

**CITY OF HAMMOND  
HAMMOND NORTHSORE REGIONAL AIRPORT  
AIRFIELD ELECTRICAL IMPROVEMENTS – PHASE I (CONSTRUCTION)**

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Work Authorization for Professional Services

TBD  
(Project Identification No.)

12  
(Work Authorization No.)

It is agreed to undertake the following work in accordance with the provisions of our Master Agreement for Professional Services dated February 5<sup>th</sup>, 2019.

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**Description of Assignment:**

This assignment includes the design of a new airfield generator and bid/construction services for the Airfield Electrical Improvements – Phase 1. Phase 1 includes the replacement of MITL and Signage along Taxiway A (partial), B, C, D, and E. Services include design services for the airfield generator, bidding phase, and construction administration. Construction observation will be included in a future work authorization.

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**Basis of Compensation:**

Basic Services:

The Owner shall compensate the Consultant for Basic Services on a lump sum basis as outlined in Attachment “A” and in the following amounts:

Final Design Phase	\$13,743.06
Bidding Phase	\$7,291.66
Construction Administration	\$30,124.27
<b>TOTAL ALL PHASES</b>	<b>\$51,159.00</b>

Special Services:

- a) Construction Observation Services: To be included in a later Work Authorization.

The Total Estimated Cost for Professional Services related to this Work Authorization including Basic Services and Special Services for the design of the airfield electrical improvements is **\$51,159.00**

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Agreed as to scope of services, time schedule, and budget:

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For: **City of Hammond** /  
**Hammond Northshore Regional Airport**

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For: **Michael Baker International, Inc.**

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Attachment: Exhibit A – Scope of Work

**ATTACHMENT A**  
**COST BREAKDOWN**  
**FOR**  
**HAMMOND NORTSHORE REGIONAL AIRPORT**  
**FAA AIP No. TBD**  
**AIRFIELD ELECTRICAL IMPROVEMENTS - PHASE 1 (CONSTRUCTION)**  
**BASIC SERVICES**

CLASSIFICATION	FINAL DESIGN		BIDDING		CONSTRUCTION ADMINISTRATION		TOTAL	
	HOURS	LABOR	HOURS	LABOR	HOURS	LABOR	HOURS	
<b>DIRECT LABOR</b>								
Principal	\$95.72	0	\$0.00	2	\$191.44	0	\$0.00	2
Sr. Project Manager	\$76.44	24	\$1,834.56	15	\$1,146.60	84	\$6,420.96	123
Engineer	\$64.14	32	\$2,052.48	10	\$641.40	48	\$3,078.72	90
Designer	\$35.36	24	\$848.64	4	\$141.44	4	\$141.44	32
Admin Assistant	\$36.32	0	\$0.00	10	\$363.20	15	\$544.80	25
<b>TOTAL DIRECT LABOR</b>			<b>\$4,735.68</b>		<b>\$2,484.08</b>		<b>\$10,185.92</b>	
<b>AUDITED OVERHEAD</b>	<b>152.35%</b>		<b>\$7,214.81</b>		<b>\$3,784.50</b>		<b>\$15,518.25</b>	
<b>DIRECT EXPENSES</b>								
Mileage (72 miles @\$0.56/mile)	Anticipated trips	0	\$0.00	2	\$82.80	14	\$564.48	\$647.28
Lodging (\$100/day)	Anticipated days	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
Per Diem (\$12.75/day)	Anticipated days	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
Reproduction			\$0.00		\$0.00		\$0.00	\$0.00
Postage			\$0.00		\$0.00		\$0.00	\$0.00
Equipment Rental / Other			\$0.00		\$0.00		\$0.00	\$0.00
Subconsultant(s)								
Geotech (RSA Grading/Drainage)			\$0.00		\$0.00		\$0.00	\$0.00
Admin Fee @ 5%			\$0.00		\$0.00		\$0.00	\$0.00
<b>SUBTOTAL EXPENSES</b>			<b>\$0.00</b>		<b>\$82.80</b>		<b>\$564.48</b>	<b>\$647.28</b>
<b>SUBTOTAL COST</b>			<b>\$11,950.49</b>		<b>\$6,351.38</b>		<b>\$26,268.65</b>	<b>\$44,570.51</b>
PROFIT	15%		\$1,792.57		\$940.29		\$3,855.63	\$6,588.49
<b>TOTAL PROJECT COSTS</b>			<b>\$13,743.06</b>		<b>\$7,291.66</b>		<b>\$30,124.27</b>	<b>\$51,159.00</b>

ATTACHMENT A

HAMMOND NORTSHORE REGIONAL AIRPORT  
 FAA AIP No. TBD  
 AIRFIELD ELECTRICAL IMPROVEMENTS - PHASE 1 (CONSTRUCTION)

MAN HOUR ESTIMATE

**Final Design Services**

<b>Item / Task Description</b>	<b>Principal</b>	<b>Project Manager</b>	<b>Engineer</b>	<b>Designer</b>	<b>Admin Assistant</b>
Continued Coordination with Owner, State, and FAA					
<b>Final Plans (See Detailed Listing of Sheets)</b>	<b>0</b>	<b>12</b>	<b>24</b>	<b>24</b>	<b>0</b>
Develop Quantities and Construction Cost Estimate					
Prepare "Front End" Documents (Notice, Instructions to Bidders, Bid Forms, Contract Forms, General Provisions, Supplementary Conditions, General Specifications )					
Prepare Technical Specifications		8	8		
Prepare & Submit FAA 7460 Form, including Supporting Documents					
Prepare & Submit Project Safety Plans (OE/AAA System), including Supporting Documents					
Prepare and submit 90% Submittal Package					
Prepare for & Conduct 90% Plan Review meeting					
Prepare Engineer's Design Report, including Supporting Exhibits					
Internal Quality Review		4			
Revise, Print, Proof, and Seal Final Version of Bidding Documents, Specs, Plans, & Cost Estimate					
<b>Totals:</b>	<b>0</b>	<b>24</b>	<b>32</b>	<b>24</b>	<b>0</b>

ATTACHMENT A

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AIRFIELD ELECTRICAL IMPROVEMENTS - PHASE 1 (CONSTRUCTION)

MAN HOUR ESTIMATE

Listing of Final Design Plans

<u>Drawing Title</u>	<u>No. of Dwgs.</u>	<u>Principal</u>	<u>Project Manager</u>	<u>Engineer</u>	<u>Designer</u>	<u>Admin Assistant</u>
Cover Sheet	0					
Summary of Quantities and General Notes	0					
Construction Phasing and Safety Plans	0					
Construction Phasing and Safety Plans - Details	0					
Electrical Vault and Generator Layout	1		4	8	8	
Generator Details and Schematics	2		8	16	16	
<b>Totals:</b>	<b>3</b>	<b>0</b>	<b>12</b>	<b>24</b>	<b>24</b>	<b>0</b>

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**MAN HOUR ESTIMATE**

**Bidding Phase Services**

<b>Item / Task Description</b>	<b>Principal</b>	<b>Project Manager</b>	<b>Engineer</b>	<b>Designer</b>	<b>Admin Assistant</b>
Prepare Advertisement for Publication			2		2
Prepare and distribute Issue for Bid construction package.		1	4	4	4
Prepare for & Conduct Pre-Bid Conference	2	4	2		
Coordinate & Investigate Questions from Prospective Bidders/Vendors		2	2		
Prepare Written Addendum , Distribute Addendum to all Plan Holders , & Verify Receipt		2			2
Attend Bid Opening		4			
Review Bids, Prepare Certified Bid Tabulation, & Scan Bids for Archives		2			2
<b>Totals:</b>	<b>2</b>	<b>15</b>	<b>10</b>	<b>4</b>	<b>10</b>

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**MAN HOUR ESTIMATE**

**Construction Phase Services - 150 Calendar Days**

<b>Item / Task Description</b>	<b>Principal</b>	<b>Project Manager</b>	<b>Engineer</b>	<b>Designer</b>	<b>Admin Assistant</b>
Coordination with Airport Staff (Owner)		8			
Coordination with FAA and DOTD		8			
Coordination with Contractor and Sub-Contractors		8			
Attend/Coordinate agenda/minutes from Preconstruction Conference		4	8		2
Receive/Document/Review Material Shop Drawing Submittals		16	16		8
Review Monthly Pay Applications for Payment		5			
Review Monthly DBE Reports and coordinate		5			
Make periodic site visits (10 visits)		20	20		
Prepare Monthly Progress reports		5			5
Attend Final inspection		4			
Prepare Construction Closeout Documents (Including "AS Built" Drawings)		1	4	4	
<b>Totals:</b>	<b>0</b>	<b>84</b>	<b>48</b>	<b>4</b>	<b>15</b>