

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 Aviles Engineering Corporation, (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 July 10, 2018, (hereinafter "Agreement") pursuant to SOQ 14-025; and

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

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

1. County shall pay Contractor an additional twenty-three thousand six hundred ninety-eight dollars and 25/100 (\$23,698.25) for the additional engineering services as described in Contractor's proposal dated December 3, 2018 attached hereto as Exhibit "A" and incorporated herein for all purposes.
2. The Maximum Compensation payable to Contractor for Services rendered is hereby increased to an amount not to exceed ninety-three thousand six hundred fifty-seven dollars and 10/100 (\$93,657.10), authorized as follows:
 \$69,958.85 under the Agreement; and
 \$23,698.25 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 further written agreement executed by the parties.

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

FORT BEND COUNTY

AVILES ENGINEERING CORPORATION

KP George, County Judge



Ronald E. Ortwerth, Senior Vice President

Date


2/12/2019

Date

ATTEST:

Laura Richard, County Clerk

APPROVED:



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

APPROVED AS TO LEGAL FORM:

Marcus D. Spencer, First Assistant County Attorney

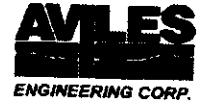
AUDITOR'S CERTIFICATE

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

I:\Marcus\Agreements\Engineering\Road Construction\Crossover Road\Amend 1 - Crossover.CMT.AEC.docx.1/23/2019

EXHIBIT A



CONSTRUCTION MATERIALS TESTING & INSPECTION ADDITIONAL AMOUNT ESTIMATE
Crossover Road Improvements from FM 1463 to Katy Flewellen Rd.
Fort Bend County, Precinct 3
Mobility Project No. 13307

Soils Inspection

Soils Inspection will be provided per the project specifications. Lime flyash 8" stabilized subgrade (10,728 yd²). Prior to stabilization of existing soils for paving subgrade, AEC will perform proofrolling inspection. Samples to determine the moisture density relationships (MDR) and other soil constants will be also obtained. AEC estimates sixteen (16) trips for inspection and testing.

<u>Description of Services</u>	<u>Quantity</u>	<u>Unit Fee</u>	<u>Unit</u>	<u>Total</u>
Engineering Technician	128	\$ 65.00	hour	\$ 8,320.00
Engineering Technician OT	32	\$ 97.50	hour	\$ 3,120.00
Nuclear Density Equipment Rental	160	\$ 10.50	hour	\$ 1,680.00
Vehicle Charge	160	\$ 10.00	hour	\$ 1,600.00
Optimum Lime Content (pH)	0	\$ 235.00	each	\$ -
OMD Lime FA / Cement Stab. Soil, (ASTM D558)	2	\$ 225.00	each	\$ 450.00
OMD Standard Compaction, (ASTM D698)	0	\$ 204.00	each	\$ -
Atterberg Limits, (ASTM D4318)	0	\$ 62.00	each	\$ -
Mech. Sieve through #200	0	\$ 57.00	each	\$ -
Percent Passing #200 Sieve, (ASTM D1140)	0	\$ 48.00	each	\$ -
Compressive Strength of CSS	0	\$ 71.00	each	\$ -
Project Engineer	9	\$ 149.00	hour	\$ 1,341.00
			Subtotal =	\$ 16,511.00

Concrete Inspection

Concrete Inspection will be provided per the project specifications. It will include the inspection and testing of concrete for the 9,758 sq. yds. of 8" pavement, 6,690 ft. of curb and various placements for slope paving, flowable fill and directional islands. AEC estimates seven (7) trips for concrete inspection.

<u>Description of Services</u>	<u>Quantity</u>	<u>Unit Fee</u>	<u>Unit</u>	<u>Total</u>
Engineering Technician	59.25	\$ 65.00	hour	\$ 3,851.25
Engineering Technician OT	6	\$ 97.50	hour	\$ 585.00
Vehicle Charge	65.25	\$ 10.00	hour	\$ 652.50
Compressive Str. Cylinder Test, (ASTM C39)	84	\$ 17.00	each	\$ 1,428.00
Concrete Coring (4" Dia, up to 6" Thickness)	0	\$ 105.00	each	\$ -
Additional Thickness (6" - 12")	0	\$ 9.00	inch	\$ -
Measuring Thickness of Concrete Cores	0	\$ 13.00	each	\$ -
Project Engineer	4.5	\$ 149.00	hour	\$ 670.50
			Subtotal =	\$ 7,187.25

ADDITIONAL AMOUNT ESTIMATED TOTAL FOR SERVICES AND TESTING = \$23,698.25