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November 11, 2014

Mr. Vijay Mehta
Milwaukee County – DPW
2711 West Wells Street
Milwaukee, Wisconsin 53208

Subject: GMIA HVAC System Retro Commissioning Implementation Phase
Milwaukee County No. A186-14443

Dear Vijay:

This letter is a request for an amendment to our current contract for additional services performed during the design and construction document phase of the project.

The additional work includes the following:

- During the design and field survey for FIM 5 – Main Terminal Mezzanine Air Handling Unit Common Outside Air Duct Replacement, it was found that due to the extreme congestion at the ceiling of the baggage area that more work was required than we had allowed for. The congestion consisted of fire protection piping, numerous electric conduits (many of which were installed during our audit to serve the new baggage handling equipment), chilled and hot water piping which interfered with duct routing and to maintain clearances above the new baggage handling equipment. To accomplish the work required close coordination between the Mechanical and Structural designs resulting in additional design, field and management time.
- An additional 26 Air Handling Units were incorporated into the project, in addition to the original number of units required in the Request For Proposal, as Alternative No. 1 work.
- Focus on Energy required that we transfer Facility Improvement Measure (FIM) calculation data from our original FOE forms (2013 version) onto their revised 2014 version forms and resubmit for their review.
- Additional meetings and schedule extension due to issues related to FOE personnel changes and new requirements imposed by FOE for 2014 submission of documentation.

This additional work results in a request for \$19,804 in additional compensation.



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The following is a break-down of the requested fees:

	GRAEF FEE	DBE FEE	REIMB. EXP.	AIR BALANCING	TOTAL FEE
Design Development	\$ 7,236				\$ 7,236
Construction Documents	<u>\$12,568</u>				<u>\$12,568</u>
Total	\$19,804				\$19,804

For further fee clarification please see attached Project Phase Fee Summary sheet.

Please note that in order to maintain this project on schedule we have performed the majority of the additional services work necessary to obtain contractor pricing prior to the end of this year.

With this amendment, the total maximum fee for the project would be increased to \$341,941. The DBE portion of this total fee remains \$69,300 or approximately 20% of the total contract amount.

We request that you please issue an amendment to the Phase 1 project contract in the amount shown above.

Sincerely,

Graef-USA Inc.

Steven D. Heaton, RD, CxA
Project Manager | Associate

Lori Rosenthal, PE
Principal

GMIA Retrocommissioning Implementation Phase Fee summary
 Through Additional Fee Request
 Project No. A108-09432

11/11/2014

	GRAEF FEE	DBE FEE	DBE %	DIRECT REIMBURSABLE EXPENSE	BASE PROJECT TOTAL	REIMBURSABLE COST	PHASE TOTAL
BASE PROJECT	\$110,554			\$1,000	\$111,554		\$111,554
Cervantes Engineering		\$37,000	25%		\$37,000		\$148,554
Amendment 1: Air Balancing, PSA						\$13,400	\$161,954
Amendment 2: Air Balancing, PSA						\$2,900	\$164,854
				Subtotal	\$148,554		
Amendment 2: Standards, GRAEF	\$5,880						\$170,734
Amendment 3: Schematic Design							
GRAEF	\$19,593			\$171	\$19,764		\$190,498
AA Anderson		\$2,000	8%		\$2,000		\$192,498
Cervantes Engineering		\$3,000	12%		\$3,000		\$195,498
				Subtotal	\$24,764		
Amendment 4: Implementation							
GRAEF	\$88,700			\$439	\$89,139		\$284,637
AA Anderson		\$4,000	3%		\$4,000		\$288,637
Cervantes Engineering		\$23,300	20%		\$23,300		\$311,937
Air Balancing, PSA						\$10,200	\$322,137
				Subtotal	\$116,439		
Additional Fee Request							
GRAEF	\$19,804				\$19,804		\$19,804
				BASE Project Total	\$309,561		\$341,941

GRAEF

Version 1.00

Project Title:

Client Name:

Prepared By:

Approved By:

QIMA PetriCommissioning Implementation Additional Services

Milwaukee County

Steve Heaton

Leif Rosenfield

**Summary Fee Estimate
Mechanical Services**

Date: 11-11-2014

3/19/2014

Phase Description	Total Hours	Labor Cost	DBE, AA Apprentices	DBE, Craftworkers, Fore	Memorandum Expenses	Total Cost
Design Development	60	\$ 7,226			\$	\$ 7,226
Construction Documents	97	\$ 12,558	\$	\$		\$ 12,558
Bidding & Negotiation	0	\$			\$	\$
FDE Verification & Performance	0	\$		\$	\$	\$
Construction Administration	0	\$			\$	\$
Total Fee of This Discipline	157	\$ 19,804	\$	\$	\$	\$ 19,804

COMMITMENT TO SUBCONTRACT WITH DBE FIRMS

PROJECT No.: A186-14443 PROJECT TITLE: GMIA Retrocommissioning Implementation (Amend. #4)

TOTAL CONTRACT AMOUNT (*) \$341,941.00

DBE Goal: 25% (*)

Subcontract Agreements with DBE firm(s) MUST be Submitted Within Ten (10) Days from Receipt of Notice to Proceed

A	V	Name of DBE(**) Firm(s)	Scope of Work Detailed Description	Subcontract Amount	% of Total Contract
		Andersen and Andersen Technical Services, LLC	Drafting	\$6,000.00	1.7%
		Cervantes Consulting Engineers LLC	Cost Estimating	\$63,300.00	18.5%

(If using more DBE firms, include them in separate notarized form)

Total \$ Amount of DBE \$ 69,300.00 Total 20.2%

I certify that these identified services and costs were quoted by the DBE firm(s). If awarded this contract, our firm Graef-USA Inc. intends to enter into subcontract agreements with the DBE firm(s) listed for the services specified. The information on this form is true and accurate to the best of my knowledge. I further understand that falsification, fraudulent statement or misrepresentation will result in appropriate sanctions under applicable Local, State or Federal laws.

[Signature]
Signature of Authorized Representative

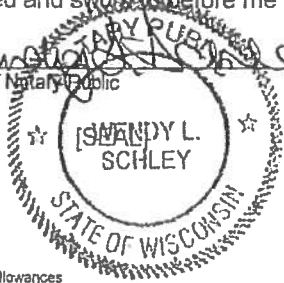
Lori L. Rosenthal
Print/Type Name of Authorized Representative

December 2, 2014
Date

Subscribed and sworn to before me this 2nd day of December, 2014

[Signature]
Signature of Notary Public

State of WI, My Commission expires 2-19-2017



DBD APPROVAL:

Signature

Date

* Exclude all allowances
** These may include any firms certified as DBEs by Milwaukee County Certification Program prior to the bid due date.

FOR DBD USE ONLY: (A) \$ _____
(V) \$ _____

Total % _____

* Exclude all allowances
** These may include any firms certified as DBEs by Milwaukee County Certification Program prior to the bid due date.

DBD APPROVAL:

[Signature]
Signature

12/3/14
Date