



Alfred Benesch & Company  
1005 Broad Street, Suite 200  
Augusta, GA 30901  
www.benesch.com  
P 706-722-4114  
F 706-722-6219

May 15, 2024

Augusta Engineering Department  
Attention: Mrs. June Hamal  
452 Walker St., Suite 110  
Augusta, Georgia 30901

Reference: East Augusta Road and Drainage Improvements Phase III – Azalea Avenue  
Supplemental Proposal for Engineering Services (BEN #P2419194)

Dear Mrs. Hamal:

Benesch appreciates this opportunity to present a request for supplemental design fees to extend the design of the East Augusta Road and Drainage Improvements Project Phase III along Azalea Avenue and continued construction support. As requested in our field meeting with Augusta Engineering Department (AED) staff on Wednesday May 1, 2024, we have put together a proposal to develop construction plans to complete roadway improvements on Azalea Ave. from Wallace Street to East Cedar Street. We were also requested to evaluate “hot spot” areas within newly constructed improvements and provide solutions to mitigate the localized ponding. As part of our design team, we will use Toole Surveying to survey the project areas and develop a basemap for design. General phases of work will include Database and Construction Documents and Field Engineering. Below is our project approach, project assumptions, fee summary and schedule.

### **Phase 1 – Database**

A summary of tasks associated with Database will be completed as follows:

- Toole Surveying will complete a survey of the property of the areas defined from the field investigation on May 1, 2024. A location map highlighting these areas is attached in the proposal provided by Toole Surveying. In general, the survey limits include Azalea Avenue from East Cedar Street to Wallace Street, the length of Macon Avenue and smaller identified areas on East Espinosa Street and Wallace Street. Services will include:
  - Survey of Azalea Street from the centerline of Oak Street to the centerline of East Cedar Street. Survey to extend to the faces of the homes on Azalea Avenue and include driveway limits and grades.
  - Survey of pavement and curb and gutter within identified limits.
  - Survey of the newly constructed storm sewer system within the identified study areas.
  - Above ground utilities.

### **Phase 2 – Construction Documents and Field Engineering**

A summary of tasks associated with Construction Documents and Field Engineering will be completed as follows:

- Using surveyed basemap, Benesch will develop construction documents to be added to the current East Augusta Roadway and Drainage Project – Phase III – Brunswick Avenue and Azalea Street construction plan set as a revision. These construction documents will include:
  - Construction plan
  - Roadway profile
  - Cross sections
  - Drainage profiles
  - Erosion control plan
  - Details not included in base set of construction documents for the East Augusta Phase III project.
- Benesch will develop a summary of quantities associated with the proposed improvements and submit them to AED staff.
- Throughout construction of these proposed improvements, Benesch will respond to requests for information, identify potential conflicts, and address any outstanding project items. Additionally, as requested, we will provide field engineering services to address conflict resolution and design modifications. Time commitments for construction support services are based upon the following:
  - 12 weekly construction meetings and miscellaneous inspections
  - Project Manager (2 hours / week)
  - Engineer (4 hours / week)

#### **Project Assumptions:**

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

- As discussed in the field investigation meeting, the proposed construction documents will be developed through a design build process and included in the bid set of drawings as a revision.
- 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) Survey – 4 Weeks
- 2) Construction Plan Development – 4 Weeks

**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 1 – Database (Toole Surveying)** **\$23,600**
- **Phase 2 – Construction Documents and Field Engineering** **\$35,025**
  - **Field Engineering (\$11,640)**

**Total Design and Engineering Support Services:** **Total** **\$58,625**

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.

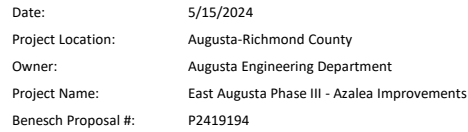
Sincerely,

Alfred Benesch & Company

A handwritten signature in blue ink, appearing to read 'V. Conover', with a long horizontal flourish extending to the right.

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

Attachments: Man-hour/Fee Estimate  
Toole Surveying Proposal



Personnel	Est. Hours	Rate/Hour	Cost (\$)	Totals
Sr. Project Manager	8	\$230.00	\$1,840.00	
Project Manager	39	\$185.00	\$7,215.00	
Senior Engineer	0	\$175.00	\$0.00	
Engineer	111	\$150.00	\$16,650.00	
CAD Designer	108	\$85.00	\$9,180.00	
Admin	2	\$70.00	\$140.00	
Total per Rate Schedule			\$35,025.00	\$35,025.00
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				\$35,025.00



# **Toole Surveying Company, Inc.**

308 Fourth Street · Augusta, Georgia 30901  
(Voice) 706-722-4115 · (Fax) 706-722-4118 · [www.toolesurveying.com](http://www.toolesurveying.com)

May 10, 2024

Alfred Benesch & Company, Inc.  
1005 Broad Street  
Augusta, Georgia 30901

Attention: Victor Conover, P.E.

Subject: East Augusta Drainage Improvements - Phase III  
Database Preparation  
TSC Proposal P24015

Toole Surveying Company, Inc. appreciates this opportunity to propose our surveying services to you for the above-referenced project. The following proposal briefly outlines our scope of services, a time frame for completion, and the cost associated with these services.

## **SCOPE OF SERVICES**

Toole Surveying Company (TSC) will provide the following services:

- An as-built - topographic map of the areas delineated in red on a PDF provided by you. Areas to be included are described below.
- Azalea Street from the center line of Oak Street to the CL of Cedar Street, extending from the back of the sidewalk on the south side to the face of the houses on the north side. Permission to access fenced, privately owned areas will need to be obtained by the Augusta Engineering Department.
- Macon Avenue will extend from Azalea Street to its termination. The width of the mapping will be from the back of sidewalk to 5' behind the back of curb.
- Espinosa Street from the catch basin east to the existing sidewalk as shown on page 3.
- Wallace Street from the indicated catch basin north to the driveway at 610 Wallace Street as shown on page 3.
- The intersection of Wallace Street and Aiken Street north through the driveway at 710 Wallace Street as shown on page 3.
- Location of all visible / accessible drainage manholes including the top / invert elevation, pipe size and type within the project areas will be mapped.
- Trees along the corridor with a caliper over 24" will be located. Otherwise, tree / brush lines will be shown.
- Property lines will be compiled from previous mapping and GIS data. Certified property lines are not included in this scope of services.
- Wetland delineation and mapping are not included in this scope of work.

## **TOPOGRAPHIC MAPPING**

The topographic survey will show 1-foot contour intervals based on a minimum 50' varying grid including spot shots on adjoining roadways, driveways and other paved surfaces in a manner sufficient to provide a clear understanding of existing conditions. Vertical control will be based on NAVD 1988 Datum. A minimum of four benchmarks will be established for the project.

## **UTILITIES**

TSC will be responsible for the location of storm sewer systems and visible above ground utilities within the project area. Sanitary Sewer information will be compiled from previous surveys if available. Toole Surveying Co. assumes no liability for the inclusion or accurate location of non-visible underground utilities. A qualified sub-surface utility engineer can be retained to provide utility location if needed. Private sub-surface utility spray locate services are not included in this scope of services.

## **FEES**

These services will be provided for the Lump Sum Fees of:

Task S01 -Topographic Mapping Phase III	\$23,600.00
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## **DELIVERABLES**

- A 2022 Civil 3D ACAD file of the project area. (Individual sheets will not be set up.)

## **TIME-FRAME**

Field services will be initiated within 3 working day of written authorization to proceed. The final product should be ready within 20 days thereafter.

Again, Toole Surveying Company, Inc. appreciates the opportunity to propose our professional services to you. Should you have any questions regarding the information contained herein, please do not hesitate to contact us. We look forward to working with you on this project.

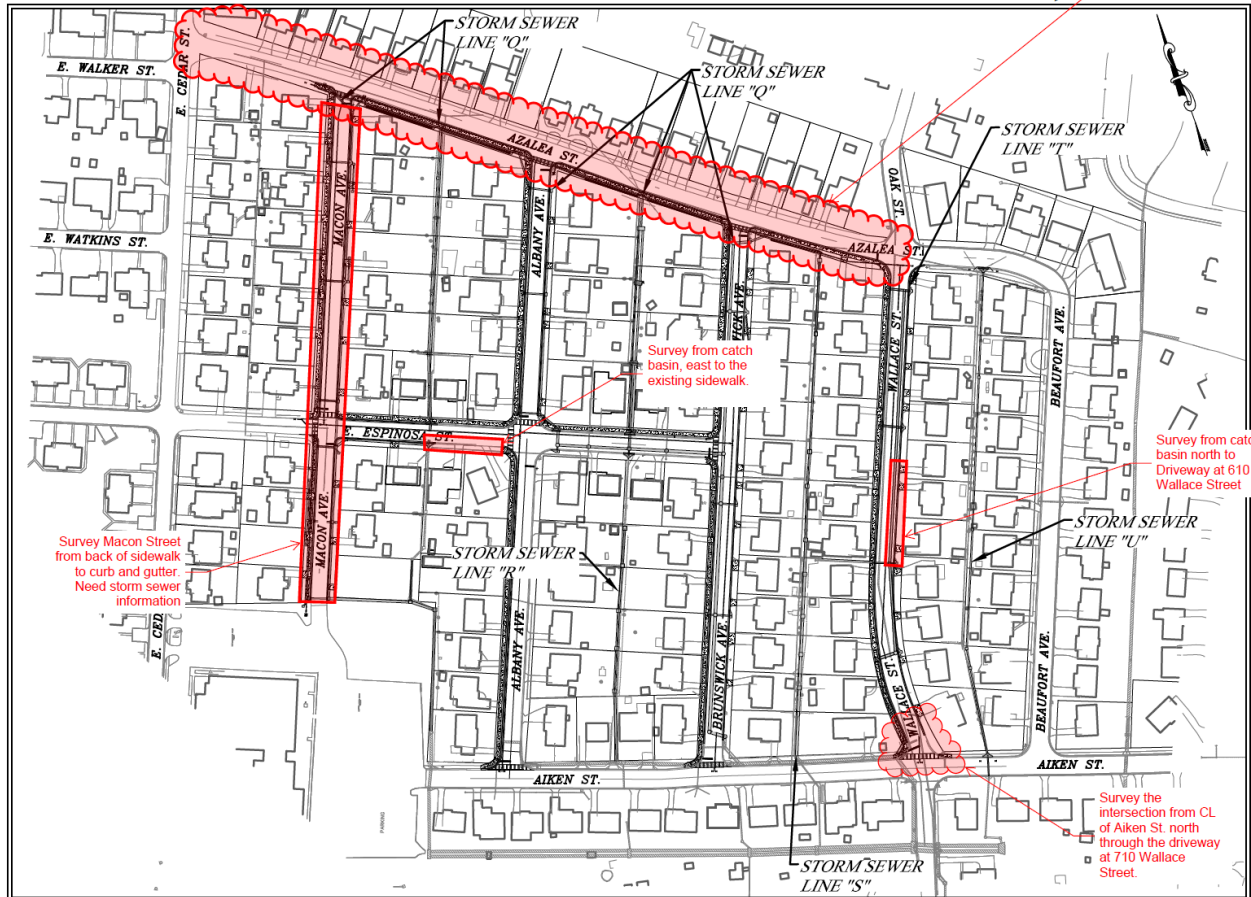
Sincerely,

Toole Surveying Company, Inc.

Barry A. Toole, P.L.S.  
Project Manager

AUGUSTA, GEORGIA ENGINEERING  
DEPARTMENT  
PROJECT NUMBER: #  
ORIGINAL RELEASE DATE: APRIL 30, 2021

Survey Azalea  
Avenue from CL of  
Oak Street to the CL  
of Cedar Street.  
Limits of survey the  
up to the face of the  
homes, need  
driveway information  
  
need storm sewer  
information



NOT TO SCALE