

STATE OF TEXAS           §  
  §  
COUNTY OF FORT BEND   §

**AMENDMENT TO AGREEMENT FOR  
PROFESSIONAL ENGINEERING SERVICES**

**THIS AMENDMENT**, is made and entered into by and between Fort Bend County (hereinafter "County"), a body corporate and politic under the laws of the State of Texas, and Paradigm Consultants, Inc., (hereinafter "Contractor"), a company authorized to conduct business in the State of Texas.

WHEREAS, the parties executed and accepted that certain Agreement for Professional Engineering Services on June 13, 2017, (hereinafter "Agreement") for Services to be provided under the Fort Bend County 2013 Mobility Bond Program – West Airport Right Turn Lane – Project No. 13411, pursuant to SOQ 14-025; and

WHEREAS, the parties desire to amend the Agreement for additional construction materials testing services to be provided and increase the total Maximum Compensation available to perform the services.

**NOW, THEREFORE**, the parties do mutually agree as follows:

1. County shall pay Contractor an additional eight thousand two hundred twenty-five dollars and 50/100 (\$8,225.50) to render additional Services to County as described in Contractor's Proposal No. P17-167 dated November 29, 2017, attached as Exhibit "A" hereto and incorporated herein for all purposes; and
2. The Maximum Compensation payable to Contractor for all Services rendered under the Agreement and this Amendment is hereby increased to an amount not to exceed fifteen thousand eight hundred fifty-four dollars and 50/100 (\$15,854.50), authorized as follows:  

\$7,629.00 under the Agreement; and  
\$8,225.50 under this Amendment.
3. In no case shall the amount paid by County for all Services under the Agreement and this Amendment exceed the Maximum Compensation without written amendment executed by the parties.

Except as provided herein, all terms and conditions of the Agreement shall remain unchanged.

FORT BEND COUNTY

PARADIGM CONSULTANTS, INC

\_\_\_\_\_  
Robert E. Hebert, County Judge

\_\_\_\_\_  
Authorized Representative – Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Authorized Representative – Name

ATTEST:

\_\_\_\_\_  
Title

\_\_\_\_\_  
Laura Richard, County Clerk

\_\_\_\_\_  
Date

APPROVED:

\_\_\_\_\_  
Richard W. Stolleis, P.E., County Engineer

APPROVED AS TO LEGAL FORM:

\_\_\_\_\_  
Marcus D. Spencer, First Assistant County Attorney

#### AUDITOR'S CERTIFICATE

I hereby certify that funds are available in the amount of \$\_\_\_\_\_ to  
accomplish and pay the obligation of Fort Bend County under this contract.

\_\_\_\_\_  
Robert Ed Sturdivant, County Auditor

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# EXHIBIT A

November 29, 2017  
Proposal No.: P17-167

Mr. Bob Baker  
Othon Consulting Engineers, Inc.  
11111 Wilcrest Green Drive  
Suite 128  
Houston, Texas 77042

**Proposal for Construction Materials Testing Services  
W. Airport At SH6 Right Turn Lane/Glen Lake Drive Cul-de-sac  
(Mobility Project No. 13411) Additional Work  
Fort Bend, Texas**

Dear Mr. Baker:

Paradigm Consultants, Inc., (PCI) appreciates the opportunity to submit this construction materials testing proposal for the additional work on W. Airport At SH6 Right Turn Lane/Glen Lake Drive Cul-de-sac project. This testing proposal presents our scope of services, unit rates and conditions, and estimated cost of services and is based on our review of the project documents provided by RPS Klotz Associates.

**Estimate Cost of Services**

We estimate the cost of services to be \$8,225.50 as shown on the following Description and Estimated Cost of Services. This estimate is based on providing services for soils, concrete and asphalt monitoring, testing and sampling, etc. **THE ACTUAL COST OF SERVICES IS DEPENDENT ON THE SCOPE AND LEVEL OF SERVICES REQUESTED AND THE CONTRACTOR'S SCHEDULE AND EFFICIENCY.**

Soils Monitoring and Testing	\$ 1,360
Concrete Monitoring and Testing	\$ 4,668
Asphalt Monitoring and Testing	\$ 1,657.50
Project Management	\$ 540

**Proposal Acceptance**

If this proposal meets with your approval, please sign and return the *Professional Services Agreement* to our office. Your verbal authorization to begin work indicates your acceptance of the attached *Terms and Conditions for Construction Materials Testing Services*.



Paradigm  
Consultants, Inc.

9980 W. Sam Houston Pkwy S.  
Suite 500  
Houston, Texas 77099

Tel: 713-686-6771

Fax: 713-686-6795

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TBPE Reg. No. F-001478

Mr. Bob Baker  
November 29, 2017  
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**Closing**

We appreciate the opportunity to submit this proposal. If you should have any questions or comments, please do not hesitate to contact me.

Sincerely,  
**Paradigm Consultants, Inc.**

A handwritten signature in black ink, appearing to read 'Ahmed Neamah', is written over a horizontal line.

Ahmed Neamah, EIT  
Project Manager

Enc.      Description of Services  
             Terms & Conditions  
             Estimated Cost of Services

DESCRIPTION AND ESTIMATED COST OF SERVICES  
ADDITIONAL WORK FOR W. AIRPORT AT SH6 RIGHT TURN LANE/GLEN LAKE  
DRIVE CUL-DE-SAC

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**EARTHWORK MONITORING AND TESTING**

Representative samples of utility trench fill(s) and paving subgrade will be obtained and tested in the laboratory for specification compliance and the optimum moisture/maximum dry density relations will be determined. The technician will also perform field density testing of utility trench fill(s) and paving subgrade.

**CONCRETE MONITORING AND TESTING**

**Field Services.** An engineering technician will perform monitoring and testing of the fresh concrete. He will also mold standard test cylinders during the concrete placement and pick up the specimens in the field and deliver to our laboratory to test for strength specification compliance. We will cast a set of four (4) cylinders for every 150 cubic yards of concrete placed each day.

**Laboratory Testing.** One cylinder will be tested at 7 days, two at 28 days and one at 56 days to determine compressive strength. We will provide sample curing and testing in accordance with standard procedures. We will report the test results of cylinders cast in connection with field inspection.

**ASPHALT MONITORING AND TESTING**

An engineering technician will assist the contractor in establishing a rolling pattern for the freshly-placed asphaltic pavement. He will obtain a sample of the delivered asphaltic concrete for laboratory testing to determine specification requirement.

**PROJECT MANAGEMENT**

The project manager will attend progress meetings when testing is a regular topic of discussion and any special meetings that might be required. He will communicate immediately with appropriate project team members if tests or inspections fail to meet specification requirements to assist with an efficient resolution. He will process and submit technical reports to team members in a timely manner.



DESCRIPTION AND ESTIMATED COST OF SERVICES  
 ADDITIONAL WORK FOR W. AIRPORT AT SH6 RIGHT TURN LANE/GLEN LAKE  
 DRIVE CUL-DE-SAC

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Description	Estimated Quantity	Unit	Rate	Amount
<b>Soils Monitoring and Testing (Storm Sewer &amp; Paving Subgrade)</b>				
Field Representative, RT	15	Hour	\$55.00	\$825.00
Field Representative, OT	0	Hour	\$82.50	\$0.00
Nuclear Density Device	5	Trip	\$65.00	\$325.00
Vehicle Charge	3	Trip	\$70.00	\$210.00
<b>Earthwork Subtotal</b>				\$1,360.00
<b>Concrete Monitoring and Testing (Inlet, Wingwall, Paving &amp; Sidewalk)</b>				
Field Representative, RT	54	Hour	\$55.00	\$2,970.00
Field Representative, OT	0	Hour	\$82.50	\$0.00
Compressive Strength Cylinders	36	Each	\$18.00	\$648.00
Vehicle Charge	15	Trip	\$70.00	\$1,050.00
<b>Concrete Subtotal</b>				\$4,668.00
<b>Asphalt Inspection and Testing</b>				
Field Representative, RT	8	Hour	\$55.00	\$440.00
Field Representative, OT	1	Hour	\$82.50	\$82.00
Nuclear Density Device	1	Trip	\$65.00	\$65.00
Vehicle Charge	1	Trip	\$70.00	\$70.00
Extraction/Gradation (TEX 210-F)	2	Each	\$210.00	\$420.00
Specific Gravity (Tex 201F)	2	Each	\$80.00	\$160.00
Maximum Theoretical Specific Gravity	2	Each	\$100.00	\$200.00
HVEEM Stability	2	Set of 3	\$110.00	\$220.00
<b>Asphalt Inspection and Testing Subtotal</b>				\$1,657.50
<b>Project Management</b>				
Project Manager	6	Hour	\$90.00	\$540.00
<b>Project Management Subtotal</b>				\$540.00
<b>TOTAL ESTIMATED TESTING COST</b>				\$8,225.50