

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 CP&Y, 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 May 22, 2018 pursuant to SOQ 14-025, (hereinafter "Agreement"); and

WHEREAS, the parties desire to amend the Agreement to allow Contractor to provide additional Services under the Agreement.

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

1. County shall pay Contractor an additional amount not to exceed six thousand seven hundred two dollars and no/100 (\$6,702.00) to perform the additional Services, as described in Contractor's Scope of Services and Deliverable Documents attached hereto as Exhibit "A" and incorporated herein for all purposes.
2. The Maximum Compensation payable to Contractor for all Services rendered is hereby increased to an amount not to exceed one hundred sixty thousand five hundred ninety-five dollars and 00/100 (\$160,595.00), authorized as follows:  
                          \$153,893.00 under the Agreement; and  
                          \$6,702.00 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 an agreement executed by the parties.

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

CP&Y, INC

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

David Hays  
\_\_\_\_\_  
David Hays, Chief Financial Officer

\_\_\_\_\_  
Date

3/21/2019  
\_\_\_\_\_  
Date

ATTEST:

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

APPROVED:

Richard W. Stolleis  
\_\_\_\_\_  
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

**EXHIBIT A1**  
**SCOPE OF SERVICES AND DELIVERABLE DOCUMENTS**

**1. PROJECT DESCRIPTION**

CP&Y, Inc. (ENGINEER) and its sub-consultants will provide additional professional engineering services to Fort Bend County (County) for the extension of Avenue J in Beasley, Texas including the construction of an asphalt roadway from First Street to IH-69 frontage road, for a length approximately 1,950 feet (previously 1,500 feet). Additional project length is required to tie in to acceptable location along IH 69 frontage road.

The services for the additional project length are detailed below.

**2. BASE SCOPE OF DESIGN PHASE SERVICES**

**2.2 PRELIMINARY DESIGN**

**2.2.1 Project Surveying:**

The ENGINEER will perform additional topographic survey for the project corridor for a length approximately 900 feet, to include the following:

a. **Project Control:**

- Horizontal control will be established on site based upon GPS observation utilizing the TxDOT RTN network.
- Horizontal control will be based upon the Texas Coordinate System of 1983 South Central Zone.
- Vertical data will be based upon the North American Vertical Datum of 1988 utilizing available NGS bench marks.
- Survey control drawing will be prepared at a scale of 1"=100'.
- Drawings will be revised for the additional project length to the TSPS Standards and Specifications for a Category 1A Condition II Survey, full size and 1/2 size signed and sealed drawings will be provided.

b. **Topographic Survey:**

- Topographic data will be acquired at +/- 100 grid intervals and at all grade breaks.
- Locate all visible and marked utilities.
- Measure all manhole and inlet inverts within the project limits as identified on the attached exhibit.

c. **Right-of-Way Map:**

- Prepare revised Right-of-Way Maps depicting existing and proposed rights-of-way for the project. Right-of-way maps will be prepared at a scale of 1"= 20'.

**2.2.4 Preliminary Geometric Layout (30% Design):**

- a. The ENGINEER will develop additional preliminary project alignment plan and profile sheets for the project. Minor horizontal alignment alternatives shall be considered to provide an optimal design. The preliminary plans shall show the proposed project centerline/alignment including Station PC, PTs, and proposed right-of-way (ROW) limits based on the proposed roadway typical section and anticipated cross slopes.

#### **2.4 FINAL DESIGN:**

Final design services shall include necessary engineering services for preparation of plans and specifications for the project. The ENGINEER will provide the County the necessary final engineering services (design, meetings, coordination, etc.) for the design of the planned improvements.

- 2.4.4 The ENGINEER will provide additional Plan and Profile sheets for the required project length.



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Fax: 713.777.5976  
[www.jonescarter.com](http://www.jonescarter.com)

December 6, 2018

Mr. Brian A. Jones, P.E.  
Project Manager  
CP&Y, Inc.  
11757 Katy Freeway, Suite 1540  
Houston, TX 77079  
[bjones@cpyi.com](mailto:bjones@cpyi.com)

Re: Avenue J Extension (Beasley)

Dear Mr. Jones,

Thank you for considering this proposal for Surveying Services on the above referenced project. Our understanding is CP&Y, Inc. requires additional topographic information to extend Avenue J in Beasley to adjoin the existing Pilot Truck stop and tie into U. S. 59 (I-69). Based on our project understanding we have prepared the following scope of services and fee proposal for your consideration.

**Project Control:**

- Horizontal control will be established on site based upon GPS observations.
- Horizontal control will be based upon the Texas Coordinate System of 1983, South Central Zone.
- Vertical data will be based upon the North American Vertical Datum of 1988 utilizing available NGS bench marks.

**Topographic Survey:**

- Topographic data will be acquired at +/- 100' grid intervals including all grade breaks and major changes within the project area through the subject tract to U. S. 59.
- We will locate all visible utilities and significant surface features within the project area.
- Prepare Topographic map for the project.
- Topographic map will be prepared at a scale of 1" = 20'.

**Deliverables:**

- We will provide a 2D – DGN file for planimetric, 3-D DGN file of the grade break lines, an ASCII Points file of points used for creating the TIN, GeoPak file and a \*.dat file. Plots of the triangles, shaded areas and 0.2 foot contours for QA/QC checks will be provided upon request.
- CAD files for the topographic survey will be provided in Microstation format.



Mr. Brian A. Jones  
December 6, 2018  
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These services can be completed for a Lump Sum fee of \$3,944.00. A Level of Effort worksheet is attached. The Topographic Survey can be completed within forty-five (45) days upon receipt of your written authorization to proceed.

Again Mr. Jones, thank you for considering this proposal. If these terms are agreeable, please indicate by signing in the space provided below. We look forward to working with you on this project.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Chris D. Kalkomey'.

Chris D. Kalkomey  
Registered Professional Land Surveyor  
No. 5869

CDK/mon  
E:\Surveying\proposals\CP&Y Engineering estimate\_Avenue J additional topo.docx  
Enclosure

**APPROVED BY:**

Lump Sum fee of \$3,944.00

\_\_\_\_\_  
Signature of Authorization

\_\_\_\_\_  
Print Name and Title

\_\_\_\_\_  
Date

PRIME PROVIDER NAME: CP&Y, INC.  
 PROJECT NAME: AVENUE J EXTENSION  
 PROJECT NO.: 1-15

EXHIBIT B1  
 SUMMARY OF COMPENSATION FOR PROFESSIONAL SERVICES  
 METHOD OF PAYMENT: LUMP SUM

TASK DESCRIPTION	PROJECT MANAGER	PROJECT ENGINEER	STAFF ENGINEER	SR. CAD/D/ DESIGNER	GRADUATE ENGINEER (EIT)	CADD/ DESIGNER	CLERICAL/ ADMIN	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET	COST PER TASK
<b>2. BASE SCOPE OF DESIGN PHASE SERVICES</b>											
2.2 PRELIMINARY DESIGN											
2.2.1 PROJECT SURVEYING											
a. PROJECT CONTROL											
b. TOPOGRAPHIC SURVEY											
c. ROW MAPPING											
2.2.4 PRELIM GEOMETRIC LAYOUT											
a. PRELIM PLAN & PROFILE SHEETS		1	2	2	4	4		13	1	13	\$1,701.00
2.4 FINAL DESIGN											
2.4.6 ROADWAY PLANS		1			4	1		8	1	8	\$1,057.00
HOURS SUB-TOTALS	0	2	2	4	8	5	0	21	3		
CONTRACT RATE PER HOUR	\$194.00	\$163.00	\$139.00	\$136.00	\$125.00	\$122.00	\$80.00				
TOTAL LABOR COSTS	\$0.00	\$326.00	\$278.00	\$544.00	\$1,000.00	\$610.00	\$0.00	\$2,758.00			
<b>TOTAL BASE SCOPE OF DESIGN PHASE SERVICES</b>											<b>\$6,702.00</b>

**Jones and Carter, Inc.                      Level of Effort for Avenue J (Beasley) Road Project from I-69 to Spur 541**  
**October 5, 2018                      Additional topographic surveying**

Task:	General Description	Hourly Rates:							Lump Sum Fee	Total Hours	Total Cost
		2-Man Field Crew	3-Man Field Crew	Survey Tech 2	Project Surveyor 4	RPLS	CAD Operator 5	Admin IV			
Deed Research	Research deeds & easements of adjoiningers & roadway	\$160.00	\$195.00	\$75.00	\$108.00	\$175.00	\$87.00	\$90.00			N/A
Deed Plot	Plot deeds, easements and existing rights-of-way										N/A
Right-of-Entry	Letters to land owners per tax rolls										N/A
Control	Establish 4 permanent control monuments Temporary benchmarks at ± 1,000 foot intervals Prepare 8 1/2 x 11 control sheets	5			1	1				7	\$1,083.00
Topographic Survey	Gather field data Provide plan view in Microstation format at 1"=20' scale Provide DTM in Geopak	10			2	1	8			21	\$2,687.00
Right-of-Way Map for existing and proposed right-of-way							2			2	\$174.00
Meters & Bounds and survey for parcels	Estimated 1 parcel at \$2,500.00 per parcel										N/A
Total Hours:		15			3	2	10			30	
Total Cost:		\$2,400.00			\$324.00	\$350.00	\$870.00				\$3,944.00