

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 CivilTech Engineering, 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, (hereinafter “Agreement”) pursuant to SOQ 14-025, as amended by document executed on April 23, 2019, (hereinafter “Amendment”); and

WHEREAS, the parties desire to further amend the Agreement for additional services to be provided and increase the total Maximum Compensation for the completion of such additional services.

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

1. County shall pay Contractor an additional fifty-five thousand nine hundred eighty-five dollars and 00/100 (\$55,985.00) to perform additional engineering services as described in Contractor’s proposal dated June 25, 2020 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 five hundred eighty-two thousand one hundred two dollars and 00/100 (\$582,102.00), authorized as follows:
 - \$467,777.00 under the Agreement;
 - \$58,340.00 under the Amendment; and
 - \$55,985.00 under this Amendment.
3. In no case shall the amount paid by County for all Services under the Agreement and any subsequently executed amendment exceed the Maximum Compensation without written agreement executed by both parties.
4. BY ACCEPTANCE OF AGREEMENT, CONTRACTOR 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 and the Amendment shall remain unchanged.

FORT BEND COUNTY

CIVILTECH ENGINEERING, INC

KP George, County Judge



Authorized Agent – Signature

Date

Paul M Baxter, P.E.

Authorized Agent – Printed Name

ATTEST:

Vice President

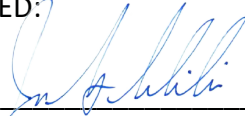
Title

Laura Richard, County Clerk

July 24, 2020

Date

APPROVED:



J. Stacy Slawinski, 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\Peek\17307\Amend 2 - Pro Eng Svcs.PEEK - Seg 1.CEI.docx.7/23/2020.18-Eng-500031-A2

EXHIBIT A

CivilTech Engineering, Inc.

Civil Engineering
Water Resources
Transportation
Structures
Economic Analysis
GIS

June 25, 2020

Mr. Mark Dessens, PE
Schaumburg & Polk, Inc.
11767 Katy Freeway, Suite 900
Houston, TX 77079

Re: Professional Engineering Services Proposal
Peek Road – Segment 1
Temporary Drainage Channel Re-Design
Ft. Bend County, Precinct 3

Mr. Dessens,

We are pleased to submit the following proposal to provide Professional Engineering Services for the design of Peek Road – Segment 1 Temporary Drainage Channel Re-Design in Ft. Bend County, Precinct 3.

The temporary drainage channel was initially designed to accommodate the private developers land plan. After the initial design of the temporary drainage channel, there was a re-design to avoid major utility relocations. We finally received responses and comments from the private developer, and another re-design will be needed. Attached are our proposed scope of services, professional engineering services compensation, and manhour breakdown to provide these additional re-design services.

Please review the attached documents and let us know if you have any comments, questions, or require any additional information. We look forward to working with you and Ft. Bend County on this important project.

Respectfully,
CIVILTECH ENGINEERING, INC.



Paul M. Baxter, P.E.
Vice President - Transportation

SCOPE OF SERVICES Peek Road Segment 1 – Temporary Drainage Channel Re-Design

CivilTech Engineering, Inc., (CivilTech) as the lead Design Consultant, will be responsible for the overall project management, technical accuracy and design schedule. Mr. Paul M. Baxter, PE will serve as the Project Manager and will be County's and/or its Project Manager's primary contact through completion of the identified scope of services.

SCOPE OF WORK

Peek Road Segment 1 will be constructed as a four-lane concrete roadway with a divided median and underground storm sewer from the Grand Parkway (SH 99), north to Beechnut Road; a length of approximately 2,650 feet in northern Ft. Bend County, Precinct 3. The proposed Peek Road Segment 1 project is within a future private development, and the proposed storm sewer systems will outfall at a location that will be a future detention pond. The detention pond is a portion of the development's overall mitigation system. The mitigation system is planned to outfall to an existing detention pond along Beechnut Road in MUD 123. A temporary drainage channel will be designed and constructed to provide an outfall from the Peek Road Segment 1 storm sewer systems to the existing pond along Beechnut Road. The proposed temporary channel will be approximately 4,800 ft in length, will be sized to provide interim mitigation for the Peek Road Segment 1 improvements, and a proposed outfall into the detention pond along Beechnut Road will be constructed. The scope for the design of the temporary drainage channel will include:

- Design channel alignment along existing utility easement and property boundary
- Size channel for runoff conveyance and required interim detention volume
- Construct temporary drainage culvert crossing the existing utility easement
- Construct the ultimate outfall into existing detention pond along Beechnut Road (operated by MUD 123)
- Prepare construction plans for the temporary channel to be included in Peek Road Segment 1 Bid Package.

A Category 6, Condition II Topographic field survey will be conducted to support the design of the temporary channel and drainage structures. The topographic survey will provide sufficient details of existing features to support the design and include quality Level B SUE to locate a large diameter waterline and gas pipeline. All necessary rights of entry (ROE) will be obtained from the private landowners using request letters that are approved by the County and/or its Project Manager.

Category 1A, Condition II right-of-way mapping will be provided for a temporary easement for the construction and maintenance of the temporary drainage channel through the private development property. A map and meets and bounds descriptions for the easements will be prepared.

BASIC PROFESSIONAL SERVICES

The Engineer shall render the following professional services in connection with the Project:

I. DESIGN SERVICES

All Design Services shall be paid for in a Single Lump Sum. Upon receiving written authorization to proceed with the Preliminary Design Services, the Design Consultant shall:

- a. Revise alignment of the temporary drainage channel
- b. Revise design of the temporary drainage channel, identifying the required easement.
- c. Revise final designs, drawings, and specifications for the temporary drainage channel to be included in the roadway bid package. The following drawings will be revised:
 - Project Layout Sheets (2)
 - Horizontal Alignment Data Sheet (1)
 - Removal Plans – Temporary Channel (3)
 - Plan & Profile – Roadway (2)
 - Plan & Profile – Temporary Channel (5)
 - Storm Sewer Summary (1)
 - Storm Water Pollution Prevention Plan – Roadway (1)
 - Storm Water Pollution Prevention Plan – Temporary Channel (3)
 - Channel Cross Sections (12)
 - Channel Earthwork Summary (1)

SURVEYING SERVICES

I. LAND SURVEYING SERVICES

The Land Surveying Services will the necessary rights of entry (ROE) from the private landowners using request letters that are approved by the County and/or its Project Manager.

A. Easement Exhibit and Description for Drainage Channel

Prepare an exhibit and description for acquisition of an easement along the proposed temporary drainage channel. Exhibit and description will be certified by a Texas Registered Professional Land Surveyor.

B. CenterPoint Energy Grants to Others Exhibit

Prepare One (1) Exhibit and one (1) revision for use in a Grants to Others application to CenterPoint Energy. The Engineer to prepare the required plan and profile drawing of proposed improvements for inclusion in the application. Application and submittal to be completed by the County or their Project Manager.

C. Designation / Location of Pipelines

Perform two (2) Quality Level-A Test Hole Utility Designation to determine the exact depth and location of an 18-inch Atmos Pipeline and a 30-inch Dow Pipeline near the outfall of the proposed temporary channel near Beechnut Road.

Compensation for Professional Services
Project Name: Peek Road - Segment 1
Project Limits: Temporary Drainage Channel Re-Design

1	Preliminary Design Services		
2	Final Design Services		\$46,440.00
3	Bid & Construction Phase Services		
4	Survey Services		
	Temporary Easement Documentation	\$	3,465.00
	Grant to Others Application	\$	2,185.00
	Level A SUE Testholes (2)	\$	3,895.00
			\$9,545.00
5	Geotechnical Investigations		
6	Drainage Impact & Mitigation Analysis		
7	Traffic Study		
Subtotal Basic Services (1-7):			\$55,985.00
8	*Optional Additional Services including, but not limited to		
Subtotal Optional Additional Services(8):			\$0.00
TOTAL SERVICES (BASIC & OPTIONAL ADDITIONAL)			\$55,985.00

PEEK ROAD - SEGMENT 1: TEMPORARY DRAINAGE CHANNEL REDESIGN- MANHOUR & FEE ESTIMATE

TASK NO.	TASK DESCRIPTION	TOTAL MANHOURS PER WORK TASK BY STAFF CLASSIFICATION								TOTAL MHS PER WORK TASK	ESTIMATED PLAN SHEET REQUIREMENTS		MANHOUR PER SHET	TOTAL COSTS PER WORK TASK
		1 SENIOR PROJ MGR.	2 SENIOR PROJ ENGR.	3 PROJ ENGR	4 ASST ENGR	5 SR DESIGN TECH	6 CADD OPERATOR	7 ADMIN	8 CLERICAL		QNTY	SCALE		
PLAN PRODUCTION														
1	PROJECT LAYOUT SHEETS		2	2		4			8		2	1"=200'	8	\$ 1,900.00
2	HORIZONTAL ALIGNMENT DATA					2			2		1	N/A	4	\$ 410.00
3	REMOVAL PLAN - TEMPORARY CHANNEL		2	2	2	8			24		3	1"=100'	12	\$ 3,620.00
4	PLAN & PROFILE - ROADWAY		4	4	4	12			16		2	1"=40'	18	\$ 4,320.00
5	PLAN & PROFILE - TEMPORARY CHANNEL		4	4	4	20			48		5	1"=100'	15	\$ 7,760.00
6	STORM SEWER SUMMARY					4			4		1	N/A	4	\$ 520.00
7	STORM WATER POLLUTION PREVENTION PLAN - ROADWAY		2	2	2	2			4		1	1"=100'	10	\$ 1,340.00
8	STORM WATER POLLUTION PREVENTION PLAN - TEMPORARY CHANNEL		2	2	2	12			20		3	1"=100'	12	\$ 3,840.00
9	CHANNEL CROSS SECTIONS		2	2	2	16			24		5	1"=10'/1"=5'	9	\$ 4,660.00
10	CHANNEL EARTHWORK SUMMARY		2	2	2	4			6		1	N/A	14	\$ 1,750.00
			20	20	20	84			152		24		14	\$ 30,120.00
SUBTOTAL PLAN PRODUCTION - MANHOURS														
PROJECT MGMT & DESIGN TASKS														
9	QA/QC & COORDINATION		16											\$ 4,000.00
10	CHANNEL RE-DESIGN		4	4	12	16								\$ 4,920.00
10	STORM SEWER REDESIGN		4	4	4	8								\$ 2,600.00
11	QUANTITY AND EARTHWORK REVISIONS		4	4	8	20								\$ 4,800.00
			16	12	24	44					96			\$ 16,320.00
SUBTOTAL PROJECT MGMT & DESIGN TASKS														
													\$ 46,440.00	
TOTAL FINAL DESIGN PHASE														