No Fault)	Undercut/Fill	Bishop/Sidewalks (No Testing Inc'd)
Concrete	08/22/2007	14	214	0	0	0
	08/24/2007	15	642	0	0	0
	08/31/2007	18	642	0	0	0
	08/29/2007	19	321	0	0	0
	09/06/2007	22	428	0	0	0
	09/14/2007	24	428	0	0	0
	09/18/2007	28	428	0	0	0
	09/25/2007	33	642	0	0	0
	10/26/2007	43	1096.75	0	0	0
	11/19/2007	52	561.75	0	0	0
	12/14/2007	72	1096.75	0	0	0
	12/19/2007	74	535	0	0	0
	12/20/2007	77	1096.75	0	0	0
	12/28/2007	80	642	0	0	0
	01/03/2008	83	0	428	0	0
	01/04/2008	86	1096.75	0	0	0
	02/21/2008	110	1070	0	0	0
	02/28/2008	114	642	0	0	0
	03/07/2008	117	642	0	0	0
	03/11/2008	119	1070	0	0	0
	03/18/2008	122	1070	0	0	0
	06/05/2008	156	1070	0	0	0
	06/06/2008	159	0	0	0	529
	06/10/2008	162	0	0	0	846.4
	08/06/2008	184	0	0	0	423.2
	08/07/2008	185	0	0	0	1058
	08/13/2008	186	0	0	0	846.4
	08/15/2008	189	0	0	0	423.2
	08/18/2008	191	0	0	0	846.4
	08/25/2008	195	0	0	0	423.2
	08/28/2008	197	0	0	0	846.4
	09/02/2008	199	0	0	0	0
	09/05/2008	202	642	0	0	0
	09/08/2008	204	428	0	0	0
Concrete		TOTAL	16504.75	428	0	6877
Asphalt Paving	09/03/2008	201	744	0	0	0
Asphalt Paving		TOTAL	744	0	0	0

Task	Date	Report No.	Original Scope	Cancellation (No Fault)	Undercut/Fill	Bishop/Sidewalks (No Testing Inc'd)
Soils (Bearing Density, Earthwork)	05/29/2007	1	\$ -	0	0	0
	06/05/2007	2	\$ -	0	0	0
	07/24/2007	7	\$ -	0	660	0
	07/25/2007	8	\$ 363	0	660	0
	08/01/2007	9	\$ -	0	660	0
	08/03/2007	10	\$ -	0	1127.5	0
	08/06/2007	11	\$ -	0	1127.5	0
	08/15/2007	12	\$ -	0	660	0
	08/22/2007	14	\$ -	0	330	0
	08/29/2007	19	\$ -	0	330	0
	09/26/2007	31	\$ -	0	880	0
	09/27/2007	32	\$ -	0	1127.5	0
	09/28/2007	34	\$ -	0	1127.5	0
	10/01/2007	35	\$ -	0	1127.5	0
	10/02/2007	36	\$ -	0	1127.5	0
	10/03/2007	37	\$ -	0	1127.5	0
	10/04/2007	38	\$ -	0	1127.5	0
	10/05/2007	39	\$ -	0	1100	0
	10/31/2007	46	\$ -	0	1127.5	0
	11/01/2007	47	\$ -	0	1127.5	0
	11/02/2007	48	\$ -	0	1127.5	0
	11/16/2007	49	\$ -	0	1127.5	0
	11/19/2007	52	\$ -	0	550	0
	12/04/2007	60	\$ 1,240	0	1127.5	0
	12/05/2007	61	\$ 635	0	880	0
	12/06/2007	63	\$ -	0	550	0
	12/07/2007	65	\$ -	0	550	0
	12/12/2007	69	\$ 605	0	550	0
	12/19/2007	74	\$ 968	0	0	0
	01/08/2008	88	\$ 363	440	0	0
	01/10/2008	90	\$ 968	0	0	0
	01/09/2008	91	\$ 605	440	0	0
	01/14/2008	93	\$ 1,210	0	0	0
	01/15/2008	94	\$ 484	660	0	0
	01/17/2008	96	\$ 242	0	0	0
	02/06/2008	103	\$ 726	0	0	0
	05/07/2008	146	\$ 484	0	0	0
	06/05/2008	158	\$ 726	0	0	0
	06/09/2008	161	\$ 484	0	0	0
	06/12/2008	165	\$ 484	0	0	0
	06/20/2008	169	\$ 484	0	0	0
	06/25/2008	172	\$ -	440	0	0
	06/26/2008	173	\$ 726	0	0	0
	07/17/2008	178	\$ 1,210	0	0	0
	07/23/2008	179	\$ 726	0	0	577.5
	07/25/2008	181	\$ 494	0	0	0
	08/04/2008	182	\$ 484	440	0	0
	08/05/2008	183	\$ -	440	0	0
	09/08/2008	204	\$ 2,400	0	0	0
Soils (Bearing Density, Earthwork)		TOTAL	\$ 17,424	\$ 2,860	\$ 22,990	\$ 578

Task	Date	Report No.	Original Scope	Cancellation (No Fault)	Undercut/Fill	Bishop/Sidewalks (No Testing Inc'd)	
Reinforcing Steel & Formwork	08/22/2007	13	660	0	0	0	
	12/11/2007	66	0	0	0	0	
	12/11/2007	67	660	0	0	0	
	12/27/2007	81	440	0	0	0	
	02/12/2008	105	660	0	0	0	
TOTAL			\$ 2,420	\$ -	\$ -	\$ -	
Reinforcing Steel & Formwork							
Fireproofing	03/21/2008	126	440	0	0	0	
	03/27/2008	131	660	0	0	0	
	04/07/2008	134	660	0	0	0	
	06/23/2008	170	660	0	0	0	
	08/20/2008	193	440	0	0	0	
	TOTAL			\$ 2,860	\$ -	\$ -	\$ -
	Fireproofing						
	Masonry	01/10/2008	90	550	0	0	0
		01/17/2008	96	330	0	0	0
		01/29/2008	100	660	0	0	0
02/06/2008		103	550	0	0	0	
02/22/2008		111	440	0	0	0	
03/07/2008		117	220	0	0	0	
03/21/2008		128	880	0	0	0	
04/11/2008		136	220	0	0	0	
04/30/2008		140	550	0	0	0	
06/06/2008		159	220	0	0	0	
07/23/2008	179	550	0	0	0		
08/15/2008	189	440	0	0	0		
TOTAL			\$ 5,610	\$ -	\$ -	\$ -	
Masonry							
Structural Steel	11/16/2007	50	0	0	0	0	
	01/10/2008	89	408	0	0	0	
	02/27/2008	112	1122	0	0	0	
	03/19/2008	123	612	0	0	0	
	04/15/2008	135	612	0	0	0	
	05/31/2008 (OT-Sat)	151	612	0	0	0	
	06/23/2008	171	408	0	0	0	
TOTAL			\$ 3,774	\$ -	\$ -	\$ -	
Structural Steel							
Level I Technician OT	01/04/2008	0	0	0	0	0	
	09-027-08	208	780	0	0	0	
TOTAL			\$ 780	\$ -	\$ 130	\$ -	
Level I Technician OT							
Level II Technician OT	06/06/2007	0	0	0	0	0	
	08/03/2007	0	0	0	0	0	
	09/27/2007	0	0	0	0	0	
	10/06/2007	40	735	0	0	0	
	11/01/2007	0	0	0	0	0	
	11/02/2007	0	0	0	0	0	
	11/16/2007	0	0	0	0	0	
	12/13/2007	0	70	0	0	0	
	06/09/2008	161	360	0	0	0	
	TOTAL			\$ 1,155	\$ -	\$ 1,400	\$ -
Level II Technician OT							

Task	Date	Report No.	Original Scope	Cancellation (No Fault)	Undercut/Fill	Bishop/Sidewalks (No Testing Inc'd)
Cylinder Pick Ups	08/27/2007	16	80	0	0	0
	08/30/2007	17	80	0	0	0
	09/04/2007	20	80	0	0	0
	09/07/2007	21	80	0	0	0
	09/17/2007	25	80	0	0	0
	09/19/2007	26	80	0	0	0
	09/30/2007	30	80	0	0	0
	10/10/2007	42	80	0	0	0
	10/29/2007	44	80	0	0	0
	11/20/2007	53	80	0	0	0
	11/30/2007	56	80	0	0	0
	12/12/2007	68	80	0	0	0
	12/14/2007	71	80	0	0	0
	12/17/2007	73	80	0	0	0
	12/20/2007	76	80	0	0	0
	12/21/2007	78	80	0	0	0
	12/31/2007	84	80	0	0	0
	01/07/2008	87	80	0	0	0
	01/16/2008	95	80	0	0	0
	01/22/2008	97	80	0	0	0
	01/31/2008	101	80	0	0	0
	02/14/2008	106	80	0	0	0
	02/27/2008	113	80	0	0	0
	02/29/2008	115	80	0	0	0
	03/10/2008	118	80	0	0	0
	03/13/2008	120	80	0	0	0
	03/20/2008	125	80	0	0	0
	03/25/2008	129	80	0	0	0
	03/28/2008	132	80	0	0	0
	04/22/2008	137	80	0	0	0
	04/24/2008	139	80	0	0	0
	05/01/2008	141	80	0	0	0
	05/05/2008	143	80	0	0	0
	06/06/2008	157	80	0	0	0
	06/09/2008	160	80	0	0	0
	06/12/2008	164	80	0	0	0
	07/25/2008	180	80	0	0	0
	08/08/2008	185	80	0	0	0
	08/19/2008	190	80	0	0	0
	08/19/2008	192	80	0	0	0
	08/26/2008	198	80	0	0	0
	08/29/2008	198	80	0	0	0
	09/04/2008	200	80	0	0	0
	09/04/2008	203	80	0	0	0
	09/04/2008	205	80	0	0	0
	09/04/2008	207	80	0	0	0
	09/04/2008	209	80	0	0	0
Cylinder Pick Ups	09/04/2008	TOTAL	\$ 3,680	\$ -	\$ -	\$ 400
Grand Total			\$ 54,631	\$ 3,288	\$ 24,520	\$ 7,855

COST ESTIMATES

Construction Materials Testing

The anticipated costs outlined below reflect what we feel should be required to provide the services as outlined in our scope of work. We have assumed a Full Time presence on site during the foundation preparation and construction phase, with a Part Time presence thereafter. Should schedules or required services be altered, we will gladly provide you with an updated estimate. Services will be rendered only at the request of Bradshaw Construction and Management or their designee. Bradshaw Construction and Management will be notified should such requests exceed our proposed estimates.

Estimate Total Cost
Chicago Police Department, 7th District Station
Chicago, Illinois

<u>Activity (from schedule)</u>	<u>Hours</u>	<u>Rate</u>	<u>Cost</u>
Concrete	120	\$72.00	\$8,640.00
Asphalt Paving	24	\$72.00	\$1,728.00
Soils (Bearing, Density, Earthwork)	160	\$82.00	\$13,120.00
Reinforcing Steel and Formwork	32	\$82.00	\$2,624.00
Fireproofing	32	\$82.00	\$2,624.00
Masonry	80	\$82.00	\$6,560.00
Structural Steel	40	\$82.00	\$3,280.00
Level I Technician OT	16	\$94.00	\$1,504.00
Level II Technician OT	12	\$107.00	\$1,284.00
Nuclear Density Gauge	20	\$35.00	\$700.00
Mileage (trips)	80	\$40.00	\$3,200.00
		Sub Total:	\$45,264.00
<u>Engineering & Support</u>			
Project Engineer	25	\$95.00	\$2,375.00
Principal Engineer	12	\$150.00	\$1,800.00
Secretary	20	\$48.00	\$960.00
		Sub Total:	\$5,135.00
<u>Laboratory Testing</u>			
Grout Prisms (ASTM C1019)	27	\$20.00	\$540.00
Mortar Cylinders	27	\$15.00	\$405.00
Concrete Cylinders	160	\$12.50	\$2,000.00
Proctor (ASTM D-1557)	2	\$175.00	\$350.00
Fireproofing Density and Cohesive Tests	10	\$30.00	\$300.00
Cylinder Pickup	40	\$80.00	\$3,200.00
		Sub Total:	\$3,595.00
		Total Estimated Cost	\$53,994.00

Curtain Wall Testing

Testing of the Curtain Wall system appears to be needed for this project. However the project drawings or specifications do not indicate a frequency of the required testing. As such, the following are the unit costs associated with testing of *one bay* of the Curtain Wall system for this project.

ECS Illinois, LLC shall provide field testing services as defined herein in accordance with the following fee schedule:

Air Infiltration and Water Penetration (Chamber) Testing of one bay of Curtain Wall:	\$4,500.00
Water Spray Testing of one bay of Curtain Wall:	\$1,750.00
Final Report:	<u>\$750.00</u>
Total:	\$7,000.00

The Fixed Fee listed above for the three field tests described herein is anticipated to require up to four days to complete. Reimbursable expenses are not included in the field testing fees and shall be defined as expenses specifically incurred in the course of providing field testing services for this project and shall include the following:

- a. Independent Licensed Structural Engineering services;
- b. Independent laboratory fees, services and/or expenses;
- c. Equipment rental services.

Water supply within 250 lf of each test area and with a minimum pressure of 50 psi at end of hose length will be needed. ECS will provide 250 lf of ¾ inch diameter flexible hose to facilitate water flow from source to test apparatus. In addition, a power supply, 120 VAC, within 100 lf of the test specimen at each test area will also be needed. It is understood that access to the test locations will be provided to ECS by others. ECS requests all specified test certifications, manufacturers technical documentation, project approved shop drawings for all materials, components, assemblies and systems in accordance with the Specifications. All services shall be performed during normal week day working hours.

The estimated cost for Construction Materials Testing services as noted is \$53,994.00. The estimated cost for Curtain Wall Testing services as noted is \$7,000.00, for a Total Project Estimate of Cost of **60,994.00**. It is important to note that this figure was determined through careful consideration of the scope of services required and the rate of progress expected at this time. Because we are unable to control the actual rate of progress, we would only consider this estimate a not-to-exceed amount contingent upon strict adherence to the schedule duration's and scope of services used as a basis in this proposal. You will only be invoiced for the units utilized.

E Cube, Inc.

Energy • Efficiency • Environment • Technical Consulting

December 23, 2008

Mr. Domingo Cisneros
Project Manager
Bradshaw Construction Management
19950 Governors Hwy., Suite 200
Olympia Fields, IL 60461

Re: PBC District 7 Police Station – Contractor Assistance Change Order Request Proposal

Dear Mr. Cisneros,

Per your recent discussions with Mandeep Singh of our firm, this letter presents our request for reimbursement for additional services we have provided to date and expect to provide Castle Construction and the PBC prior to project completion.

Per our original contract, E-Cube was to conduct regular commissioning meetings to discuss the status of the commissioning process with the team. As you know, for the last several months, we have been attending lengthy weekly “commissioning” meetings averaging 2-3 hours long in which most of our time has been spent helping coordinate equipment startup schedules, test and balance schedules, resolving subcontractor coordination issues, etc., all of which are clearly the responsibility of Castle Construction. Additionally, we have been supporting PBC and RM Chin staff as well as the subcontractors with the same efforts, all of which goes above and beyond our original commissioning services budget. Due to this extensive amount of additional time we have spent, we have prepared the following report of our hours budgeted, used and estimates for completion of our additional services.

Original proposed budget (per our approved 5/17/04 and 2/2/07 Cx proposals):

- Commissioning meetings (Billing Taskcode 3) = 28.5 hours
This is time budgeted to prepare for and attend regular commissioning meetings and prepare meeting minutes. Meeting frequency was estimated at approximately once per month in the early stages of the project and twice per month in the later stages (i.e. beginning about a month prior to equipment startup).
- Client communication/coordination/meetings (Billing Taskcode 7) = 18 hours
This is time budgeted to prepare for and attend client meetings on a limited, as-needed basis and assist the client with commissioning-related coordination, issues, questions, etc.
- Contractor communication/coordination/meetings (Billing Taskcode 8) = 16 hours
This is time budgeted to prepare for and attend contractor meetings on a limited, as-needed basis and assist the contractors with commissioning-related coordination, issues, questions, etc.

Total Budget = 62.5 hours

Total time spent to date:

- Commissioning meetings = 55.5 hours
This value accounts for the total amount of time spent on commissioning meetings, which includes assisting Castle Construction with extensive MEP coordination discussions, planning and scheduling. This value also includes the fact PBC

requested that these commissioning/coordination meetings occur weekly, rather than twice per month as we had originally planned. We believe PBC determined that weekly meetings were necessary in order to adequately assist Castle Construction in planning, scheduling and coordinating their MEP subcontractors' work.

- Client communication/coordination/meetings = 24.5 hours

This value accounts for the total amount of time spent in assisting PBC, Bradshaw and RM Chin representatives with coordinating project schedule, sub-contractor work, sub-contractor issue resolution, and assistance with the commissioning process, etc.

- Contractor communication/coordination/meetings = 43.75 hours

This value accounts for the total amount of time spent in assisting Castle Construction and their subcontractors project schedule, sub-contractor work, sub-contractor issue resolution, and assistance with the commissioning process.

- Additional time expediting project (Billing Taskcode 51) = 36 hours

This time includes additional Cx meetings, MEP coordination and client support work. Note that this billing taskcode was added once the original budgets were exceeded for the above taskcodes. This was E-Cube's method of tracking additional time spent on this project.

Total = 159.75 hours

Hours spent over original proposed budget = 159.75 – 62.5 = 97.75 hours

Time expected to spend before project completion:

(2 staff members at each weekly Cx meeting) x (average 1.5 hours/meeting) x (5 weeks) = 15 hours

Meeting minutes development = 1 hour per meeting = 5 hours

Total = 20 hours

Grand total of additional hours spent/to be spent = 97.75 + 20 = 117.25 hours

Current average hourly rate = \$112.00/hr

Subtotal = \$13,132

Expenses (@2%) = \$263

Grand Total Reimbursement Fee = \$13,395

Please review this as soon as possible and let us know if you have any questions or concerns, as we'd like to be reimbursed as soon as possible. Thank you.

Sincerely,



Leonard Rozek
President

cc: Mandeep Singh, Mike Witte (RM Chin), John Bradshaw

451.1_Addtl_Services_122308.doc