

STATE OF TEXAS §
 §
COUNTY OF FORT BEND §

**SECOND AMENDMENT TO PROFESSIONAL ENGINEERING SERVICES AGREEMENT
PROJECT NO. X-18 FRONT STREET IMPROVEMENTS / PROJECT NO. 747 – WILLIAMS WAY**

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 Lippke, Cartwright & Roberts, Inc., (hereinafter "Engineer"), 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 May 24, 2011, (hereinafter "Agreement"); as amended by document dated September 1, 2015, (hereinafter "Amendment"); and

WHEREAS, the parties desire to further amend the Agreement to include additional services to be provided by Engineer.

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

1. Services to be rendered under the Agreement shall be amended to add change in design of Traffic Signal System to Mast Arms, as described in the Proposal dated September 15, 2016 (as revised on October 24, 2016), attached hereto as Exhibit A and incorporated herein for purposes.
2. County shall pay Engineer an additional twenty-four thousand three hundred fifty-four dollars and no/100 (\$24,354.00), for the additional services to be rendered under this Second Amendment.
3. The Maximum Compensation payable to Engineer for Services to be rendered is hereby increased to an amount not to exceed three hundred sixty-eight thousand eight hundred fifty-nine dollars and no/100 (\$368,859.00), allocated as follows:
 - A. \$260,000.00 under the Agreement
 - B. \$84,505.00 under the Amendment; and
 - C. \$24,354.00 under this Second Amendment.
4. In no case shall the amount paid by County for all Services under the Agreement, the Amendment and this Second Amendment exceed the Maximum Compensation without a written agreement signed by the parties.

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

FORT BEND COUNTY

LIPPKE, CARTWRIGHT & ROBERTS, INC

Robert E. Hebert, County Judge

~~Paul Lippke, President~~

Cliff Park

Cliff Park, Vice President

Date

Date

12-27-2016

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\Williams Way\Amend 2 - PE Svcs.Williams Way.LCR.docx

EXHIBIT A



LIPPKE CARTWRIGHT & ROBERTS

C O N S U L T I N G E N G I N E E R S

September 15, 2016 (R'v'd Oct 24, 2016)

Mark Dessens, PE
SPI Engineering Inc.
11,767 Katy Frwy. #900
Houston. TX. 77079. 281 920 0487

Re: Front Street Ext Proj (FBC 747). Change Design of Traffic Signal system to Mast Arms with black powder coating. FM 762 and Austin Street, City of Richmond. LCR # 404-0005.

Dear Mr. Dessens:

As requested we have researched the work needed to switch from strain poles to mast arm traffic poles. The plans were essentially complete before this request was received in August 2016, and the strain pole plans were being reviewed by TxDOT at the time.

The sign plans submitted in December 2015 showed seven small signs mounted overhead on span wires, these will have to go elsewhere in the already congested intersection.

There is a chance that the foundations will be enlarged and that could impact the waterline adjustment which is already in very tight ROW.

We will have to go back to TxDOT again and seek their approval for the changes.

Shop drawing review is tighter for this type of construction and cannot be finalized until the foundations are actually set. If the shafts are out of place due to utility, ROW or other common field issues the signal heads may not sit properly over the turn lanes if the mast arms are fabricated too early. So meticulous checking of paper shop drawings is preferable to re-cutting and welding structural steel.

Our fee for this re design and all the ancillary items required to bring it to a successful conclusion is \$24,354.00.

The estimated construction cost for mast arms, powder coating, signs, and miscellaneous items will be \$250,000.00 based on current bid price indices.

Thank You

Cliff Park
Sr. Project Manager

L:\RANSOM EXT to FM762\01 Admin\Progress Reports\VL2_MD_Trif_Sgnl_Mst_Arm_Fee_Sept_2016.docx

LCR FRONT ST/FM 762. MAST ARM SIGNAL CHANGE Fee Est. October 22, 2016**HOURLY RATES**

Worker	\$/Hr Bs	\$/Hr OHP
Principal	80.00	223.36
Eng	70.00	195.44
CAD	55.00	153.56

Color code of 3 Firms

LCR Inc.	ASV CG	TEAM
----------	--------	------

A. Refresh survey, map ROW, and Signal Warrant.

						SUB
1	Survey: Topo & ROW	TEAM Engineering & Mapping Service.				0
2	Geotech	GET				0
3	Plan revisions	ASV Consulting Group.				6,500
	SUBTOTAL					6,500
Total PER closure and New ROW metes & bounds						6,500

B. Detailed Design

		RESPONSIBLE PARTY				
		PPL	ENG	CAD	LCR Inc.	SUB
4	Typ Sections	0	1	1	349	
5	Roadway P&Ps & Intersection	0	1	2	503	
6	KZM Conversion	0	1	14	2,345	
7	Utilities adj plans	0	1	2	503	
8	Storm sewer PP	0	1	2	503	
9	Ped Elements, Sidewalks	0	1	2	503	
10	Signs & Striping	0	6	16	3,630	
11	Standard Sheets		0	2	307	
12	Construction Cost Estimate	0	2	4	1,005	
13	TxDOT Review & Comments		2	4	1,005	
14	Standard Specs. TxDOT	0	1	2	503	
15	AFA Information	1	2	2	921	
16	Reproductions, Direct Costs				250	
17	Mileage				112	
	SUBTOTAL	1	19	53	12,437	LCR Inc.

SUBS

17	Traffic signal at Austin St.	ASV CG.					ASV CG
----	------------------------------	---------	--	--	--	--	--------

Total Detailed Design**12,437****0****C. Construction Phase Services**

		SUB	PPL	ENG	CAD	LCRUS	SUB
18	Prepare Project Manual					0	
19	Attend Pre-bid w/CDs					0	
20	Review Shop drawings & Field surveys			4	8	2,010	
21	Address RFIs			4	8	2,010	
22	Site Visits		0	4	4	1,396	

SUBS

28	Traffic signal at Austin St.	ASV CG.					ASV CG
----	------------------------------	---------	--	--	--	--	--------

Total Bidding and CPS**0****12****20****5,416****5,416****GRAND TOTAL FEES****17,854****6,500****24,354**

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY CERTIFICATION OF FILING

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

Lippke Cartwright & Roberts
Houston, TX United States

Certificate Number:
2016-148941

Date Filed:
12/27/2016

Date Acknowledged:

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Fort Bend County, Engineering, 4th Flr, 301 Jackson St, Richmond, Tx 77469

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

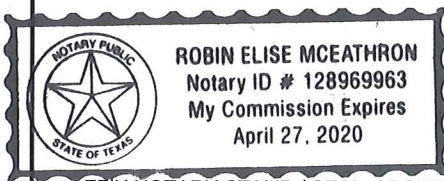
Front St, Project No. 747
Professional Engineering Services

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary
	Lippke, Paul	Houston, TX United States	X	

5 Check only if there is NO Interested Party. ☐

6 AFFIDAVIT

I swear, or affirm, under penalty of perjury, that the above disclosure is true and correct.



AFFIX NOTARY STAMP / SEAL ABOVE

Clark, V.P.
Signature of authorized agent of contracting business entity

Sworn to and subscribed before me, by the said Cliff Park, this the 27 day of December 2016, to certify which, witness my hand and seal of office.

Robin Elise McEathron Robin Elise McEathron Notary Public
Signature of officer administering oath Printed name of officer administering oath Title of officer administering oath