

STATE OF TEXAS                    §  
   §  
COUNTY OF FORT BEND        §

**SECOND AMENDMENT TO AGREEMENT FOR  
PROFESSIONAL ENGINEERING SERVICES**

**THIS SECOND 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 Kavi Consulting, Inc., (hereinafter “Consultant”), 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 October 27, 2020 pursuant to SOQ 14-025, which was subsequently amended on November 22, 2022, (hereinafter collectively referred to as the “Agreement”); and

WHEREAS, the parties desire to amend the Agreement to allow Consultant to provide additional Services under the Agreement and increase the maximum compensation amount.

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

1. County shall pay Consultant an additional amount not to exceed ninety-one thousand nine hundred sixty-nine dollars and 70/100 (\$91,969.70) to perform the additional Services, as described in Consultant’s proposal dated August 23, 2023, attached hereto as Exhibit “A-2” and incorporated herein for all purposes.
2. The Maximum Compensation payable to Consultant for all Services rendered is hereby increased to an amount not to exceed three hundred fifty-eight thousand three hundred fourteen dollars and 18/100 (\$358,314.18), authorized as follows:
  - \$219,964.48 under the Agreement; and
  - \$ 46,380.00 under the First Amendment; and
  - \$ 91,969.70 under this Second 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 an agreement executed by the parties.
4. The parties hereby agree the Time of Performance under the Agreement shall end no later than December 31, 2026.

5. BY ACCEPTANCE OF AGREEMENT, CONSULTANT ACKNOWLEDGES THAT THE COUNTY IS OPPOSED TO HUMAN TRAFFICKING AND THAT NO COUNTY FUNDS WILL BE USED IN SUPPORT OF SERVICES OR ACTIVITIES THAT VIOLATE HUMAN TRAFFICKING LAWS.

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

IN WITNESS WHEREOF, the parties hereto have signed or have caused their respective names to be signed to multiple counterparts to be effective on the date signed by the final party.

FORT BEND COUNTY

KAVI CONSULTING, INC



\_\_\_\_\_  
KP George, County Judge

\_\_\_\_\_  
Authorized Agent – Signature

\_\_\_\_\_  
Date

Rapolu, Vijaya Kumar  
Authorized Agent – Printed Name

ATTEST:

President  
Title

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

October 11, 2023  
Date

APPROVED:



\_\_\_\_\_  
J. Stacy Slawinski, P.E., County Engineer

#### 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

# EXHIBIT A-2

# Kavi Consulting, Inc.

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August 23, 2023

Kevin Mineo, P.E.  
Sr. Project Manager, BBI  
1710 Seamist Drive  
Houston, Texas 77008

**RE: W. Sycamore Segment 1- Teal West Blvd to Teal Bend Drive**

Dear Mr. Mineo:

Attached please find our fee proposal for the first amendment of W.Sycamore Segment-1 from Teal West Blvd to Teal Bend Drive. Also attached is our level of effort spreadsheet. Our proposed fee for Amendment #2 of the project is \$91,969.70. This will increase our contract value from the original Authorized amount of \$266,344.48 to a new total amount of \$358,314.18.

The increase to the level of effort is due to the County request to change the design of the project from a 48' asphalt roadway with open ditches to a 40' concrete roadway with sidewalk, curb and gutter and closed storm sewer system.

Please call me at 281-772-9643 if you have any questions. We look forward to working with BBI and Fort Bend County on this project.

Sincerely,

*R. Vijaya Kumar*

Vijaya Rapolu, P.E.  
Kavi Consulting, Inc.

Encl:

Scope of Services  
LOE (BBI)  
LOE (KAVI)

1011 Highway 6S, # 307  
Houston TX-77077  
Ph: 281.772.9643

E-Mail: [rapolu.vijaya@kaviconsultinginc.com](mailto:rapolu.vijaya@kaviconsultinginc.com)

## SCOPE OF SERVICES

### W.Sycamore Segment-1 from Teal Bend Blvd to Teal Estates Blvd

#### **SCOPE OF SERVICES**

This scope includes additional design for Preliminary and Final Design Phase per Fort Bend County Design Standards and Manual for W. Sycamore Segment-1 from Teal Bend Blvd to Teal Estates Blvd.

Following are the basic services that will be required for this project:

#### Preliminary and Final Design Phase

The preliminary and final design phase will include the following:

- Preparation of construction plans that include:  
Cover sheet; general notes; index; overall layout; cross sections; drainage area maps, drainage calculations, drainage improvements, P&P drawings; typical sections; traffic control plan; signing and pavement markings; SWPPP; and other applicable details.
- Construction Plans submittals for 70, 95 and 100 percent.
- Coordination with TxDOT, Fort Bend County Drainage District as needed and obtain their approvals if necessary.
- Finalize the preliminary construction cost estimate
- Prepare project manual and combine with signed plans and prepare the CDs and deliver to FBC purchasing and BBI.

#### **SCHEDULE**

The Phase I & II design will take eight weeks (not including County review time).

#### **FEE BREAKDOWN**

The fees for Phase I and Phase II will be paid on a lump sum basis. The following table gives a breakdown of the total fee by phase:

<b>Description</b>	<b>Fee (\$)</b>
Remaining in Contract	121,415.37
Survey (Outstanding)	14,361.53
Survey Parcels Outstanding (Org @3344.63)	10,033.89
BBI	144,647.00
<b>KAVI - Coordination/QA/QC</b>	5,565
<b>KAVI - SPM</b>	4,695
KAVI – SW3P	3,570
KAVI – TCP	5,175

W.Sycamore Segment I  
Fort Bend County-Precinct-1

KAVI – Quantities for SPM/SW3P/TCP	1,440
CPS - Survey	8,897.65
CPS – BBI	10,000
CPS – KAVI	5,000
Sub Total	213,385.07
Expected Contract Amendment	<b>91,969.70</b>

TASK DESCRIPTION	PROJECT MANAGER	ENGINEER SENIOR	ENGINEER (PROJECT)	ENGINEER IN TRAINING	CADD OPERATOR	QUALITY MANAGER	ADMIN CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET	COST PER LINE ITEM
<b>Phase 1 Preliminary Design</b>											
<b>110.1 Data Collection</b>											
Review utility plans								0		N/A	
Revise Drainage Study	6	6	12	12				36			\$ 6,336.00
<b>ROW MAPPINGS</b>											
Parcel Plats (3) - Landtech								0			
Determine & Review Parcel Plats	4		8					12			
Coordinate with PAS for acquisition/appraisal (monthly meetings)											
<b>HOURS SUB-TOTALS</b>	10	6	20	12	0	0	0	48			
<b>CONTRACT RATE PER HOUR</b>	\$290.00	\$190.00	\$161.00	\$127.00	\$142.00	\$258.00	\$92.00				
<b>TOTAL LABOR COSTS</b>	\$2,900.00	\$1,140.00	\$3,220.00	\$1,524.00	\$0.00	\$0.00	\$0.00	\$8,784.00			
<b>% DISTRIBUTION OF STAFFING</b>	20.8%	12.5%	41.7%	25.0%	0.0%	0.0%	0.0%				
<b>SUBTOTAL - FC 102 (110)</b>								<b>\$8,784.00</b>			\$0.00

### FINAL Design (70%, 95% & 100%)

TASK DESCRIPTION	PROJECT MANAGER	ENGINEER SENIOR	ENGINEER (PROJECT)	ENGINEER IN TRAINING	CADD OPERATOR SENIOR	QUALITY MANAGER	ADMIN CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET	COST PER LINE ITEM
<b>FINAL PLAN DEVELOPMENT</b>											
<b>PM/Coordination Tasks</b>											
Coordination with Fort Bend County	8	4						12		N/A	\$ 3,080.00
Coordination with Segment 4	2	4						6			\$ 1,340.00
Coordination with Kavi	4	6						10			\$ 2,300.00
Prepare Monthly Progress Reports (est @ 3 months)	1.5	3						4.5		N/A	\$ 1,005.00
Review Topo by project Surveyor		6						6			\$ 1,140.00
Site Visit	3	3		3				9			\$ 1,434.00
Survey Coordination	2	6	3					11			\$ 2,203.00
<b>General Sheets</b>											
Cover Sheet (to be done by Kavi)								0	1	0	\$ -
Index of Sheets	1	2	4	8	8	1		24	1	24	\$ 3,724.00
General Notes	1	2	4	4	4			11	2	6	\$ 1,746.00
<b>Roadway Design</b>											
Project Layout	1	3	8	8				0			\$ -
Existing Typical sections	1	1	2	2	2			8	1	20	\$ 3,164.00
Proposed Typical sections	1	2	4	4	4			15	1	8	\$ 1,340.00
Horizontal Alignment Data sheets	1	1	2	2				6	1	15	\$ 2,390.00
Removal Layouts (100 scale double banked)	1	2	2	12				17	1	6	\$ 1,056.00
Roadway Plan & Profile sheets (40 scale)	4	12	20	28	32			96	4	17	\$ 2,516.00
Driveway Summary	1	2	4	4	4			15	1	24	\$ 14,760.00
Cross section sheets/Model	2	12	20	16	16			66	7	15	\$ 2,390.00
Traffic Control Plan Narrative (to be done by Kavi)										9	\$ 10,384.00
Traffic Control Plan Sheets and Typical Section (2 phases) (100 scale) (double bank)(to be done by Kavi)											\$ -
Traffic Control Plan Detail Layout (to be used for both phases) (to be done by Kavi)											\$ -
Signing and Striping Plans Layouts (100 scale double banked) (to be done by Kavi)											\$ -
SW3P sheet (100 scale double banked) (to be done by Kavi)	1	4	4	10	10			29	1	29	\$ 4,384.00
Misc Details	1	1	2	2	2			6	1	6	\$ -
Roadway Standards	1	1	2	2	2			6	1	6	\$ 1,086.00
Signing and Striping Standards	1	1	2	2	2			6	1	6	\$ 1,086.00
SW3P Standards	1	1	2	2	2			6	1	6	\$ 1,086.00

TASK DESCRIPTION	PROJECT MANAGER	ENGINEER SENIOR	ENGINEER (PROJECT)	ENGINEER IN TRAINING	CADD OPERATOR	QUALITY MANAGER	ADMIN CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET	COST PER LINE ITEM
<b>Drainage Design</b>											
Overall Drainage map	1	4	8	16				29	1	29	\$ 4,370.00
Drainage Area Layouts	2	6	8	16	8			40	2	20	\$ 6,176.00
Hydraulic Data Sheets	2	4	20	30	8			64	2	32	\$ 9,506.00
Drainage Plan & Profile sheets	4	8	24	44	16			96	4	24	\$ 14,404.00
Drainage Lateral Sheets	1	3	3	8	8			20	1	20	\$ 2,925.00
Drainage Standards	1	2	2		2			7	8	1	\$ 1,276.00
<b>Structure Design</b>											
Junction Box Design	2	10			8			20		#DIV/0!	\$ -
<b>Utility Relocation</b>											
Verify Utility Conflict Table	2	2	4					8	1	8	\$ 1,604.00
Sanitary Sewer adjustments	1	6	12	14	14			47	1	47	\$ 7,128.00
Standards	1	2	2		4			9	2	2	\$ 1,560.00
Pipeline Coordinator for LONO	4	6	8					18		#DIV/0!	\$ 3,588.00
<b>Quantity Calculations</b>											
Removal Quantities	1	2	2	6		1		12		#DIV/0!	\$ -
Roadway Quantities	1	2	4	8		1		16		#DIV/0!	\$ 2,012.00
Drainage Quantities	1	2	4	8		1		16		#DIV/0!	\$ 2,588.00
Signing and Pavement Marking Quantities (to be done by Kavi)											\$ -
SW3P Quantities (to be done by Kavi)											\$ -
<b>Construction Cost Estimate</b>	2	4	12	20				38		#DIV/0!	\$ 5,612.00
<b>Constructability Review</b>						12		0		#DIV/0!	\$ -
								12		#DIV/0!	\$ 3,096.00
<b>HOURS SUB-TOTALS</b>	61.5	138	195	271	154	16	0	635.5	49		\$85,930.00
<b>CONTRACT RATE PER HOUR</b>	\$290.00	\$190.00	\$161.00	\$127.00	\$142.00	\$258.00	\$92.00				
<b>TOTAL LABOR COSTS</b>	\$17,835.00	\$26,220.00	\$31,395.00	\$34,417.00	\$21,868.00	\$4,128.00	\$0.00	\$135,863.00			
<b>% DISTRIBUTION OF STAFFING</b>	7.4%	16.5%	23.3%	32.4%	18.4%	1.9%	0.0%				
<b>SUBTOTAL - FC 102 (110)</b>								<b>\$135,863.00</b>			

<b>Ign Cost</b>	
Binkley & Barfield   DCCM Houston-Engineering Design	\$ 85,930.00
Binkley & Barfield   DCCM College Station-Drainage Report	\$ 6,336.00
Binkley & Barfield   DCCM College Station-Drainage Design	\$ 41,245.00
Binkley & Barfield   DCCM Houston-Utility Design	\$ 8,688.00
Binkley & Barfield   DCCM Houston-ROW Acquisition Coordination	\$ 2,448.00
<b>Total Design Cost</b>	<b>\$ 144,647.00</b>
<b>Construction Services Cost</b>	
Construction Phase Services (hourly)	\$ 10,000.00
<b>Subtotal of Construction Services</b>	<b>\$ 10,000.00</b>
<b>Total Cost</b>	<b>\$ 154,647.00</b>



**PHASE II BASIC SERVICES LEVEL OF EFFORT (LOE) FEE ESTIMATE**

W.Sycamore\_Seg\_1  
KAVI Consulting, Inc.

Date:	08/06/20	Principal / Managing Director	Project Manager	Civil / Project Engineer	Graduate Engineer	Designer / Technician	Admin / Clerical	Total Hours	Total Cost
Revision1:	10/10/2022								
Revision2:	08/03/2023								
	DIRECT LABOR COST	\$ 70	\$ 55	\$ 45	\$ 40	\$ 35	\$ 30		
	HOURLY RATE INCLUDING MULTIPLIER ( 3 )	\$ 210	\$ 165	\$ 135	\$ 120	\$ 105	\$ 90		
<b>COORDINATION, DATA COLLECTION, REVIEW AND APPROVAL</b>									
	Project Meetings (Kick-Off + 3 Meetings @ 3 Hrs Ea. + Meeting Minutes)	0	8	8	0	0	0	16	\$ 2,400
	Internal QA/QC ( Multiple Phase Reviews)	1	2	4	0	4	4	15	\$ 1,860
	FB QA/QC (Multi Phase Reviews)	0	1	4	0	4	2	11	\$ 1,305
	<b>Subtotal Hours</b>	1	11	16	0	8	6	42	
	<b>Subtotal Fee</b>	\$ 210	\$ 1,815	\$ 2,160	\$ -	\$ 840	\$ 540		\$ 5,565
<b>STANDARD DETAILS</b>									
	Special Details	0	1	2	0	4	0	7	\$ 855
	Signing and Pavement Markings	2	4	8	0	16	0	30	\$ 3,840
	<b>Subtotal Hours</b>	2	5	10	0	20	0	37	
	<b>Subtotal Fee</b>	\$ 420	\$ 825	\$ 1,350	\$ -	\$ 2,100	\$ -		\$ 4,695
<b>DESIGN SERVICES</b>									
	Traffic Control Plan	2	4	6	12	8	4	36	\$ 4,530
	Traffic Control Plan Details	0	1	2	0	2	0	5	\$ 645
	Storm Water Pollution Prevention Planv(SWPPP)	2	2	4	12	8	0	28	\$ 3,570
	SWPPP Details	0	1	2	0	2	0	5	\$ 645
	<b>Subtotal Hours</b>	4	8	14	24	20	4	74	
	<b>Subtotal Fee</b>	\$ 840	\$ 1,320	\$ 1,890	\$ 5,040	\$ 2,100	\$ 840		\$ 12,030
<b>DESIGN - PROJECT MANUAL (70%, 95%, &amp; 100%)</b>									
	Sheet by Sheet Quantity Take-off and Cost Estimate	1	2	4	0	0	4	11	\$ 1,440
	<b>Subtotal Hours</b>	1	2	4	0	0	4	11	
	<b>Subtotal Fee</b>	\$ 210	\$ 330	\$ 540	\$ -	\$ -	\$ 360		\$ 1,440

