

STATE OF TEXAS §
 §
COUNTY OF FORT BEND §

FIRST AMENDMENT TO AGREEMENT FOR
PROFESSIONAL MATERIALS TESTING ENGINEERING SERVICES
MASON ROAD –Project No. 735A&B

THIS FIRST AMENDMENT is made and entered into by and between FORT BEND COUNTY, TEXAS, a public body corporate and politic of the State of Texas acting by and through the Fort Bend County Commissioners Court (hereinafter referred to as “County”) and Aviles Engineering Corporation, (hereinafter referred to as “Engineer,”) authorized to conduct business in the State of Texas.

WITNESSETH

County and Engineer previously entered an Agreement for Professional Materials Testing Engineering Services dated August 13, 2013 (hereinafter referred to as the “Agreement”) for professional construction materials testing services for certain improvements to Mason Road, Segments 2 & 3, located in Fort Bend County, Texas, hereinafter referred to as the “Project.” County and Engineer desire to amend said Agreement as set forth in Engineer’s proposal dated August 15, 2014, attached hereto as Exhibit A and incorporated herein by reference as if set forth verbatim.

NOW, THEREFORE, in consideration of the foregoing, the Agreement between County and Engineer is hereby amended to read:


- A. An additional amount not-to-exceed \$14,993.93 shall be available for additional engineering services provided by Engineer in connection with the Project as described in Exhibit A.
- B. Engineer’s compensation for the Project shall not exceed \$137,395.98, which includes the original scope of work in an amount not-to-exceed \$122,402.05 and the additional services described in Exhibit A.
- C. No additional funding shall be available for services provided under the Agreement without prior written consent of County.
- D. Except as modified herein, the Agreement remains in full force and effect and has not been modified or amended.
- E. If there is a conflict between this First Amendment and the Agreement, the provisions of this Amendment shall prevail.

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EXECUTION


This First Amendment shall become effective upon execution of County.

FORT BEND COUNTY:



Robert E. Hebert, County Judge

8-5-14
Date

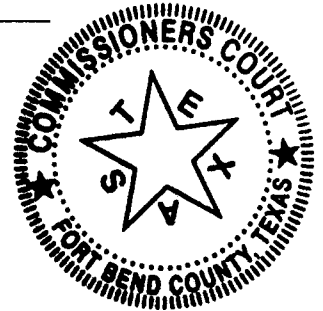
Attest:


Dianne Wilson, County Clerk

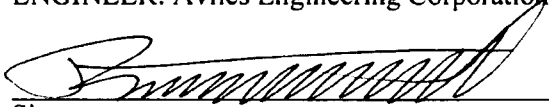
Approved: COUNTY PROJECT MANAGER


Richard W. Stolleis, P.E.,
Fort Bend County Engineer

1/30/14
Date



ENGINEER: Aviles Engineering Corporation


Signature

7-23-14
Date

Printed Name: Ronald E. Ontwerth

Title: Senior Vice President

Attest:

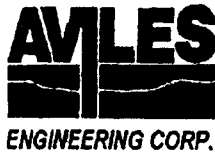


AUDITOR'S CERTIFICATE

I hereby certify that funds are available in the amount of \$137,395.98 to accomplish and pay the obligation of the Fort Bend County under this contract.


Ed Sturdivant, Fort Bend County Auditor

Exhibit A



August 15, 2014

Fort Bend County Engineering
1124 Blume Road
Rosenberg, Texas 77471
Attn: Mr. Nathan Hatcher

RE: Mason Rd - Project No. 735 A & B
Purchase Order No. 106481
AEC File Nos. 187-13 and 209-13

Dear Mr. Hatcher:

Aviles Engineering Corporation (AEC) is requesting Additional Funds to complete the Construction Materials Testing on the above referenced project. The original compensation as indicated in Section II of the "Agreement for Professional Materials Testing Engineering Services - Mason Rd, Project No. 735 A & B" Contract / Work Order is \$122,402.05. AEC is requesting an additional \$14,993.93 to complete the testing. (Please see the Attached Cost Breakdown).

If you have any questions pertaining to this letter, or if we may be of further service, please contact us at your convenience.

Respectfully submitted,
Aviles Engineering Corporation
(TBPE Firm Registration No. F-42)

A handwritten signature in black ink, appearing to read "Ronald E. Ortwerth", is written over the printed name and title.

Ronald E. Ortwerth, P.E.
Senior Vice President

Attachments: Cost Breakdown for Additional Funds

CONSTRUCTION MATERIALS TESTING & INSPECTION
Mason Road Segments 2 and 3

Amount Remaining in the P.O. After May 31, 2014 = \$ (2,556.93)

Mason Road Segment 2 June Billing = \$ 1,656.88

Mason Road Segment 3 June Billing = \$ 4,702.88

Work Remaining After June 30, 2014 (Segment 3)

Soils Inspection

It will include 8" lime stabilized subgrade (application, grading, and densities) for paving. Prior to stabilization of existing soils for paving subgrade, AEC will perform proofrolling inspection. Soil samples will also be obtained for lime determination. Gonzales and AEC estimate five (5) trips for inspection and testing.

<u>Description of Services</u>	<u>Quantity</u>	<u>Unit Fee</u>	<u>Unit</u>	<u>Total</u>
Sr. Engineering Technician (NICET II)	34	\$50.00	hour	\$1,700.00
Sr. Engineering Technician (NICET II) - Overtime	8	\$75.00	hour	\$600.00
Nuclear Density Equipment Rental	22	\$9.00	hour	\$198.00
Vehicle Charge	42	\$7.50	hour	\$315.00
Optimum Lime Content (pH)	1	\$202.00	each	\$202.00
OMD Lime / Cement Stab. Soil, (ASTM D558)	1	\$193.00	each	\$193.00
Atterberg Limits. (ASTM D4318)	4	\$53.00	each	\$212.00
Project Engineer	2.4	\$96.00	hour	\$230.40
Subtotal =				\$3,650.40

Concrete Inspection - Pavement

It will include the one (1) additional concrete pavement and one (1) concrete headwall placement. AEC and Gonzales estimate two (2) trips for concrete inspection and two (2) trips for cylinder pickups. Concrete coring is also to be provided.

<u>Description of Services</u>	<u>Quantity</u>	<u>Unit Fee</u>	<u>Unit</u>	<u>Total</u>
Sr. Engineering Technician (NICET II)	14	\$50.00	hour	\$700.00
Sr. Engineering Technician (NICET II) - Overtime	4	\$75.00	hour	\$300.00
Technician (Non-NICET)	2.5	\$37.00	hour	\$92.50
Technician (Non-NICET) - Overtime	2.5	\$55.50	hour	\$138.75
Vehicle Charge	26	\$7.50	hour	\$195.00
Compressive Str. Cylinder Test, (ASTM C39)	16	\$15.00	each	\$240.00
Concrete Coring (4" Dia, up to 6" Thickness)	18	\$90.00	each	\$1,620.00
Additional Thickness (6" - 12")	36	\$8.00	inch	\$288.00
Measuring Thickness of Concrete Cores	18	\$11.00	each	\$198.00
Project Engineer	1.3	\$96.00	hour	\$124.80
Subtotal =				\$3,897.05

Asphalt Inspection (Transitions)

Asphalt Inspection still needs to be provided. It will include 295 sq. yds of 8" HMAC black base and 270 sq. yds of 2" HMAC surface. AEC estimates two (2) trips and two (2) sets of full asphalt tests.

<u>Description of Services</u>	<u>Quantity</u>	<u>Unit Fee</u>	<u>Unit</u>	<u>Total</u>
Sr. Engineering Technician (NICET II)	16	\$50.00	hour	\$800.00
Sr. Engineering Technician (NICET II) - Overtime	0	\$75.00	hour	\$0.00
Nuclear Density Equipment Rental	16	\$9.00	hour	\$144.00
Vehicle Charge	16	\$7.50	hour	\$120.00
Molding Specimens 3/Set (TEX-206-F)	2	\$54.00	set	\$108.00
Bulk Density - Lab Molded (TEX-207-F)	2	\$46.00	set	\$92.00
HVEEM Stability (TEX-208-F)	2	\$82.00	set	\$164.00
Extraction/Gradation by Ignition (ASTM D 6307)	2	\$145.00	each	\$290.00
Maximum Theoretical Specific Gravity (TEX-227F)	3	\$78.00	each	\$234.00
Project Engineer	1.2	\$96.00	hour	\$115.20
Subtotal =				\$2,067.20

ESTIMATED TOTAL FOR SERVICES AND TESTING = \$9,614.65

Work Remaining After June 30, 2014 (Segment 2)

Concrete Inspection

It will include the one (1) cylinder pick up and concrete coring of the completed pavement (excluding the bridge paving).

<u>Description of Services</u>	<u>Quantity</u>	<u>Unit Fee</u>	<u>Unit</u>	<u>Total</u>
Sr. Engineering Technician (NICET II)	8	\$50.00	hour	\$400.00
Technician (Non-NICET)	2.25	\$37.00	hour	\$83.25
Vehicle Charge (up to 8 hrs)	12	\$7.50	hour	\$90.00
Concrete Coring (4" Dia. up to 6" Thickness)	8	\$90.00	each	\$720.00
Additional Thickness (6" - 12")	16	\$8.00	inch	\$128.00
Measuring Thickness of Concrete Cores	8	\$11.00	each	\$88.00
Project Engineer	0.7	\$96.00	hour	\$67.20
Subtotal =				\$1,576.45

ESTIMATED TOTAL FOR SERVICES AND TESTING = \$1,576.45

ADDITIONAL FUNDS NEED FOR SERVICES AND TESTING FOR SEGMENTS "2" & "3" = \$14,993.93
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