



MEMORANDUM

TO: June Hamal, Associate Director
Augusta Engineering Department

FROM: Clint Parker, PE, PMP
Hussey Gay Bell

RE: Ellis Street Drainage & Roadway Improvements

DATE: March 27, 2025

CC:

This memo addresses the request to provide professional services for the Ellis St. Roadway & Drainage Improvements. The drainage improvements will be prepared from 10th St. to 5th St. while the roadway improvements will focus on 12th St. to 6th St. In response to your request, Hussey, Gay, Bell & DeYoung, Inc. Consulting Engineers (HGB) is pleased to submit this fee proposal as it relates to work for the proposed drainage improvements. The scope of work and fee are as follows:

SCOPE OF SERVICES

1. Existing Conditions Assessment & Conceptual Roadway Layout
 - a. Assess the existing conditions, including roadway geometry, drainage patterns, adjacent stormwater infrastructure, locations and depths of existing utilities (via Utility Owner Coordination).
 - b. Review of as-builts and drainage reports for adjacent developments
 - c. Conceptual layout preparation for April 25, 2025 Augusta Commission Meeting.

2. Database Preparation
 - a. A topographical survey will be performed to provide a database for proposed roadway improvements and to provide necessary cross slope improvements. The survey database will include storm infrastructure as well as above ground utilities.

3. Preliminary Design
 - a. Preliminary design of roadway and drainage improvements, including surface collection and conveyance systems along with connection to existing drainage system.

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- b. Analysis of system and assessment of outfall system capacity for the design storm.
 - c. Prepare and submit preliminary design and cost estimate for review
4. Final Design
 - a. Address comments received (assuming 1 round of comments) and prepare final plans, quantities, cost estimate and supporting calculations.
5. Project Management

Assumptions:

- Potholing for utility conflicts are not included in the scope of services.
- GIS maps or as-builts for water and sewer will be made accessible by the City of Augusta
- Water & Sewer relocation design is not part of this scope of services but can be added if requested.

The total lump sum fee for this project is \$128,540.00. The fee for each task is as follows. An hourly breakdown of the fees is attached.

1. Conceptual Layout & Existing Conditions Assessment - \$9,070.00
2. Database Preparation/Survey - \$56,230.00
3. Preliminary Design - \$30,970.00
4. Final Design - \$27,830.00
5. Project Management - \$4,440.00

Schedule:

- The Conceptual Layout will be submitted to AED on or before 4/23/2025.
- The topographic survey would take approximately 6 weeks to complete after receiving NTP from Augusta Engineering Department.
- The preliminary package would take approximately 6 weeks to complete and submit after receipt of the survey database.
- The final design package would take approximately 4 weeks to complete and submit after receiving review comments from Augusta Engineering Department.

HGB respectfully requests approval of the request for the Ellis Street Roadway and Drainage Improvements.



Accepted for Augusta Engineering Department by:

Signature

Date

Name

Title

ATTACHMENTS:

Attachment 1 - Ellis St. Roadway & Drainage Improvements Cost Proposal

Attachment 2 - Hussey Gay Bell Bill Rates

**Augusta Engineering Department
COST PROPOSAL**

Proj. No.:
PI No.:
Prime:
Date: 27-Mar-2025

Project: **Ellis Street Roadway & Drainage Improvements**
County: **Richmond County**
Contract Type: **Hourly NTE**
Fixed Fee %: **N/A**

Master Contract: **Augusta On-Call Engineering**
Contract Expiration:
Task Order No: **TBD**

Hussey Gay Bell

Discipline: **Roadway Design** **Hours & Cost Estimate**

Phase	Description	Assumptions / Notes	Total Hours	Total Cost	Total Other Direct Costs	Fixed Fee @ N/A	Total Labor Cost	Direct Labor Cost	Indirect Costs (Overhead) @	FCCM @
TOTALS ==>			750	\$ 128,540.00	\$ 11,160.00	\$ -	\$ 117,380.00	\$ 117,380.00	\$ -	\$ -
1	Existing Conditions Assessment/Conceptual Layout		60	\$ 9,070.00	\$ -	\$ -	\$ 9,070.00	\$ 9,070.00	\$ -	\$ -
2	Database Preparation		286	\$ 56,230.00	\$ 11,160.00	\$ -	\$ 45,070.00	\$ 45,070.00	\$ -	\$ -
3	Preliminary Design		200	\$ 30,970.00	\$ -	\$ -	\$ 30,970.00	\$ 30,970.00	\$ -	\$ -
4	Final Design		180	\$ 27,830.00	\$ -	\$ -	\$ 27,830.00	\$ 27,830.00	\$ -	\$ -
5	Project Management		24	\$ 4,440.00	\$ -	\$ -	\$ 4,440.00	\$ 4,440.00	\$ -	\$ -

Project Level Summary - Labor

	Total	Staff Type / Project Hourly Rates / Hours						Hourly Rates Include Composite Escalation Over Current Rates of:			
		Principal Engineer	Project Manager	Senior Engineer, P.E.	Staff/Design Engineer	Registered Land Surveyor	Survey Crew	Survey Technician	Technician III		
		\$205.00	\$185.00	\$170.00	\$155.00	\$100.00	\$165.00	\$115.00	\$120.00		
TOTAL HOURS ==>	750	2	54	102	232	8	240	32	80		
TOTAL DIRECT LABOR COST==>	\$ 117,380	\$ 410	\$ 9,990	\$ 17,340	\$ 35,960	\$ 800	\$ 39,600	\$ 3,680	\$ 9,600		

Project Level Summary - Other Direct Costs

	Total Other Direct Costs	Other Direct Costs								
		Express/Mail /Courier	Lodging	Meals	Mileage	Parking	Reproduction /Printing	Car Rental		
			Survey crew @ 30 days @ \$250/day	Survey crew @ 30 days @\$122/day						
TOTALS ==>	\$ 11,160	\$ -	\$ 7,500	\$ 3,660	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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Fixed Fee %: **N/A**

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Discipline: **Hussey Gay Bell
Roadway Design**

Hours & Cost Estimate

				Staff Type / Project Hourly Rates / Hours								Hourly Rates Include Composite Escalation Over Current Rates of:			
Phase	Description	Total Hours		Principal Engineer	Project Manager	Senior Engineer, P.E.	Staff/Design Engineer	Registered Land Surveyor	Survey Crew	Survey Technician	Technician III				
				\$205.00	\$185.00	\$170.00	\$155.00	\$100.00	\$165.00	\$115.00	\$120.00				
TOTALS ==>			750	2	54	102	232	8	240	32	80				
1	Existing Conditions Assessment/Conceptual Layout	60			2	18	24							16	
2	Database Preparation	286			2		4	8	240	32					
3	Preliminary Design	200			6	42	128							24	
4	Final Design	180		2	20	42	76							40	
5	Project Management	24			24										

				Other Direct Costs										
Phase	Description	Total Other Direct Costs		Express/Mail /Courier	Lodging	Meals	Mileage	Parking	Reproduction /Printing	Car Rental				
					Survey crew @ 30 days @ \$250/day	Survey crew @ 30 days @\$122/day								
TOTALS ==>			\$ 11,160	\$ -	\$ 7,500	\$ 3,660	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1	Existing Conditions Assessment/Conceptual Layout	\$ -												
2	Database Preparation	\$ 11,160			\$ 7,500	\$ 3,660								
3	Preliminary Design	\$ -												
4	Final Design	\$ -												
5	Project Management	\$ -												

		Total Hours	Principal Engineer	Project Manager	Senior Engineer, P.E.	Staff/Design Engineer	Registered Land Surveyor	Survey Crew	Survey Technician	Technician III
1	Existing Conditions Assessment/Conceptual Layout	52		2	18	24				16
	Engineering Assessment	12			4	8				
	Document Review	6			2	4				
	Prepare Concept Layout and Concept Cost Estimate	34		2	4	12				16
	Conduct Site Visits	8			8					
	Assumptions / Notes									
	Assess the existing conditions, including roadway geometry, drainage patterns, adjacent stormwater infrastructure, locations and depths of existing utilities and soils.									
	Review of as-builts and drainage reports for adjacent developments									
	1 visit									

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Hussey Gay Bell

Discipline: **Roadway Design**

Hours & Cost Estimate

			Total Hours	Principal Engineer	Project Manager	Senior Engineer, P.E.	Staff/Design Engineer	Registered Land Surveyor	Survey Crew	Survey Technician	Technician III
2	Database Preparation	Assumptions / Notes	286		2		4	8	240	32	
	Topographical Survey	A topographical survey will be performed to provide a database for proposed roadway shoulder improvements and to provide necessary cross slope improvements (1 mile corridor including sideroads). The survey database will include storm infrastructure as well as above ground utilities.	286		2		4	8	240	32	
			Total Hours	Principal Engineer	Project Manager	Senior Engineer, P.E.	Staff/Design Engineer	Registered Land Surveyor	Survey Crew	Survey Technician	Technician III
3	Preliminary Design	Assumptions / Notes	200		6	42	128				24
	Preliminary Drainage Design	Preliminary design of improvements, including surface collection and conveyance systems along with connection to existing drainage system.	48			16	32				
	Drainage System System Analysis and Assessment	Analysis of system and assessment of outfall system capacity for the design storm.	52			12	40				
	Plan preparation; submit design and cost estimate		100		6	14	56				24
			Total Hours	Principal Engineer	Project Manager	Senior Engineer, P.E.	Staff/Design Engineer	Registered Land Surveyor	Survey Crew	Survey Technician	Technician III
4	Final Design	Assumptions / Notes	180	2	20	42	76				40
	Final Design	Prepare final plans, quantities, cost estimate and supporting calculations.	128		10	30	64				24
	Address Final Plans Comments	Address comments received (assuming 1 round of comments)	26		2	4	8				12
	Prepare Bid Documents		20		4	8	4				4
	Quality Control		6	2	4						
			Total Hours	Principal Engineer	Project Manager	Senior Engineer, P.E.	Staff/Design Engineer	Registered Land Surveyor	Survey Crew	Survey Technician	Technician III
5	Project Management	Assumptions / Notes	24		24						
	Discipline Management - Coordination Meetings; Project Management		24		24						



Hussey, Gay, Bell & DeYoung, Inc.
Consulting Engineers
Savannah, Georgia

SCHEDULE OF HOURLY RATES

Rate Effective
01/2019

Principal Engineer	205.00
Professional Engineer (Testimony and Preparation)	345.00
Engineer V / Associate	185.00
Engineer IV	170.00
Engineer III	155.00
Engineer II	150.00
Engineer I	145.00
Assistant Engineer	130.00
Technician III	120.00
Technician II	115.00
Technician I	105.00
Landscape Architect	140.00
Senior Project Representative	110.00
Project Representative	95.00
Registered Land Surveyor III	165.00
Registered Land Surveyor II	145.00
Registered Land Surveyor I	130.00
3-Man Survey Crew	175.00
2-Man Survey Crew	165.00
1-Man Survey Crew	145.00
Senior Administrative	115.00
Administrative	75.00