



Alfred Benesch & Company
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October 19, 2023

Augusta Engineering Department
Attention: Mr. Hameed Malik, P.E., PhD.
452 Walker St., Suite 110
Augusta, Georgia 30901

Reference: East Augusta Road and Drainage Improvements
Supplemental Proposal for Engineering Services (BEN #P2319125)

Dear Dr. Malik:

Benesch appreciates this opportunity to present a request for supplemental design fees to complete design of the remaining phases of the East Augusta Road and Drainage Improvements Project. As part of our design team, we will use Toole Surveying to provide easement maps similar to those provided in previous east Augusta projects.

The remaining East Augusta Road and Drainage Improvements projects include Phase IV – Hornsby Drainage Improvements, Phase V – East Telfair Drainage Improvements, Phase VI – East View Subdivision Drainage Improvements, and Phase VII – Riverside Park Drainage Improvements. Each of these projects were developed up to a 90% design and placed on hold while the Phase VIII – Marion Homes Drainage Project Phase was completed through construction and the Phase III – Brunswick and Azalea Drainage Improvements Project was completed through 100% design and let for bid. As requested, we have put together a proposal to provide design services for the remaining East Augusta drainage projects through the bidding process.

General phases of work to complete each of the drainage projects includes Final Construction Plan Development and Bidding and Pre-Construction. The following briefly outlines our scope of services for these tasks for the Phase IV – Hornsby Drainage Improvements, Phase V – East Telfair Drainage Improvements, Phase VI – East View Subdivision Drainage Improvements, and Phase VII – Riverside Park Drainage Improvements. A man hour sheet is also attached.

East Augusta Phase IV – Hornsby Drainage Improvements.

Final Construction Plan Development

A summary of tasks associated with Final Construction Plans will be completed as follows:

- Benesch will initiate the task by facilitating a kickoff/plan review meeting to review the 90% construction plans and review the proposed design schedule.
- Benesch will submit the 90% drawings to the utility owners to confirm existing facilities and obtain proposed relocations where required.
 - Benesch will facilitate a remote utility coordination meeting to discuss the existing facilities and proposed relocations.

- Benesch will incorporate proposed utility relocations into the final construction plans.
- Prepare 100% construction plan documents and specifications based upon internal and AED review comments and feedback from the utility coordination meeting and submit to the Augusta Engineering Department for approval.
- Prepare a 100% plan opinion of probable construction cost (10% contingency).

Bidding and Pre-Construction

A summary of tasks associated with Bidding & Contract Services will be completed as follows:

- Provide support with the Augusta Engineering and Procurement Departments in preparing final bid documents.
- Facilitate pre-bid meeting and address contractor written requests for information (RFI). Issuing addenda as required.
- Attend bid opening.
- Review bids and make recommendation of award.
- Attend the project pre-construction meeting.

East Augusta Phase V – East Telfair Drainage Improvements.

Final Construction Plan Development

A summary of tasks associated with Final Construction Plans will be completed as follows:

- Benesch will initiate the task by facilitating a kickoff/plan review meeting to review the 90% construction plans and review the proposed design schedule. This meeting will concurrently review the other drainage improvement projects.
- Benesch will submit the 90% drawings to the utility owners to confirm existing facilities and obtain proposed relocations where required.
 - Benesch will facilitate a remote utility coordination meeting to discuss the existing facilities and proposed relocations.
 - Benesch will incorporate proposed utility relocations into the final construction plans.
- Concurrent with the plans being reviewed by the utility providers, Benesch will work with Toole Surveying Company develop easement maps and submit to AED to begin acquisition. The project will require easements from an estimated 80 parcels.
- Prepare 100% construction plan documents and specifications based upon internal and AED review comments and feedback from the utility coordination meeting and submit to the Augusta Engineering Department for approval.
- Prepare a 100% plan opinion of probable construction cost (10% contingency).

Bidding and Pre-Construction

A summary of tasks associated with Bidding & Contract Services will be completed as follows:

- Provide support with the Augusta Engineering and Procurement Departments in preparing final bid documents including detailed estimate and specifications.
- Facilitate pre-bid meeting and address contractor written requests for information (RFI). Issuing addenda as required.
- Attend bid opening.
- Review bids and make recommendation of award.
- Attend the project pre-construction meeting.

East Augusta Phase VI – East View Subdivision Drainage Improvements.

Final Construction Plan Development

A summary of tasks associated with Final Construction Plans will be completed as follows:

- Benesch will initiate the task by facilitating a kickoff/plan review meeting to review the 90% construction plans and review the proposed design schedule. This meeting will concurrently review the other drainage improvement projects.
- Benesch will submit the 90% drawings to the utility owners to confirm existing facilities and obtain proposed relocations where required.
 - Benesch will facilitate a remote utility coordination meeting to discuss the existing facilities and proposed relocations.
 - Benesch will incorporate proposed utility relocations into the final construction plans.
- Concurrent with the plans being reviewed by the utility providers, Benesch will work with Toole Surveying Company develop easement maps and submit to AED to begin acquisition. The project will require easements from an estimated 20 parcels.
- Prepare 100% construction plan documents and specifications based upon internal and AED review comments and feedback from the utility coordination meeting and submit to the Augusta Engineering Department for approval.
- Prepare a 100% plan opinion of probable construction cost (10% contingency).

Bidding and Pre-Construction

A summary of tasks associated with Bidding & Contract Services will be completed as follows:

- Provide support with the Augusta Engineering and Procurement Departments in preparing final bid documents including detailed estimate and specifications.
- Facilitate pre-bid meeting and address contractor written requests for information (RFI). Issuing addenda as required.
- Attend bid opening.
- Review bids and make recommendation of award.
- Attend the project pre-construction meeting.

East Augusta Phase VII – Riverside Park Drainage Improvements.

Final Construction Plan Development

A summary of tasks associated with Final Construction Plans will be completed as follows:

- Benesch will initiate the task by facilitating a kickoff/plan review meeting to review the 90% construction plans and review the proposed design schedule. This meeting will concurrently review the other drainage improvement projects.
- Benesch will submit the 90% drawings to the utility owners to confirm existing facilities and obtain proposed relocations where required.
 - Benesch will facilitate a remote utility coordination meeting to discuss the existing facilities and proposed relocations.
 - Benesch will incorporate proposed utility relocations into the final construction plans.

- Concurrent with the plans being reviewed by the utility providers, Benesch will work with Toole Surveying Company develop easement maps and submit to AED to begin acquisition. The project will require easements from an estimated 25 parcels.
- Prepare 100% construction plan documents and specifications based upon internal and AED review comments and feedback from the utility coordination meeting and submit to the Augusta Engineering Department for approval.
- Prepare a 100% plan opinion of probable construction cost (10% contingency).

Bidding and Pre-Construction

A summary of tasks associated with Bidding & Contract Services will be completed as follows:

- Provide support with the Augusta Engineering and Procurement Departments in preparing final bid documents including detailed estimate and specifications.
- Facilitate pre-bid meeting and address contractor written requests for information (RFI). Issuing addenda as required.
- Attend bid opening.
- Review bids and make recommendation of award.
- Attend the project pre-construction meeting.

Project Assumptions:

The following design assumptions were made while preparing the scope for each project:

- Benesch estimates attending three (3) meetings during the Final Construction Plan Phase:
 - Kickoff/plan review meeting with the Augusta Engineering Department.
 - Utility Coordination meeting with utility owners.
 - 100% plan review meeting with Augusta Engineering Department.
- Benesch estimates attending three (3) meetings during the Bidding & Pre-Construction Services Phase:
 - Pre-bid Meeting.
 - Bid Opening.
 - Pre-construction Meeting.
- Benesch assumes that each project will require a Land Disturbance Permit and NPDES GAR100002 Permit.
- Opinions of probable Construction Cost are made based on experience, qualifications, and general familiarity with the construction industry. However, because we have no control over the cost of labor, materials, equipment, or services furnished by others, or over contractors' methods of determining prices, or over competitive bidding or market conditions, we cannot and do not guarantee that proposals, bids, or actual Construction Cost will not vary from the opinions of probable Construction Cost prepared.

Project Exclusions:

The proposed scope of work excludes the following services. Should these or other professional services be required, Benesch will respectfully provide a supplemental proposal based on a mutually established scope of work:

- Construction Management, and Inspection.
- Private Utility Locate

- SUE Services
- Structural Engineering
- Geotechnical Engineering
- Environmental Engineering/Permitting

Schedule:

Upon Notice to Proceed, Benesch will provide a full schedule outlining the development process. In general, the following outlines an estimation of project duration for each of the projects:

Phase IV – Hornsby Drainage Improvements:

- 1) Kickoff Meeting – 1 Week
- 2) Utility Coordination – 4 Weeks
- 3) Preparation of 100% complete Construction Plans, technical specifications, and construction cost estimate – 6 Weeks
- 4) 100% Plan review meeting – 1 Week

Phase V – East Telfair Drainage Improvements:

- 1) Kickoff Meeting – 1 Week
- 2) Easement Maps – 4 Weeks
- 3) Utility Coordination – 4 Weeks
- 4) Preparation of 100% complete Construction Plans, technical specifications, and construction cost estimate – 8 Weeks
- 5) 100% Plan review meeting – 1 Week

Phase VI – East View Subdivision Drainage Improvements:

- 1) Kickoff Meeting – 1 Week
- 2) Easement Maps – 2 Weeks
- 3) Utility Coordination – 4 Weeks
- 4) Preparation of 100% complete Construction Plans, technical specifications, and construction cost estimate – 6 Weeks
- 5) 100% Plan review meeting – 1 Week

Phase VII – Riverside Park Drainage Improvements:

- 1) Kickoff Meeting – 1 Week
- 2) Easement Maps – 2 Weeks
- 3) Utility Coordination – 4 Weeks
- 4) Preparation of 100% complete Construction Plans, technical specifications, and construction cost estimate – 6 Weeks
- 5) 100% Plan review meeting – 1 Week

Completion of Services & Additional Services

We respectfully propose to work on an hourly rate basis against the following not to exceed fee lump sum. The lump sum fees are proposed given the assumed scope of work and professional time commitments noted above. We will not provide services exceeding this amount without written authorization from the Augusta Engineering Department. Monthly invoices will include a detailed breakdown of all time dedicated to the project.

- Phase IV – Hornsby Drainage Improvements: \$ 28,550
 - Benesch – Final Construction Plans (\$24,240)
 - Benesch – Bidding and Pre-Construction (\$4,310)

- Phase V – East Telfair Drainage Improvements: \$ 42,235
 - Benesch – Final Construction Plans (\$37,925)
 - Benesch – Bidding and Pre-Construction (\$4,310)
 - Toole Surveying (\$2,000)

- Phase VI – East View Subdivision Drainage Improvements: \$ 36,285
 - Benesch – Final Construction Plans (\$31,975)
 - Benesch – Bidding and Pre-Construction (\$4,310)
 - Toole Surveying (\$500)

- Phase VII – Riverside Park Drainage Improvements: \$ 41,135
 - Benesch – Final Construction Plans (\$36,825)
 - Benesch – Bidding and Pre-Construction (\$4,310)
 - Toole Surveying (\$625)

Total Design and Engineering Support Services:

Total **\$ 148,205**

Again, thank you for this opportunity to submit a request for supplemental fees. Should you have any questions, please do not hesitate to contact our office.

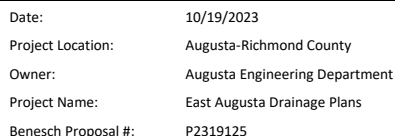
Sincerely,

Alfred Benesch & Company



Victor Conover, P.E., C.F.M.
Project Manager

Attachments: Man-hour/Fee Estimate (4 Pages)



Personnel	Est. Hours	Rate/Hour	Cost (\$)	Totals
Sr. Project Manager	8	\$235.00	\$1,880.00	
Project Manager	24	\$175.00	\$4,200.00	
Engineer	24	\$145.00	\$3,480.00	
Designer	86	\$115.00	\$9,890.00	
CAD Designer	104	\$85.00	\$8,840.00	
Admin	4	\$65.00	\$260.00	
Total per Rate Schedule			\$28,550.00	\$28,550.00
Direct Costs	Number	Rate	Cost (\$)	
Travel				
		\$0.56	\$0.00	
Total Direct Costs				\$0.00
Subconsultant Costs	Number	Rate	Est. Cost (\$)	
Toole Surveying	1	\$0.00	\$0.00	
Total Subconsultant Costs				\$0.00
Total Proposed Fees				\$28,550.00



Date: 10/19/2023
Project Location: Augusta-Richmond County
Owner: Augusta Engineering Department
Project Name: East Augusta Drainage Plans
Benesch Proposal #: P2319125

Item/ Task Description		Sr. Project Manager	Project Manager	Engineer	Designer	CAD Designer	Admin	Total
Phase V - East Telfair								
Final Construction Plans								
Project Management (scheduling/invoicing)		8						8
Kickoff Meeting			2		2			
Prepare Meeting Minutes from Kickoff Meeting			1		2			
Send Construction Plans to Utility Owners			1		4			5
Utility Coordination Meeting			2		2			4
Utility Coordination Meeting Minutes			1		2			3
Easement Drawings			4	20	20	80		124
Construction Plan Review			4	16				20
Revise Construction Plans					20	80		100
Submit Plans for Erosion Control Review					4			4
Address Erosion Control Plan Comments - Final Submittal					8	24		32
Detailed Estimate - Construction Cost			4		16			20
Construction Specifications				8	8			16
100% Plan Review Meeting			2		2			4
Bidding and Pre-Construction								0
Facilitate pre-bid meeting			2		4			6
Address RFI - Addeneda			2		8		4	14
Attend Bid Opening			2		2			4
Review Bids and Award recommendation			2		4			6
Attend Pre-construction Meeting			2		2			4
								0
								0
								0
								0
								0
								0
								0
								0
Total		8	31	44	110	184	4	381

Personnel	Est. Hours	Rate/Hour	Cost (\$)	Totals
Sr. Project Manager	8	\$235.00	\$1,880.00	
Project Manager	31	\$175.00	\$5,425.00	
Engineer	44	\$145.00	\$6,380.00	
Designer	110	\$115.00	\$12,650.00	
CAD Designer	184	\$85.00	\$15,640.00	
Admin	4	\$65.00	\$260.00	
Total per Rate Schedule			\$42,235.00	\$42,235.00
Direct Costs	Number	Rate	Cost (\$)	
Travel		\$0.585	\$0.00	
Total Direct Costs				\$0.00
Subconsultant Costs	Number	Rate	Est. Cost (\$)	
Toole Surveying	1	\$2,000.00	\$2,000.00	
Total Subconsultant Costs				\$2,000.00
Total Proposed Fees				\$44,235.00



Date: 10/19/2023
 Project Location: Augusta-Richmond County
 Owner: Augusta Engineering Department
 Project Name: East Augusta Drainage Plans
 Benesch Proposal #: P2319125

Item/ Task Description		Sr. Project Manager	Project Manager	Engineer	Designer	CAD Designer	Admin	Total
Phase VI - East View Subdivision								
Final Construction Plans								
Project Management (scheduling/invoicing)		8						8
Kickoff Meeting			2		2			4
Prepare Meeting Minutes from Kickoff Meeting			1		2			3
Send Construction Plans to Utility Owners			1		4			5
Utility Coordination Meeting			2		2			4
Utility Coordination Meeting Minutes			1		2			3
Easement Drawings			4	10	20	40		74
Construction Plan Review			4	16				20
Revise Construction Plans					40	40		80
Submit Plans for Erosion Control Review					4			4
Address Erosion Control Plan Comments - Final Submittal					8	24		32
Detailed Estimate - Construction Cost			4		16			20
Construction Specifications				8	8			16
100% Plan Review Meeting			2		2			4
								0
Bidding and Pre-Construction								0
Facilitate pre-bid meeting			2		4			6
Address RFI - Addeneda			2		8		4	14
Attend Bid Opening			2		2			4
Review Bids and Award recommendation			2		4			6
Attend Pre-construction Meeting			2		2			4
								0
								0
								0
								0
								0
								0
								0
Total		8	31	34	130	104	4	311

Personnel	Est. Hours	Rate/Hour	Cost (\$)	Totals
Sr. Project Manager	8	\$235.00	\$1,880.00	
Project Manager	31	\$175.00	\$5,425.00	
Engineer	34	\$145.00	\$4,930.00	
Designer	130	\$115.00	\$14,950.00	
CAD Designer	104	\$85.00	\$8,840.00	
Admin	4	\$65.00	\$260.00	
Total per Rate Schedule			\$36,285.00	\$36,285.00
Direct Costs	Number	Rate	Cost (\$)	
Travel		\$0.56	\$0.00	
Total Direct Costs				\$0.00
Subconsultant Costs	Number	Rate	Est. Cost (\$)	
Toole Surveying	1	\$500.00	\$500.00	
Total Subconsultant Costs				\$500.00
Total Proposed Fees				\$36,785.00



Date: 10/19/2023
 Project Location: Augusta-Richmond County
 Owner: Augusta Engineering Department
 Project Name: East Augusta Drainage Plans
 Benesch Proposal #: P2319125

Item/ Task Description		Sr. Project Manager	Project Manager	Engineer	Designer	CAD Designer	Admin	Total
Phase VII - Riverside Park								
Final Construction Plans								
Project Management (scheduling/invoicing)		8						8
Kickoff Meeting			2		2			
Prepare Meeting Minutes from Kickoff Meeting			1		2			
Send Construction Plans to Utility Owners			1		4			5
Utility Coordination Meeting			2		2			4
Utility Coordination Meeting Minutes			1		2			3
Easement Drawings			4	20	20	40		84
Construction Plan Review			4	16				20
Revise Construction Plans					40	80		120
Submit Plans for Erosion Control Review					4			4
Address Erosion Control Plan Comments - Final Submittal					8	24		32
Detailed Estimate - Construction Cost			4		16			20
Construction Specifications				8	8			16
100% Plan Review Meeting			2		2			4
Bidding and Pre-Construction								0
Facilitate pre-bid meeting			2		4			6
Address RFI - Addeneda			2		8		4	14
Attend Bid Opening			2		2			4
Review Bids and Award Recommendation			2		4			6
Attend Pre-construction Meeting			2		2			4
								0
								0
								0
								0
								0
								0
								0
Total		8	31	44	130	144	4	361

Personnel	Est. Hours	Rate/Hour	Cost (\$)	Totals
Sr. Project Manager	8	\$235.00	\$1,880.00	
Project Manager	31	\$175.00	\$5,425.00	
Engineer	44	\$145.00	\$6,380.00	
Designer	130	\$115.00	\$14,950.00	
CAD Designer	144	\$85.00	\$12,240.00	
Admin	4	\$65.00	\$260.00	
Total per Rate Schedule			\$41,135.00	\$41,135.00
Direct Costs	Number	Rate	Cost (\$)	
Travel		\$0.56	\$0.00	
Total Direct Costs				\$0.00
Subconsultant Costs	Number	Rate	Est. Cost (\$)	
Toole Surveying	1	\$625.00	\$625.00	
Total Subconsultant Costs				\$625.00
Total Proposed Fees				\$41,760.00