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**FY 2015 VERTICAL INFRASTRUCTURE PROJECTS
IDOT PROJECT NO. 9I150ALO200
IDOT CONTRACT NO. 16609**

**WATERLOO REGIONAL AIRPORT
WATERLOO, IOWA**

Project Description - See Attachment and incorporated herein.

Scope of Services - See Attachment and incorporated herein.

Compensation

Compensation for Services for this project shall be a cost plus fixed fee not-to-exceed Seventeen Thousand Nine Hundred Dollars (\$17,900.00). See attachment and incorporated herein.

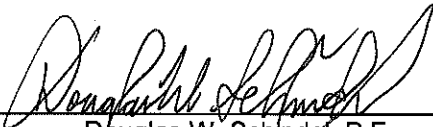
General Conditions

Except as specifically amended by this Individual Project Agreement, Services shall be provided in accordance with the Consultant Services Agreement for the Waterloo Regional Airport, entered between AECOM Technical Services, Inc. ("ATS"), and the City of Waterloo ("Client"), dated April 15, 2014.

APPROVED:
CITY OF WATERLOO, IOWA

APPROVED:
AECOM TECHNICAL SERVICES, INC.

By _____
Ernest G. Clark
Mayor

By  _____
Douglas W. Schindel, P.E.
Associate Vice President

Date _____

Date December 8, 2014

SCOPE OF SERVICES**FY 2015 VERTICAL INFRASTRUCTURE PROJECTS
IDOT PROJECT NO. 91150ALO200
IDOT CONTRACT NO. 16609****WATERLOO REGIONAL AIRPORT
WATERLOO, IOWA****I. Project Description**

The project is described as the projects associated with the Iowa Department of Transportation FY 2015 Vertical Infrastructure Projects. Projects identified in the grant include the following:

1. Upgrade the Emergency Generator for the airport to meet the EPA RICE HESHAP Requirements. The generator that serves the terminal building and airfield lighting does not meet the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. These standards limit emissions of toxic pollutants from the combustion engine. In order to meet these requirements, modifications to the exhaust and the addition of a monitoring system is required.
2. Window Replacement and Exterior Masonry Sealing. The FBO building was constructed in 1981. The windows have deteriorated over the years and some currently leak. This project will replace some of the casement windows in the building, and clean and seal the exterior masonry.
3. Replace Exterior Doors in Terminal Building Bag Makeup Area. The current doors are roll-up steel doors, and the new doors will be more energy-efficient and customer-friendly. The improvements to the electrical system will include motion sensor switches and LED lighting in the bag makeup area.

II. Scope of Services

The work to be performed by the Consultant includes the following tasks:

1. Data Collection and Review. This task consists of the collection of existing data applicable to this project and related to the proposed work site. The record drawings of completed projects and utility information will be compiled as background information for the project. As part of this task, a field survey will be performed to collect dimensional sketches as necessary for the window replacement in the FBO building and the replacement of the exterior doors in the terminal building bag makeup area. The Client shall coordinate with lease holders of FBO so that the Consultant can gain access to these in a timely manner for the purpose of survey, investigation and photographic documentation of the FBO office building windows.
2. Final Design. This task consists of the preparation of the final bid documents for this project, including specifications, drawings (if required) and cost estimates. The final plans and/or specifications will set forth the requirements of the design phase.
3. Final Project Specifications. This task consists of the preparation of specifications for the project. The specifications will be in compliance with current City of

Waterloo and Iowa Department of Transportation requirements in effect at the time the specifications are prepared.

4. Estimate of Probable Construction Cost. This task consists of the preparation of an estimate of construction costs based upon the plans and specifications. This statement of probable construction cost prepared by the Consultant represents the Consultant's best judgment as a design professional at the time the estimate is drawn. It is recognized, however, that neither the Consultant nor the Client has any control over the cost of labor, materials or equipment; over the contractor's method of determining bid prices; or over competitive bidding or market conditions. Accordingly, the Consultant cannot and does not guarantee that bids will not vary from any Statement of Probable Construction Cost or other cost estimates prepared by the Consultant.
5. Quality Review. This task consists of the quality review of work elements on the project. During the course of this project, quality reviews will be conducted by senior technical personnel not directly involved in the project.
6. Bid Assistance. This task consists of assisting the Client in advertising for and receiving bids or quotes, analyzing the bids or quotes received and preparing a recommendation to the Client for award of contract.
7. Bid Document Interpretation. This task consists of answering bid document interpretation questions from bidders, preparing and issuing any required addenda.
8. Resident Review. This task consists of limited on-site construction review at key critical construction operations to observe construction operations to determine compliance with contract documents. Site reviews will be documented in a construction journal. Coordination with airport tenants related to this project will be the responsibility of the Client.
9. Project Administration. This task consists of office administration and coordination of the project. Interoffice meetings, general day-to-day administrative responsibilities, and typing of interoffice memoranda and minutes of meetings are included in this task.

Upgrade Emergency Generator, Replace Windows in FBO Blding & Replace Doors at Bag Makeup

**Waterloo Regional Airport
Waterloo, Iowa**

2015 IDOT Vertical Infrastructure - IDOT Proj. No. 9I150ALO200 - IDOT Cont. No. 16609

Engineering Services

Consultant Cost Summary

I. Direct Labor Cost

<u>Category</u>	<u>Hours</u>	<u>Rate/Hour</u>	<u>Amount</u>	
Senior Professional	28	\$80.00	\$2,240.00	
Project Professional	0	\$53.10	\$0.00	
Staff Professional	40	\$42.20	\$1,688.00	
Professional	0	\$32.00	\$0.00	
CADD Operator II	24	\$31.35	\$752.40	
CADD Operator I	0	\$22.65	\$0.00	
Senior Technician	24	\$33.20	\$796.80	
Technician	0	\$25.25	\$0.00	
Project Support	16	\$28.45	\$455.20	\$5,932.40
	132			

II. Payroll Burden and Overhead Costs 150.00% \$8,898.60

III. Direct Project Expenses

<u>Category</u>	<u>Units</u>	<u>Rate/Unit</u>	<u>Amount</u>	
Mileage	800	0.560	448.00	
Per Diem	0	40.00	0.00	
Lodging	0	80.00	0.00	
B/W Copies	500	0.06	30.00	
Color Copies	200	0.22	44.00	
Plan Copier	100	0.50	50.00	
EDM Equipment	0	12.50	0.00	
GPS Equipment	0	25.00	0.00	
Nuclear Density Guage	0	40.00	0.00	
Miscellaneous, Other			270.00	\$842.00

IV. AECOM Estimated Actual Costs \$15,673.00
Rounded \$15,675.00

V. Subcontract Expense
\$0.00

VI. Estimated Actual Costs \$15,675.00

VII. Fixed Fee (15% of Items I & II) \$2,225.00

VIII. Maximum Amount Payable \$17,900.00

Waterloo Regional Airport
Waterloo, Iowa

2015 IDOT Vertical Infrastructure - IDOT Proj. No. 9I150ALO200 - IDOT Cont. No. 16609

Engineering Services

Staff Hour Estimate

Item No.	Description	Senior Prof	Project Prof	Staff Prof	Prof	CADD Operator II	CADD Operator I	Senior Technician	Technician	Project Support	Totals
1	Data Collection & Review	8									8
2	Project Plans	4		20		24					48
3	Project Specifications	8								12	20
4	Estimate of Construction Cost	2		4							6
5	Quality Review	4									4
6	Bid Assistance			4							4
7	Bid Document Interpretation	2		4							6
8	Resident Review							24			24
9	Construction Administration			8						4	12
	Total Services	28	0	40	0	24	0	24	0	16	132