

**Firms Requesting RFQ-Runway 7R/25L Cargo Apron Deice Pad**

**-Construction Management**

1. Gilbane Building Company
2. Hunsinger Construction
3. Schmidt Building Company
4. Bloom Companies
5. Malas Engineering
6. Mead and Hunt
7. R.M. Chin & Associates
8. Ogden Construction
9. Mortenson Construction
10. EMCS
11. Burns & McDonell
12. Angelo Construction Services
13. Cotter Consulting
14. Himalayan
15. J. W. Johnson & Associates
16. K. SINGH & ASSOCIATES, INC.
17. Toki & Associates

**GENERAL MITCHELL INTERNATIONAL AIRPORT**

**Construction Manager  
Runway 7R Cargo Apron Deice Pad  
Qualification Statement Evaluation**

Name of Lead Consultant \_\_\_\_\_

*Provide a rating for each Evaluation Factor listed below on a scale of 1 to 10 (10 being best):*

	<u>Evaluation Factor</u>	<u>Rating</u>	<u>Weight</u>	<u>Score</u>
1)	<u>Lead Consultant</u> qualifications and experience pertinent to the required project services.	____ X	2 =	_____
2)	<u>Team</u> (sub-consultants) qualifications and experience pertinent to the services indicated to be performed.	____ X	1 =	_____
3)	Experience and background, applicable to the project, of identified <u>primary personnel</u> .	____ X	2 =	_____
4)	Overall <u>team organization</u> (match or fit of lead consultant, sub-consultants, and key personnel to project objectives).	____ X	1 =	_____
5)	<u>Responsiveness to RFQ:</u> <ul style="list-style-type: none"><li>• DBE participation-good faith efforts</li><li>• Staff resumes</li><li>• Similar projects completed</li><li>• References for similar services</li><li>• Statement clear and concise (&lt;30 pages)</li><li>• Demonstrated ability to meet schedules or deadlines</li><li>• Recent experience in airport projects comparable to the proposed tasks</li></ul>	____ X	1 =	_____

TOTAL SCORE: \_\_\_\_\_

Name of Reviewer: \_\_\_\_\_ Date: \_\_\_\_\_

GENERAL MITCHELL INTERNATIONAL AIRPORT												
Runway 7R Cargo Apron Deice Pad												
PROJECT NO. A158-12009												
CONSTRUCTION MANAGEMENT												
Qualifications Statement Evaluation Score Results												
Reviewer	Evaluation item	RM Chin & Assoc	Mead & Hunt	Burns & McDonnell	Himalayan Consult	Mortenson	Bloom	Gilbane	Schmidt	Ogden		
Tim Kipp	Lead Consultant	20	20	20	18	16	16	14	14	14		
	Team	10	10	10	9	7	9	7	7	7		
	Experience	20	18	18	18	16	14	16	16	12		
	Overall team organization	9	9	9	9	8	7	7	7	6		
	Responsiveness to RFQ	9	9	10	9	6	6	6	7	9		
TOTAL SCORE	68	66	67	63	53	52	51	48	48	42		
		1	3	2	4	5	6	7	8	9		
Jim Zsebe	Lead Consultant	20	20	20	14	16	16	14	14	16		
	Team	7	9	9	7	8	9	7	7	7		
	Experience	18	16	14	12	14	14	10	10	14		
	Overall team organization	9	8	7	8	7	7	5	5	8		
	Responsiveness to RFQ	10	9	10	5	5	7	7	5	7		
TOTAL SCORE	64	62	60	46	52	53	41	52	52	32		
		1	2	3	6	5	4	7	5	8		
Greg Falley	Lead Consultant	4	14	14	10	16	6	14	14	18		
	Team	3	7	7	5	7	3	7	7	8		
	Experience	6	14	14	10	16	6	16	16	16		
	Overall team organization	3	7	8	6	8	3	3	7	8		
	Responsiveness to RFQ	3	7	6	7	6	3	7	7	8		
TOTAL SCORE	19	49	52	37	54	21	51	58	58	14		
		8	5	3	7	2	6	4	1	9		
Jim Grava	Lead Consultant	20	20	14	18	16	15	13	17	17		
	Team	7	9	7	9	10	10	7	8	5		
	Experience	18	16	14	18	8	8	9	9	16		
	Overall team organization	9	8	9	9	7	7	5	7	4		
	Responsiveness to RFQ	10	9	9	9	8	7	6	7	7		
TOTAL SCORE	54	53	43	54	41	47	40	55	55	30		
		1	2	1	4	2	5	7	8	9		
Mark Phillips	Lead Consultant	18	20	20	16	16	16	14	10	10		
	Team	10	10	10	10	10	10	10	10	10		
	Experience	16	18	20	10	8	8	8	8	6		
	Overall team organization	8	9	9	8	7	8	7	7	7		
	Responsiveness to RFQ	9	9	9	8	8	8	8	8	7		
TOTAL SCORE	61	66	68	52	49	50	47	40	40	27		
		3	2	1	4	6	5	7	8	9		
	AVERAGE SCORE	53.2	59.2	58.0	50.4	49.8	44.6	46.0	50.6	29.0		
	RANK OF AVE. SCORE	3	1	2	4	6	8	7	5	9		
	AVERAGE RANK	2.8	3.0	2.3	5.3	4.5	5.3	6.3	5.5	8.8		
	Selected for interview?	YES	YES	YES	YES	NO	NO	NO	NO	NO		
1/28/15												

## **GENERAL MITCHELL INTERNATIONAL AIRPORT**

### **RUNWAY 7R CARGO APRON DEICE PAD**

#### ***CONSTRUCTION MANAGEMENT SERVICES***

**December 8, 2014**

### **REQUEST FOR QUALIFICATIONS**

Milwaukee County Department of Administrative Services-Airport Division is requesting proposals from consultants to perform construction management services for the Runway 7R Cargo Apron Deice Pad project at General Mitchell International Airport (GMIA) in Milwaukee, Wisconsin.

#### **I. BACKGROUND**

In 2013 General Mitchell International Airport (GMIA) received budget approval to proceed with the planning and preliminary engineering of a second large centralized deicing apron located at the approach end of Runway 7R.

The construction of a centralized deicing facility adjacent to Runway 7R/25L on the west end of the airfield has been designed and bid out. The deicing pad is to be located between the existing cargo apron and Taxiway A. This area is currently turf, and is used to store snow that was removed from the apron and taxiway pavements. Once the deicing pad is built, this area will no longer be available for snow storage. As such the snow will need to either be trucked off site, or melted at the site. The airport has determined a snow melter will be the best fit and has purchased a unit dedicated to the cargo ramp.

During deicing operations all glycol collected on the newly constructed apron will be channeled via in-pavement trench drains by gravity to an underground lift station and then conveyed by pumps to an above ground holding facility. The holding tank will be emptied periodically with the recovered glycol being trucked away and recycled.

In none deicing periods, electronic actuated valves in the central control structure will divert water to a "clean" storm sewer conveyance piping network. The valve control panel will be located by the existing cargo building.

#### **II. GENERAL SCOPE OF WORK –Runway 7R Cargo Apron Deice Pad**

The construction management of the Runway 7R Cargo Apron Deice pad project shall consist of any and all solicited scope of services which includes, but is not limited to, the following tasks:

- Attend pre-construction meeting(s).
- Coordinate and arrange weekly progress meetings with contractor, airlines, FAA, airport operation, security and engineering.
- Provide daily onsite construction inspection and management.

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- Change Order evaluation and creation.
- Coordinate and respond to all “Request for Information” (RFI’s).
- Prepare certificates of payment.
- Supervise the installation of duct packages and manholes at various airfield locations.
- Project phasing, which requires extensive coordination, scheduling and expertise due to the complexity of work at the GMIA terminal and airfield.
- Ensuring airport security is maintained during construction. Construction Manager will be responsible for security gate staffing levels via airport security.
- Interpretation of plans and specifications.
- If time allows perform a plan set constructability review to ensure the project is buildable, cost effective and maintainable.
- Applicant must be familiar with industry code requirements involve in tank installation as well as construction methods involved in installation of the proposed drainage network and lift station including valve controls.
- The construction manager requires up-to-date knowledge of the latest engineering practices pertaining to airfield projects during construction.
- Inspect phasing limits and verify on a daily basis proper barricading methods to ensure a safe environment for construction workers and aircraft movements.
- Provide record drawings based upon contractor red-lined mark-up plan sheets.
- Arrange/coordinate necessary testing to satisfy all code requirements and to ensure FAA compliance.
- Runway 7R Cargo Apron Deice Apron construction budget is \$11,400,000.

All airport facilities will be required to remain in full operation while the construction proceeds. Only the areas designated in the phase drawings with agreed upon timeframes will be vacated for the work.

**III. PROJECT OBJECTIVE(S)**

Milwaukee County wishes to proceed with an agreement for construction management services for the Runway 7R Cargo Apron Deice project located at General Mitchell International Airport.

**IV. SCOPE OF PROFESSIONAL SERVICES**

**The successful consultant shall perform all construction management services per the standard terms and conditions of the Milwaukee County Department of Administrative Services Facilities Management Division Agreement for Professional Services (Type A or Type C, to be determined). The selected consultant shall have overall coordination and day to day construction management responsibilities for the project within the overall project timetable. The consultant contract will include Basic Services, as described in Article 3 of the Agreement.**

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Construction management services for the project are generally required as follows:

**A. GENERAL SCOPE OF PROFESSIONAL SERVICES**

**1. PRE-CONSTRUCTION PHASE (If construction management contract is signed and time allows prior to construction phase)**

Pre-construction services shall include a quality assurance review of the design work. The quality assurance review shall include evaluation of the quality and value of materials and systems proposed by the design team, project constructability, coordination and completeness of all project elements and disciplines and viability of proposed construction schedules and phasing plans. Services during this part shall include a written report of the review and advice and assistance to the design team regarding any correction or improvement to the construction phase.

Services under this part shall end with participation in the pre-construction conference(s).

**2. CONSTRUCTION PHASE**

Construction management services shall include day-today on-site monitoring and documentation of construction activities to assure quality and compliance with construction contract requirements. This work shall include all required and necessary quality assurance construction testing per the project specifications. All schedules, as-built notes and details shall be maintained, monitored, and updated. Coordination of construction contracts shall be provided to include seamless provision of temporary project facilities and services. Project budget shall be monitored including responsibility for preparation of all construction progress payments and evaluation and processing of all claims and change orders, and RFI processing.

Construction management services shall also include the coordination with other work being performed by the City Of Milwaukee, Milwaukee County Highways Division, various private utilities and the FAA Technical Operations Division. As part of the scope of services, the consultant shall communicate with all aforementioned agencies, for the purpose of insuring a smooth and safe worksite, and to facilitate the execution of all the necessary construction work in order to maintain the owner's schedule.

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**V. PROJECT TIMETABLE**

This timetable is based on the best information available as of the date of this Request for Qualifications (RFQ) and is intended to give prospective consultants a general idea of the anticipated project schedule.

1. Begin issue of Request for Qualifications (RFQ) to consultants. December 10, 2014
2. Pre-Proposal conference in the Sijan Conference Room, located at the rear of the Gallery of Flight Museum, 2<sup>nd</sup> level of the main terminal, GMIA. 10:00am, January 8, 2015
3. **Proposals due.** **January 16, 2015**
4. Interview consultants (some or all as selected)  
If interviews do occur it will be no sooner than: January 26, 2015
5. Construction Management award (will occur no sooner than). February 2, 2015
6. Consultant Agreement execution/project Notice-to-Proceed. March 30, 2015
7. Anticipated construction start April 1, 2015
8. Project Closeout December 31, 2015

**VI. STATEMENT OF QUALIFICATIONS PREPARATION AND SUBMISSION GUIDELINES**

1. Explanation to Prospective Consultants

Any prospective consultant desiring an explanation or interpretation of this RFQ must request it in writing no later than seven business days before the last date for submission of statements. Requests should be directed to the individual in charge at the address listed in the RFQ. Any information given to a prospective consultant concerning a solicitation will be furnished promptly to all other prospective consultants as an amendment to the RFQ, if that information is necessary in submitting offers or if the lack of it would be prejudicial to any other prospective consultants.

2. Complete Statements

Statements shall represent the best efforts of the consultants and will be evaluated as such. Statements must set forth full, accurate, and complete information as required by this section and other sections of this RFQ.

3. Unnecessarily Elaborate Statements

Brochures or other presentations beyond those sufficient to present a complete and effective response to this solicitation are not desired and may be construed as unnecessarily elaborate and an indication of the consultant's lack of cost consciousness. Elaborate art work, expensive paper

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and binding, and expensive visual and other presentation aids are neither necessary nor desired. Concise and clear statements are sought.

**4. Retention of Statements**

All statement documents shall be retained by the County and therefore, will not be returned to the consultants. The County will not pay for preparation of statements or for statements that are retained by the County.

**5. Examination by Prospective Consultants**

Consultants are expected to examine the project location, scope of services, project objective and all instructions and attachments in this RFQ. Failure to do so will be at the consultant's risk.

**6. Statement of Qualifications Content**

The Statement of Qualifications shall include the following information:

- A. **Cover:** Include project number and name, project location, consultant's name, address, telephone number, FAX number, email address, statement date, etc.
- B. **Table of Contents:** Include an identification of the material by section and page number.
- C. **Letter or Transmittal:** The name and description of the organization submitting the statement briefly stating the proposers understanding of the service to be provided.
- D. **Project Organization and Staff Experience:** Include an organizational structure of the project team, including the relationship of the sub-consultants to be used for this project. The name of the Principal-In-Charge of this project along with Professional Registration must be clearly indicated in this section of the statement, along with the name, occupation and title of the Project Manager who will be in charge of this project. Provide a resume for each individual involved in the project, and include their name, title and/or duties for the project, professional registration, a brief description of related experience including time contribution in this capacity to past projects, and qualifications.
- E. **Sub-Consultants:** Indicate the names and addresses of any sub-consultants and/or associates proposed to be used in this project. State the capacity they would be used in and the approximate percentage of the total services they would provide. Also state their past experience in the field.
- F. **Project Approach:** Provide a statement to indicate an understanding of the project requirements, a description of the planning and design approach, the technical problems you anticipate in this project and how you propose to solve them.
- G. **Scheduling:** Provide a bar chart form schedule which indicates a sequence, time table, and relationship of tasks which are necessary to complete the project. Include a statement indicating that the proposed project schedule can be met. Submit an alternate schedule if the consultant cannot meet the proposed schedule.



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H. DBE Goals: The Disadvantaged Business Enterprise (DBE) participation goal for this project/agreement is 25%. Indicate the planned approach to meet the DBE goal

For more information on the DBE participation program, call Mr. Mark Phillips of the Community Business Development Partner (CBDP) Office at 414-278-5104.

I. Quality Control: Submit a contract document quality control plan. Quality control is to be performed by individuals not assigned to the project on an ongoing basis.

**7. Late Statements and Modifications and Withdrawals of Statements**

Any statement received at the office designated in the solicitation after the exact time specified for receipt will not be considered.

**VII. STATEMENT EVALUATION AND CONSULTANT SELECTION**

Following is a list of criteria that will be used to evaluate the submitted statements of qualification:

1. The qualifications and experience of the firm(s) and primary personnel to be assigned to the project as submitted with the statement.
2. The firm's past performance on projects of similar scope and size as submitted with the statement.
3. The organization of the consultant team including effective utilization of DBE firms.
4. Coverage within the consultant team of all required disciplines including but not limited to:
  - Constructability review
  - Concrete apron paving methods
  - Storm sewer and trench drain installation
  - Applicable testing
  - Knowledge and experience in airfield construction environment
  - Structural, civil, mechanical, electrical systems experience pertaining to this project.
  - Tank and lift station fabrication and start-up
5. The firm's indicated understanding of the project requirements
6. The consultant's project approach and methodology as presented in the statement.
7. The project team's resources and availability of key personnel as related to the needs of this project.
8. The consultant's proposed schedule of project tasks and activities that meet the requirements of the project.
9. The consultant's responsiveness to the RFQ.
10. The consultant's plan and assurance of meeting Milwaukee County's DBE requirements.
11. Analysis of the consultant's overall interest, commitment, and ability.

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Selection of the consultant for award of this project will be qualifications-based subject to a mutual understanding of the scope of services and a negotiation of a fair and reasonable fee. After evaluation of the submitted proposals and the following interviews (if needed) the consultant selection committee will score and rank the consultants. Negotiation will follow with the highest ranked consultant to fully define the scope of work and to reach a fair and reasonable fee. If this cannot be accomplished with the highest ranked consultant then negotiation will proceed with each succeeding consultant until an acceptable agreement is reached.

Milwaukee County reserves the right to accept or reject any and all statements, issue addenda, request clarification, waive technicalities, alter the nature and/or scope of the proposed project, request additional submittals, and/or discontinue this process.

**VIII. GENERAL REQUIREMENTS**

Submitting consultants shall comply with Milwaukee County Code of Ethics as follows:

**GENERAL ORDINANCE OF MILWAUKEE COUNTY**

**- 9.05 CODE OF ETHICS**

- (2)(I) No person(s) with a personal financial interest in the approval or denial of a contract being considered by a County department or with an agency funded and regulated by a County department, may make a campaign contribution to any County official who has approval authority over that contract during its consideration. Contract considerations shall begin when a contract is submitted directly to a County department or to an agency until the contract has reached final disposition, including adoption, county executive action, proceedings on veto (if necessary) or departmental approval. This provision does not apply to those items covered by Section 9.15 unless an acceptance by an elected official would conflict with this section. The language in Section 9.05(2)(I) shall be included in all Request for Proposals (RFP) and bid documents.

The successful consultant and/or any contractor affiliated with that consultant shall be prohibited from submitting bids in the construction bidding process for this project.

With the signing and submission of a statement or proposal the submitting consultant certifies that the standard terms and conditions of the Agreement for Professional Services (that will be used to contract with the selected consultant) has been read and understood and that the submitting consultant is ready, willing, and able to sign such an agreement, when requested, without making any substantive changes.

The successful consultant must be an Equal Opportunity Employer.

The submitted statement of qualifications shall conform to the requirements of this RFQ and all attached documents. All statements should use this RFQ and its attachments as the sole basis for the statement. The issuance of a written addendum and the pre-submission meeting minutes (if issued) are the only official method through which interpretation, clarification or additional information will be given.

All costs for preparing a statement, attending a pre-proposal meeting, attending the selection interview if required, or supplying additional information requested by Milwaukee County, are the sole responsibility of the submitting party. Material submitted will not be returned.

The statement must be submitted in a single bound 8-1/2" x 11" document.

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Construction management services for the two projects described above will be combined into one professional service agreement. Each project will remain separate in terms of scope of services, consultant time, reimbursables, final products and invoicing with said Agreement.

Any firm currently a part of the Runway 7R Cargo Apron Deice design team will not be permitted to become any part of the selected construction management team under this agreement.

**IX. ADDITIONAL REQUIREMENTS**

The successful consultant must be an Equal Opportunity Employer. The consultant shall utilize Disadvantaged Business Enterprise (DBE) with a goal of *twenty-five percent (25%)* of the consultant's fee.

Only certified Milwaukee County/DOT DBE firms may be utilized. Contact Mark Phillips t at (414) 278-5104 for a list of certified firms and/or information regarding DBE certification.

Submit six (6) copies of your Proposal, complete as specified in this request, no later than **4:00 PM CST January 16, 2015** to:

Timothy M. Kipp  
Milwaukee County DAS  
Airport Engineers Office  
General Mitchell International Airport  
5300 South Howell Avenue  
Milwaukee, Wisconsin 53207-6189

Please contact Timothy Kipp at (414) 747-5716 or [tkipp@mitchellairport.com](mailto:tkipp@mitchellairport.com) with any questions regarding this Request for Qualifications.

**Milwaukee County reserves the right to accept or reject any and all proposals as determined to be in the best interests of Milwaukee County.**


Attachment: Project Location Map

### PROOF OF PUBLICATION

STATE OF WISCONSIN }  
MILWAUKEE COUNTY } s.s.

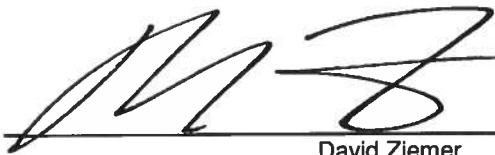
Jim Williams, being the first duly sworn on oath, says that he is the Publisher of THE DAILY REPORTER, which is a public newspaper of general circulation, printed and published daily in the English language in the City of Milwaukee, in said county, and fully complying with the laws of Wisconsin, relating to the publication of legal notices; that the notice of which the printed one attached is a true copy, which was clipped from the said newspaper, was inserted and published in said newspaper on

Dec. 10, 2014    Dec. 17, 2014    Jan. 7, 2015



Jim Williams, Publisher

Sworn to me this 7th day of January 2015



David Ziemer  
Notary Public, Milwaukee County, Wisconsin  
My Commission Is Permanent

#### CONSTRUCTION MANAGEMENT SERVICES RUNWAY 7R CARGO APRON DEICE PAD REQUEST FOR QUALIFICATIONS

Milwaukee County Department of Administrative Services is requesting qualification statements (RFQ) from professional construction management firms for Runway 7R Cargo Apron Deice Pad project at General Mitchell International Airport in Milwaukee Wisconsin.

Submittals are due January 16, 2015.

A Request for Qualification package can be found on the Milwaukee County website or contact:

Timothy Kipp,  
Milwaukee County DTPW,  
Airport Engineers Office,  
General Mitchell International  
Airport,  
5300 South Howell Avenue,  
Milwaukee, WI 53207-6189.  
(414) 747-5716  
email: Tkipp@Mitchellairport.com  
10651379/12-10-17-1-7

### PROOF OF PUBLICATION

**GENERAL MITCHELL INTERNATIONAL AIRPORT**

**PRE-PROPOSAL CONFERENCE  
CONSTRUCTION MANAGEMENT SERVICES  
GMIA - Runway 7R Cargo Apron Deice Pad  
Project No. A158-12009**

Sijan Conference Room

January 8, 2015

10:00am

Attendees

NAME	FIRM	PHONE	E-MAIL
1. TIM KIPP	GMIA-ENGINEERING	414 7475710	TK.kpp@ mitchellairport.com
2. Grace Redovich	Gilbane Building Co.	414 405 5906	gredovich@ gilbaneco.com
3. KEVIN JOHNSON	HUNZINGER CONSTRUCTION	262-432- 9166	KJOHNSON@ HUNZINGER.COM
4. Chris Schmidt	Schmidt Building Co.	414-312- 3163	chris@schmidtbuild.com
5. HARRY FACHMIN	BLOOM COMPANIES	414-292 -4515	HFACHMIN@BLOOMCO. COM
6. MAC MALAS	MALAS ENGINEERING	(414) 870- 3112	MMALAS@MALASENGINEER ING.COM
7. GREG STERN	MEAD & HUNT	(608) 273-6380	greg.stern@ meadhunt.com
8. MATT McNULTY	R.M. CHIN & ASSOCIATES	(312) 448 1491	mcmnulty@rmchin.com
9. Mike Cook	Ogden Construction	414 342-7200	Jmcook@ogdenrc.com
10. Rob Myers	Mortenson Construction	262 879 2500	rob.myers@mortenson.com
11. Dave Bruse	EMCS	414 347-1607	dbruse@emcsinc.com
12. Steve Moulton	Burns & McDonnell	630 724-3345	smoulton@burnsmcd.com
13. Rebecca Vanderbeck	Burns + McDonnell	414 489-0208	rvanderbeck@burnsmcd COM

Pre-Proposal Conference held on January 8, 2015  
 Construction Management Services – Runway 7R Cargo Apron Deice Pad  
 Project No. A158-12009  
 Attendees list

NAME	FIRM	PHONE	E-MAIL
14. Joel A. Saucedo	Angelo Construction Services, Inc	312 802-5662	jsaucedo@angelo-cs.com
15. NAHID AFSARI	COTTER CONSULTING	414 581-5862	n.afsari@cotterconsulting.com
16. Paul Janswold	Himalayan	414 507-3838	pjanswold@himalayanllc.com
17. DAVE BARBER	HIMALAYAN	262-502-0066	dbarber@himalayanllc.com
18. Jeff Johnson	J.W. Johnson's Assoc.	920/ 857-7181	johsonj@jwjohsonassociates.com
19. STEPHEN SINGLEMAN	GMIA ENGINEERING	414 747-3726	ssingleman@mitchellaairport.com
20. Greg Failey	GMIA-Environ	747-5713	gfailey@mitchellaairport.com
21. MIKE KEEGAN	GMIA - SECURITY	747-4535	mkeegan@mitchellaairport.com
22. Mark Phillips	Milwaukee County DAS-CBOP	414. 278-5104	mark.phillips@milwaukeecountywi.gov
23.			
24.			
25.			
26.			
27.			
28.			



# COMMUNITY BUSINESS DEVELOPMENT PARTNERS MILWAUKEE COUNTY

## COMMITMENT TO CONTRACT WITH DBE

(This form is to be completed by the bidder/proposer and the DBE named for submission with bid/proposal)

PROJECT No.: A158-12009      PROJECT TITLE: RUNWAY 7R DEICE PAD PROJECT – TYPE A CONTRACT

TOTAL CONTRACT AMOUNT: \$ 651,096.96 (without expenses)      DBE Goal: 25%

Name & Address of DBE <sup>(*)</sup>	Scope of Work Detailed Description	DBE Contract Amount	% of Total Contract
LF Green Development, LLC 5600 W Brown Deer Rd. – Suite 120 Milwaukee, WI 53223	Environmental Review and Inspection for Contaminated Soils and Handling	\$10,000	1.536%

(\* Separate commitment form must be completed for each DBE firm)

### Bidder/Proposer Commitment (To be completed by firm committing work to DBE)

I certify that the DBE firm listed quoted the identified service(s) and cost(s). I further acknowledge our firm having negotiated with, and having received confirmation, on partnering, pricing and delivery from DBE firm listed herein. Our firm Mead & Hunt, Inc. (Phone No. 608-273-6380), or one of our subcontractors, will enter into contract with the DBE firm listed, for the service(s) and amount(s) specified when awarded this contract. A copy of the contract between our firm and that of the named DBE will be submitted directly to CBDP within seven (7) days from receipt of Notice-to-Proceed on this contract. 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 law.

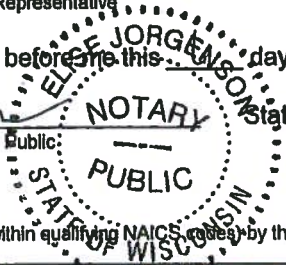
Meg Horn  
Signature of Authorized Representative

GREG STERN - PROJECT MANAGER  
Name & Title of Authorized Representative

03/06/2015  
Date

Subscribed and sworn to before me this March day of 2015

Eric Jorgenson  
Signature of Notary Public



State of WI My Commission expires 8-28-16

[SEAL]

\* Only firms certified as DBEs (within qualifying NAICS codes) by the State of Wisconsin UCP prior to bid/proposal opening will be credited on this contract

### DBE Affirmation (To be completed by DBE Owner/Authorized Representative)

- I affirm that the State of Wisconsin UCP has certified our company as a DBE, and that our company is currently listed in the State of Wisconsin UCP Directory.
- I acknowledge and accept this commitment to contract with my firm for the service(s) and dollar amount(s) specified herein, as put forth by Mead & Hunt, Inc. – Attn: Greg Stern – Phone No. 608-273-6380.
- I understand and accept that this commitment is for service(s) to be rendered in completion of the Milwaukee County project specified herein to be completed with my own forces, unless otherwise approved by CBDP.
- I affirm that approval from CBDP will be obtained prior to subletting any portion of this work awarded to my firm on this project.

Linda J. Fellenz

Signature of Authorized DBE Representative

Linda J. Fellenz  
Name & Title of Authorized DBE Representative

March 5, 2015  
Date

### FOR CBDP USE ONLY

Commitment number 2 of 3

Project Total: (A) \_\_\_\_\_ (V) \$ 10,000 / 1.5% Total % 28.5

Verified with: Linda

[Signature]  
Authorized Signature

03/09/15  
Date



# COMMUNITY BUSINESS DEVELOPMENT PARTNERS MILWAUKEE COUNTY

## COMMITMENT TO CONTRACT WITH DBE

(This form is to be completed by the bidder/proposer and the DBE named for submission with bid/proposal)

PROJECT No.: A158-12009 PROJECT TITLE: RUNWAY 7R DEICE PAD PROJECT - TYPE A CONTRACT

TOTAL CONTRACT AMOUNT: \$ 651,096.96 (without expenses) DBE Goal: 25%

Name & Address of DBE(*)	Scope of Work Detailed Description	DBE Contract Amount	% of Total Contract
M-Squared Engineering W62N215 Washington Ave Cedarburg, WI 53012	Survey Verification, Inspection Assistance	\$81,387.12	12.50%

(\* Separate commitment form must be completed for each DBE firm)

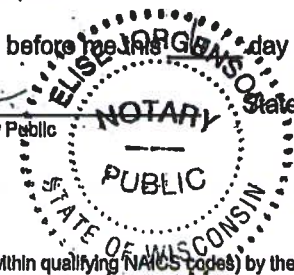
### Bidder/Proposer Commitment (To be completed by firm committing work to DBE)

I certify that the DBE firm listed quoted the Identified service(s) and cost(s). I further acknowledge our firm having negotiated with, and having received confirmation, on partnering, pricing and delivery from DBE firm listed herein. Our firm Mead & Hunt, Inc. (Phone No. 608-273-6380), or one of our subcontractors, will enter into contract with the DBE firm listed, for the service(s) and amount(s) specified when awarded this contract. A copy of the contract between our firm and that of the named DBE will be submitted directly to CBDP within seven (7) days from receipt of Notice-to-Proceed on this contract. 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 law.

Greg Stern Signature of Authorized Representative      Greg Stern - PROJECT MANAGER Name & Title of Authorized Representative      03/06/2015 Date

Subscribed and sworn to before me this 06 day of March, 20 15  
Elise Jorgensen Signature of Notary Public      State of WI      My Commission expires 8-28-16

[SEAL]



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### DBE Affirmation (To be completed by DBE Owner/Authorized Representative)

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- I affirm that approval from CBDP will be obtained prior to subletting any portion of this work awarded to my firm on this project.

Minal Hahn Signature of Authorized DBE Representative      Minal Hahn / President Name & Title of Authorized DBE Representative      3/16/2015 Date

### FOR CBDP USE ONLY

Commitment number 1 of 3 Project Total: (A) 13,53,95/105 (V) \$ 1293-17/2% Total % 28.5%  
Verified with: Minal Authorized Signature      03/16/15 Date





# COMMUNITY BUSINESS DEVELOPMENT PARTNERS MILWAUKEE COUNTY

## COMMITMENT TO CONTRACT WITH DBE

(This form is to be completed by the bidder/proposer and the DBE named for submission with bid/proposal)

PROJECT No.: A158-12009      PROJECT TITLE: RUNWAY 7R DEICE PAD PROJECT – TYPE A CONTRACT

TOTAL CONTRACT AMOUNT: \$ 651,096.96 (without expenses)      DBE Goal: 25%

Name & Address of DBE <sup>(*)</sup>	Scope of Work Detailed Description	DBE Contract Amount	% of Total Contract
Soils & Engineering Services, Inc. 1102 Stewart Street Madison, WI 53713-4648	Materials Inspection and Testing	\$94,210.29	14.469%

(\* Separate commitment form must be completed for each DBE firm)

### Bidder/Proposer Commitment (To be completed by firm committing work to DBE)

I certify that the DBE firm listed quoted the identified service(s) and cost(s). I further acknowledge our firm having negotiated with, and having received confirmation, on partnering, pricing and delivery from DBE firm listed herein. Our firm Mead & Hunt, Inc. (Phone No. 608-273-6380), or one of our subcontractors, will enter into contract with the DBE firm listed, for the service(s) and amount(s) specified when awarded this contract. A copy of the contract between our firm and that of the named DBE will be submitted directly to CBDP within seven (7) days from receipt of Notice-to-Proceed on this contract. 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 law.

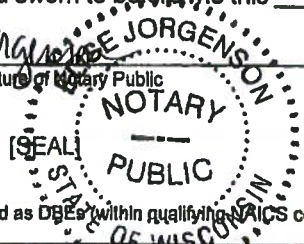
Greg Stern  
Signature of Authorized Representative

GREG STERN - PROJECT MANAGER      3/6/2015  
Name & Title of Authorized Representative      Date

Subscribed and sworn to before me this 6 day of March, 2015

Ann Jorgenson  
Signature of Notary Public

State of WI      My Commission expires 8-28-16



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### DBE Affirmation (To be completed by DBE Owner/Authorized Representative)

- I affirm that the State of Wisconsin UCP has certified our company as a DBE, and that our company is currently listed in the State of Wisconsin UCP Directory.
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- I understand and accept that this commitment is for service(s) to be rendered in completion of the Milwaukee County project specified herein to be completed with my own forces, unless otherwise approved by CBDP.
- I affirm that approval from CBDP will be obtained prior to subletting any portion of this work awarded to my firm on this project.

Duane E. Reichel  
Signature of Authorized DBE Representative

Duane E. Reichel, PE / Corporate Secretary      March 6, 2015  
Name & Title of Authorized DBE Representative      Date

### FOR CBDP USE ONLY

Commitment number 3 of 3      Project Total: (A) 94,210.29 / 14.46% \$      Total % 28.5

Verified with: SAVE      [Signature]      3/6/15  
Authorized Signature      Date

**General Mitchell International Airport  
Runway 7R Deice Pad Project  
Project No. A158-12009 – TYPE C Contract  
Construction Management Services Work Scope  
March 6<sup>th</sup>, 2015**

**Project Description:**

General Mitchell International Airport (MKE) intends to construct a concrete deicing pad to be located near the approach end of Runway 7R, in the area generally bound between the existing Cargo Apron and Taxiways A, A4 and A5. The project consists of filling-in the existing turf area with approximately 50,000 square yards of a proposed 18" concrete airfield pavement section, the installation of approximately 5,500 feet of storm sewer of various sizes, 35 drainage structures and approximately 2,800 feet of trench drain. Drainage between the existing cargo apron, Taxiway A and the proposed deice pad will be conveyed to either clean or dirty trench drains that will connect to either existing discharge storm sewers or to a centrally located, cast-in-place, diversion chamber structure.

During deicing operations, the diversion chamber will direct glycol runoff to a lift station to be located west of Taxiway A5 by means of gravity flow through an 18" concrete storm sewer. The lift station will pump the glycol runoff via 8" ductile iron force main to a 100,000 gallon bolted steel storage tank. Both the lift station and storage tank will be accessed via new concrete roadways and driveways that will extend from the existing airfield perimeter road. The glycol storage and conveyance infrastructure will include related influent / effluent valves, a truck fill station, lighting, and related electrical and mechanical improvements associated with the actuator and motor controls for the valves and direction of flow. When deicing operations are not in effect, the diversion chamber will drain to existing storm sewer that will convey the clean runoff to an existing detention facility located south of Runway 7R.

The project will also include ancillary improvements such as removal and replacement of existing airfield pavements, earthwork, airfield edge lighting, signing and related conduit and cable. The project also includes the removal and installation of underdrains, adjustment to existing electrical and storm sewer structures, removal of existing camera infrastructure, and items for erosion control, marking, barricades, safety fencing and landscaping.

The project was designed by the Airport and a consulting team comprised of CDM-Smith, Baker, and K-Singh Associates. The project has been separated into a Base Bid and two Alternates.

The Base Bid includes much of the deep underground storm sewer and structures for the project and includes the central diversion chamber but excludes the trench drains. The base bid also includes small segments of pavement removal and replacement, electrical, safety fencing and barricades, erosion control and landscaping.

Alternate 1 is comprised mostly of the earthwork, proposed 18" concrete pavement section, trench drains, underdrains, airfield edge lighting and electrical, and also includes additional segments of storm sewer and related structures.

Alternate 2 includes the work to provide pumping and storage infrastructure for the glycol runoff collected and drained from the pad. It will include the lift station, influent and effluent valve vaults, the 8" force main, the 100,000 gallon storage tank and foundation, concrete driveways and access roadways, and related electrical, storm sewer and site grading.

The Airport opened bids on the above described project in July 2014. Cornerstone Pavers was identified as the lowest responsive and responsible bidder. The Base Bid and Alternate 1 have been awarded, and processes are currently underway to also award Alternate 2. Cornerstone has expressed an interest in starting the project right away in April 2015, or as soon as weather conditions allow.

**Overview of Construction Management Services:**

This work scope includes Construction Management (CM) services to be rendered for the project. Given the processes and timelines required for County approvals, the Airport has communicated that the overall CM contract may not be signed in advance of construction. As such, the Airport will be establishing an initial and separate Type B contract through Mead & Hunt's annual consultant agreement with the Milwaukee County Department of Administration. The separate initial contract will encompass Section 1 (Pre-Construction) tasks. The work under this Type C scope includes work tasks identified in Section 2 (Construction Management), Section 3 (Resident Engineering & Material Testing) and Section 4 (Post Construction Services) all of which are outlined in greater detail within the following pages.

The overall scope of services has been developed commensurate with the required project completion dates, and through preliminary correspondence with the Airport's project manager. The project special provisions outline that base bid work shall be completed within 90 calendar days from the start date identified in the Notice to Proceed. Alternate 1 shall be completed within 120 calendar days from the start date identified on a separate Notice to Proceed, and Alternate 2 shall be completed within 150 calendar days from the start date identified on a separate Notice to Proceed. In correspondence with the Airport, Construction Management services shall be scoped with the assumption of an April 6th 2015 construction start date, and shall extend through December 4th 2015.

**Overview of Mead & Hunt staff, sub-consultants and resources:**

Mead & Hunt shall assign a Project Manager (PM) who will be the primary point of contact for the Airport, Contractor, FAA and the design (CA) team. The PM will be responsible for the oversight of Mead & Hunt staff and sub-consultants assigned to the project. The PM will schedule and preside over the weekly progress meetings and be responsible for organizing, reviewing and developing overall approval / response to requests for information (RFIs), proposed material substitutions, change orders, construction bulletins, weekly progress reports, meeting minutes, construction payments, and other forms and documentation required during the project. The PM will additionally be responsible for coordinating gate guard staffing requirements with the Airport's Security department, and for review of safety barricades, fencing and FOD control with Airport Operations. The PM will help with construction inspection as warranted, clarify the plans and specifications, and work to resolve issues that may develop in the field during construction.

Mead & Hunt shall assign a Resident Engineer (RE) who will be a full-time field presence dedicated to construction oversight, documentation of conditions, and work progress. The RE will maintain a construction journal to be used for development of weekly progress reports that outline weather

conditions, contractor's work force and equipment, and the controlling items of work. The RE shall measure and record quantities of work completed on a daily basis and compare to contractor's values. The RE shall document conversations and any field decisions or adjustments made to the plans within the construction journal, and shall maintain a red-lined set of drawings documenting as-built conditions and any variations from original plan.

Mead & Hunt shall also assign an experienced materials inspector who is familiar with airport construction, airfield pavements, and the associated materials and testing requirements to develop the Construction Management Plan (CMP). The materials inspector will review and provide feedback on the contractor's QC plan and will establish the QA processes for testing. The material inspector will work closely with the Consultant's sub consultant, Soils and Engineering Services (SES), to anticipate grading and pavement testing needs and to coordinate and schedule SES staff accordingly to supplement as necessary during busier periods of construction. He will work with SES to assign the lots to each area of grading and pavement material testing, will run the PWL calculations and will inspect that the type and frequency of testing is completed in accordance with project specifications. The material inspector will make routine inspections of the contractor's plants and aggregate sources and will obtain certifications for materials as necessary. He will identify and report to the PM and RE any failed test results or materials that do not conform to the project requirements, and overall help identify any items of work requiring additional effort, correction or adjustment during construction.

The Project Manager (PM), Resident Engineer (RE) and materials engineer will serve as the core Mead & Hunt staff during construction. The RE will be an everyday, full-time field presence and this scope assumes 10-hour days with five days of Saturday work. The PM will also be on site daily, with primary focus at the start and end of each day to coordinate staff and ensure that the project is properly secured, barricaded and cleaned of FOD. The PM will assist with inspection as the construction schedule dictates, and this scopes assumes  $\frac{3}{4}$  time construction involvement when not paving, and full-time involvement during paving operations. The materials engineer will be on site to perform tests / inspections or assist the DBE testing firm, and will be a full-time presence during paving operations.

Mead & Hunt shall also make available badged field engineers to assist with more specialized areas of construction on a daily basis (as needed) throughout the project. This will include an engineer with airport glycol management experience to assist with the construction oversight, testing, start-up and commissioning of the lift station, valve vaults, fill station, storage tank, diversion chamber, and assistance with air-testing of the storm sewer. Additional mechanical and electrical engineers will also be badged and made available for periodic assistance to the project, as warranted.

Mead & Hunt intends to utilize three (3) primary DBE sub consultants during the construction phase of the project to provide the following services:

1. Material inspection and testing assistance (Soils and Engineering Services, Inc.) – 13.5%
2. Periodic monitoring for the presence of contaminated soil during grading and documentation of material transported on the airport. (LF Green Development, LLC). – 1.5%
3. Construction inspection assistance for storm sewer and paving and survey grade verifications (M-Squared) – 11.5%

## **SECTION II Construction Management**

### **6.0 Construction Management**

The engineer agrees to provide the management engineering services required for the execution of the contracted work. A project manager (PM) will be assigned to the project and will be responsible for the overall management and review of construction progress, as well as pay requests. The PM will review and provide comment on project compliance issues for quality control testing performed by the Contractor. The PM will review the project on a daily basis and will make site visits to monitor construction activities. These services shall include, but are not limited to, the following:

- Check construction activities to obtain compliance with plans and specifications.
- Provide interpretation of plans and specifications.
- Supervise and coordinate sub-consultant contracts for field inspection (M-Squared) and testing (SES and LF Greene Development, LLC). Monitor overall CM staff, budget and oversee invoicing.
- Review shop drawings and contractor submitted certificates for compliance with design concepts.
- Establish and conduct weekly construction progress meetings with the contractor, Airport representatives, the FAA and impacted tenants to discuss pertinent construction issues such as schedules, runway and taxiway closures, materials submittals, mix design approvals, secured area access, and the need for traffic control or gate guards.
- Review and distribute weekly progress reports.
- Meet with the Airport Project Manager for consultation and advice during construction.
- Assist the Airport Project Manager in coordinating construction schedules and phasing to minimize impact on airport operations in coordination with other airport projects.
- Prepare and submit periodic pay estimates, including the final estimate, during the construction project. The PM will submit periodic payment recommendations to the Airport and FAA (if necessary) for concurrence. The PM as an experienced and qualified professional, will make payment recommendations from information that is gathered during on-site visits, provided by the contractor, reviewed from payment applications and accompanying data and schedules, or as measured by the Resident Engineer in the field. The PM shall resolve variations in quantities between the contractors, the plan quantities and/or measurements taken in the field.
- Lead any FAA coordination and submittals required for changes to the construction safety phasing plan or related airspace submittals needed during construction.
- Prepare change orders which include a cost estimate, cost/price analysis and record of negotiations. PM shall prepare and negotiate all necessary interpretations and clarifications, additions and deletions to change orders, and supplemental agreements as required. PM shall submit copies to the Airport and the FAA for approval and signature before proceeding with the work. Any additional design would not be considered in the scope of this task order.
- Assist the Airport PM with the preparation of reimbursement requests from grants as needed.
- Verify that all testing required by the specifications is performed, and review all materials reports prepared in accordance with the Construction Management Plan.
- Review payroll reports and monitor contractor's compliance with paying employees, per the Davis-Bacon Act requirements and prevailing wage rates provided in the contract documents.
- Monitor contractor's compliance with Disadvantaged Business Enterprise program.

## **SECTION III RESIDENT ENGINEERING AND MATERIAL TESTING**

### **7.0 Resident Engineering and Material Testing**

This task will include resident engineering, construction staking verification, inspection, and construction materials testing for the duration of the project. A dedicated resident engineer (RE) will be assigned to this project, as will a materials engineer, inspectors and surveyors. The RE will be on-site full time to coordinate and schedule staff, answer questions, observe quality control activities, process progress reports, make field measurements of quantities, and record as-built changes. Additionally, the RE will monitor compliance with plans and specifications, provide entries in the construction journal, assist in pay request processing, and report any non-compliance issues to the Airport, Contractor and PM.

The resident engineer shall maintain a construction journal to record the construction history of the project. The journal will be made available to the Owner upon request for review during inspections or visits. The project journal should include, but not be limited to, the following information - weather conditions, job site conditions, work in progress, general location of work, equipment in use, contractors work force and hours worked, delivered materials, tests performed, failed tests (if any) and action taken, instructions to contractors, record of visitors to project and verbal or written instructions given, record of telephone conversations and any verbal instructions received or authorizations granted, engineering field force activity and hours worked, and any delays to construction and the reason for delays. The journal should be in a bound book of good quality that is easy to handle and carry.

The materials inspector will have overall responsibility for the oversight and completion of all material testing performed by both the contractor (QC) and the CM staff (QA). The materials inspector will conduct field tests as the construction schedule allows, or will otherwise coordinate and schedule the DBE sub-consultant, SES, to supplement these operations during the busier periods of construction.

Resident engineering, inspection, and survey verification services shall include, but are not limited to, the following:

- Observe and check surveys conducted by the contractor for accordance with the plans and specifications.
- Check construction activities for compliance with plans and specifications.
- The Resident Engineer shall notify the contractor of any failure of the work or materials to conform to the requirements of the contract, plans, or specifications. The Resident Engineer may reject nonconforming materials and will notify the contractor to suspend any work in question, until such issues can be referred to the Owner for a final decision.
- Maintain daily records of the contractor's progress and activities during the course of construction and include progress of all work. These records will document work in progress, quality and quantity of materials delivered, test locations and results, instructions provided the contractor, weather conditions, equipment use, labor requirements, safety problems, and required changes.

- Evaluate and determine the acceptability of substitute construction materials and/or equipment proposed by the contractor. Evaluate the contractor's suggestions on drawing or specification modifications and report those suggestions to the PM and Owner.
- Consultant shall monitor the contractor's compliance with the Construction Operations and Safety Plan and immediately bring non-compliance issues to the attention of the contractor.
- Furnish the Owner and FAA with periodic construction progress and inspection reports and make these available on the project's SharePoint site.
- Check and submit reports on shop drawings and construction submittals.
- Document modifications made during the course of construction as redlines within the project's working drawings.
- Throughout the project, furnish the contractor with a list of items that were observed and require completion or correction. These shall be revisited as ongoing action items at the weekly progress meetings until satisfactorily addressed.

Material inspection services shall include, but are not limited to, the following:

- Review and approve material submittals and mix designs for proposed pavements.
- Receive from contractor and review the required maintenance and operating instructions, guarantees, bonds, inspection certificates, tests, approvals, etc.
- Make necessary acceptance tests in accordance with the cited requirements and standard methods of FAA, ASTM, AWWA and AASHTO.
- Record all test results on the appropriate forms and prepare a summary and disposition of all testing and materials inspection; and record all deviating tests.
- Observe and evaluate quality control tests made by the contractor either in the field or laboratories located at quarries or pavement batch plants as necessary in accordance with plans and specifications.
- Evaluate and determine the acceptability of substitute materials and/or admixture modifications proposed to the pavement mix designs during construction.
- Monitor contractor's performance of the required quality control tests.
- Immediately bring any non-compliance issues to the attention of the PM, the contractor and Owner.
- Organize, document and provide copies of all test results and make available via the project SharePoint site.

## **SECTION IV POST CONSTRUCTION SERVICES**

### **8.0 Final Inspection and Documentation**

#### **8.1 Final Inspection**

Consultant will schedule and conduct a final inspection with the Airport representatives, the contractor, the CA design team and the FAA to determine whether the project has reached substantial completion and verify that the work is in accordance with the plans and specifications. The consultant will document items found to be deficient and will provide the contractor a listing of those items.

#### **8.2 Final Punch List**

Consultant will prepare a punch list correspondence to include the deficient items and will forward the correspondence to the contractor. It will state the items in need of correction and will request a schedule for completion. The Consultant will send a copy to the Owner and include a copy in the Grant Closeout Report.

#### **8.3 Supplemental Coordination, Inspections and Final Construction Certifications**

Following the final inspection and the development of the final punch list, Mead & Hunt will schedule and coordinate with the contractor and Airport Operations for follow-up access to the work site to complete outstanding items of work. Once all of the punch list items have been completed to the satisfaction of Mead & Hunt, all representatives of the Airport, the CA team and the FAA, a Certification of Construction Acceptance will be prepared for the project. This certification will also be included in the closeout report. All work completed under the project will be subject to a 1 year warranty, and this scope includes time for a follow up inspection with the Owner in the Spring or early Summer of 2016 to confirm the performance of equipment and quality and durability of construction.

### **9.0 As-Built Plans, Equipment Manuals, Materials Book**

#### **9.1 As-Built Plans**

The CM team will collaboratively assemble the project as-built plans in cooperation with the CA design team. The as-built plans will specify field constructed conditions included as part of this project, such as any field surveying required to compute final quantities. Any drawings will become record information. The CM team shall provide the Owner and CA team with a set of scanned, redlined field drawings for development of the final as-built plans in CAD format.

#### **9.2 Equipment Manuals**

Working with the CA design team, the Mead & Hunt team will collaboratively assemble the equipment operation and maintenance manuals for the project. Once the CA team has reviewed and approved that all the pertinent manuals and maintenance information has been supplied, the project equipment manuals will be collected and bound into one document for use by the Airport. The Owner will receive two (2) copies of the bound documents and scanned .pdf files.



### 9.3 Materials Book

The project team will collaboratively assemble the materials quality book for the project. The materials book will include an accounting for all quality acceptance testing performed as part of this project. This will include a summary of passing tests, as well as failing tests and corrective measures taken to in order to achieve satisfactory results. The Owner will receive two (2) copies of these documents.

# Construction Engineering Fee

AIRPORT: General Mitchell International Airport

LOCATION: Milwaukee, WI

PROJECT NO. A158-12009

PROJECT DESCRIPTION: Construction Management - Runway 7R Deice Pad (TYPE C)

PROJECT NUMBER: A158-12009

DATE: 6-Mar-15

REV. NO:

PHASE II - CONSTRUCTION MANAGEMENT		Engineering Fee
6.0	Construction Management	\$142,992.45
	Expenses	\$0.00
	<b>TOTAL PHASE II - CONSTRUCTION MANAGEMENT</b>	<b>\$142,992.45</b>
PHASE III - RESIDENT ENGINEERING (TYPE C CONTRACT)		
7.0	Resident Engineering	\$295,847.50
	Expenses	\$8,875.00
	<b>TOTAL PHASE III - RESIDENT ENGINEERING</b>	<b>\$304,722.50</b>
PHASE IV - POST CONSTRUCTION SERVICES		
8.0	Final Inspection and Documentation	\$12,578.96
9.0	As-Builts, Equipment Manuals, and Materials Book	\$14,080.64
	Expenses	\$0.00
	<b>TOTAL PHASE IV - POST CONSTRUCTION SERVICES</b>	<b>\$26,659.60</b>
<b>TOTAL MEAD &amp; HUNT FEES</b>		<b>\$474,374.55</b>

DIRECT DBE SUB-CONSULTANTS		Fee
	Inspection Assistance & Survey Verification (M-Squared)	\$81,387.12
	Material Testing, Grading & Pavements (SES, Inc.)	\$94,210.29
	Env. Review & Inspection, Material Handling, DNR Coord. (LF Greene)	\$10,000.00
	Other	\$0.00
	Other	\$0.00
	Expenses	\$0.00
<b>TOTAL DIRECT SUB-CONSULTANTS</b>		<b>\$185,597.41</b>

<b>TOTAL ENGINEERING FEES</b>	<b>\$659,971.96</b>
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**PHASE III - RESIDENT ENGINEERING**

Item No.	Project Manager \$146.17	Resident Engineer \$96.16	Materials Inspector \$146.05	Municipal Engineer \$139.53	Electrical Engineer \$91.36	Associate Engineer \$87.00	IT Technician \$80.00	Clerical \$72.11	CAD Technician \$80.00	Total Hours	Cost Summary
7.0 Resident Engineering											
• Field Inspection	50	179	50	10	3	0	0	0	0		
Number of Days											
Hours per Day	5	10	10	10	10	0	0	0	0		
Total Hours	250	1790	500	100	30	0	0	0	0	2670	\$295,847.50
• Provide surveys, inspect contractor surveys	0	0	0	0	0	0	0	0	0	0	\$0.00
• Check construction activities for compliance	0	0	0	0	0	0	0	0	0	0	\$0.00
• Conduct material inspection and acceptance tests	0	0	0	0	0	0	0	0	0	0	\$0.00
• Monitor contractor's quality control tests	0	0	0	0	0	0	0	0	0	0	\$0.00
• Notify contractor/owner - nonconforming materials	0	0	0	0	0	0	0	0	0	0	\$0.00
• Maintain daily construction progress records	0	0	0	0	0	0	0	0	0	0	\$0.00
• Prepare and submit change orders	0	0	0	0	0	0	0	0	0	0	\$0.00
• Evaluate substitute materials and equipment	0	0	0	0	0	0	0	0	0	0	\$0.00
• Furnish Owner and FAA with inspection reports	0	0	0	0	0	0	0	0	0	0	\$0.00
• Review contractor payrolls, drawings, and reports	0	0	0	0	0	0	0	0	0	0	\$0.00
• Acquire and review required contractor submittals	0	0	0	0	0	0	0	0	0	0	\$0.00
• Prepare and submit periodical and final estimates	0	0	0	0	0	0	0	0	0	0	\$0.00
• Conduct inspection for final approval	0	0	0	0	0	0	0	0	0	0	\$0.00
• Coordinate, attend, and document final inspection	0	0	0	0	0	0	0	0	0	0	\$0.00
• Inspect project to monitor for compliance to plans	0	0	0	0	0	0	0	0	0	0	\$0.00
• Monitor Construction Operations and Safety Plan	0	0	0	0	0	0	0	0	0	0	\$0.00
• Conduct weekly construction progress meetings	0	0	0	0	0	0	0	0	0	0	\$0.00
<b>Estimated Total Man-hours</b>	<b>260</b>	<b>1790</b>	<b>600</b>	<b>100</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2670</b>	<b>\$295,847.50</b>
Summary Costs	\$36,292.50	\$170,318.50	\$72,525.00	\$13,953.00	\$2,758.50	\$0.00	\$0.00	\$0.00	\$0.00		

Expenses	Rate	Total Expenses
Auto Rental	\$75.00	\$0.00
Mileage	\$1.00	\$0.00
Lodging and Per Diem	\$100.00	\$0.00
Travel and Airfare Costs	\$600.00	\$0.00
Computer Costs	\$50.00	\$0.00
Nuclear Density Gauge	\$41.00	\$5,125.00
Survey and Inspection Equipment	\$50.00	\$2,500.00
Other	\$50.00	\$0.00
Other	\$50.00	\$0.00
Other	\$50.00	\$0.00
<b>Total Expenses</b>		<b>\$8,875.00</b>

**PHASE III - RESIDENT ENGINEERING TOTAL \$304,722.50**

