



THIS AGREEMENT ("Agreement"), made and entered into by and between BGE, Inc. (BGE) and the Client identified herein, provides for the Professional Services described under Item 3 of this Agreement.

CLIENT: <u>City of Seguin</u>	CONTACT PERSON: <u>Jennifer R. Shortess, P.E., CFM</u>
ADDRESS: <u>108 E. Mountain Street</u>	OFFICE NUMBER: <u>(830) 386-2239</u>
<u>Seguin Texas 78155</u>	CELL NUMBER: _____
_____	EMAIL: <u>jshortess@seguintexas.gov</u>

PROJECT NAME: Strempel St. / Martindale Roadway Improvements Additional Services

1. THE AGREEMENT INCLUDES THE STANDARD TERMS AND CONDITIONS which are included in Attachment A. Client shall authorize and BGE shall commence its services on BGE's receipt of the properly executed and signed Agreement, as may be amended from time to time. If the Agreement is not executed by Client within thirty (30) days of the date tendered, it shall become invalid unless: (1) BGE extends the time in writing; or (2) at the sole option of BGE, BGE accepts Client's written or oral authorization to proceed with the services, in which event the terms of the authorization shall include all the terms of this Agreement. BGE's performance of the services, including Additional Services, under the written or oral authorization shall be in reliance on the inclusion of all the terms of this Agreement.

2. LOCATION & DESCRIPTION OF PROJECT SITE: (If additional pages are necessary, they are identified as Attachment B)

Strempel St. and E. Martindale Road from SH123 to 700 feet north of Twin Oaks Road in Seguin, Texas.

3. SERVICES TO BE PROVIDED BY THE CITY

- a. Data for the project that City has available (i.e. environmental documents, correspondence, materials/previously conducted studies regarding proposed improvements, etc.) to the extent possible.
- b. Guidance for project
- c. Available existing right-of-way maps for the project
- d. Available as-built plans from utility companies existing within the project limits.
- e. Assist the Engineer, as necessary, in obtaining any required data and information from local, regional, state and federal agencies.
- f. Pay permit and application fees required by the permitting agencies.

4. SCOPE OF SERVICES TO BE PROVIDED BY BGE:

a. UTILITY DESIGN

1. Per the agreement (May 2024) BGE was engaged to perform an 8-inch waterline design along Strempel Street from SH 123 to the existing waterlines to Parkwood. The submittals included 50% and 100% submittals. After the 50% comments, the City requested the waterline to be redesigned from an 8-inch to a 12-inch waterline. The following services were added to the project:
 - a. Update both horizontal and vertical alignments, to include plan and profile, and resolve any utility conflicts.
2. After the 50% comments, the City requested the inclusion of 600 LF of sanitary sewer design to connect the Navarro Oaks Unit 3 sanitary. The following effort was performed as part of this request:



- a. BGE verified that the sanitary sewer flow capacity was adequate to serve the proposed development and provided approximately five (5) conveyance alternative analyses for sanitary sewer alignment options. Per discussions with the City, the Old Martindale Alignment Alternative was the preferred option.
- b. FIELD SURVEYING
 1. Parcels
 - a. Provide survey plats and metes and bounds descriptions for the parcels needed for the right-of-way map include the location of the complete parcel boundary and deed research to confirm boundary of property. For the purposes of this proposal, it is presumed that there will be a total of 6 additional parcels for right of way acquisition.
- c. ROADWAY DESIGN CONTROLS
 1. Provided additional details in cross sections for proposed and existing utilities.
 - a. The ENGINEER modeled the proposed water and sanitary sewer lines to perform clash detection analysis with proposed storm drain and display proposed utilities in cross sections.
 - b. The ENGINEER modeled existing utilities and displayed them in cross sections based on level C/D information and minimum depth assumptions.
- d. DRAINAGE
 1. Drainage plans for 50% and 100% Submittal in accordance with City of Seguin Criteria
 2. Provided the existing and proposed drainage assessment and design incorporating the proposed Navarro Oaks Subdivision Unit 3.
 - a. The ENGINEER reviewed the Navarro Oaks Subdivision Unit 3 hydrologic and hydraulic data.
 - b. The ENGINEER recalculated the existing, interim, and proposed peak flows.
 - c. The ENGINEER revised the Existing and Proposed Drainage Area Maps.
 - d. The ENGINEER revised the culvert layout, hydrologic and hydraulic data sheets.
 - e. The ENGINEER developed channel grading details to tie to Navarro Oaks Subdivision Unit 3.
 - f. The ENGINEER developed channel plan and profile sheets.
 - g. The ENGINEER conducted the hydraulic analysis using HEC-RAS for the cross culvert and channel design.
 - h. The ENGINEER developed a drainage memorandum.

Deliverables

1. ENGINEER will prepare detailed plans, specifications, and cost estimates for bidding and construction.
2. ENGINEER will prepare plans (11" x 17" or 24" x 36" with use of 1" = 20' or 1" = 40' instead) to include each of the work items listed above.
3. ENGINEER will provide plats and field notes for 6 parcels.

5. EXCLUDED AND/OR ADDITIONAL SERVICES: (If additional pages are necessary, they are identified as Attachment B)

The following services are excluded but may be provided as an additional service as requested.

1. Environmental documentation.
2. Public Involvement including public hearings and meetings with affected property owners.
3. Bid and Construction Phase services will be provided as an additional service.
4. Brush Clearing for geotechnical borings will be provided as an additional service.



6. THE COMPENSATION TO BE PAID BGE FOR PROVIDING THE REQUESTED SERVICES: (If additional pages are necessary, they are identified as Attachment B)

Professional Fees

The proposed fee for this project is one hundred seventy-seven thousand, eight hundred and ninety four dollars and ninety two cents. (\$177,897.92) in basic services. Exhibit 1 – Fee Schedule includes a detail of hours anticipated for the execution of the project.

Reimbursable Expenses are in addition to the Professional Fees. Reimbursable Expenses will be billed at 1.0 times their cost. Reimbursable Expenses include: N/A.

IN WITNESS WHEREOF, this Agreement is accepted on the date written below and subject to the terms and conditions set forth above and in Attachments.

BGE, Inc.

CLIENT: City of Seguin

SIGNED: 

SIGNED: _____

TYPED NAME: ERIC BUSKER, P.E.

TYPED NAME: _____

TITLE: DIRECTOR

TITLE: _____

DATE: JULY 10, 2025

DATE: _____

EXHIBIT 1 - FEE SCHEDULE

PRIME PROVIDER NAME: BGE, Inc.

CITY OF SEGUIN

PROJECT NAME: Strempel St./Martindale Roadway Design

FUNCTION CODE	SUPPLEMENTAL SERVICES - SUMMARY					
	BGE		RABA-KISTNER		TOTAL	
	HOURS	FEES	HOURS	FEES	HOURS	FEES
ROUTE & DESIGN STUDIES (FC 110)					0	\$0.00
ENVIRONMENTAL STUDIES & PUBLIC INVOLVEMENT (FC 120)					0	\$0.00
RIGHT OF WAY DATA (FC 130)					0	\$0.00
DESIGN SURVEY (FC 150)					0	\$0.00
ROADWAY DESIGN CONTROLS (FC160)	78	\$10,606.86			78	\$10,606.86
DRAINAGE (FC161)	562	\$93,678.34			562	\$93,678.34
SIGNING, PVMT. MARKING, & SIGNAL (FC162)					0	\$0.00
MISCELLANEOUS (ROADWAY) (FC 163)					0	\$0.00
PROJECT MANAGEMENT					0	\$0.00
BID AND CONSTRUCTION SERVICES (FC 351)					0	\$0.00
UTILITY DESIGN (WATER & SANITARY)	240	\$43,009.72			240	\$43,009.72
Other Direct Expenses (Parcel Documents)		\$30,600.00		\$ -	0	\$30,600.00
UNIT COST				\$ -	0	\$0.00
TOTAL	880	\$ 177,894.92	0	\$ -	880	\$177,894.92

EXHIBIT 1-FEE SCHEDULE (BGE, INC.)

PRIME PROVIDER NAME: BGE, INC.
Strempel St./Martindale Rd. Roadway Design

TASK DESCRIPTION	QC MANAGER	Sr. PROJECT MANAGER	SURVEY MANAGER RPLS	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER	SR. ENGINEERING TECH	Sr. CADD TECH	CADD TECH	SURVEY CREW	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
ROADWAY DESIGN CONTROLS (FC160)														
3D MODEL OF PROPOSED WATER AND SANITARY SEWER LINES		2			4				20			26		
3D MODEL OF EXISTING UTILITIES		4			8				40			52		
HOURS SUB-TOTALS		6			12				60			78		
CONTRACT RATE PER HOUR	288	254.57	198	219.21	155.57	130.82	198	187.39	120.21	200	102.53			
TOTAL LABOR COSTS		\$1,527.42			\$1,866.84				\$7,212.60			\$10,606.86		
% DISTRIBUTION OF STAFFING		7.69%			15.38%				76.92%					
SUBTOTAL (FC 160)												\$10,606.86		

TASK DESCRIPTION	QC MANAGER	Sr. PROJECT MANAGER	SURVEY MANAGER RPLS	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER	SR. ENGINEERING TECH	Sr. CADD TECH	CADD TECH	SURVEY CREW	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
DRAINAGE (FC161)														
ANALYSIS OF NAVARRO OAKS SUBDIVISION UNIT 3	4	2		70	120							196		
INCORPORATE DESIGN UPDATES PER NAVARRO OAKS SUBDIVISION UNIT 3 ANALYSIS	10	4		30	170				100			314		
DRAINAGE MEMORANDUM	2	2		8	40							52		
HOURS SUB-TOTALS	16	8		108	330				100			562		
CONTRACT RATE PER HOUR	\$288.00	\$254.57	\$198.00	\$219.21	\$155.57	\$130.82	\$198.00	\$187.39	\$120.21	\$200.00	\$102.53			
TOTAL LABOR COSTS	\$4,608.00	\$2,036.56		\$23,674.68	\$51,338.10				\$12,021.00			\$93,678.34		
% DISTRIBUTION OF STAFFING	2.85%	1.42%		19.22%	58.72%				17.79%					
SUBTOTAL (FC 161)												\$93,678.34		

PROJECT TOTALS	QC MANAGER	Sr. PROJECT MANAGER	SURVEY MANAGER RPLS	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER	SR. ENGINEERING TECH	Sr. CADD TECH	CADD TECH	SURVEY CREW	CLERICAL	
TOTAL HOURS	18.00	14.00		108.00	342.00	-	-	-	160.00	-	-	640.00
CONTRACT RATE PER HOUR	\$ 288.00	\$ 254.57	\$ 198.00	\$ 219.21	\$ 155.57	\$ 130.82	\$ 198.00	\$ 187.39	\$ 120.21	\$ 200.00	\$ 102.53	
TOTAL LABOR COSTS	\$ 4,608.00	\$ 3,563.98	\$ -	\$ 23,674.68	\$ 53,204.94	\$ -	\$ -	\$ -	\$ 19,233.60	\$ -	\$ -	\$104,285.20
% DISTRIBUTION OF STAFFING	4.4%	3.4%		22.7%	51.0%				18.4%			100%

DESCRIPTION	TOTAL MH BY FC	TOTAL COSTS BY FC	% of Total
UTILITY COORDINATION (FC 130)			
DESIGN SURVEY (FC 150)			
ROADWAY DESIGN CONTROLS (FC 160)	78	\$10,606.86	10%
DRAINAGE (FC 161)	562	\$93,678.34	90%
SIGNING, PVMT, MARK., & SIGNALS (FC162)			
MISCELLANEOUS (ROADWAY) (FC 163)			
MANAGING CONTRACTED PER SERVICES & SURVEY CONTRACTS (FC 164)			
SUBTOTAL LABOR EXPENSES	640	\$104,285.20	
OTHER DIRECT EXPENSES (COMPLETE IN ACCORDANCE WITH YOUR CONTRACT)	# OF UNITS	COST/UNIT	
Mileage (# of miles) (current state rate)		\$0.550	
Plats and Field Notes	6	\$5,100.00	\$30,600.00
TDLR PROJECT REGISTRATION		\$250.00	
TDLR PLAN REVIEW FEE		\$375.00	
TDLR INSPECTION FEE		\$650.00	
TDLR PRELIMINARY REVIEW FEE		\$145.00	
TDLR SPECIAL INSPECTION FEE (\$/hr 1 Hr min)		\$215.00	
SUBTOTAL DIRECT EXPENSES			\$30,600.00

SUMMARY	
TOTAL COSTS FOR PRIME ONLY	\$104,285.20
NON-SALARY (OTHER DIRECT EXPENSES) FOR PRIME ONLY	\$30,600.00
GRAND TOTAL	\$134,885.20

ADDITIONAL SERVICE - EXHIBIT 1-FEE SCHEDULE (BGE, INC.)

PRIME PROVIDER NAME: BGE, INC.
Strempel St./Martindale

TASK DESCRIPTION	QC MANAGER	Sr. PROJECT MANAGER	SURVEY MANAGER RPLS	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER	SR. ENGINEERING TECH	Sr. CADD TECH	CADD TECH	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
UTILITY DESIGN (WATER & SANITARY)													
UPSIZE WATER LINE DESIGN	4	2		24		84					114	3	38
SANITARY SEWER ALTERNATIVES ANALYSIS	2			20		10					32		
SANITARY SEWER DESIGN	4	2		64		24					94	6	16
HOURS SUB-TOTALS	10	4	0	108	0	118	0	0	0	0	240		
CONTRACT RATE PER HOUR	288	254.57	198	219.21	155.57	130.82	198	187.39	120.21	102.53			
TOTAL LABOR COSTS	\$2,880.00	\$1,018.28	\$0.00	\$23,674.68	\$0.00	\$15,436.76	\$0.00	\$0.00	\$0.00	\$0.00	\$43,009.72		
% DISTRIBUTION OF STAFFING	4.2%	1.7%		45.0%		49.2%							
SUBTOTAL (FC 110)											\$43,009.72		

DESCRIPTION			TOTAL MH BY FC	TOTAL COSTS BY FC
UTILITY DESIGN (WATER & SANITARY)			240	\$43,009.72
SUBTOTAL LABOR EXPENSES			240	\$43,009.72
OTHER DIRECT EXPENSES (COMPLETE IN ACCORDANCE WITH YOUR CONTRACT)	# OF UNITS	COST/UNIT		
SUBTOTAL DIRECT EXPENSES				\$0.00

SUMMARY	
TOTAL COSTS FOR PRIME ONLY	\$43,009.72
NON-SALARY (OTHER DIRECT EXPENSES) FOR PRIME ONLY	\$0.00
GRAND TOTAL	\$43,009.72