

# Hall County Government

PURCHASING DIVISION

# CONTRACT EXECUTION SIGNATURE REQUEST

POST OFFICE DRAWER 1435 GAINESVILLE, GA 30503

t: 770.535.8270 | f: 770.531.6711

INTERIM FINANCIAL SERVICES **DIRECTOR Taylor Samples, CPA** 

PURCHASING MANAGER **Andy Penick** 

Date: April 26, 2024

To: Richard Higgins, Chairman Hall County Board of Commission

From: Andy Penick

Your signature is requested to execute the attached Contract.

Bid/Contract No: #41-001

Contract Name: <u>Demand Services for Civil Engineering - Design</u> Services for SR 365 Corridor Intersection & Widening Improvements

Task Order #2024-027 White Sulphur Road Intersection & Widening and Task Order #2024-029 Cagle Road Intersection Improvements

Department(s) Requesting Contract: Public Works

Award Recipient Name: Atlas Technical Consultants, LLC

Co	ontract Description:					
	Annual Contract		New	$\boxtimes$	Renev	val
	Price Increase Reques	sted	Perce	ntage I	ncrease	: <u>N/A</u>
	Demand Service Co	ntract	Previo	ous Spe	end:	<u>N/A</u>
	Commodity Contract	t	Reque	ested A	mount:	\$833,605.00
$\boxtimes$	Demand Service Cont	ract				

#### Comments:

Task order #2024-027 is for Civil Engineering Design Services for SR 365 Corridor – White Sulphur Road Intersection & Widening, with an anticipated completion time of 18 months of Notice-to-Proceed.

Task order #2024-029 is for Civil Engineering Design Services for SR 365 Corridor - Cagle Road Intersection Improvements with an anticipated completion time of 10 months of Notice-to-Proceed.

# CONTRACT EXECUTION SIGNATURE REQUEST PRICE INCREASE DETAILS

Bid/Contract No: #41-001

Contract Name: <u>Demand Services for Civil Engineering - Design Services for SR 365 Corridor</u>

Intersection & Widening Improvements



2450 Commerce Avenue | Suite 100 Duluth, GA 30096-8910 770.263.5945 | F 770.263.0166 oneatlas.com

March 26, 2024

Andy Penick County Purchasing Manager Hall County Government 2875 Brown Bridge Road Gainesville, Georgia 30504

Re: Task Order Request #2024-027

Civil Engineering Design Services - Engineering Services for SR 365 Corridor - White Sulphur Road Intersection & Widening

Improvements Fee Proposal

Atlas Proposal #24-02977

Dear Mr. Penick,

Atlas Technical Consultants is pleased to submit, as requested, a fee proposal to provide professional design services for the SR 365 Corridor – White Sulphur Road intersection and widening improvement project. The cost for the professional design services listed in the task order is \$566,405.

As requested, we are providing the cost for the following additional services not included in the task order scope of work: Traffic Study – \$10,400, Environmental Screening – \$9,250, Phase 1 Environmental Site Assessment – \$7,535, and Pavement Evaluation – \$19,130. We have meticulously detailed the scope for all remaining tasks in the attached document.

We understand that this project will be County-let and 100% LMIG funded. It is also our understanding that the County's current project concept consists of adding an additional 12-foot lane on White Sulphur Road of approximately 2,500 feet in length from SR 365 westbound to the proposed Port entrance; lengthening the existing White Sulphur Road left turn lanes both north and southbound onto SR 365, and add an additional left turn lane approximately 400 feet in length on SR 365 northbound onto White Sulphur Road westbound.

Our proposal assumes that the proposed improvements to White Sulphur Road will end before the railroad crossing, based on the County's current concept. Therefore, no railroad coordination or permitting has been included in our cost proposal.

Plans will be developed to meet current GDOT, County, AASHTO, and EPD guidelines. We assume this project will not require public involvement, such as a public hearing or public information meeting. We anticipate completing the following major plan development tasks as per the proposed task order:



Andy Penick March 26, 2024 Page 2

- Pre-Design Services/Concept Development Task 1
  - o Survey
  - o SUE Utility Location & Coordination
  - Geotechnical studies
  - o Conceptual layout and cost estimates
- Engineering Design Service/ Preliminary, Right of Way & Final Plans Task 2
  - o Preliminary construction plan submission and approval
  - o Right of way plan submission & approval
  - Final construction plan submission, plans specification, estimate and approval
  - o GDOT, Hall County, and EPD Permit
- Bid and Construction Service Task 3
  - Bid package preparation, project bidding, bid review, and recommendation

If you have any questions or need additional information, please do not hesitate to contact me at 770.530.9194.

Sincerely,

Todd I. Long, PE, PTOE Southern States Hub Leader

cc: Adolfo Guzman, PE Brad Hale, PE



### **SCOPE OF WORK**

### Pre-Design Services Items - Task 1

Atlas will provide professional engineering and survey services to develop construction documents for the SR 365 at the White Sulphur Road intersection and widening improvements project. The project consists of adding an additional 12-foot lane on White Sulphur Road of approximately 2,500 feet in length from SR 365 westbound to the proposed Port entrance, lengthening the existing White Sulphur Road left turn lanes both north and southbound onto SR 365 and adding an additional left turn lane approximately 400 feet in length on SR 365 northbound onto White Sulphur Road westbound.

## **Concept Development**

The Atlas roadway design team will use innovative design techniques during the project's development to provide the safety, operations, and capacity required while meeting the needs of the County's traveling public and stakeholders.

After NTP and upon completion of the database, utility location, and geotechnical survey, we intend to develop the proposed concept layout and associated construction and ROW estimate for review and approval by the County. The proposed layout will be developed and evaluated from an engineering/public/environmental perspective, and it will address the project's needs and purpose and meet the area's mobility needs for the project.

Survey – Upon receiving NTP, we will begin work on this task. We will establish control throughout the project, with the horizontal control being referenced to NAD 1983 and the vertical control being tied to the NAVD 1988. The database will be prepared in OpenRoads. The expected boundary of the survey will extend as shown in the attached aerial photograph, Exhibit A. Our team will perform courthouse research, obtaining all available plats and deeds of all properties affected by the project. We will then compile a property owners' data file consisting of:

- Owners' names
- Owners' addresses
- Tax parcel numbers
- Land lot and district numbers
- Deed book and page numbers
- Plat book and page numbers
- Existing lot area

### We will establish the following:

- Locate and identify all existing surface-evident utility facilities, sanitary sewers, stormwater systems, drainage features, existing ground features, driveways, side streets, and any other planimetric structure essential to the project's design.
- 2. Locate right-of-way, property lines, and any other information necessary to design and obtain right-of-way and easements for the project.
- 3. Establish a centerline or baseline for all roadways and driveways. Stationing for the centerline or baseline of all roadways will be painted/pinned and identified.
- 4. Establish profile, as necessary, of all roadways, driveways, and surrounding terrain needed to design roadways, any detours to maintain traffic, design of major drainage structures, design of storm systems, detention, realignment of roads, etc.
- 5. Develop a horizontal and vertical control package.

Utility Location & Coordination – Our team will provide utility coordination and subsurface utility engineering (SUE) services, Level B and Level A, to determine accurate underground utility locations and assess utility conflicts for the project.

Geotechnical Investigation – Our team will perform all the necessary fieldwork investigations and lab analyses to develop the required project soil report.

## **Engineering Design Services - Task 2**

### **Preliminary Construction Plans**

Upon approval of the concept, our team will begin developing preliminary construction documents in accordance with Hall County and GDOT requirements. The horizontal and vertical alignments will be developed, taking into account property impacts, the existing terrain, and the constructability of the project. In addition, initial quantities and right-of-way footprint will be developed before the preliminary plan review and right-of-way plan submission. The following is a list of the basic tasks associated with the Preliminary Design of the project:

- Development of typical sections
- Development of proposed vertical and horizontal alignments
- Evaluation of existing drainage system and development of proposed design improvements
- Development of cross sections
- Preparation of staging and traffic control plans
- Preparation of signing and marking plans
- Preparation of retaining wall plans (if applicable)
- Preparation of pavement design
- Preparation of preliminary erosion control plan
- Establishment of preliminary right of way and construction easements
- Development of preliminary construction cost estimate
- QC/QA throughout the development of the preliminary construction documents
- Preliminary plan submittals, review and attend the PFPR

## **Right of Way Plans**

After the successful completion and approval of the preliminary plans, our team will begin preparing the required right-of-way plans. Based on our preliminary review, we estimated that the project will impact approximately 22 parcels. For the 22 expected impacted parcels, right-of-way and easement takes will be established along with descriptions.

## **Final Construction Plans**

After the final right-of-way plans have been submitted and approved by the County, our team will begin developing the final construction plans and construction documents needed to let the project. This will include preparing final construction cost estimates, special provisions, final utility coordination of proposed utilities, and obtaining all the necessary permits if applicable.

#### Bid and Construction Services - Task 3

## **Bid Process Phase**

Atlas will prepare the corresponding bid documents, distribute plans and specifications to prequalified contractors, handle requests for clarifications, prepare the necessary bid addenda, handle bid opening, evaluate and tabulate bids and provide a recommendation of award letter.

#### **Construction Administration**

We will visit the project site once a month to verify that the project is being constructed in compliance with the design criteria specified in the construction plans and documents. We assumed 18 months of construction time. We will attend the kick-off meeting and construction progress meetings. We will also review field changes, change orders, pay applications, RFI, and shop drawings, and prepare the 7-day erosion control inspection letter as per EPD requirements.

#### **Additional Services**

## 1. Traffic Studies & ICE Analysis

The traffic study will include a comprehensive traffic analysis of the intersection and approach roadways. The study would be a tool to validate the County's current concept plan improvements or to determine if additional improvements are needed to meet the County, traveling public, and stakeholder needs. The following tasks will be performed:

- Collect existing traffic and accident data for the study area.
- Conduct a capacity analysis of the intersection for Existing, Open Year, and Design Year.
- Prepare a memorandum describing the findings of the study.
- Prepare a GDOT ICE analysis for the intersection.

## 2. Environmental Screening & Phase 1 Environmental Site Assessment

Environmental Screening will consist of the following activities:

- Environmental survey to identify state or federally jurisdictional water resources.
- Coordinate with the local issuing authority and or Georgia Environmental Protection
   Division to determine whether identified resources are considered buffered resources.
- Phase 1 Environmental Site Assessment
- Ground Penetrating Radar at cemetery locations

#### **Assumptions**

- Preliminary desktop screening did not identify waters of the US within the project area.
- Environmental field surveys for ecology will be completed to verify the presence/absence
  of waters. If identified, waters of the US will be provided to design to incorporate into the
  plans.
- No permits are anticipated.

## 3. Pavement Evaluation

We will core the existing pavement to determine the potential resurfacing pavement design structure.

### **Exclusions**

- No environmental permitting or mitigation is included in the proposal. If permitting or mitigation is needed, this will be considered additional work, which will be provided and billed at the agreed-upon contract rates.
- 2. No Phase 2 ESA is included in the proposal. If a Phase 2 ESA is needed, this will be considered additional work, which will be provided and billed at the agreed-upon contract rates.
- 3. No right-of-way staking is included in the proposal. If Right of Way Staking is needed, this will be considered additional work, which will be provided and billed at the agreed-upon contract rates.

# **BID FORM**

Company Name:	Atlas Technical Consultants LLC								
Bidder's Name:	Todd I. Long, PE, PTOE								
Date: 3.26.2024									
Bid Lump Sum Amo	ount \$ 566,405								
Anticipated Comple	etion Time: 18 months from NTP								
Please see our letter for additional services pricing requested in Jorge Gomez's email of February 29, 2024.									
-	-								

Please sign below and return to <a href="mailto:apenick@hallcounty.org">apenick@hallcounty.org</a>.

**IN WITNESS WHEREOF**, said Parties have hereunto affixed their signature and seal on the day, month, and year first above written:

Atlas Technical Consultants, LLC	HALL COUNTY, GEORGIA
(Contractor's Full Legal Corporate Name)	
By:	By: Richard Higgins, Chairman Hall County Board of Commissioners
Print Name: Todd Long, PE, PTOE	Attestment:
Attestment:Adolfo Guzman	Board of Commissioners Clerk
	APPROVED AS TO FORM:
	County Attorney

## **Hall COUNTY**

# SR 365/ US 23 at White Sulphur Road Intersection Improvements & Widening

# **Estimated Project Costs**

26-Mar-24

1. Direct Labor (Specify)	Fat L'aver	Deta/Un	Fat 0 == 1 (ft)	Tatala
Personnel	Est Hours	Rate/Hr	Est. Cost (\$)	Totals
CONCEPT		400000	****	
Principal in Charge	1	\$200.00		
Project Manager	69	\$175.00		
QAQC Senior Review Engineer – PE	1	\$175.00	\$175.00	
Survey Department Head – RLS		\$150.00		
Registered Land Surveyor		\$100.00		
2-Man Survey Crew		\$110.00		
Site / Hydro / Stormwater Engineer – PE		\$120.00		
Senior Roadway Design Engineer – PE		\$160.00		
Roadway Design Engineer	136	\$100.00	\$13,600.00	
Design Technician / CAD Operator	400	\$70.00	\$28,000.00	
Senior Structural Designer – PE	160	\$160.00	\$25,600.00	
Structural Designer		\$110.00		
Senior Traffic Engineer / Signal Engineer – PE		\$150.00		
Traffic Signal Design Engineer – EIT		\$100.00		
Environmental Manager		\$125.00		
Environmental Scientist (Ecologist, Historian,				
Archaeologist)		\$100.00		
Geologist (landfill, groundwater)		\$100.00		
Senior Geotechnical Engineer – PE	55	\$150.00	\$8,250.00	
Landfill Engineer		\$125.00		
Office Engineer	8	\$100.00	\$800.00	
Public Information Coordinator		\$75.00		
Secretary / Administrative Assistant		\$55.00		
DATABASE				
Principal in Charge		\$200.00		
Project Manager		\$175.00		
QAQC Senior Review Engineer – PE	1	\$175.00	\$175.00	
Survey Department Head – RLS	10	\$150.00	\$1,500.00	
Registered Land Surveyor	56	\$100.00	\$5,600.00	
2-Man Survey Crew	318	\$110.00	\$34,980.00	
Site / Hydro / Stormwater Engineer – PE		\$120.00		
Senior Roadway Design Engineer – PE		\$160.00		
Roadway Design Engineer		\$100.00		
Design Technician / CAD Operator	164	\$70.00	\$11,480.00	
Senior Structural Designer – PE		\$160.00		
Structural Designer		\$110.00		
Senior Traffic Engineer / Signal Engineer – PE		\$150.00		
Traffic Signal Design Engineer – EIT		\$100.00		
Environmental Manager		\$125.00		
Environmental Scientist (Ecologist, Historian,				
Archaeologist)		\$100.00		
Geologist (landfill, groundwater)		\$100.00		
Senior Geotechnical Engineer – PE		\$150.00		
Landfill Engineer		\$125.00		
Office Engineer	24	\$100.00	\$2,400.00	
Public Information Coordinator		\$75.00		
Secretary / Administrative Assistant		\$55.00		
TOTAL	573			\$56,135.0

Principal in Charge	DDEL MAINA DV ENGINEEDING		-	1	
Project Manager	PRELIMINARY ENGINEERING		400000		
GAGC Sentor Review Engineer – PE					
Survey Department Head – RLS		126		\$22,050.00	
Registered Land Surveyor					
2-Man Survey Crew   \$110.00   Site / Hydro / Stormwater Engineer - PE   \$120.00   \$149.00.00   \$150.00   \$150.00   \$150.00   \$104.800.00   \$104.000   \$100.00			7		
Site   Hydro   Stomwater Engineer - PE					
Senior Roadway Design Engineer - PE   310   \$160.00   \$49,600.00					
Roadway Design Engineer   1048   \$100.00   \$104,800.00   Senior Structural Designer – PE   \$160.00   \$32,200.00   Senior Structural Designer – PE   \$160.00   \$32,200.00   Senior Structural Designer – PE   \$160.00   Structural Designer   40   \$110.00   \$4,400.00   Senior Traffic Engineer / Signal Engineer – PE   28   \$150.00   \$4,200.00   Senior Traffic Engineer / Signal Engineer – PE   28   \$150.00   \$4,200.00   Senior Traffic Engineer - EIT   92   \$100.00   \$9,200.00   Senior Structural Manager   \$125.00   Senior Geotechnical Engineer - PE   \$150.00   Senior Geotechnical Engineer - PE   \$150.00   Senior Geotechnical Engineer   \$150.00   Secretary / Administrative Assistant   \$55.00   Secretary / Administrative Assistant   \$55.00   Secretary / Administrative Assistant   \$55.00   Secretary / Administrative Assistant   \$200.00   Secretary / Secretary / Administrative Assistant   \$200.00   Secretary / Administrative Assistant   \$200.00   Secretary /					
Design Technician (ZAD Operator PE   \$160.00   \$32,200.00   Senior Structural Designer PE   \$160.00   \$110.00   \$4,400.00   Structural Designer PE   \$160.00   \$4,200.00   \$4,200.00   \$4,200.00   \$4,200.00   \$17affic Engineer (Signal Engineer PE   28   \$150.00   \$4,200.00   \$17affic Engineer (Signal Engineer PE   28   \$150.00   \$4,200.00   \$17affic Engineer (Signal Engineer PE   \$150.00   \$125.00   \$12					
Senior Structural Designer - PE					
Structural Designer		460		\$32,200.00	
Senior Traffic Engineer / Signal Engineer – PE					
Traffic Signal Design Engineer – EIT   92   \$100.00   \$9,200.00					
Environmental Manager		28			
Environmental Scientist (Ecologist, Historian, Archaeologist)		92		\$9,200.00	
S100.00	Environmental Manager		\$125.00		
Geologist (landfill, groundwater)	Environmental Scientist (Ecologist, Historian,				
Senior Geotechnical Engineer - PE	Archaeologist)		\$100.00		
Senior Geotechnical Engineer - PE	Geologist (landfill, groundwater)		\$100.00		
Landfill Engineer			\$150.00		
Office Engineer         15         \$100.00         \$1,500.00           Public Information Coordinator         \$75.00         \$75.00           Secretary / Administrative Assistant         \$55.00           TOTAL 2119         \$227,950.1           RW PLANS PREPARARTION           Priojed In Charge         \$200.00           Project Manager         26         \$175.00           QAQC Senior Review Engineer – PE         \$175.00           Survey Department Head – RLS         \$150.00           Registered Land Surveyor         \$100.00           2-Man Survey Crew         \$110.00           Site / Hydro / Stormwater Engineer – PE         \$120.00           Senior Roadway Design Engineer         120         \$100.00           Roadway Design Engineer         120         \$100.00         \$12,000.00           Senior Structural Designer – PE         \$160.00         \$2,800.00           Senior Structural Designer – PE         \$160.00         \$2,800.00           Senior Traffic Engineer / Signal Engineer – PE         \$160.00         \$2,800.00           Senior Traffic Engineer / Signal Engineer – PE         \$150.00         Fraffic Signal Design Engineer – PE         \$100.00           Environmental Manager         \$125.00         Fraffic Signal Design Engineer –					
Public Information Coordinator   \$75,00   Secretary / Administrative Assistant   \$55,00		15		\$1,500.00	
TOTAL   2119   \$227,950.				, ,=======	
TOTAL   2119   \$227,950.					
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RW PLANS PREPARARTION					
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Principal in Charge					· · · · · · · · · · · · · · · · · · ·
Principal in Charge	R/W PLANS PREPARARTION				
Project Manager			\$200.00		
SACC Senior Review Engineer – PE		26		\$4,550.00	
Survey Department Head - RLS   \$150.00   Registered Land Surveyor   \$100.00   \$110.0				ψ1,000.00	
Registered Land Surveyor   \$100.00					
2-Man Survey Crew					
Site / Hydro / Stormwater Engineer – PE					
Senior Roadway Design Engineer - PE					
Roadway Design Engineer		28		\$4.480.00	
Design Technician / CAD Operator   40					
Senior Structural Designer – PE   \$160.00					
Structural Designer   \$110.00		40		Ψ2,000.00	
Senior Traffic Engineer / Signal Engineer – PE		<del></del>			
Traffic Signal Design Engineer - EIT					
Environmental Manager		<del></del>			
Environmental Scientist (Ecologist, Historian, Archaeologist)  Geologist (landfill, groundwater)  Senior Geotechnical Engineer – PE  Landfill Engineer  Office Engineer  Public Information Coordinator  Secretary / Administrative Assistant  TOTAL  TOTAL  TOTAL  TOTAL  Principal in Charge  Project Manager  QAQC Senior Review Engineer – PE  Survey Department Head – RLS  Registered Land Surveyor  Site / Hydro / Stormwater Engineer – PE  Senior Roadway Design Engineer  Engineer  Pesign Technician / CAD Operator  Design Technician / CAD Operator  Senior Structural Designer – PE  110.00  \$110.00  \$110.00  \$110.00  \$24, \$100.00  \$45,200.00  Senior Structural Designer – PE  24 \$160.00  \$3,840.00		+			
Archaeologist   \$100.00     Geologist (landfill, groundwater)   \$100.00     Senior Geotechnical Engineer – PE   \$150.00     Landfill Engineer   \$125.00     Office Engineer   \$100.00     Public Information Coordinator   \$75.00     Secretary / Administrative Assistant   \$55.00      TOTAL   214   \$23,830.0     FINAL ENGINEERING   \$200.00     Principal in Charge   \$200.00     Project Manager   44 \$175.00   \$7,700.00     QAQC Senior Review Engineer – PE   \$175.00     Survey Department Head – RLS   \$150.00     Registered Land Surveyor   \$100.00     2-Man Survey Crew   \$110.00     Site / Hydro / Stormwater Engineer – PE   \$120.00     Senior Roadway Design Engineer   PE   \$120.00     Senior Roadway Design Engineer   452 \$100.00   \$27,520.00     Roadway Design Engineer   452 \$100.00   \$45,200.00     Design Technician / CAD Operator   240 \$70.00   \$16,800.00     Senior Structural Designer – PE   24 \$160.00   \$3,840.00	9		\$125.00		
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Senior Geotechnical Engineer – PE					
Landfill Engineer					
Office Engineer         \$100.00           Public Information Coordinator         \$75.00           Secretary / Administrative Assistant         \$55.00           TOTAL 214         \$23,830.0           FINAL ENGINEERING           Principal in Charge         \$200.00           Project Manager         44         \$175.00         \$7,700.00           QAQC Senior Review Engineer – PE         \$175.00         \$175.00           Survey Department Head – RLS         \$150.00         \$150.00           Registered Land Surveyor         \$100.00         \$27.50.00           Site / Hydro / Stormwater Engineer – PE         \$120.00         \$27.520.00           Senior Roadway Design Engineer – PE         \$172         \$160.00         \$27,520.00           Roadway Design Engineer         452         \$100.00         \$45,200.00           Design Technician / CAD Operator         240         \$70.00         \$16,800.00           Senior Structural Designer – PE         24         \$160.00         \$3,840.00					
Public Information Coordinator   \$75.00					
Secretary / Administrative Assistant   \$55.00					
TOTAL   214   \$23,830.6					
FINAL ENGINEERING         \$200.00           Principal in Charge         \$200.00           Project Manager         44 \$175.00         \$7,700.00           QAQC Senior Review Engineer – PE         \$175.00           Survey Department Head – RLS         \$150.00           Registered Land Surveyor         \$100.00           2-Man Survey Crew         \$110.00           Site / Hydro / Stormwater Engineer – PE         \$120.00           Senior Roadway Design Engineer – PE         172 \$160.00         \$27,520.00           Roadway Design Engineer         452 \$100.00         \$45,200.00           Design Technician / CAD Operator         240 \$70.00         \$16,800.00           Senior Structural Designer – PE         24 \$160.00         \$3,840.00	Secretary / Administrative Assistant		\$55.00		
FINAL ENGINEERING         \$200.00           Principal in Charge         \$200.00           Project Manager         44 \$175.00         \$7,700.00           QAQC Senior Review Engineer – PE         \$175.00           Survey Department Head – RLS         \$150.00           Registered Land Surveyor         \$100.00           2-Man Survey Crew         \$110.00           Site / Hydro / Stormwater Engineer – PE         \$120.00           Senior Roadway Design Engineer – PE         172 \$160.00         \$27,520.00           Roadway Design Engineer         452 \$100.00         \$45,200.00           Design Technician / CAD Operator         240 \$70.00         \$16,800.00           Senior Structural Designer – PE         24 \$160.00         \$3,840.00					
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Principal in Charge       \$200.00         Project Manager       44 \$175.00 \$7,700.00         QAQC Senior Review Engineer – PE       \$175.00         Survey Department Head – RLS       \$150.00         Registered Land Surveyor       \$100.00         2-Man Survey Crew       \$110.00         Site / Hydro / Stormwater Engineer – PE       \$120.00         Senior Roadway Design Engineer – PE       172 \$160.00 \$27,520.00         Roadway Design Engineer       452 \$100.00 \$45,200.00         Design Technician / CAD Operator       240 \$70.00 \$16,800.00         Senior Structural Designer – PE       24 \$160.00 \$3,840.00	TOTAL	214			\$23,830.00
Principal in Charge       \$200.00         Project Manager       44 \$175.00 \$7,700.00         QAQC Senior Review Engineer – PE       \$175.00         Survey Department Head – RLS       \$150.00         Registered Land Surveyor       \$100.00         2-Man Survey Crew       \$110.00         Site / Hydro / Stormwater Engineer – PE       \$120.00         Senior Roadway Design Engineer – PE       172 \$160.00 \$27,520.00         Roadway Design Engineer       452 \$100.00 \$45,200.00         Design Technician / CAD Operator       240 \$70.00 \$16,800.00         Senior Structural Designer – PE       24 \$160.00 \$3,840.00					
Project Manager       44       \$175.00       \$7,700.00         QAQC Senior Review Engineer – PE       \$175.00         Survey Department Head – RLS       \$150.00         Registered Land Surveyor       \$100.00         2-Man Survey Crew       \$110.00         Site / Hydro / Stormwater Engineer – PE       \$120.00         Senior Roadway Design Engineer – PE       172       \$160.00       \$27,520.00         Roadway Design Engineer       452       \$100.00       \$45,200.00         Design Technician / CAD Operator       240       \$70.00       \$16,800.00         Senior Structural Designer – PE       24       \$160.00       \$3,840.00					
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Registered Land Surveyor       \$100.00         2-Man Survey Crew       \$110.00         Site / Hydro / Stormwater Engineer – PE       \$120.00         Senior Roadway Design Engineer – PE       172       \$160.00       \$27,520.00         Roadway Design Engineer       452       \$100.00       \$45,200.00         Design Technician / CAD Operator       240       \$70.00       \$16,800.00         Senior Structural Designer – PE       24       \$160.00       \$3,840.00	QAQC Senior Review Engineer – PE				
2-Man Survey Crew       \$110.00         Site / Hydro / Stormwater Engineer – PE       \$120.00         Senior Roadway Design Engineer – PE       172       \$160.00       \$27,520.00         Roadway Design Engineer       452       \$100.00       \$45,200.00         Design Technician / CAD Operator       240       \$70.00       \$16,800.00         Senior Structural Designer – PE       24       \$160.00       \$3,840.00					
Site / Hydro / Stormwater Engineer – PE       \$120.00         Senior Roadway Design Engineer – PE       172       \$160.00       \$27,520.00         Roadway Design Engineer       452       \$100.00       \$45,200.00         Design Technician / CAD Operator       240       \$70.00       \$16,800.00         Senior Structural Designer – PE       24       \$160.00       \$3,840.00					
Senior Roadway Design Engineer – PE       172       \$160.00       \$27,520.00         Roadway Design Engineer       452       \$100.00       \$45,200.00         Design Technician / CAD Operator       240       \$70.00       \$16,800.00         Senior Structural Designer – PE       24       \$160.00       \$3,840.00			\$110.00		
Senior Roadway Design Engineer – PE       172       \$160.00       \$27,520.00         Roadway Design Engineer       452       \$100.00       \$45,200.00         Design Technician / CAD Operator       240       \$70.00       \$16,800.00         Senior Structural Designer – PE       24       \$160.00       \$3,840.00			\$120.00		
Roadway Design Engineer         452         \$100.00         \$45,200.00           Design Technician / CAD Operator         240         \$70.00         \$16,800.00           Senior Structural Designer – PE         24         \$160.00         \$3,840.00		172		\$27,520.00	
Design Technician / CAD Operator         240         \$70.00         \$16,800.00           Senior Structural Designer – PE         24         \$160.00         \$3,840.00		452	\$100.00		
Senior Structural Designer – PE 24 \$160.00 \$3,840.00		240			
		24			
Ottavial Designer   10  \$110.00  \$1,700.00	Structural Designer	16	\$110.00		

3. Maximum Amount of Contract Proposal (1) + (2)				\$566,405.00
Total Other Direct Costs				\$15,500.00
,				, .,
Laboratory				\$4,000.00
Private Utility				\$1,200.00
Drilling Rig				\$4,000.00
Coring				\$1,200.00
Travel/Mileage (Survey & SUE)				\$4,100.00
Plotting/Reproduction				\$1,000.00
2. Other Direct Costs (Specify)				
Total Direct Labor				\$550,905.00
TOTAL	318			\$43,920.00
Secretary / Administrative Assistant		\$55.00		
Public Information Coordinator		\$75.00		
Office Engineer		\$100.00		
Landfill Engineer		\$125.00		
Senior Geotechnical Engineer – PE		\$150.00		
Geologist (landfill, groundwater)		\$100.00		
Archaeologist)		\$100.00		
Environmental Scientist (Ecologist, Historian,				
Environmental Manager		\$125.00		
Traffic Signal Design Engineer – EIT		\$100.00		
Senior Traffic Engineer / Signal Engineer – PE		\$150.00		
Structural Designer		\$110.00		
Senior Structural Designer – PE	16	\$160.00	\$2,560.00	
Design Technician / CAD Operator	40	\$70.00	\$2,800.00	
Roadway Design Engineer	56	\$100.00	\$5,600.00	
Senior Roadway Design Engineer – PE	206	\$160.00	\$32,960.00	
Site / Hydro / Stormwater Engineer – PE		\$120.00		
2-Man Survey Crew		\$110.00		
Registered Land Surveyor		\$100.00		
Survey Department Head – RLS		\$150.00		
QAQC Senior Review Engineer – PE		\$175.00		
Project Manager		\$175.00		
Principal in Charge		\$200.00		
BID & CONSTRUCTION SERVICES				
				+ ,
TOTAL	1018			\$110,370.00
Secretary / Administrative Assistant		φ55.00		
Secretary / Administrative Assistant		\$55.00		
Public Information Coordinator	23	\$75.00	\$2,500.00	
Office Engineer	25	\$125.00	\$2,500.00	
Landfill Engineer		\$130.00		
Senior Geotechnical Engineer – PE		\$100.00		
Archaeologist) Geologist (landfill, groundwater)		\$100.00 \$100.00		
Environmental Scientist (Ecologist, Historian,		£400.00		
Environmental Manager		\$125.00		
Traffic Signal Design Engineer – EIT	34	\$100.00	\$3,400.00	
Senior Traffic Engineer / Signal Engineer – PE	11	\$150.00	\$1,650.00	

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Task Description	Principal-in-Charge	Project Manager	QAQC Senior REview Engineer - PE	Survey Department Head – RLS	Registered Land Surveyor	2-Man Survey Crew	Site / Hydro / Stormwater Engineer – PE	Senior Roadway Design Engineer – PE	Roadway Design Engineer	Design Technician / CAD Operator	Senior Structural Designer – PE	Structural Designer	Senior Traffic Engineer / Signal Engineer – PE	Traffic Signal Design Engineer - EIT	Environmental Manager	Environmental Scientist (Ecologist, Historian, Archaeologist)	Geologist (landfill, groundwater)	Senior Geotechnical Engineer – PE	Landfill Engineer	Office Engineer	Public Information Coordinator	Secretary / Administrative Assistant	
CONCEPT																							
Road Design																							
Typical Sections		4							8	40	20												
Concept Dvelopment & Layout on Aerial Photo		24							40	120	40												
Construction Staging - Outline		8							24	40													
Utility Conflicts - Prelim. Analysis		8							8	40	40									8			
Concept Cost Estimate		8							8	40	20												
Drainage Design / Hydrology																							
Preliminary Analysis & Coordination		8							40	40	20												
Structural Design																							
Wall-Type Analysis		4							8	40													
Geotechnical																							
Soil Survey	1	5	1							40								55					
TOTALS	1	69	1						136	400	160							55		8			
DATABASE																							
Field Surveys, Property Research/Resolution/ROW Staking						238																	
Field Surveys, SUE			1	2		80														8			
Survey Data Reduction				8	56					134										8			
Subsurface Utility Engineering Database										30										8			
TOTALS			1	10	56	318				164										24			
PRELIMINARY ENGINEERING																							
Site Visits													4	4									
Road Design																							
Typical Sections		4						8	36	36													
Horizontal Geometry		8						20	120	20													
Roadway Profiles		8						12	80														
Intersection Sight Distance Calc's		4						4	40	24													
Cross Sections								4	40	8													
Driveway Profiles		2						10	32	20													
Staging Plans		8						40	100	40													
R/W and Constr. ESMT Limits		8						20	60	32													
Utility Plans (Existing Only)		8						8	20											15			
Traffic Engineering Design																							
Signing and Marking Plans (Prelim)													8	50									
Signal Plans (Prelim)													2	32									
Drainage Design / Hydrology				Ī																			

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Task Description	Principal-in-Charge	Project Manager	QAQC Senior REview Engineer - PE	Survey Department Head – RLS	Registered Land Surveyor	2-Man Survey Crew	Site / Hydro / Stormwater Engineer – PE	Senior Roadway Design Engineer – PE	Roadway Design Engineer	Design Technician / CAD Operator	Senior Structural Designer – PE	Structural Designer	Senior Traffic Engineer / Signal Engineer – PE	Traffic Signal Design Engineer - EIT	Environmental Manager	Environmental Scientist (Ecologist, Historian, Archaeologist) Geologist (landfill, groundwater)	Senior Geotechnical Engineer - PE	-andfill Engineer	Office Engineer	Public Information Coordinator	Secretary / Administrative Assistant		
Roadway Drainage Design	п.	8	ОШ	O LE	LE.	- 7	σш	20				o)	σш	<u> </u>	ш	ше <b>ч</b> ов	00		0	п.	00 ∢		_
Drainage Profiles		4						16	60														_
-		4						10	60	40													_
MS4 Analysis - Assume no-MS-4 Erosion Control																							_
								20	120	40													_
BMP Plans (Per Stage)		8						20	120	40													_
Sediment Basins (Calcs & Plans)																1							_
Structural Design		16						36	80	32		40											_
Preliminary Retaining Wall Design Preliminary Plan Preparation		16						36	80	32		40											_
•		4						20	40	40													_
Cover, Index, General Notes, Const Plans  PVMT Design Analysis		4						12	40														_
		8						20	20														_
Prelim. Cost Estimate		8						20	20														_
Plan Reviews		8						32															_
Quality Assurance Review(s)  Preliminary Field Plan Review		8 8						32	8	8			8										_
•		8						8	32				2										_
Address Review Comments  TOTALS	3	126						310				40							15	i			
R/W PLANS PREPARARTION																							
Plan Development																							
R/W Plan Preparation 22 Parcels		16						20	80	20													
Revisons		10						8	40	20													
TOTALS	5	26						28	120	40													
FINAL ENGINEERING																							
Project Management																							
Project Management / Administration																							
Coordination Meetings																							
Geotechnical																							
Soil Survey																							
Road Design																							_
Final Plans Preparation		4						20	40	40													_
Utility Plans & Conflict Resolution		8						20	40										25	5			
Quantities & Special Provisions		6						20	40														_
Detailed Estimate / Cost Estimate		2						8	16														_
Lighting Plans								Ū															_
Earthwork Calculations (Per Stage)		2						8	32												1		
Fraffic Engineering Design								Ĭ													1		
Signing & Marking Plans (Final)														16									.— I
Signal Plans (Final)	1 1													6						1	1		_

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Task Description	Principal-in-Charge	Project Manager	QAQC Senior REview Engineer - PE	Survey Department Head – RLS	Registered Land Surveyor	2-Man Survey Crew	Site / Hydro / Stormwater Engineer – PE Senior Roadway Design	Engineer – PE	Roadway Design Engineer	Design Technician / CAD Operator	Senior Structural Designer – PE	Structural Designer	Senior Traffic Engineer / Signal Engineer – PE	Traffic Signal Design Engineer - EIT	Environmental Manager	Environmental Scientist (Ecologist, Historian, Archaeologist)	Geologist (landfill, groundwater)	Senior Geotechnical Engineer - PE	Landfill Engineer	Office Engineer	Public Information Coordinator	Secretary / Administrative Assistant		
Misc. Sign Details														6										
Drainage Design / Hydrology																								
Final Drainage Analysis & Design		2						20	40	40														
Erosion Control																								
Finilize Erosion Control Plans		4						20	40	40														
Structural Design																								
Final Retaining Wall Design Plans		4						8	60	16		16												
Plan Reviews																								
Quality Assurance Review								40					2											
Final Field Plan Review		8							8				8											
Address Review Comments		4						8	40	24	24		1	6										
Bid Documents & Bidding																								
Preparation of Bid Documents									80															
Bid Review and Recommendations									16															
TOTALS		44						172	452	240	24	16	11	34						25				
CONSTRUCTION ADM & INSPECTION SERVICES																								
Project Site Visits Once a Month - Assume 18 Month Construction								80																
Answer Design Questions during Construction								24																
Attend Construction meeting to Address Design Issues								40																
Revise Plans for Use-On Construction								8	24	40														
Prepare 7-day Erosion Control Inspection Letter								6																
Review Field Chnages, Change Orders, Pay Application, RFI and Shop drawings								48	32		16													
TOTALS								206	56	40	16													
GRAND TOTALS	1	265	2	10	56	318		716	1812	1344	200	56	39	126				55		72				

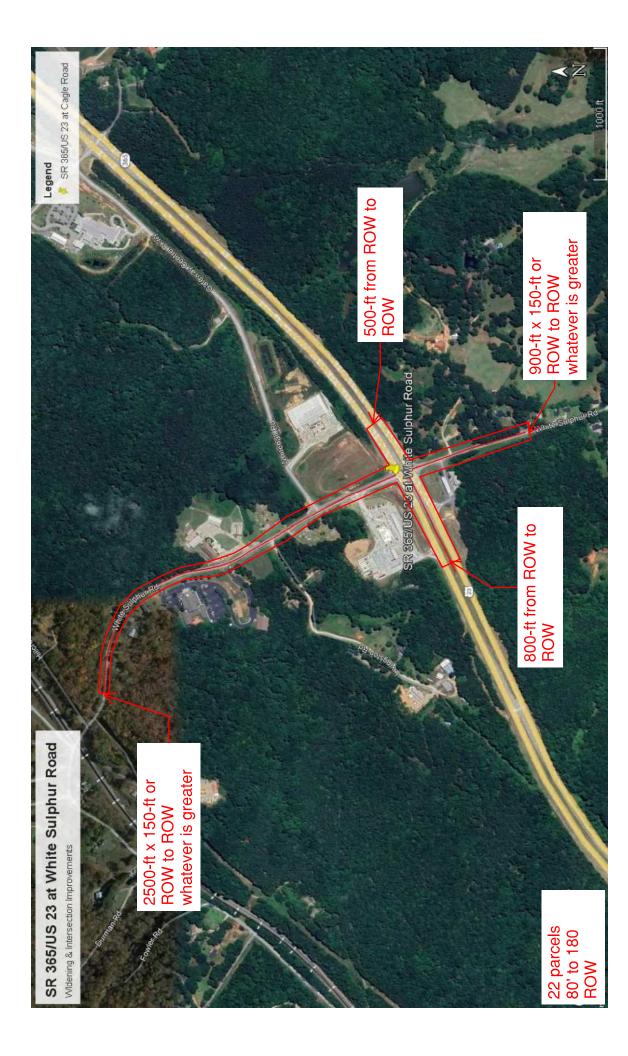


Exhibit A

# **Additional Services Fee Proposal**

# Hall COUNTY SR 365/ US 23 at White Sulphur Road Intersection Improvements & Widening

# Traffic Studies & ICE Analysis Estimated Project Costs

14-Mar-24

Direct Labor (Specify)		AIL	AS ILCHNICAL	CONSULTANTS
Personnel	Est Hours	Rate/Hr	Est. Cost (\$)	Totals
CONCEPT	Lot Hours	rtato///ii	Σοι. σοσι (ψ)	rotaio
Principal in Charge		\$200.00		
Project Manager		\$175.00		
QAQC Senior Review Engineer – PE		\$175.00		
Survey Department Head – RLS		\$150.00		
Registered Land Surveyor		\$100.00		
2-Man Survey Crew		\$110.00		
Site / Hydro / Stormwater Engineer – PE		\$120.00		
Senior Roadway Design Engineer – PE		\$160.00		
Roadway Design Engineer		\$100.00		
Design Technician / CAD Operator		\$70.00		
Senior Structural Designer – PE		\$160.00		
Structural Designer		\$110.00		
Senior Traffic Engineer / Signal Engineer – PE	24	\$150.00	\$3,600.00	
Traffic Signal Design Engineer – EIT	52	\$100.00	\$5,200.00	
Environmental Manager		\$125.00		
Environmental Scientist (Ecologist, Historian,		-		
Archaeologist)		\$100.00		
Geologist (landfill, groundwater)		\$100.00		
Senior Geotechnical Engineer – PE		\$150.00		
Landfill Engineer		\$125.00		
Office Engineer		\$100.00		
Public Information Coordinator		\$75.00		
Secretary / Administrative Assistant		\$55.00		
TOTAL	. 76			\$8,800.00
Total Direct Labor				\$8,800.00
2. Other Direct Costs (Specify)	1			.,
Traffic Counts				\$1,600.00
Total Other Direct Costs				\$1,600.00
3. Maximum Amount of Contract Proposal (1) + (2)	2)			\$10,400.00

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Task Description	Principal-in-Charge	Project Manager	QAQC Senior REview Engineer - PE	Survey Department Head – RLS	Registered Land Surveyor	2-Man Survey Crew	Site / Hydro / Stormwater Engineer – PE	Senior Roadway Design Engineer – PE	Roadway Design Engineer	Design Technician / CAD Operator	Senior Structural Designer – PE	Structural Designer	Senior Traffic Engineer / Signal Engineer – PE	Traffic Signal Design Engineer – EIT	Environmental Manager	Environmental Scientist (Ecologist, Historian, Archaeologist)	Geologist (landfill, groundwater)	Senior Geotechnical Engineer - PE	Landfill Engineer	Office Engineer	Public Information Coordinator	Secretary / Administrative Assistant	
CONCEPT																							
Traffic Studies																							
Data Collection													2	4									
Traffic Forecasting (ADT, DHV)													2	4									
Capacity Analysis (Synchro)													10	24									
ICE Analysis													10	20									
									-								-						
TOTALS													24	52									
GRAND TOTALS													24	52									

## **Hall COUNTY**

# SR 365/ US 23 at White Sulphur Road Intersection Improvements & Widening

# **Environmental Screening Estimated Project Costs**

14-Mar-24

### ATLAS TECHNICAL CONSULTANTS

1. Direct Labor (Specify)				
Personnel	Est Hours	Rate/Hr	Est. Cost (\$)	Totals
CONCEPT			ì	
Principal in Charge		\$200.00		
Project Manager		\$175.00		
QAQC Senior Review Engineer – PE		\$175.00		
Survey Department Head – RLS		\$150.00		
Registered Land Surveyor		\$100.00		
2-Man Survey Crew		\$110.00		
Site / Hydro / Stormwater Engineer – PE		\$120.00		
Senior Roadway Design Engineer – PE		\$160.00		
Roadway Design Engineer		\$100.00		
Design Technician / CAD Operator		\$70.00		
Senior Structural Designer – PE		\$160.00		
Structural Designer		\$110.00		
Senior Traffic Engineer / Signal Engineer – PE		\$150.00		
Traffic Signal Design Engineer – EIT		\$100.00		
Environmental Manager	16	\$125.00	\$2,000.00	
Environmental Scientist (Ecologist, Historian,				
Archaeologist)	8	\$100.00	\$800.00	
Geologist (landfill, groundwater)		\$100.00		
Senior Geotechnical Engineer – PE		\$150.00		
Landfill Engineer		\$125.00		
Office Engineer		\$100.00		
Public Information Coordinator		\$75.00		
Secretary / Administrative Assistant		\$55.00		
TOTAL	24			\$2,800.00
				-
Total Direct Labor				\$2,800.00
2. Other Direct Costs (Specify)				
Plotting/Reproduction				
Travel/Mileage				\$100.00
Ground Penetrating Radar (Cemetery)				\$6,350.00
Total Other Direct Costs				\$6,450.00
3. Maximum Amount of Contract Proposal (1) + (2	2)			\$9,250.00

If it is determine that an environmental permit is require then the additional services will be provided & billed at the above applicable rates.

					MAN-	HOUR	ESTIN	1ATE F	OR EN	VIRON	MENT	A SCR	EENIN	G										
Task Description	Principal-in-Charge	Project Manager	QAQC Senior REview Engineer - PE	Survey Department Head – RLS	Registered Land Surveyor	2-Man Survey Crew	Site / Hydro / Stormwater Engineer – PE	Senior Roadway Design Engineer – PE	Roadway Design Engineer	Design Technician / CAD Operator	Senior Structural Designer – PE	Structural Designer	Senior Traffic Engineer / Signal Engineer – PE	Traffic Signal Design Engineer – EIT	Environmental Manager	Environmental Scientist (Ecologist, Historian, Archaeologist)	Geologist (landfill, groundwater)	Senior Geotechnical Engineer - PE	Landfill Engineer	Office Engineer	Public Information Coordinator	Secretary / Administrative Assistant		
CONCEPT																								$\vdash$
Environmental																								
Environmental Surveys																8								
Preliminary Analysis & Coordination															16	6								
TOTALS															16	8								
GRAND TOTALS															16	5 8								

# Hall COUNTY SR 365/ US 23 at SR 52 Intersection Intersection Improvements

# Phase 1 Environmental Site Assesment Estimated Project Costs

14-Mar-24

Direct Labor (Specify)		AIL	AS TECHNICAL	CONSULTANTS
Personnel	Est Hours	Rate/Hr	Est. Cost (\$)	Totals
CONCEPT	Latitiours	Nateriii	Lst. Cost (4)	Totals
Principal in Charge		\$200.00		
Project Manager	2	\$175.00	\$350.00	
QAQC Senior Review Engineer – PE		\$175.00	\$350.00	
Survey Department Head – RLS	1	\$150.00		
Registered Land Surveyor		\$100.00		
2-Man Survey Crew	1	\$100.00		
Site / Hydro / Stormwater Engineer – PE		\$120.00		
Senior Roadway Design Engineer – PE		\$120.00		
Roadway Design Engineer – FE		\$100.00		
Design Technician / CAD Operator		\$70.00		
Senior Structural Designer – PE		\$160.00		
Structural Designer		\$100.00		
Senior Traffic Engineer / Signal Engineer – PE		\$150.00		
Traffic Signal Design Engineer – EIT		\$100.00		
Environmental Manager	16	\$100.00	\$2,000.00	
Environmental Scientist (Ecologist, Historian,	10	ψ123.00	Ψ2,000.00	
Archaeologist)	48	\$100.00	¢4 900 00	
Geologist (landfill, groundwater)	40	\$100.00	\$4,800.00	
Senior Geotechnical Engineer – PE		\$150.00		
Landfill Engineer		\$130.00		
Office Engineer	1	\$125.00		
Public Information Coordinator		\$75.00		
Secretary / Administrative Assistant		\$55.00		
Secretary / Administrative Assistant		<b>\$55.00</b>		
TOTAL	66			\$7,150.00
Total Direct Labor				\$7,150.00
2. Other Direct Costs (Specify)				
Plotting/Reproduction				\$331.20
Travel/Mileage				\$53.60
Total Other Direct Costs				\$384.80
3. Maximum Amount of Contract Proposal (1) + (2	2)			\$7,534.80

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Task Description	Principal-in-Charge	Project Manager	QAQC Senior REview Engineer - PE Survey Department Head -	RLS Registered Land Surveyor	2-Man Survey Crew	Site / Hydro / Stormwater Engineer – PE	Senior Roadway Design Engineer – PE	Roadway Design Engineer	Design Technician / CAD Operator	Senior Structural Designer – PE	Structural Designer	Senior Traffic Engineer / Signal Engineer – PE	Traffic Signal Design Engineer – EIT	Environmental Manager	Environmental Scientist (Ecologist, Historian, Archaeologist)	 Senior Geotechnical Engineer – PE	Landfill Engineer	Office Engineer	Public Information Coordinator	Secretary / Administrative Assistant	
CONCEPT																					
Phase 1 ESA																					
Phase 1 ESA Ressource Surveys															8						
Phase 1 ESA Report		2												16	40						
TOTALS		2												16	48						
GRAND TOTALS		2												16	48						

# Hall COUNTY SR 365/ US 23 at SR 52 Intersection Intersection Improvements

# Pavement Evaluation Estimated Project Costs

14-Mar-24

		AIL	AS TECHNICAL	CONSULTANTS
1. Direct Labor (Specify)				
Personnel	Est Hours	Rate/Hr	Est. Cost (\$)	Totals
CONCEPT				
Principal in Charge		\$200.00		
Project Manager		\$175.00		
QAQC Senior Review Engineer – PE	6	\$175.00	\$1,050.00	
Survey Department Head – RLS		\$150.00		
Registered Land Surveyor		\$100.00		
2-Man Survey Crew		\$110.00		
Site / Hydro / Stormwater Engineer – PE		\$120.00		
Senior Roadway Design Engineer – PE		\$160.00		
Roadway Design Engineer		\$100.00		
Design Technician / CAD Operator	24	\$70.00	\$1,680.00	
Senior Structural Designer – PE		\$160.00		
Structural Designer		\$110.00		
Senior Traffic Engineer / Signal Engineer – PE		\$150.00		
Traffic Signal Design Engineer – EIT		\$100.00		
Environmental Manager		\$125.00		
Environmental Scientist (Ecologist, Historian,				
Archaeologist)		\$100.00		
Geologist (landfill, groundwater)	24	\$100.00	\$2,400.00	
Senior Geotechnical Engineer – PE	40	\$150.00	\$6,000.00	
Landfill Engineer		\$125.00	, ,	
Office Engineer		\$100.00		
Public Information Coordinator		\$75.00		
Secretary / Administrative Assistant		\$55.00		
TOTAL	94			\$11,130.00
T. (12)				<b>644 402 22</b>
Total Direct Labor				\$11,130.00
2. Other Direct Costs (Specify) Plotting/Reproduction				
Travel/Mileage				\$600.00
Coring (16 cores)				\$2,400.00
Traffic Control			+	\$5,000.00
Hame Control				φο,υυυ.υυ
Total Other Direct Costs				\$8,000.00
3. Maximum Amount of Contract Proposal (1) + (2	2)			\$19,130.00

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Task Description	Principal-in-Charge	Project Manager	QAQC Senior REview Engineer - PE	Survey Department Head – RLS	Registered Land Surveyor	2-Man Survey Crew	Site / Hydro / Stormwater Engineer – PE	Senior Roadway Design Engineer – PE	Roadway Design Engineer	Design Technician / CAD Operator	Senior Structural Designer – PE	Structural Designer	Senior Traffic Engineer / Signal Engineer – PE	Traffic Signal Design Engineer – EIT	Environmental Manager	Environmental Scientist (Ecologist, Historian, Archaeologist)	Geologist (landfill, groundwater)	Senior Geotechnical Engineer - PE	Landfill Engineer	Office Engineer	Public Information Coordinator	Secretary / Administrative Assistant			
CONCEPT	$\vdash$																						<del> </del>	+-	+-
PAVEMENT EVALUATION																								<del>                                     </del>	
Existing Pavement Evaluation			6							24							24	40							
	<u> </u>																								
TOTALS			6							24							24	40							
GRAND TOTALS			6							24							24	40							



2450 Commerce Avenue | Suite 100 Duluth, GA 30096-8910 770.263.5945 | F 770.263.0166 oneatlas.com

March 26, 2024

Andy Penick County Purchasing Manager Hall County Government 2875 Brown Bridge Road Gainesville, Georgia 30504

Re: Task Order #2024-029

Civil Engineering Design Services - Engineering Services for SR 365 Corridor - Cagle Road Intersection Improvements

**Fee Proposal** 

Atlas Proposal #24-02975

Dear Mr. Penick,

Atlas Technical Consultants is pleased to submit, as requested, a fee proposal to provide professional design services for the SR 365 Corridor – Cagle Road intersection improvement project. The cost for the professional design services listed in the task order is **\$207,585**.

As requested, we are providing the cost for the following additional services not included in the task order scope of work: Traffic Study – \$10,400 and Environmental Screening – \$2,900. We have meticulously detailed the scope for all remaining tasks in the attached document.

We understand that this project will be County-let and 100% LMIG funded. It is also our understanding that the county's current project concept consists of installing concrete islands outside of SR 365 travel lanes, converting the full access approach from Cagle Road to a right-turn-only condition. A concrete median with striping will be installed in the center of the intersection, allowing for left-turn access onto Cagle Road from SR 365 but eliminating straight or left-turn access from Cagle Road. An additional "U-Turn" lane will also be installed inside the median of SR 365, approximately 0.18 miles south of the Cagle Road Intersection.

Plans will be developed to meet current GDOT, County, AASHTO, and EPD guidelines. We assume this project will not require right of way or public involvement, such as a public hearing or public information meeting. We anticipate completing the following major plan development tasks as per the proposed task order:

- Pre-Design Services/Concept Development Task 1
  - o Survey
  - SUE Utility Location & Coordination



Andy Penick March 26, 2024 Page 2

- Geotechnical studies
- Conceptual layout and cost estimates
- Engineering Design Service/ Preliminary, Final Plans Task 2
  - o Preliminary construction plan submission & approval
  - Final construction plan submission, plans specification, estimate and approval
  - o GDOT, Hall County, and EPD Permit
- Bid and Construction Service Task 3
  - Bid package preparation, project bidding, bid review, and recommendation

If you have any questions or need additional information, please do not hesitate to contact me at 770.530.9194.

Sincerely,

Todd I. Long, PE, PTOE Southern States Hub Leader

cc: Adolfo Guzman, PE Brad Hale, PE



## SCOPE OF WORK

### Pre-Design Services Items - Task 1

Atlas will provide professional engineering and survey services to develop construction documents for the SR 365 at Cagle Road intersection improvements project. The project involves installing concrete islands outside SR 365 travel lanes, converting the full access approach from Cagle Road to a right-turn-only condition. A concrete median with striping will be installed in the center of the intersection, allowing left-turn access onto Cagle Road from SR 365 but eliminating straight or left-turn access from Cagle Road. An additional "U-Turn" lane will also be installed inside the median of SR 365, approximately 0.18 miles south of the Cagle Road intersection.

## **Concept Development**

The Atlas roadway design team will use innovative design techniques during the project's development to provide the safety, operations, and capacity required while meeting the needs of the County's traveling public and stakeholders.

After NTP and upon completion of the database, utility location, and geotechnical survey, we intend to develop a proposed concept layout and associated construction estimate for review and approval by the county. The proposed layout will be developed and evaluated from an engineering/public/environmental perspective, and it will address the project's needs and purpose and meet the area's mobility needs for the project.

Survey – Upon receiving NTP, we will begin work on this task. We will establish control throughout the project, with the horizontal control being referenced to NAD 1983 and the vertical control being tied to the NAVD 1988. The database will be prepared in Open Roads. The expected boundary of the survey will extend as shown in the attached aerial photograph, Exhibit A. Our team will perform courthouse research, obtaining all available plats and deeds of all properties affected by the project. We will then compile a property owners' data file consisting of:

- Owners' names
- Owners' addresses
- Tax parcel numbers
- Land lot and district numbers
- Deed book and page numbers
- Plat book and page numbers
- Existing lot area

#### We will establish the following:

- Locate and identify all existing surface-evident utility facilities, sanitary sewers, stormwater systems, drainage features, existing ground features, driveways, side streets, and any other planimetric structure essential to the project's design.
- 2. Locate right-of-way, property lines, and any other information necessary to design and obtain right-of-way and easements for the project.
- 3. Establish a centerline or baseline for all roadways and driveways. Stationing for the centerline or baseline of all roadways will be painted/pinned and identified.
- 4. Establish profile, as necessary, of all roadways, driveways, and surrounding terrain needed to design roadways, any detours to maintain traffic, design of major drainage structures, design of storm systems, detention, realignment of roads, etc.
- 5. Develop a horizontal and vertical control package.

Utility Location & Coordination – Our team will provide utility coordination and subsurface utility engineering (SUE) services, Level B and Level A, to determine accurate underground utility locations and assess utility conflicts for the project.

Geotechnical Investigation – Our team will perform all the necessary fieldwork investigations and lab analyses to develop the required project soil report.

## **Engineering Design Services - Task 2**

### **Preliminary Construction Plans**

Upon approval of the concept, our team will begin developing preliminary construction documents in accordance with Hall County and GDOT requirements. The horizontal and vertical alignments will be developed, taking into account the existing terrain and constructability of the project. Based on our preliminary review and the County's current concept, we do not expect the need for any right of way, construction easement, or environmental permits for this project. The following is a list of the basic tasks associated with the preliminary design of the project:

- Development of typical sections
- Development of proposed vertical and horizontal alignments
- Evaluation of existing drainage system and development of proposed design improvements
- Development of cross sections
- Preparation of staging and traffic control plans
- Preparation of signing and marking plans
- Preparation of pavement design
- Preparation of preliminary erosion control plan
- Development of preliminary construction cost estimate
- QC/QA throughout the development of the preliminary construction documents
- Preliminary plan submittals, review and attend the PFPR

## **Final Construction Plans**

After the final preliminary plans have been submitted and approved by the County, our team will begin developing the final construction plans and construction documents needed to let the project. This will include preparing final construction cost estimates, special provisions, final utility coordination of proposed utilities, and obtaining all the necessary permits if applicable.

## Bid and Construction Services - Task 3

## **Bidding Process**

Atlas will prepare the corresponding bid documents, distribute plans and specifications to prequalified contractors, handle requests for clarifications, prepare the necessary bid addenda, handle bid opening, evaluate and tabulate bids and provide a recommendation of award letter.

#### **Construction Administration**

We will visit the project site once a month to verify that the project is being constructed in compliance with the design criteria specified in the construction plans & documents. We assumed 6 months of construction time. We will attend the Kick-off meeting and construction progress meetings. We will also review field changes, change orders, pay applications, RFI, and shop drawings and prepare the 7-day erosion control inspection letter as per EPD requirements.

#### **Additional Services**

# 1. Traffic Studies & ICE Analysis

The traffic study will include a comprehensive traffic analysis of the intersection and approach roadways. The study would be a tool to validate the County's current concept plan improvements or to determine if additional improvements are needed to meet the County, traveling public and stakeholder needs. The following tasks will be performed:

- Collect existing traffic and accident data for the study area.
- Conduct a capacity analysis of the intersection for Existing, Open Year, and Design Year.
- Prepare a memorandum describing the findings of the study.
- Prepare a GDOT ICE analysis for the intersection.

## 2. Environmental Screening

Environmental Screening will consist of the following activities:

- Environmental survey to identify state or federally jurisdictional water resources.
- Coordinate with the local issuing authority and/or Georgia Environmental Protection
   Division to determine whether identified resources are considered buffered resources.

### Assumptions

- Preliminary desktop screening did not identify waters of the US within the project area.
- Environmental field surveys for ecology will be completed to verify the presence/absence
  of waters. If identified, waters of the US will be provided to design to incorporate into the
  plans.
- No permits are anticipated.

#### **Exclusions**

- No right-of-way plan or right-of-way plat preparation is included in the proposal, as we
  assume this project will not require any right-of-way. If right-of-way plans are needed, this
  will be considered additional work, which will be provided and billed at the agreed-upon
  contract rates.
- No environmental permitting or mitigation is included in the proposal. If permitting or mitigation is needed, this will be considered additional work, which will be provided and billed at the agreed-upon contract rates.
- 3. No Phase 1 ESA or Phase 2 ESA are included in the proposal. If a Phase 1 ESA & Phase 2 ESA are needed, these will be considered additional work which will be provided and billed at the agreed-upon contract rates.

# **BID FORM**

Company Name:	Atlas Technical Consultants LLC
Bidder's Name:	Todd I. Long, PE, PTOE
Date: 3.26.2024	1
Bid Lump Sum Amo	unt \$207,585
Anticipated Comple	tion Time: 10 months from NTP
Please see our letter Jorge Gomez's emai	for additional services pricing requested in il of February 29, 2024.

Please sign below and return to <a href="mailto:apenick@hallcounty.org">apenick@hallcounty.org</a>.

**IN WITNESS WHEREOF**, said Parties have hereunto affixed their signature and seal on the day, month, and year first above written:

Atlas Technical Consultants, L	<sup>LC</sup> HALL COUNTY, GEORGIA
(Contractor's Full Legal Corporate Name)	·
By:	By: Richard Higgins, Chairman Hall County Board of Commissioners
Print Name: Todd I Long, PE, PTOE	Attestment:
Attestment: Adolfo Guzman	Board of Commissioners Clerk
	APPROVED AS TO FORM:
	County Attorney

## **Hall COUNTY**

# SR 365/ US 23 at Cagle Road Intersection Intersection Improvements

# **Estimated Project Costs**

26-Mar-24

1. Direct Labor (Specify)				
Personnel	Est Hours	Rate/Hr	Est. Cost (\$)	Totals
CONCEPT				
Principal in Charge	1	\$200.00	\$200.00	
Project Manager	14	\$175.00	\$2,450.00	
QAQC Senior Review Engineer – PE	1	\$175.00	\$175.00	
Survey Department Head – RLS		\$150.00		
Registered Land Surveyor		\$100.00		
2-Man Survey Crew		\$110.00		
Site / Hydro / Stormwater Engineer – PE	12	\$120.00	\$1,440.00	
Senior Roadway Design Engineer – PE	14	\$160.00	\$2,240.00	
Roadway Design Engineer	96	\$100.00	\$9,600.00	
Design Technician / CAD Operator	84	\$70.00	\$5,880.00	
Senior Structural Designer – PE		\$160.00		
Structural Designer		\$110.00		
Senior Traffic Engineer / Signal Engineer – PE		\$150.00		
Traffic Signal Design Engineer – EIT		\$100.00		
Environmental Manager		\$125.00		
Environmental Scientist (Ecologist, Historian,				
Archaeologist)		\$100.00		
Geologist (landfill, groundwater)	†	\$100.00		
Senior Geotechnical Engineer – PE	16	\$150.00	\$2,400.00	
Landfill Engineer		\$125.00	ΨΞ, 400.00	
Office Engineer	10	\$100.00	\$1,000.00	
Public Information Coordinator	10	\$75.00	ψ1,000.00	
Secretary / Administrative Assistant		\$55.00		
occident, i reminionalità i reciciani		Ψ00.00		
TOTAL	248			\$25,385.0
				<b>+_0,000.0</b>
DATABASE				
Principal in Charge		\$200.00		
Project Manager		\$175.00		
QAQC Senior Review Engineer – PE	1	\$175.00	\$175.00	
Survey Department Head – RLS	8	\$150.00	\$1,200.00	
Registered Land Surveyor	47	\$100.00	\$4,700.00	
2-Man Survey Crew	190	\$110.00	\$20,900.00	
Site / Hydro / Stormwater Engineer – PE	130	\$120.00	Ψ20,300.00	
Senior Roadway Design Engineer – PE		\$120.00		
Roadway Design Engineer		\$100.00		
Design Technician / CAD Operator	100	\$70.00	\$7,000.00	
Senior Structural Designer – PE	100	\$160.00	φι,υυυ.υυ	
· · · - ·				
Structural Designer Senior Traffic Engineer / Signal Engineer – PE		\$110.00 \$150.00		
		\$150.00		
Traffic Signal Design Engineer – EIT				
Environmental Manager	<del>                                     </del>	\$125.00		
Environmental Scientist (Ecologist, Historian,		A		
Archaeologist)		\$100.00		
Geologist (landfill, groundwater)		\$100.00		
Senior Geotechnical Engineer – PE		\$150.00		
Landfill Engineer		\$125.00		
Office Engineer	9	\$100.00	\$900.00	
Public Information Coordinator		\$75.00		
		\$55.00		
Secretary / Administrative Assistant				
Secretary / Administrative Assistant				
Secretary / Administrative Assistant  TOTAL	355			\$34,875.0

PRELIMINARY ENGINEERING				
Principal in Charge		\$200.00		
Project Manager	33	\$175.00	\$5,775.00	
QAQC Senior Review Engineer – PE		\$175.00	, ,	
Survey Department Head – RLS		\$150.00		
Registered Land Surveyor		\$100.00		
2-Man Survey Crew		\$110.00		
Site / Hydro / Stormwater Engineer – PE		\$120.00		
Senior Roadway Design Engineer – PE	88	\$160.00	\$14,080.00	
Roadway Design Engineer	278	\$100.00	\$27,800.00	
Design Technician / CAD Operator	200	\$70.00	\$14,000.00	
Senior Structural Designer – PE		\$160.00		
Structural Designer	4.0	\$110.00	<b>*</b> 4.000.00	
Senior Traffic Engineer / Signal Engineer – PE	12	\$150.00	\$1,800.00	
Traffic Signal Design Engineer – EIT	34	\$100.00	\$3,400.00	
Environmental Manager		\$125.00		
Environmental Scientist (Ecologist, Historian,				
Archaeologist)		\$100.00		
Geologist (landfill, groundwater)		\$100.00		
Senior Geotechnical Engineer – PE		\$150.00		
Landfill Engineer	-	\$125.00	<b>\$</b> 500.00	
Office Engineer Public Information Coordinator	5	\$100.00	\$500.00	
	+	\$75.00 \$55.00		
Secretary / Administrative Assistant		φ33.00		
	2-2			A07 077 C
TOTAL	650			\$67,355.00
R/W PLANS PREPARATION				
Principal in Charge		\$200.00		
Project Manager		\$175.00		
QAQC Senior Review Engineer – PE		\$175.00		
Survey Department Head – RLS		\$150.00		
Registered Land Surveyor		\$100.00		
2-Man Survey Crew		\$110.00		
Site / Hydro / Stormwater Engineer – PE		\$120.00		
Senior Roadway Design Engineer – PE		\$160.00		
Roadway Design Engineer		\$100.00		
Design Technician / CAD Operator		\$70.00		
Senior Structural Designer – PE		\$160.00		
Structural Designer		\$110.00		
Senior Traffic Engineer / Signal Engineer – PE		\$150.00		
Traffic Signal Design Engineer – EIT		\$100.00		
Environmental Manager		\$125.00		
Environmental Scientist (Ecologist, Historian,				
Archaeologist)		\$100.00		
Geologist (landfill, groundwater)		\$100.00		
Senior Geotechnical Engineer – PE		\$150.00		
Landfill Engineer		\$125.00		
Office Engineer		\$100.00		
Public Information Coordinator		\$75.00		
Secretary / Administrative Assistant		\$55.00		
TOTAL				
FINAL ENGINEERING				
Principal in Charge	+	\$200.00		
Project Manager	8	\$200.00	\$1,400.00	
QAQC Senior Review Engineer – PE	O O	\$175.00	Ψ1,400.00	
Survey Department Head – RLS		\$175.00		
Registered Land Surveyor		\$100.00		
2-Man Survey Crew	+	\$100.00		
Site / Hydro / Stormwater Engineer – PE	+	\$120.00		
Senior Roadway Design Engineer – PE	60	\$160.00	\$9,600.00	
Roadway Design Engineer	244	\$100.00	\$24,400.00	
		ψ . J J J . J J		
	96	\$70.00	\$6.720.00	
Design Technician / CAD Operator Senior Structural Designer – PE	96	\$70.00 \$160.00	\$6,720.00	

3. Maximum Amount of Contract Proposal (1) + (2)				\$207,585.00
Total Other Direct Costs				\$5,600.00
Laboratory				\$1,000.00
Coring				\$1,200.00
Travel/Mileage (Survey & SUE)				\$2,400.00
Plotting/Reproduction				\$1,000.00
2. Other Direct Costs (Specify)				<u> </u>
Total Direct Labor				\$201,985.00
TOTAL	216			\$28,800.00
TOTAL	040			£20.000.00
Secretary / Auministrative Assistant		φυσ.υυ		
Secretary / Administrative Assistant		\$75.00		
Public Information Coordinator		\$75.00		
Office Engineer		\$125.00		
Landfill Engineer	+	\$150.00		
Geologist (landfill, groundwater) Senior Geotechnical Engineer – PE		\$100.00 \$150.00		
	+	\$100.00		
Environmental Scientist (Ecologist, Historian, Archaeologist)		\$100.00		
Environmental Manager Environmental Scientist (Ecologist, Historian,		ֆ1∠5.00		
	20	\$100.00 \$125.00	\$2,000.00	
Traffic Signal Design Engineer – EIT	20		¢2 000 00	
Structural Designer Senior Traffic Engineer / Signal Engineer – PE	+	\$110.00 \$150.00		
Senior Structural Designer – PE Structural Designer	16	\$160.00	\$2,560.00	
Design Technician / CAD Operator	24	\$70.00	\$1,680.00	
Roadway Design Engineer	40	\$100.00	\$4,000.00	
Senior Roadway Design Engineer – PE	116	\$160.00	\$18,560.00	
Site / Hydro / Stormwater Engineer – PE	110	\$120.00	#40 F00 00	
2-Man Survey Crew		\$110.00		
Registered Land Surveyor		\$100.00		
Survey Department Head – RLS		\$150.00		
QAQC Senior Review Engineer – PE		\$175.00		
Project Manager		\$175.00		
Principal in Charge		\$200.00		
BID & CONSTRUCTION SERVICES		****		
	433			\$45,570.00
TOTAL	439			¢45 570 00
Secretary / Administrative Assistant		\$55.00		
Public Information Coordinator		\$75.00		
Office Engineer	10	\$100.00	\$1,000.00	
Landfill Engineer		\$125.00		
Senior Geotechnical Engineer – PE		\$150.00		
Geologist (landfill, groundwater)		\$100.00		
Archaeologist)		\$100.00		
Environmental Scientist (Ecologist, Historian,		<b>V.20.00</b>		
Environmental Manager	17	\$125.00	ψ1,400.00	
Senior Traffic Engineer / Signal Engineer – PE Traffic Signal Design Engineer – EIT	7 14	\$150.00 \$100.00	\$1,050.00 \$1.400.00	

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									JUNE		112		Ja .	ē				ja .			ъ		
Task Description	Principal-in-Charge	Project Manager	QAQC Senior REview Engineer - PE	Survey Department Head – RLS	Registered Land Surveyor	2-Man Survey Crew	Site / Hydro / Stormwater Engineer – PE	Senior Roadway Design Engineer – PE	Roadway Design Engineer	Design Technician / CAD Operator	Senior Structural Designer – PE	Structural Designer	Senior Traffic Engineer / Signal Engineer – PE	Traffic Signal Design Engineer – EIT	Environmental Manager	Environmental Scientist (Ecologist, Historian, Archaeologist)	Geologist (landfill, groundwater)	Senior Geotechnical Engineer - PE	Landfill Engineer	Office Engineer	Public Information Coordinator	Secretary / Administrative Assistant	
·																							
CONCEPT																							
Road Design																							
Typical Sections		1						2	8	12	2												
Concept Dvelopment & Layout on Aerial Photo		2	2					2	32														
Construction Staging - Outline		1						2	24														
Utility Conflicts - Prelim. Analysis		1						2	8	12										10			
Concept Cost Estimate		2						4	12														
Drainage Design / Hydrology																							
Preliminary Analysis & Coordination		2						2	12	. 8	3												
Structural Design		_																					
Wall-Type Analysis																							
Geotechnical																							
Soil Survey	1	5	i 1				12			12	,							16					
- con our roy		·																					
TOTALS	1	14	1				12	14	96	84								16		10			
DATABASE																							
Field Surveys, Property Research/Resolution/ROW Staking						190																	
Field Surveys, SUE)			1	2																3			
Survey Data Reduction				6	47					100	)									3			
Subsurface Utility Engineering Database																				3			
TOTALS			1	8	47	190				100	)									9			
PRELIMINARY ENGINEERING																							
Site Visits													4	4									
Road Design																							
Typical Sections		2	2					4	12	12	2												
Horizontal Geometry		8	3					4	36		2												
Roadway Profiles		4						4	24														
Intersection Sight Distance Calc's																							
Cross Sections		2	2					4	40	32													
Driveway Profiles																							
Staging Plans		4						4	16	12													
R/W and Constr. ESMT Limits																							
Utility Plans (Existing Only)		2	2					2	8	16	6									5			
Traffic Design																							
Signing and Marking Plans (Prelim)													2	24									
Drainage Design / Hydrology																							
Roadway Drainage Design		2	2					4	16	16	3												

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		1							JUNE				lar	ē				<u></u>			'n		T	
Task Description	Principal-in-Charge	Project Manager	QAQC Senior REview Engineer - PE	Survey Department Head – RLS	Registered Land Surveyor	2-Man Survey Crew	Site / Hydro / Stormwater Engineer – PE	Senior Roadway Design Engineer – PE	Roadway Design Engineer	Design Technician / CAD Operator	Senior Structural Designer – PE	Structural Designer	Senior Traffic Engineer / Signal Engineer – PE	Traffic Signal Design Engineer – EIT	Environmental Manager	Environmental Scientist (Ecologist, Historian, Archaeologist)	Geologist (landfill, groundwater)	Senior Geotechnical Engineer – PE	andfill Engineer	Office Engineer	Public Information Coordinator	Secretary / Administrative Assistant		
Drainage Profiles		1	ОШ	0) IL	ш	- CV	ОΙШ	0) Ш	12			0)	0) Ш	F 1	ш	шоч	. 0 5	0)		-	Т.	0) 4		
MS4 Analysis- EXEMPTION -		2						8	30															
Erosion Control								0	30															
BMP Plans (Per Stage)		4						8	40	24														
Sediment Basins (Calcs & Plans)		7							40	27														
Structural Design																								
Retaining Wall Envelopes																								
Preliminary Plan Preparation																								
Cover, Index, General Notes, Const Plans								2	8	16														
PVMT Design Analysis - N/A									J	- 10														
Prelim. Cost Estimate		2						8	12	8														-
Plan Reviews								Ĭ																
Quality Assurance Review(s)								16					2											
Preliminary Field Plan Review								8					4	4										
Address Review Comments								8	16					2										
TOTALS		33						88	278	200			12	34						5	5			
R/W PLANS PREPARATION																								
Plan Development																								
R/W Plan Preparation																								
Revisons-																								
TOTALS	;																							
FINAL ENGINEERING																								
Road Design																								
Final Plans Preparation		2						4	24	24														
Utility Plans & Conflict Resolution		2						4	12											10	)			
Quantities & Special Provisions		2						4	16															
Detailed Estimate / Cost Estimate		2						4	12															
Lighting Plans - N/A																								
Earthwork Calculations (Per Stage) - N/A																								
Traffic Design																								
Signing & Marking Plans (Final)														8										
Misc. Sign Details														4										
Drainage Design / Hydrology																								
Final Drainage Analysis & Design								4	12	12														
Erosion Control																								
Finilize Erosion Control Plans								4	40	24														
Structural Design																								
Final Retaining Wall Plans																								
Plan Reviews																								

							N	1AN-H	OUR E	STIMA	TE													
Task Description	Principal-in-Charge	Project Manager	QAQC Senior REview Engineer - PE	Survey Department Head – RLS	Registered Land Surveyor	2-Man Survey Crew	Site / Hydro / Stormwater Engineer – PE	Senior Roadway Design Engineer – PE	Roadway Design Engineer	Design Technician / CAD Operator	Senior Structural Designer – PE	Structural Designer	Senior Traffic Engineer / Signal Engineer – PE	Traffic Signal Design Engineer - EIT	Environmental Manager	Environmental Scientist (Ecologist, Historian, Archaeologist)	Geologist (landfill, groundwater)	Senior Geotechnical Engineer – PE	Landfill Engineer	Office Engineer	Public Information Coordinator	Secretary / Administrative Assistant		
Quality Assurance Review								24					2											
Final Field Plan Review								8	8				4											
Address Review Comments								4	24	16			1	2										
Bid Documents & Bidding																								
Preparation of Bid Documents									80															ı
Bid Review and Recommendations									16															ı
TOTALS		8						60	244	96			7	14						10				
CONSTRUCTION ADMINISTRATION																								
Project Site Visits Once a Month - Assume 6 Months Construction								30																
Answer Design Questions during Construction								16						4										
Attend Construction meeting to Address Design Issues								24						4										ı
Revise Plans for Use-On Construction								8	16	24				4										
Prepare 7-day Erosion Control Inspection Letter								6																
Review Field Chnages, Change Orders, Pay Application, RFI and Shop drawings								32	24		16			8										
TOTALS								116	40	24	16			20										
GRAND TOTALS	1	55	2	8	47	190	12	278	658	504	16		19	68				16		34				

Exhibit A

# **Additional Services Fee Proposal**

# Hall COUNTY SR 365/ US 23 at Cagle Road Intersection Intersection Improvements

# Traffic Studies & ICE Analysis Estimated Project Costs

14-Mar-24

		ATL	AS TECHNICAL	. CONSULTANTS										
Direct Labor (Specify)														
Personnel	Est Hours	Rate/Hr	Est. Cost (\$)	Totals										
CONCEPT														
Principal in Charge		\$200.00												
Project Manager		\$175.00												
QAQC Senior Review Engineer – PE		\$175.00												
Survey Department Head – RLS		\$150.00												
Registered Land Surveyor		\$100.00												
2-Man Survey Crew		\$110.00												
Site / Hydro / Stormwater Engineer – PE		\$120.00												
Senior Roadway Design Engineer – PE		\$160.00												
Roadway Design Engineer		\$100.00												
Design Technician / CAD Operator		\$70.00												
Senior Structural Designer – PE		\$160.00												
Structural Designer		\$110.00												
Senior Traffic Engineer / Signal Engineer – PE	24	\$150.00	\$3,600.00											
Traffic Signal Design Engineer – EIT	52	\$100.00	\$5,200.00											
Environmental Manager		\$125.00												
Environmental Scientist (Ecologist, Historian,														
Archaeologist)		\$100.00												
Geologist (landfill, groundwater)		\$100.00												
Senior Geotechnical Engineer – PE		\$150.00												
Landfill Engineer		\$125.00												
Office Engineer		\$100.00												
Public Information Coordinator		\$75.00												
Secretary / Administrative Assistant		\$55.00												
TOTAL	. 76			\$8,800.00										
TOTAL	76			<b>ФО,ООО.ОО</b>										
Total Direct Labor				\$8,800.00										
Other Direct Costs (Specify)	1		<del></del>	, -,										
Traffic Counts				\$1,600.00										
Traine Gounts				ψ1,000.00										
Tatal Other Bire of Conta				<b>**</b> **********************************										
Total Other Direct Costs				\$1,600.00										
3. Maximum Amount of Contract Proposal (1) + (2	2)			\$10,400.00										

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Task Description	Principal-in-Charge	Project Manager	Senior REview ir - PE	Survey Department Head – RLS	Registered Land Surveyor	2-Man Survey Crew	Site / Hydro / Stormwater Engineer – PE	Senior Roadway Design Engineer – PE	Roadway Design Engineer	Design Technician / CAD Operator	Senior Structural Designer – PE	Structural Designer	Senior Traffic Engineer / Signal Engineer – PE	Traffic Signal Design Engineer – EIT	Environmental Manager	Environmental Scientist (Ecologist, Historian, Archaeologist)	Geologist (landfill, groundwater)	Senior Geotechnical Engineer – PE	Landfill Engineer	Office Engineer	Public Information Coordinator	Secretary / Administrative Assistant	
CONCEPT																							
Traffic Studies																							
Data Collection													2	4									
Traffic Forecasting (ADT, DHV)													2	4									
Capacity Analysis (Synchro)													10	24									
ICE Analysis													10	20									
TOTALS													24	52									
GRAND TOTALS													24	52									

# Hall COUNTY SR 365/ US 23 at Cagle Road Intersection

# Intersection Improvements

# **Environmental Screening Estimated Project Costs**

14-Mar-24

## ATLAS TECHNICAL CONSULTANTS

1. Direct Labor (Specify)			AS TECHNICAL	
Personnel	Est Hours	Rate/Hr	Est. Cost (\$)	Totals
CONCEPT				
Principal in Charge		\$200.00		
Project Manager		\$175.00		
QAQC Senior Review Engineer – PE		\$175.00		
Survey Department Head – RLS		\$150.00		
Registered Land Surveyor		\$100.00		
2-Man Survey Crew		\$110.00		
Site / Hydro / Stormwater Engineer – PE		\$120.00		
Senior Roadway Design Engineer – PE		\$160.00		
Roadway Design Engineer		\$100.00		
Design Technician / CAD Operator		\$70.00		
Senior Structural Designer – PE		\$160.00		
Structural Designer		\$110.00		
Senior Traffic Engineer / Signal Engineer – PE		\$150.00		
Traffic Signal Design Engineer – EIT		\$100.00		
Environmental Manager	16	\$125.00	\$2,000.00	
Environmental Scientist (Ecologist, Historian,				
Archaeologist)	8	\$100.00	\$800.00	
Geologist (landfill, groundwater)		\$100.00	·	
Senior Geotechnical Engineer – PE		\$150.00		
Landfill Engineer		\$125.00		
Office Engineer		\$100.00		
Public Information Coordinator		\$75.00		
Secretary / Administrative Assistant		\$55.00		
TOTAL	24			\$2,800.00
Total Direct Labor				\$2,800.00
2. Other Direct Costs (Specify)				
Plotting/Reproduction				
Travel/Mileage				\$100.00
•				·
Total Other Direct Costs	\$100.00			
3. Maximum Amount of Contract Proposal (1) + (2	2)			\$2,900.00

If it is determine that an environmental permit is require then the additional services will be provided & billed at the above applicable rates.

				MAN-	HOUR	ESTIM.	ATE FO	OR EN	VIRON	MENTA	AL SCF	REENIN	iG									
Task Description	Principal-in-Charge	Project Manager	QAQC Senior REview Engineer - PE Survey Department Head -	Registered Land Surveyor	2-Man Survey Crew	Site / Hydro / Stormwater Engineer – PE	Senior Roadway Design Engineer – PE	Roadway Design Engineer	Design Technician / CAD Operator	Senior Structural Designer – PE	Structural Designer	Senior Traffic Engineer / Signal Engineer – PE	Traffic Signal Design Engineer – EIT	Environmental Manager	Environmental Scientist (Ecologist, Historian, Archaeologist)	Geologist (landfill, groundwater)	Senior Geotechnical Engineer – PE	Landfill Engineer	Office Engineer	Public Information Coordinator	Secretary / Administrative Assistant	
CONCEPT																						
Environmental																						
Environmental Surveys														8	8							
Preliminary Analysis & Coordination														8								
TOTALS														16	8							
GRAND TOTALS														16	8							