

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 EnTech Civil Engineers, 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 June 22, 2021 pursuant to SOQ 14-025, and as amended on or about February 28, 2023 (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 twenty-nine thousand nine hundred twelve dollars and no/100 (\$29,912.00) to perform the additional Services, as described in Contractor’s proposal 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 six hundred thirty-three thousand nine hundred fifty-two dollars and no/100 (\$633,952.00), authorized as follows:

\$422,245.00 under the Agreement;
\$181,795.00 under the Amendment; and

\$29,912.00 under this Second Amendment.
3. In no case shall the amount paid by County for all Services under the Agreement and this Second Amendment exceed the Maximum Compensation without an agreement executed by the 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 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

ENTECH CIVIL ENGINEERS, INC

KP George, County Judge



Authorized Agent – Signature

Date

Ovidio N. Alanis

Authorized Agent – Printed Name

ATTEST:

Executive Vice President


Title

Laura Richard, County Clerk

1-9-2024

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

September 27, 2023

Mr. Kevin Mineo, P.E.
Manager of Precinct 1 Mobility Projects (Fort Bend County)
Binkley & Barfield, Inc.

RE: 20108 Benton Road: From Rice Field to FM 2977 at Koeblen

Dear Mr. Mineo:

Entech Civil Engineers Inc. (Entech) is requesting a supplemental to the original contract for the above referenced project. The supplemental is for the additional efforts outline below due to the ongoing coordination with the George foundation and revised designs. After recent coordination with the George foundation, Entech was asked to revise the previously developed drainage system to utilize roadside ditches, that could eventually be expanded, instead of the currently designed detention ponds. Additionally, Entech was asked to design a cross culvert under the extension of Koeblen Road and remove the existing culvert in the existing drainage ditch near the south end of the project. The new cross culvert will also involve realignment of the existing drainage ditch both upstream and downstream of the culvert. This is all additional scope to the original contract.

A detailed LOE is attached and Supplemental Scope is outlined below:

- Update Hydrology. Entech will revise drainage areas, hydrologic parameters and flow calculation as a result of the new roadside ditches (temporary detention basin).
- Preliminary design of new detention system. Entech will redesign roadway drainage system including inlets, lateral and ditches. This also includes a new design for the roadway cross culvert and realignment of the existing drainage ditch as requested by the George Foundation for future expansion and development of the surrounding areas.
- Update hydraulics: Entech will re-analyze the drainage system using XP-SWMM, analyze impacts and update the preliminary drainage report and address comments:
- The previous drainage report was submitted for approval based on the current design therefore Entech will need to submit a revised drainage report, including revised exhibits and address review comments.

The following items are included for your review:

Exhibit – Revised Fee

Entech Civil Engineers, Inc. is pleased to provide engineering services to Fort Bend County for this project.

Sincerely,



Chris Orosco, P.E.
Project Manager
Attach: Exhibits

Benton Road
From Rice Field to FM 2977 at Koeblen



TASK DESCRIPTION	Sr. Project Manager	Drainage Sr. Engineer	Drainage Project Engineer	Engineering In-Training	Sr. Cadd Oper	Admin Asst. IV	TOTAL LABOR HRS. & COSTS
PHASE I DRAINAGE REPORT							
DRAINAGE IMPACT STUDY							
DATA COLLECTION & SITE VISITS							
DOCUMENT COLLECTION AND REVIEW OF FUTURE DEVELOPMENT		1	2				\$ 551
FIELD VISIT							\$ -
REVIEW SURVEY DATA FOR REVISION TO DITCH AND REALIGNMENT OF PROP DITCHES		1	2				\$ 551
HYDROLOGIC ANALYSIS (FOR NEW ROADSIDE DITCH/DETENTION PONDS)							
REVISE DRAINAGE AREAS	1	1		6			\$ 1,133
REVISE HYDROLOGIC PARAMETERS	1	1	4	8			\$ 1,985
REVISE RUNOFF HYDROGRAPHS	1	1	4	6			\$ 1,769
PRELIMINARY DESIGN REVISION AND ADDITIONS							
REVISE ROADWAY DRAINAGE SYSTEM (TRUNKLINE, LATERALS, INLETS)		1	6	8	8		\$ 3,059
REVISE DETENTION BASINS (REDRAW LINEAR DETENTION PONDS PER FUTURE PLAN)		2	4	8	6		\$ 2,721
DESIGN NEW CROSS CULVERT FOR KOEBLEN RD PER FUTURE DEVELOPMENT		2	4	8	12		\$ 3,477
REALIGN EXISTING DRAINAGE DITCH AT KOEBLEN RD TO MATCH FUTURE CROSS CULVERT UPSTREAM AND DOWNSTREAM		1	6	8	8		\$ 3,059
UPDATE PROPOSED HYDRAULICS (SWMM ANALYSIS)							
MODEL PROPOSED IMPROVEMENTS		1	4	6	8		\$ 2,525
PROPOSED HYDRAULIC ANALYSIS		1	4	6	4		\$ 2,021
DOWNSTREAM IMPACT EVALUATION & MITIGATION		1	4	6			\$ 1,517
ANALYZE PROPOSED 2 YR, 10YR, 100YR		1	4	6			\$ 1,517
UPDATE REPORT							
REPORT WRITE-UP		2	2	8			\$ 1,647
TABLES, EXHIBITS & APPENDCES		2	2	4	4	2	\$ 1,881
ADDRESS COMMENTS FROM DD6							
ADDRESS COMMENTS FROM DD6	2						\$ 504
HOURS SUB-TOTALS	5	19	52	88	50	2	\$ 29,917
RAW SALARY	\$ 84.00	\$ 77.50	\$ 53.00	\$ 36.00	\$ 42.00	\$ 27.00	
CONTRACT RATE	\$ 252.00	\$ 232.50	\$ 159.00	\$ 108.00	\$ 126.00	\$ 81.00	
DIRECT LABOR COST	\$ 1,260.00	\$ 4,417.50	\$ 8,268.00	\$ 9,504.00	\$ 6,300.00	\$ 162.00	\$ 29,912
PHASE I - DRAINAGE REPORT Total							\$ 29,912