

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 Gradient Group, LLC, (hereinafter “Consultant”), 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 October 12, 2021 pursuant to SOQ 14-025, (hereinafter “Agreement”); and

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

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

1. County shall pay Consultant an additional amount not to exceed two hundred thirty-five thousand sixty-two dollars and 40/100 (\$235,062.40) to perform the additional Services, as described in Consultant’s proposal dated August 24, 2022 attached hereto as Exhibit “A” and incorporated herein for all purposes.
2. The Maximum Compensation payable to Consultant for all Services rendered is hereby increased to an amount not to exceed seven hundred eighty-four thousand one hundred seventy-one dollars and 86/100 (\$784,171.86), authorized as follows:

\$549,109.46 under the Agreement; and
\$235,062.40 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.
4. BY ACCEPTANCE OF AGREEMENT, CONSULTANT 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

GRADIENT GROUP, LLC

KP George, County Judge



Authorized Agent – Signature

Date

Stephanie Anderson

Authorized Agent – Printed Name

ATTEST:

President

Title

Laura Richard, County Clerk

02/01/2023

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



GRADIENT GROUP, LLC
2107 CityWest
Suite 450
Houston, Texas 77042

August 24, 2022

Mr. Kevin Mineo, P.E.
Senior Project Manager
Binkley & Barfield, Inc.
1710 Seamist Drive
Sent Via Email: kmineo@binkleybarfield.com

Reference: Proposal for Professional Engineering Services for Reading Road
FBC Project Number 20109
GG Job No: 20300-0005
Addendum #1 – Offsite DIA , Curb & Gutter, Storm Sewer & 2 Roundabouts

Dear Mr. Mineo:

Gradient Group respectfully submits this Addendum in reference to the approved scope of work dated October 12, 2021 for the preparation of the expanded scope to include the offsite drainage for the Drainage Impact Analysis, design for concrete curb & gutter roadway, underground storm sewer design and adding the geometric layout for two one-lane roundabouts in the PER and providing the additional sheets for the design plans.

Below are the revisions and additions to the original scope of services in order to complete the services requested by the Client.

1.P – Pre-Design Study (Adding 2 Roundabouts)

Through Magnolia Place development program, Gradient was asked to attend meetings related to the overall development program and coordination with the team. This task includes attending 3 meetings for the Magnolia Place development as requested by the Client. Gradient was asked to provide research and analysis to present potential traffic calming device options to the client with the cost related impacts.

With the effort described above Gradient will provide two (2) – one (1) lane roundabouts within the project limits for Evergreen Street roadway reconstruction. The proposed roundabouts will be provided based on Fort Bend County engineering standards and will provide a schematic layout with the associated geometric design.

With the revised scope included providing a concrete curb and gutter roadway design with underground storm sewer, waterline relocation, driveways design, sidewalk on one side of the roadway with illumination. The added effort includes preliminary layouts for these items as well as driveway layouts revising the existing connections to the proposed roadway.

1.D – Drainage Offsite

Fort Bend County has requested to re-evaluate the drainage impact analysis for Evergreen Road. The County has identified a total of nine (9) side streets related to the Evergreen Road project that would be reconstructed as part of the Magnolia Place Redevelopment. It was discussed to reconstruct and widen the side streets within a 50-foot total ROW width. Gradient has been requested to include the side street roadway improvements into the drainage impact analysis.

Drainage impact analysis (additional effort)

- Gradient will obtain and review the existing information along the side streets and will sub-divide the drainage areas to compute the flows at all nine (9) intersections.
- Perform detailed hydrologic analysis to compute off-site flows for the existing conditions. It is anticipated that a separate consultant will perform the drainage impact analysis for the side street reconstruction program and will make sure that the flows will be maintained at existing levels.
- Gradient will perform a more detailed routing analysis in SWMM to include flows from the side streets.
- Gradient will coordinate with the consultant performing the side street impact analysis to make sure that the flows at the side street intersection match between the two studies. A maximum of two (2) iterations will be performed to match flows.
- Gradient will include details related to the side streets in the report and will also prepare additional exhibits and tables to account for these flows.

Assumptions & Exclusions

- Effort required for this analysis is assumed to be an extension of the efforts put forth on the already started Drainage Impact Analysis.
- It is anticipated that a separate consultant will perform the drainage impact analysis for the side street reconstruction program and that consultant will be responsible for making sure that the flows will be maintained at existing conditions.

2.P – Design Plans

The effort described below is related to the revised design scope. Gradient will include the following sheets to the design plans in order to provide a concrete curb and gutter roadway with underground storm sewer, sidewalk on one side of the roadway, street illumination and 2 roundabouts.

Added sheets to the design plans are as follows:

1. Two Roundabouts – plan and profiles, include paving details, traffic control plans, traffic control details, roundabout signing & pavement marking plan and details
2. Roadway Curb & Gutter – drainage area map, roadway details, driveway layout, driveway summary, driveway details, SWPPP and SWPPP details
3. Storm Sewer – Roadway storm sewer design and storm sewer details
4. Water Line Design for 8" – Waterline plan and profile for 5,000 linear feet and waterline details
5. Sidewalk – Sidewalk design for 5,000 linear feet and sidewalk details
6. Illumination – Illumination design for roadway, one sided with 1,000 linear feet shown on each design sheet and illumination details.

Effort provided includes two coordination meetings with design consultants for Evergreen Segment 2 and the Magnolia Place project that is converting the private driveways to public roads.

Compensation

We will perform the work on a lump sum basis for the professional services provided under this addendum.

Engineering services will be billed monthly based on the percentage of work completed. Optional Services will be billed as defined by authorization for such optional services.

We appreciate the opportunity to present this Addendum #1. If you need additional information in support of this proposal, please contact me at 832-779-5700 or on my mobile at 979-574-5173.

Respectfully Submitted,



Stephanie Anderson, PE
Project Manager

SHEET NO.		DESCRIPTION	Sr. Project Manager	Roadway Engineer	Drainage Engineer	Traffic Engineer	Engineer -In- Training	CADD Designer	Administrative	TOTAL HOURS	COST / SHEET	COST
			\$323.00	\$272.00	\$272.00	\$272.00	\$153.00	\$108.80	\$102.00			

BASIC SERVICES - AMENDMENT #1

1P - Pre-Design Study (Adding 2 Roundabouts) Addendum

Project Management & Coordination										\$	8,177.00
Overall Development Project Meetings & Coordination (RPS, FBC, PCT) 3 Meetings			9.0	9.0	2.0				20.0	\$	5,899.00
Project Management & Coordination Meetings (Binkley Barfield & AIG) 2 Meetings			2.0	2.0	2.0	2.0			8.0	\$	2,278.00
Roundabout Pre-Design Study										\$	10,070.80
Traffic Calming Devices Research and Analysis				1.0		1.0	16.0		18.0	\$	2,992.00
Traffic Calming Devices Analysis - Cost Impacts			4.0	2.0		4.0	4.0	8.0	22.0	\$	4,406.40
Schematic Plan Sheets Layout of Roundabouts - Proposed Conditions Evaluation (2)			2.0	2.0			4.0	8.0	16.0	\$	2,672.40
Roadway Design										\$	8,007.00
Schematic Plan Sheets Layout of Roadway Storm Sewer - Proposed Conditions Evaluation			1.0	4.0	4.0		16.0	16.0	41.0	\$	6,687.80
Driveway Layouts				1.0			4.0	4.0	9.0	\$	1,319.20
Additional Design Elements Layout										\$	4,154.80
Water Line, Sidewalk, Illumination Layout			2.0	2.0			8.0	16.0	28.0	\$	4,154.80
Roadway Drainage (Off-site)										\$	23,619.80
Compute off-site flows			1.0		8.0		16.0		25.0	\$	4,947.00
Routing Analysis in SWMM			4.0		8.0		16.0		28.0	\$	5,916.00
Report & Exhibits			8.0		16.0		16.0	16.0	72.0	\$	12,756.80

1P - Pre-Design Study Addendum Total

2P - Design Plan (Adding 2 Roundabouts, Roadway Curb & Gutter, Storm Sewer, Water Line, Sidewalk and Illumination Design) Addendum

Adjacent Project Coordination													\$	4,338.40	
Adjacent Project Meetings & Coordination (HR Green & AIG) 2 Meetings			4.0		4.0		4.0					20.0	\$	4,338.40	
Roundabout Designs (2 Roundabouts)															
Sheets - 4 Roundabout Designs (2 Roundabouts)			16.0		16.0		16.0		16.0		48.0		128.0 \$	6,024.80 \$	24,099.20
Sheets - 2 Roundabout Paving Details			1.0		2.0				4.0		4.0		15.0 \$	1,276.70 \$	2,553.40
Sheets - 16 Roundabout - Traffic Control Plans (4 Phases / Roundabout) (2 Sheets / Phase)			8.0		16.0		24.0		32.0		54.0		134.0 \$	1,514.70 \$	24,235.20
Sheets - 1 Roundabout Traffic Control Plan Details							1.0				8.0		9.0 \$	1,142.40 \$	1,142.40
Sheets - 4 Roundabout Signing & Pavement Marking Plan					4.0		4.0		8.0		16.0		36.0 \$	1,445.00 \$	5,780.00
Sheets - 1 Roundabout Signing & Pavement Marking Details					1.0		2.0		2.0		8.0		15.0 \$	2,312.00 \$	2,312.00
Roadway Curb & Gutter Design															
Sheets - 1 Hydraulic Computations			1.0		1.0		24.0		8.0		8.0		42.0 \$	9,217.40 \$	9,217.40
Sheets - 1 Drainage Area Map - Existing Offsite			1.0		4.0		16.0		4.0		40.0		65.0 \$	10,727.00 \$	10,727.00
Sheets - 1 Road Curb and Gutter Details					1.0		1.0		4.0		8.0		14.0 \$	2,026.40 \$	2,026.40
Sheets - 2 Driveway Design			1.0		2.0		2.0		8.0		16.0		29.0 \$	2,187.90 \$	4,375.80
Sheets - 1 Driveway Summary			1.0		1.0		2.0		4.0		8.0		16.0 \$	2,621.40 \$	2,621.40
Sheets - 2 Driveway Details					1.0		1.0		4.0		8.0		14.0 \$	1,013.20 \$	2,026.40

Storm Sewer																\$	26,472.40			
Sheets	-	10	Storm Sewer Design - Roadway		2.0		8.0		16.0		16.0		100.0		154.0	\$	2,241.96	\$	22,419.60	
Sheets	-	4	Storm Details				4.0				8.0		16.0		28.0	\$	1,013.20	\$	4,052.80	
Water Line Design - 8"																\$	13,827.80			
Sheets	-	10	Water Line 5,000 LF		1.0		2.0		8.0		16.0		40.0		67.0	\$	984.30	\$	9,843.00	
Sheets	-	2	Water Line Details				2.0		4.0		4.0		16.0		26.0	\$	1,992.40	\$	3,984.80	
Sidewalk Design																\$	7,490.20			
Sheets	-	10	Sidewalk Design - 5,000 Linear Feet		1.0		4.0			4.0		8.0		16.0		33.0	\$	546.38	\$	5,463.80
Sheets	-	1	Sidewalk Details				1.0			1.0		4.0		8.0		14.0	\$	2,026.40	\$	2,026.40
Illumination Design																\$	37,787.60			
Sheets	-	5	Illumination - 5,000 Linear Feet (1,000 Linear Feet per Sheet)		2.0		16.0			40.0		40.0		80.0		194.0	\$	6,651.76	\$	33,258.80
Sheets	-	2	Illumination Details				4.0			4.0		4.0		16.0		28.0	\$	2,264.40	\$	4,528.80
2P - Design Plan (Adding 2 Roundabouts, Roadway Curb & Gutter, Storm Sewer, Water Line, Sidewalk and Illumination Design) Addendum Total																\$	181,033.00			
TOTAL - Amendment #1																\$	235,062.40			