

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 Amani 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 4, 2021, for improvements to Rohan Road under 2020 Mobility Bond Project No. 20105, 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 and to increase the maximum compensation amount.

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

1. County shall pay Contractor an additional amount not to exceed ninety-one thousand, four hundred eighty and 00/100 dollars (\$91,480.00) to perform the additional Services, as described in Contractor's Proposal dated August 31, 2023, attached hereto as Exhibit "A-1" 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 eight hundred sixty-three thousand one hundred sixty-seven and 00/100 dollars (\$863,167.00), authorized as follows:

\$771,687.00 under the Agreement; and
\$ 91,480.00 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 a written 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

AMANI ENGINEERING, INC.

KP George, County Judge



Authorized Agent – Signature

Date

H. Prasad Kolluru, P.E.

Authorized Agent – Printed Name

ATTEST:

President

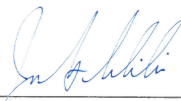
Title

Laura Richard, County Clerk

January 31, 2024


Date

APPROVED:



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

APPROVED AS TO LEGAL FORM:



LaNetra S. Lary, Assistant County Attorney
Chief, General Counsel Division

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

Attachment:

Exhibit A-1 – Contractor's Proposal (8/3/2023)

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EXHIBIT A-1



Amani Engineering, Inc.

• Engineers • Surveyors • Construction Managers

August 31, 2023

Mr. Kevin Mineo, P.E.
Binkley & Barfield | DCCM
1710 Seamist Drive
Houston, Texas 77008

Re: Fort Bend County 2020 Mobility Bond Program
Project Number: 20105

Proposal for Engineering Services: Rohan Road from 800' east of FM 2977 to Benton Road – Additional Scope

Dear Mr. Mineo:

Thank you for selecting Amani Engineering, Inc. (Amani) to provide professional engineering services for the referenced project. Amani is pleased to provide this supplemental fee proposal for the services described herein.

1. PROJECT SCOPE

- Extend the project limits on the west end of the project from 800' east of FM 2977 to FM2977. The realigned Rohan Road asphalt paved section constructed under Project 17114 will be replaced with a concrete pavement.
- Provide professional engineering services, including plan, specifications, and estimate (PS&E) for the project extension described above.
- Design drainage improvements, traffic control, storm water pollution prevention, and pavement striping and marking plans for the additional scope.
- Obtain topographic survey, as needed for the additional scope. Use the data from Project 17114 to the greatest extent possible.
- Prepare a drainage study and report for the revised approach to drainage for this project. Below is a brief background for the previous study efforts along with the scope for the required drainage study:
 - a. Amani's original scope for drainage study limit was from east of FM2977 to Benton Road (but not including the Benton Road ROW). That study was conducted, and a report was submitted on 10/29/2021. The report included the flows generated from the drainage limit mentioned above and an outflow hydrograph was provided to Isani (Benton Road design engineer). Amani recommended a detention pond as a result of the drainage study with an outfall to Benton Road drainage system (being designed by Isani). FBCDD approved Amani's drainage report on 2/1/2022.
 - b. Amani provided continued coordination with the Benton Road project team in an effort to ensure both the Benton Road project and the proposed Rohan Road detention basin would adequately function together and provide compliance with Fort Bend County and FBCDD criteria.
 - c. Based on several discussions with FBCDD, and BBI, it was decided that Amani would engage in a new drainage study and conduct a holistic review of the Rohan - Benton drainage area, including coordination with adjacent private developments and the receiving Sunset Crossing drainage channel. The intent of this drainage study is to come up with a solution that works for both Rohan Road and Benton Road without adverse impacts to the Sunset Crossing channel and Dry Creek.

2. DELIVERABLES

- a. PS&E for the additional project design limits.
- b. New drainage study and report

Mr. Kevin Mineo, P.E.
Fort Bend Mobility Bond Project Number 20105
Fee proposal for Professional Engineering Services – Additional Scope
August 31, 2023
Page 2 of 2

3. FEE

Based on the enclosed level of effort estimate we propose a fee of \$91,480.00 for the above-mentioned scope of work.

We appreciate the opportunity to assist on this project. If you have questions or need additional information, please call me at 713-270-5700 x109.

Yours sincerely,
Amani Engineering, Inc.



Mahesh Dutta, P.E., CFM
Executive Vice President
TBPE Firm Reg. No. F-4528
TBPLS Firm Reg. No. 100282-00

HPK:dlb:md

Attachments:

- 1) Amani Level of Effort Estimate

LEVEL OF EFFORT ESTIMATE - ADDITIONAL SCOPE, ROHAN ROAD ROADWAY EXTENSION - REVISION 2
Fort Bend County 2020 Mobility Bond Program
ROHAN ROAD FROM WEST OF TORI ROAD TO EAST OF FM2977
Project No.: 20105

Client: FBC

8/31/2023

Item No.	Task Description	Principal Engineer	Project Manager	Senior Civil Engineer	Civil Engineer / PE	CADD Operator	Admin.	Subtotal Man Hours	Subtotal Labor Cost
	Hourly Billing Rate:	\$ 250.00	\$ 195.00	\$ 160.00	\$ 140.00	\$ 95.00	\$ 90.00		
1.0	Preliminary Design Phase (LS):								
1.1	Visit Site							0	\$
1.2	Utility Coordination							0	\$
1.3	Preliminary Pavement, Storm Sewer and Detention Design							0	\$
1.4	Typical Cross Sections (Existing)							0	\$
1.5	Typical Sections (Proposed)							0	\$
1.6	Identify right-of-way needs							0	\$
1.7	Prepare sight triangle exhibits							0	\$
1.8	Identify Problem Areas and Potential Resolutions (SUE D, C & B Analysis)							0	\$
1.9	Permit and Regulatory Requirements							0	\$
1.10	Opinion of Probable Construction Cost							0	\$
1.11	Preliminary Engineering Report							0	\$
1.12	Coordinate, review and incorporate adjust site development project (Aminabad)		2	16		8		26	\$ 3,710
1.13	PER/Client Presentation							0	\$
1.14	Project Management and QA/QC							0	\$
	Subtotal Preliminary Design:	0	2	16	0	8	0	26	\$ 3,710
2.0	Final Design Phase (LS):								
2.1	Cover and Sheet Index							0	\$
2.2	General Notes							0	\$
2.3	Survey Control Maps							0	\$
2.4	Project Layout Map							0	\$
2.5	Drainage Area Calcs and Map		1	4	4	8		17	\$ 2,155
2.6	Roadway and Storm Sewer Plan and Profiles (800 LF total, 500 LF/sheet = 2 sheets)		2	4	6	12		24	\$ 3,010
2.7	Utility Relocation Plans (800 LF total, 500 LF/sheet = 2 sheets)							0	\$
2.8	Prepare base plan and profiles based on survey and record information		1		2	8		11	\$ 1,235
2.9	Standard Construction Details							0	\$
2.10	Design Cross Sections (Key Locations and 100-ft.Stations)			1	2	4		7	\$ 820
2.11	Earthwork Cut & Fill Quantities		1	1	2			4	\$ 635
2.12	Front End Documents (from County)							0	\$
2.13	Bid Form							0	\$
2.14	Summary of Work							0	\$
2.15	Specifications Table of Contents (Linked to County Website)							0	\$
2.16	Special Specifications							0	\$
2.17	Opinion of Probable Construction Cost		2	1	4	8		15	\$ 1,870
2.18	Prepare and submit PS&E at 70%, 95% and 100%, including incorporating review comments		1	2	4	8		15	\$ 1,835
2.19	Coordination and review meetings							0	\$
2.20	Project Management and Quality Control		2	2				4	\$ 710
	Subtotal Final Design:	0	10	15	24	48	0	97	\$ 12,270

Amani Engineering, Inc.

LEVEL OF EFFORT ESTIMATE - ADDITIONAL SCOPE, ROHAN ROAD ROADWAY EXTENSION - REVISION 2
Fort Bend County 2020 Mobility Bond Program
ROHAN ROAD FROM WEST OF TORI ROAD TO EAST OF FM2977
Project No.: 20105

Client: FBC

8/31/2023

Item No.	Task Description	Principal Engineer	Project Manager	Senior Civil Engineer	Civil Engineer / PE	CADD Operator	Admin.	Subtotal Man Hours	Subtotal Labor Cost
Hourly Billing Rate:		\$ 250.00	\$ 195.00	\$ 160.00	\$ 140.00	\$ 95.00	\$ 90.00		
3.0	Bidding & Award Phase (T&M):								
3.1	Prepare Project Manual, Drawing Sets (27 CD's Delivered to County)							0	\$
3.2	Attend Pre-Bid Meeting							0	\$
3.3	Prepare and Issue Addendum for County Distribution							0	\$
3.4	Bid Evaluation and Award Recommendation							0	\$
	Subtotal Bidding and Award Phase:	0	0	0	0	0	0	0	\$
4.0	Construction Phase Services (T&M):	TBD AT A LATER DATE							
4.1	Attend Pre-Construction Meeting							0	\$
4.2	Review and Respond to Contractor's Submittals and Shop Drawings							0	\$
4.3	Respond to Requests for Information							0	\$
4.4	Attend Substantial Completion Walk-through Meeting							0	\$
4.5	Prepare and Submit Record Drawings							0	\$
	Subtotal Construction Phase:	0	0	0	0	0	0	0	\$
5.0	Survey & Mapping Services: CivilCorp								
5.1	Extend topographic survey from west of Tori Road to FM 2977								\$
5.3	Survey Management, Coordination and QA/QC								\$
	Subtotal Survey & Mapping:								\$
6.0	Geotechnical Investigation Services								
6.1	Geotechnical Investigations and Report								\$
6.2	Geotech Management, Coordination and QA/QC								\$
	Subtotal Geotechnical Investigation:								\$
7.0	Drainage Study								
7.1	Additional coordination and for Hydrologic & Hydraulics Study for the proposed detention pond		40	320		80		440	\$ 66,600
	Subtotal H & H Study:								\$ 66,600
8.0	Signage & Pavement Marking Services								
8.1	Additional Signage and pavement marking plan		1		4	4		9	\$ 1,135
	Subtotal Signage & Pavement Marking:								\$ 1,135

LEVEL OF EFFORT ESTIMATE - ADDITIONAL SCOPE, ROHAN ROAD ROADWAY EXTENSION - REVISION 2
Fort Bend County 2020 Mobility Bond Program
ROHAN ROAD FROM WEST OF TORI ROAD TO EAST OF FM2977
Project No.: 20105

Client: FBC

8/31/2023

Item No.	Task Description	Principal Engineer	Project Manager	Senior Civil Engineer	Civil Engineer / PE	CADD Operator	Admin.	Subtotal Man Hours	Subtotal Labor Cost	
	Hourly Billing Rate:	\$ 250.00	\$ 195.00	\$ 160.00	\$ 140.00	\$ 95.00	\$ 90.00			
9.0	SWPPP Design Services									
9.1	Additional SWPPP Layouts and details		1		2	4		7	\$ 855	
9.2									\$ -	
	Subtotal SWPPP:								\$ 855	
10.0	Traffic Control Plan									
10.1	Construction phasing, detour, and traffic control plans and details								\$ 6,025	
10.2	TCP Management a, Coordination and QA/QC		1	2	2		1	6	\$ 885	
	Subtotal Traffic Control Plan:								\$ 6,910	
11.0	Additional surveying services during construction, T&M (CivilCorp)									
11.1	Optional additional services include - Flag ROW, Control Staking, Construction Staking and other agreed upon requested services									
11.2	Construction surveying services, coordination & QA/QC								\$ -	
	Subtotal Right-of-Way Acquisition:								\$ -	
	Summary - Roadway Bid Package								Fee Type	Task Total
	Preliminary Design Phase								LS	\$ 3,710
	Final Design Phase								LS	\$ 12,270
	Bidding & Award Phase								T & M	\$ -
	Construction Phase								T & M	\$ -
	Survey & Mapping								LS	\$ -
	Geotechnical Investigation (Earth)								LS	\$ -
	Hydrologic & Hydraulics Study								LS	\$ 66,600
	Signage & Pavement Marking								LS	\$ 1,135
	SWPPP								LS	\$ 855
	Traffic Control Plan (CivilCorp)								LS	\$ 6,910
									LS	
	Construction Surveying								T & M	\$ -
	Total Engineering Services Fee:								\$ 91,480	