



## Public Facilities Committee Meeting

### Chairman

BRIAN FLEWELLING

### Vice Chairman

YORK GLOVER

### Committee Members

MICHAEL COVERT  
MARK LAWSON  
JOSEPH PASSIMENT

### Interim County Administrator

ERIC GREENWAY

### Clerk to Council

SARAH W. BROCK

### Staff Support

JARED FRALIX

### Administration Building

Beaufort County Government  
Robert Smalls Complex  
100 Ribaut Road

### Contact

Post Office Drawer 1228  
Beaufort, South Carolina 29901-1228  
(843) 255-2180  
[www.beaufortcountysc.gov](http://www.beaufortcountysc.gov)

# Public Facilities Committee Agenda

Monday, December 21, 2020 at 4:00 PM

[This meeting is being held virtually in accordance with Beaufort County Resolution 2020-05]

**ALL OF OUR MEETINGS ARE AVAILABLE FOR VIEWING ONLINE AT [WWW.BEAUFORTCOUNTYSC.GOV](http://WWW.BEAUFORTCOUNTYSC.GOV) AND CAN ALSO BE VIEWED ON HARGRAY CHANNELS 9 AND 113, COMCAST CHANNEL 2, AND SPECTRUM CHANNEL 1304**

1. CALL TO ORDER
2. PLEDGE OF ALLEGIANCE
3. *PUBLIC NOTIFICATION OF THIS MEETING HAS BEEN PUBLISHED, POSTED, AND DISTRIBUTED IN COMPLIANCE WITH THE SOUTH CAROLINA FREEDOM OF INFORMATION ACT*
4. APPROVAL OF AGENDA
5. APPROVAL OF MINUTES

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### ACTION ITEMS

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6. A RESOLUTION AMENDING BEAUFORT COUNTY'S PRIORITIZED 5 YEAR DIRT ROAD PAVING PROGRAM
7. RECOMMENDATION OF AWARD FOR RFQ#092420TE LADY'S ISLAND ACCESS ROADS DESIGN AND ENGINEERING SERVICES
8. RECOMMENDATION OF AWARD FOR RFP# 081920 FLEET AND FUEL MAINTENANCE SERVICES
9. INTERGOVERNMENTAL AGREEMENT BETWEEN BEAUFORT COUNTY AND CITY OF BEAUFORT FOR SPECIAL PROJECTS AND ASSOCIATED SERVICES
10. INTERGOVERNMENTAL AGREEMENT BETWEEN BEAUFORT COUNTY AND SCDOT FOR THE BEAUFORT COUNTY SALES TAX TRANSPORTATION PROGRAM PROJECTS US 21 CORRIDOR AND SIDEWALK/MULTIUSE PATHWAYS
11. AN ORDINANCE AUTHORIZING THE CONVEYANCE OF R510 008 000 0370 0000 AND R510 008 000 0160 0000 ENTITLED "SUMMIT DRIVE REALIGNMENT AREA NEAR GATEWAY CIRCLE"
12. ACCEPTANCE OF A COMMUNITY DEVELOPMENT BLOCK GRANT AWARD FOR THE DETOUR ROAD SIDEWALK EXTENSION PROJECT.

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### DISCUSSION ITEMS

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13. OLD FEDERAL COURTHOUSE UPDATE
14. 2018 ONE CENT SALES TAX UPDATE

15. DISCUSSION REGARDING THE TRAFFIC LIGHT AT BUCKWALTER AND WOODBRIDGE
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**INFORMATION ITEMS**

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- [16.](#) UPDATE ON CONVENIENCE CENTER CHANGES AND DECAL SYSTEM  
[17.](#) KEEP BEAUFORT COUNTY BEAUTIFUL BOARD LOGO
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**BOARDS AND COMMISSIONS**

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- [18.](#) CONSIDERATION OF THE APPOINTMENT OF BRIAN WATKINS TO THE STORMWATER UTILITY BOARD
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**CITIZEN COMMENTS**

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19. *CITIZENS COMMENTS WILL BE ACCEPTED IN WRITING AT PO DRAWER 1228, BEAUFORT SC 29901 OR BY WAY OF OUR PUBLIC COMMENT FORM AVAILABLE ONLINE AT [WWW.BEAUFORTCOUNTYSC.GOV](http://WWW.BEAUFORTCOUNTYSC.GOV)*  
20. ADJOURNMENT



# BEAUFORT COUNTY COUNCIL AGENDA ITEM SUMMARY

<b>ITEM TITLE:</b>
APPROVAL OF MINUTES
<b>MEETING NAME AND DATE:</b>
PUBLIC FACILITIES COMMITTEE MEETING
<b>PRESENTER INFORMATION:</b>
COMMITTEE CHAIRMAN FLEWELLING
<b>ITEM BACKGROUND:</b>
<ul style="list-style-type: none"><li>NOVEMBER 16, 2020</li></ul>
<b>PROJECT / ITEM NARRATIVE:</b>
CONSIDERATION OF THE APPROVAL OF MINUTES FROM NOVEMBER 16, 2020
<b>FISCAL IMPACT:</b>
N/A
<b>STAFF RECOMMENDATIONS TO COUNCIL:</b>
APPROVE, MODIFY OR REJECT
<b>OPTIONS FOR COUNCIL MOTION:</b>
MOTION TO (APPROVE, MODIFY, REJECT) MINUTES FROM NOVEMBER 16, 2020



## Public Facilities Committee Meeting

### Chairman

BRIAN FLEWELLING

### Vice Chairman

YORK GLOVER

### Committee Members

MICHAEL COVERT

MARK LAWSON

JOSEPH PASSIMENT

### Interim County Administrator

ERIC GREENWAY

### Clerk to Council

SARAH W. BROCK

### Staff Support

PATRICK HILL

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## Public Facilities Committee Minutes

Monday, November 16, 2020 at 4:00 PM

[This meeting is being held virtually in accordance with Beaufort County Resolution 2020-05]

### PRESENT

Committee Chairman Brian Flewelling

Committee Vice-Chair York Glover

Council Member Joseph F. Passiment

Council Member D. Paul Sommerville

Council Member Michael Covert

Council Member Gerald Dawson

Council Member Stu Rodman

Council Member Chris Hervocho

Council Member Mark Lawson

Council Member Lawrence McElynn

### ABSENT

Council Member Alice Howard

### CALL TO ORDER

Chairman Flewelling called the meeting to order at 4 PM

### PLEDGE OF ALLEGIANCE

Chairman Flewelling led the Pledge of Allegiance.

### FOIA

Chairman Flewelling noted public notification of this meeting has been published, posted, and distributed in compliance with The South Carolina Freedom of Information Act.

### APPROVAL OF AGENDA

Motion: It was moved by Vice Chair Glover, seconded by Council Member Rodman approval of agenda. The motion was approved without objection.

### APPROVAL OF MINUTES

Motion: It was moved by Council Member Passiment, seconded by Vice Chair Glover the approval of minutes from October 19, 2020. The motion approved without objection.

### ACTION ITEMS

**An ordinance authorizing the Execution and Delivery of an Easement to BJWSA Encumbering Property owned by Beaufort County at 88 Shanklin Road, South Carolina**

Jared Fralix stated Beaufort County has been constructing a new EMS Building located on Shanklin Road and (BJWSA) Beaufort Jasper Water Sewer Authority has requested that Beaufort County grant it a Utility Easement for the



nonexclusive right to enter the County Parcel for the purpose of erecting, operating and maintaining water and sanitary sewer infrastructure across portions of the County's property.

**Motion:** It was moved by Council Member Dawson, seconded by Council Member Passiment to move to County Council for approval of an ordinance authorizing the execution and delivery of an easement to BJWSA. The Motion was approved without objection.

### **Update/changes of Convenience Center Operations and Decal System**

Cindy Carter stated the Implementation of operational changes to the Beaufort County Convenience Centers as reflected in the Goldsmith report of November 2019. New hours and days of operation began October 1, 2020. Decal applications available October 19, 2020.

Council Member Dawson stated the Big Estate and Sheldon residents have a issue with the convenience center operating hours since those are open for only 3 days a week alternating days. However, the compliants are coming from having only 2 visits.

Council Member Covert stated he shares the same concerns of the 2 visits, would like to eliminate the wording from 2 days per week restiction.

Council Member Sommerville stated the main purpose was not the household garbage but was to eliminate the commerical garbage.

David Wilhelm stated over 60% of taxpayers in Beaufort County has curbside collection and disagrees that there is a need for more collection days.

Chairman Flewelling ask that staff evaluate the impact of change and the potential emergency change to the ordinance.

Council Member Sommerville stated he has talked to taxpayers and they beleive 3 days per week would work good.

**Motion:** It was moved by Council Member Covert, seconded by Council Member Rodman to eliminate the wording from the wording in the ordinance 2 days per week eliminated.

**Amended Motion:** It was moved by Council Member Sommerville, seconded by Council Member Rodman to forward to county council the recommedation of change wording from 2 days to 3 days per week. The motion was approved without objection.

### **DISCUSSION ITEMS**

#### **Priority Funding Request**

Council Member Rodman stated regarding a potential funding by the state of South Carolina. To see if items can be sent to Senator Davis for funding are:

- the academic building for USCB
- TCL regional training center
- terminal addition at the Hilton Head Airport

Would like to do in 2 steps that would be conferred with each other and then sent to Senator Davis for approval.

Chairman Flewelling stated there are several others that need to be added: Mitchelville, Penn Center and the Broad River Fishing Pier to see if we can get a grant.

Council Member McElynn stated would like to add The National Historic Park since they did not get any funding from A-tax. They have applied for the December A-tax however they are not receiving enough. Can they get a grant for scholarships for HVAC and Plumbing training class for people who qualify.

Council Member Rodman stated it is non-recurring.

Council Member Passiment stated he would like to get a list of items so that he can present to Senator Davis.

**Status:** For Information Purposes Only

#### **New Arthur Horne Office Building Update**

Andrea Atherton stated due to the COVID 19 pandemic, elevator manufacturing facilities have been severely impacted in their production schedules. Schindler Elevator notified Akins Construction (General Contractor) of a 4 to 6 month delay in fabrication. This would result in a project completion in July or August 2021 in lieu of March 2021. Akins Construction, Beaufort Design Build, and County staff are working with Schindler Elevator to minimize the delay and commit to a manufacturing date.

**Status:** For Informational Purposes Only

#### **Broad River Fishing Pier Long-range planning for repair and replacement**

Andrea Atherton since 2015 Beaufort County has spent over \$677,000 to preserve and maintain the 1,820' long fishing pier in a condition safe for public use. The recommendation from this year's inspection is that a cost/benefit analysis of continued rehabilitation vs. replacement be conducted. McSweeney Engineers was hired to provide an initial look at alternatives, costs and service life.

\*\* Read Broad River Fishing Pier Presentation Pgs. 25 - Pgs. 48 \*\*

Chairman Flewelling stated he agrees with Hybrid F

Council Member Glover stated he agrees with long term value.

**Motion:** It was moved by Committee Vice-Chair Glover, seconded by Council Member Hervochon to have staff pursue alternative F Hybrid for the Broad River Fishing Pier. The motion was approved without objection.

#### **Daufuskie Island Ferry Embarkation Discussion**

Dave Wilhelm stated on August 1, 2016, Beaufort County entered into a contract with Daufuskie Island Ferry Services to provide daily passenger ferry services for Daufuskie Island residents, long-term renters, property owners, and County employees. At the time of the agreement the embarkation point was Palmetto Bay Marina. Due to hurricane impacts in the fall of 2016 the embarkation point was moved to Bluffton Oyster Factory Park initially (October 2016 – January 2017), and then to Buckingham Landing. The ferry has been using the Buckingham Landing location since January 2017.

\*Read Daufuskie Island Ferry Services Options pg 49 - pg 50.

Leann, the Chairman of the Daufuskie Island Ferry Service gave a comment about the Daufuskie Island Ferry Service.

Ms. Robinson, gave a comment about the Daufuskie Island Ferry Service.

Steve Hill wrote in a comment about the Daufuskie Island Ferry Service

Amanda Dubos wrote in a comment about the Daufuskie Island Ferry Service.

Mike McDonald wrote in a comment about the Daufuskie Island Ferry Service.

Ronald Broom wrote in a comment about the Daufuskie Island Ferry Service.

Fran and Bill Bolen wrote in a comment about the Daufuskie Island Ferry Service.

Council Member Covert asked what is the status of the 2 buildings of Buckingham Landing.

Jared Fralix stated there is no plans for the buildings. There will be an evaluation done of the facility.

Dave Wilhem stated SS Haider will just be a temporary facility. The long term solution is years away because we have to think of the environmental assesment.

Council Member Covert stated there should be a consideration of Option 4.

Council Member Hvronchon stated the Administaration and Dave Wilhelm have been looking for over a year for a prospective vendor.

Dave Wilhelm stated would like to use option 4.

Chairman Flewelling stated there needs to be a resolution.

Council Member Hvronchon stated what is plan B.

Chairman Flewelling stated I would go with option 2 even though its not optimal for residents it gets the county away from a potential lawsuit.

Dave Wilhelm stated option 2 and 4 can be done concurrently.

Council Member Hvronchon stated agrees with option 2 and 4.

Council Member Lawson stated agrees with option 1 and 4. Option 1 because option 2 will require more money.

Dave Wilhelm stated there is some grant money that can be used for permenate that can be used for temporary.

Council Member Sommerville does not agree with option 2. Does not wont to have individuals in temporary holding.

**Motion: It was moved by Council Member Covert, seconded by Council Member Rodman to issue a new RFP for ferry services option 4. The motion is approved without objection.**

### **Hilton Head Island Airport (HXD) – Terminal Expansion**

Jon Rembold provided a HXD Terminal Update.

\*Read PowerPoint Slide Presentation \*\*

**Status: For Informational Purposes Only**

### **Bluffton Parkway 5B Update**

Jared Fralix stated on September 21, 2020, the Public Facilities Committee discussed the immediate need to move forward with Bluffton Parkway 5B, specifically, the intersection of Buckwalter Parkway and Bluffton Parkway. The committee made a motion for staff to proceed with the project using impact fees.

Council Member Covert stated this item should be 2 items that discussed the North and South Connectors of the Parkway.

Jared Fralix stated the envirnmental assesment will have difficulty being seperated because of the part of the engineering design. It could have issues in the future with not allowing the county to have the oppportunity for federal funding.

Council Member Covert stated the community needs to know that there are two issues pertaining to this one agenda item. The intersection needs to be seperated from this and made into its own agenda item.

Jared Fralix stated this can be done on future agendas.

Chairman Flewelling stated there is going to be removal of the 5B from future agendas

**Status:** For Informational Purposes Only

**Update on Buckwalter Parkway**

Chairman Flewelling stated this was discussed with Bluffton Parkway 5B update.

**BOARDS AND COMMISSIONS**

**Consideration of the reappointment of William Graner and Kim Corley to the Solid Waste and Recycling Board**

**Motion:** It was moved by Council Member Covert, seconded by Committee Vice-Chair Glover to move forward to county council for reappointment Of William Graner and Kim Corley to the Solid Waste and Recycling Board. The motion was approved without objection.

**Consideration of the Reappointment of John Glover to the Beaufort County Transportation Committee**

**Motion:** It was moved by Committee Vice-Chair Glover, seconded by Council Member Covert to move forward to county council for reappointment of John Glover to the Beaufort County Transportation Committee. The motion approved without objection.

**CITIZEN COMMENTS**

**CITIZEN COMMENTS**

*(Every member of the public who is recognized to speak shall limit comments to three minutes with this portion going no longer than 15 minutes)*

Darrow Aldridge provided a comment about decals

**ADJOURNMENT**

The meeting adjourned at 6:05 pm

Ratified by:

COUNTY COUNCIL OF BEAUFORT COUNTY

BY: \_\_\_\_\_

Brian Flewelling, Chairman

ATTEST:

\_\_\_\_\_

Sarah W. Brock, Clerk to Council

Ratified:



# BEAUFORT COUNTY COUNCIL AGENDA ITEM SUMMARY

<b>ITEM TITLE:</b>
A RESOLUTION AMENDING BEAUFORT COUNTY'S PRIORITIZED 5 YEAR DIRT ROAD PAVING PROGRAM
<b>MEETING NAME AND DATE:</b>
Public Facilities Committee – December 21, 2020
<b>PRESENTER INFORMATION:</b>
Jared Fralix, Assistant County Administrator – Engineering (5 min)
<b>ITEM BACKGROUND:</b>
A resolution was adopted on June 10, 2019 to establish a prioritized 5 year Dirt Road Paving Program.
<b>PROJECT / ITEM NARRATIVE:</b>
Throughout the progress of the program, priorities have changed due to several unforeseeable factors: (1) A petition for County portion of Eddings Point Road to be classified as a private road was approved by Beaufort County Council on October 26, 2020 (2) Right of way acquisition is still underway on Davis Road and Twickenham Road (3) Due to a lack of funding, Year 1 was unable to be phased, therefore; has been reclassified as Year 2 (4) At the request of Daufuskie Island Council a graded aggregate road surface will be provided in lieu of asphalt pavement. Frances Jones Road will be substituted for Prospect Road. All roads on Daufuskie Island will be completed together in order to save on contractor mobilization and hauling costs (5) The paving of Graves Road is a part of the Pepperhall Development Agreement approved by Beaufort County Council on February 1, 2019 and amended August 10, 2020.
<b>FISCAL IMPACT:</b>
N/A
<b>STAFF RECOMMENDATIONS TO COUNCIL:</b>
Staff recommends approval of a Resolution Amending Beaufort County's Prioritized Dirt Road 5 Year Paving Program.
<b>OPTIONS FOR COUNCIL MOTION:</b>
Motion to approve/deny a Resolution Amending Beaufort County's Prioritized Dirt Road 5 Year Paving Program.  Next step: Move forward to Council for adoption.

**RESOLUTION 2021 / \_\_\_\_**

**A RESOLUTION AMENDING BEAUFORT COUNTY’S PRIORITIZED 5 YEAR DIRT ROAD PAVING PROGRAM.**

**WHEREAS**, on June 10, 2019 Beaufort County Council adopted a prioritized 5 year dirt road paving program; and

**WHEREAS**, throughout the progress of the program, priorities have changed due to several unforeseeable factors when adopted as follows:

(1) A petition for County portion of Eddings Point Road to be classified as a private road was approved by Beaufort County Council on October 26, 2020; and

(2) Right of way acquisition is still underway on Davis Road and Twickenham Road; and

(3) Due to a lack of funding, Year 1 was unable to be phased, therefore; has been reclassified as Year 2; and

(4) At the request of Daufuskie Island Council a graded aggregate road surface will be provided in lieu of asphalt pavement. Frances Jones Road will be substituted for Prospect Road. All roads on Daufuskie Island will be completed together in order to save on contractor mobilization and hauling costs; and

(5) The paving of Graves Road is a part of the Pepperhall Development Agreement approved by Beaufort County Council on February 1, 2019 and amended August 10, 2020.

**WHEREAS**, the improvement of County owned dirt roads enhances the quality of life for County residents; and

**WHEREAS**, improvements to these dirt roads provide better all-weather performance and reduces annual maintenance costs of those roads; and

**WHEREAS**, the program priorities are based upon objective criteria to provide the best use of the limited funds established for this purpose; and

**NOW, THEREFORE, IT IS HEREBY RESOLVED**, that County Council establishes the amended prioritized 5 Year Dirt Road paving program as attached:

Adopted this day of \_\_\_\_\_, 2021.

COUNTY COUNCIL OF BEAUFORT COUNTY

By: \_\_\_\_\_  
Stuart Rodman, Chairman

Attest:

\_\_\_\_\_  
Clerk to Council

**Beaufort County Dirt Road Paving - 5 Year Plan - Revised** 23-Nov-20

**Year 1 In Progress**

Council District	ROAD NAME	Approx Length	Existing ROW	Road Score	Road Ranking	TERMINI DESCRIPTION	ACTUAL COSTS
<b>Dirt Road Paving #51A</b>							
5	Rice Road	0.25	complete	79.96	5	Broad River Blvd to Inwood Plantation Rd.	\$ 382,518
3	Salicornia Drive	0.29	complete	70.27	9	Marsh Hawk Dr to Terminus	\$ 424,092
3	Wards Landing Road	0.44	complete	64.52	17	Sea Island Pkwy to Worthington Rd	\$ 559,854
1	George Williams Lane	0.62	complete	95.17	2	Wm. Campbell Ln to Kelly Rd	\$ 729,697
<b>Miles 51A</b>		<b>1.60</b>				<b>Contract #51A</b>	<b>\$ 2,096,161</b>
							<b>Year 1 - cost per mile</b>
							<b>\$ 1,310,101</b>

**Year 2 Recommendations (BP #52)**

Council District	ROAD NAME	Approx Length	Existing ROW	Road Score	Road Ranking	TERMINI DESCRIPTION	ENGINEERS ESTIMATE
10	Wright Place	0.24	complete	78.90	7	Squire Pope to Terminus	\$ 330,145
5	Wickecliff Place	0.08	complete	67.11	13	Palomino Dr to Terminus	\$ 110,048
3	David Green Road	0.46	complete	68.70	11	Capers Island to Terminus	\$ 632,779
6	Harrison Island Road	0.65	underway	95.73	1	Pinckney Colony to Terminus	\$ 894,144
<b>Total Miles</b>		<b>1.43</b>				<b>Cost Estimate Total</b>	<b>\$ 1,967,116</b>
							<b>Year 2 - Estimate</b>
							<b>\$ 1,375,606</b>

**Year 3 Recommendations (BP #53)**

Council District	ROAD NAME	Approx Length	Existing ROW	Road Score	Road Ranking	TERMINI DESCRIPTION	ENGINEERS ESTIMATE
1	Twickenham Road	0.92	underway	80.36	4	Old Sheldon Church to Terminus	\$ 1,301,716
1	Northview Drive	0.42	none	75.26	8	Perry Clear Dr to Northview Dr (Pvt)	\$ 594,262
7	Rainbow Road	0.32	none	67.88	12	Gibbet Rd to Rainbow (Pvt)	\$ 452,771
<b>Total Miles</b>		<b>1.66</b>				<b>Cost Estimate Total</b>	<b>\$ 2,348,748</b>
							<b>Year 3 - Estimate</b>
							<b>\$ 1,414,909</b>

**Year 4 Recommendations (BP #54) - *minor grading for drainage & 6" GABC***

Council District	ROAD NAME	Approx Length	Existing ROW	Road Score	Road Ranking	TERMINI DESCRIPTION	ENGINEERS ESTIMATE
9	Frances Jones	0.35	none	69.16	10	Pappy's Landing to Billy Burn Ln	\$ 420,000
9	Church Road	0.63	none	66.09	14	Haig Point Rd to School Rd	\$ 756,000
9	School Road	1.58	none	65.20	15	Benjies Point Rd to Oakridge Ln	\$ 1,896,000
<b>Total Miles</b>		<b>2.56</b>				<b>Cost Estimate Total</b>	<b>\$ 3,072,000</b>
							<b>Year 4 - Estimate</b>
							<b>\$ 1,200,000</b>

**Year 5 Recommendations (BP #55)**

Council District	ROAD NAME	Approx Length	Existing ROW	Road Score	Road Ranking	TERMINI DESCRIPTION	ENGINEERS ESTIMATE
3	James D Washington	0.70	complete	63.54	18	Storyteller Rd to Orange Grove Rd.	\$ 1,054,631
5	Leo Green Road	0.38	underway	61.64	19	Broad River Blvd to Leo Green (Pvt)	\$ 572,514
2	Dolphin Watch Point	0.07	complete	60.66	20	Coosaw River Dr to Palmetto Grove Ln	\$ 105,463
<b>Total Miles</b>		<b>1.15</b>				<b>Cost Estimate Total</b>	<b>\$ 1,732,608</b>
							<b>Year 5 - Estimate</b>
							<b>\$ 1,506,616</b>



**RESOLUTION 2019 / 24**

**WHEREAS**, the improvement of County owned dirt roads enhances the quality of life for County residents; and

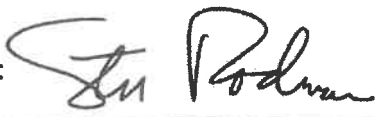
**WHEREAS**, improvements to these dirt roads provide better all-weather performance and reduces annual maintenance costs of those roads; and

**WHEREAS**, the program priorities are based upon objective criteria to provide the best use of the limited funds established for this purpose; and

**NOW, THEREFORE, IT IS HEREBY RESOLVED**, that County Council establishes a prioritized 5 Year Dirt Road paving program:

Adopted this 10<sup>th</sup> day of June, 2019.

COUNTY COUNCIL OF BEAUFORT COUNTY

By:   
\_\_\_\_\_  
Stuart Rodman, Chairman

Attest:

  
\_\_\_\_\_  
Clerk to Council

## Beaufort County Dirt Road Paving - 5 Year Plan

4-Jun-19

## Year 1 Recommendations

Council District	ROAD NAME	Approx Length	Existing ROW	Road Score	Road Ranking	TERMINI DESCRIPTION	ENGINEERS ESTIMATE
<b>Dirt Road Paving #51A</b>							
5	Rice Road	0.25	complete	79.96	5	Broad River Blvd to Inwood Plantation Rd.	\$ 311,638
3	Salicomia Drive	0.29	complete	70.27	9	Marsh Hawk Dr to Terminus	\$ 361,500
3	Wards Landing Road	0.44	complete	64.52	17	Sea Island Pkwy to Worthington Rd	\$ 548,482
1	George Williams Lane	0.62	underway	95.17	2	Wm. Campbell Ln to Kelly Rd	\$ 772,861
	<b>Miles 51A</b>	<b>1.60</b>				<b>Cost Estimate 51A</b>	<b>\$ 1,994,480</b>
<b>Dirt Road Paving #51B</b>							
7	Davis Road	0.23	complete	79.44	6	Okatie Hwy to Hubbard Lane	\$ 286,707
10	Wright Place	0.24	complete	78.90	7	Squire Pope Rd to Terminus	\$ 299,172
5	Wickecliff Place	0.08	complete	67.11	13	Palomino Dr to Terminus	\$ 99,724
	<b>Miles 51B</b>	<b>0.55</b>				<b>Cost Estimate 51B</b>	<b>\$ 685,603</b>

## Year 2 Recommendations

Council District	ROAD NAME	Approx Length	Existing ROW	Road Score	Road Ranking	TERMINI DESCRIPTION	ENGINEERS ESTIMATE
1	Twickenham Road	0.92	underway	80.36	4	Old Sheldon Church Rd to Terminus	\$ 1,168,262
3	David Green Road	0.46	underway	68.70	11	Capers Island Rd to Terminus	\$ 584,131
6	Harrison Island Road	0.65	none	95.73	1	Pinckney colony Rd to Terminus	\$ 825,403
2	Eddings Point Road	0.26	none	94.43	3	Eddings Point Rd to Eddings Point Rd (Pvt)	\$ 330,161
	<b>Total Miles</b>	<b>2.29</b>				<b>Cost Estimate Total</b>	<b>\$ 2,907,957</b>
							<b>Year 2</b>

## Year 3 Recommendations

Council District	ROAD NAME	Approx Length	Existing ROW	Road Score	Road Ranking	TERMINI DESCRIPTION	ENGINEERS ESTIMATE
1	Northview Drive	0.42	none	75.26	8	Perry Clear Dr to Northview Dr (Pvt)	\$ 543,123
9	Prospect Road	1.22	none	69.16	10	Pappys Landing to Billie Burn Ln	\$ 1,893,172 <i>20% premium for Daufuskie</i>
7	Rainbow Road	0.32	none	67.88	12	Gibbet Rd to Rainbow (Pvt)	\$ 413,808
	<b>Total Miles</b>	<b>1.96</b>				<b>Cost Estimate Total</b>	<b>\$ 2,850,103</b>
							<b>Year 3</b>

## Year 4 Recommendations

Council District	ROAD NAME	Approx Length	Existing ROW	Road Score	Road Ranking	TERMINI DESCRIPTION	ENGINEERS ESTIMATE
9	Church Road	0.63	none	66.09	14	Haig Point Rd to School Rd	\$ 995,236 <i>20% premium for Daufuskie</i>
9	School Road	1.58	none	65.20	15	Benjies Point Rd to Oakridge Ln	\$ 2,495,989 <i>20% premium for Daufuskie</i>
	<b>Total Miles</b>	<b>2.21</b>				<b>Cost Estimate Total</b>	<b>\$ 3,491,225</b>
							<b>Year 4</b>

## Year 5 Recommendations

Council District	ROAD NAME	Approx Length	Existing ROW	Road Score	Road Ranking	TERMINI DESCRIPTION	ENGINEERS ESTIMATE
3	James D Washington	0.70	complete	63.54	18	Storyteller Rd to Orange Grove Rd	\$ 937,825
5	Leo Green Road	0.38	none	61.64	19	Broad River Blvd to Leo Green Rd (Pvt)	\$ 509,105
2	Dolphin Watch Point	0.07	complete	60.66	20	Coosaw River Dr to Palmetto Grove Ln	\$ 93,783
6	Graves Road	0.83	none	60.10	21	Fording Island Rd to Terminus	\$ 1,111,993
	<b>Total Miles</b>	<b>1.98</b>				<b>Cost Estimate Total</b>	<b>\$ 2,652,705</b>
							<b>Year 5</b>



# BEAUFORT COUNTY COUNCIL AGENDA ITEM SUMMARY

<b>ITEM TITLE:</b>
Recommendation of Award for RFQ#092420TE Lady’s Island Access Roads Design and Engineering Services
<b>MEETING NAME AND DATE:</b>
Public Facilities Committee – December 21, 2020
<b>PRESENTER INFORMATION:</b>
Jared Fralix, ACA - Engineering (5 mins)
<b>ITEM BACKGROUND:</b>
In November 2018, the citizens of Beaufort County voted for the implementation of a one-cent transportation sales tax program. One of the 3 major projects includes US 21 Corridor Improvements consists of nine projects to improve congestion, reduce delays, improve safety and enhance bicycle and pedestrian accommodations.
<b>PROJECT / ITEM NARRATIVE:</b>
On August 25, 2020, Beaufort County published a solicitation for design and engineering services for the Lady’s Island Access Roads. Six (6) firms submitted their qualifications for consideration and after evaluations from our evaluation team of Jared Fralix, Beaufort County Assistant County Administrator, Mike Meetze, J.Bragg Consulting Project Manager, Matt St. Clair, City of Beaufort Director of Public Works, and Jennifer Necker, SCDOT Lowcountry RPG Engineer, it was determined that Davis & Floyd is most qualified firm for this project. The projects included in this recommendation of award are Hazel Farm Road & Gay Drive; New Lady’s Island Middle School Access; Sunset Boulevard and Miller Drive West; Meadowbrook Drive Extension; Mayfair Court Extension; US 21 Airport Area & Frontage Road.
<b>FISCAL IMPACT:</b>
The engineered cost estimate for this project as prepared by J. Bragg Consulting is \$2,149,841.00. Davis & Floyd provided a fee of \$2,289,214.52 which is within 6.48% of the engineered estimate. With a 10% contingency of \$228,922.00, the total project cost is \$2,518,136.52. The funding for the project is paid through the 2018 One Cent Sales Tax – US 21 Corridor account with an available balance of \$29,208,679.63.
<b>STAFF RECOMMENDATIONS TO COUNCIL:</b>
Staff recommends awarding RFQ#092420TE Lady’s Island Access Roads Design and Engineering Services to Davis & Floyd.
<b>OPTIONS FOR COUNCIL MOTION:</b>
Motion to approve the recommendation of award for RFQ#092420TE Lady’s Island Access Roads Design and Engineering Services to Davis & Floyd.  Motion to deny the recommendation of award for RFQ#092420TE Lady’s Island Access Roads Design and Engineering Services to Davis & Floyd.
<b><i>(Next step - Upon approval, move forward to County Council for consideration of award recommendation.)</i></b>

**Lady's Island Access Roads Design and Engineering Services**

**RFQ#092420TE**

**Evaluation Score Sheet**

Evaluators	Ward Edwards	Davis & Floyd	Kimley Horn	ICE	Parrish & Partners	AECOM
Jared Fralix - Beaufort County Engineering ACA	85	82	79	78	67	64
Matt St.Clair - City of Beaufort Director of Public Works	98	96	87	94	87	84
Jennifer Necker - SCDOT Lowcounty RPG Engineer	69	91	75	59	74	65
Michael Meetze - J.Bragg Consulting Asst. Project Manager	71	85	74	77	70	66
Totals	323	354	315	308	298	279

- 1 - Davis & Floyd 354
- 2 - Ward Edwards 323
- 3 - Kimley Horn 315
- 4 - ICE 308
- 5 - Parrish & Partners 298
- 6 - AECOM 279

# DAVIS & FLOYD

SINCE 1954

December 4, 2020

Brittanee Fields  
Sr. Administrative Specialist  
Beaufort County  
Beaufort, South Carolina, 29902

Re: Lady's Island Access Roads Design & Engineering Services  
Scope and Fee Proposal -Final

Dear Ms. Fields:

Enclosed is the final revision of the scope and fee proposal including the increase in ROW parcels from 20 to 100. This package includes the scope, Davis & Floyd Team fee compilation and fee proposals for each subconsultant.

We are looking forward to working with Beaufort County to deliver these road projects.

Sincerely,

**DAVIS & FLOYD**



D. Brice Urquhart, P.E.  
Vice President

Enclosures: Scope and Fee Proposal

C: Bryan Webb, PE, PTOE, RSP21

# **Lady's Island Access Road Project**

## **Scope of Services**

**DAVIS & FLOYD**

SINCE 1954

**LADY’S ISLAND ACCESS ROADS DESIGN AND ENGINEERING SERVICES  
SCOPE OF SERVICES  
December 4, 2020**

- **MAYFAIR COURT EXTENSION**
- **MEADOWBROOK DRIVE EXTENSION**
- **HAZEL FARM ROAD / GAY DRIVE**
- **LADY’S ISLAND MIDDLE SCHOOL ACCESS**
- **SUNSET BOULEVARD / MILLER DRIVE W.**

**Project Assumptions**

- Improvements can be constructed independently from the US 21 Corridor Improvement project.
- NEPA process will not be required since the project is funded from Local sources.

**Milestone Project Schedule**

Notice-to-Proceed	NTP
Field Surveys & Subsurface Utility Engineering	1 month after NTP
Prepare Preliminary Plans	2 months after NTP
Prepare 70% Plans	3.5 months after NTP
Submit 95% Roadway Plans, Utility and Drainage Reports	5 months after NTP
Submit Permit Package	5 months after NTP
Submit Final Roadway Plans	6-8 months after NTP
Finalize right of way acquisition	14 months after NTP

The scope of services for this project was developed based on the request for qualifications and through coordination with Beaufort County:

**SUMMARY OF WORK**

- Task 1 -- Project Management
- Task 2 -- Surveys
- Task 3 -- Utility Coordination
- Task 4 – Preliminary Design
- Task 5 – Right of Way Plan Design
- Task 6 -- Hydraulic and Hydrologic Design
- Task 7 -- Public Involvement and Meetings
- Task 8 -- Geotechnical Investigation and Pavement Design Options
- Task 9 -- Final Roadway Construction Plans
- Task 10 -- Landscaping and Lighting Plans
- Task 11 -- Construction Bid Phase Services
- Task 12 -- Permitting
- Task 13 – Right-of-Way Acquisition Phase Services
- Task 14 – Subsurface Utility Engineering (SUE)
- Task 15 -- Construction Phase Services
- Task 16 – Traffic Signal Design

## TASK 1 – PROJECT MANAGEMENT

Project management will be provided for the development of the project internally, with subconsultants, Beaufort County representatives, SCDOT and other stakeholders. Project management will include weekly/bi-weekly meetings, reviews, and correspondence to collaborate with Beaufort County representatives on the issues, designs, and progress of the project. D&F will submit monthly invoices, include progress reports, and identify issues and concerns.

Coordination with other regulatory agencies and stakeholders will be performed. They will involve the following:

### **Environmental Agencies**

A letter of intent will be prepared and distributed to the affected agencies (USACE, USFWS, SHPO, SC DNR, DHEC/OCRM, etc.) This will initiate coordination with resource and regulatory agencies that will continue throughout the project.

### **SCDOT**

The project team will coordinate with SCDOT throughout the duration of the project.

### ***Assumptions:***

- *Attendance at 12 progress meetings during the project. This assumes monthly meetings for 12 months.*
- *Attendance at 8 meetings during the project with various agencies and stakeholders.*
- *Provide monthly updates on budget, schedule, expenditures, and status reports*
- *Other duties as deemed necessary by the County's Project Manager*

### ***Deliverables:***

- *Project meeting agenda and minutes (including action items).*

## **QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)**

The project team will provide a quality control review of all work prior to submittal to the County. The goal of the QC review is to produce design plans that are free of errors and contain accurate documentation of decisions, recommendations and assumptions. QC reviews will be performed on conceptual designs, preliminary plans, right-of-way plans, and construction plans. QC review comments for formal submittal of project deliverables to the County will be documented on comments logs. These logs will provide the project team's response to each comment, identify comments warranting further discussion, and track closeout of each comment with an agreed upon solution. Copies of comments logs will be provided to the County subsequent to each deliverable to provide for quick verification that comments have been properly addressed.

Quality assurance reviews will be performed periodically to verify that consistent and on-going QC is occurring.



## TASK 2 – SURVEYS

Project control and on-the-ground surveys will be collected for this project as follows:

### Mayfair Court Ext.:

- 125-ft corridor width along Mayfair Court for approximately 1,300 LF from Sam's Point Road to William Street.
- 125-ft corridor width along William Street for approximately 600 LF (300 LF either side of the proposed new intersection).
- Existing drainage outfalls will be surveyed 50 LF beyond the top of banks and for 100 LF upstream/downstream.
- Perform pipe inspection where required.

### Meadowbrook Drive Ext.:

- 125-ft corridor width along the proposed alignment of Meadowbrook Drive for approximately 900 LF from Lupo Drive to Dow Road.
- 125-ft corridor width along Meadowbrook Drive S. for approximately 300 LF south of Lupo Drive.
- 125-ft corridor width along Lupo Drive. for approximately 600 LF (300 LF either side of the proposed new intersection).
- Existing drainage outfalls will be surveyed 50 LF beyond the top of banks and for 100 LF upstream/downstream.
- Perform pipe inspection where required.

### Hazel Farm Road / Gay Drive.:

- 125-ft corridor width along Hazel Farm Road and Gay Drive for approximately 1,600 LF from Lady's Island Drive Gay Drive
- 125-ft corridor width along Gay Drive for approximately 1,600 LF from Hazel Farm Road to US 21.
- 125-ft corridor width along Inlet Drive for approximately 350 LF from Hazel Farm Road to Ferry Drive.
- 125-ft corridor width along Ferry Drive for approximately 600 LF (300 LF either side of the proposed new intersection).
- 125-ft corridor width along Lady's Island Drive for approximately 600 LF (300 LF either side of the proposed new intersection).
- 125-ft corridor width along US 21 for approximately 600 LF (300 LF either side of the proposed new intersection).
- Existing drainage outfalls will be surveyed 50 LF beyond the top of banks and for 100 LF upstream/downstream.
- Perform pipe inspection where required.

### New Lady's Island Middle School Access.:

- 125-ft corridor width along the proposed alignment of Middle School Access for approximately 1,500 LF from Robin Drive to US 21.

- 125-ft corridor width along US 21 for approximately 600 LF (300 LF either side of the proposed new intersection).
- 125-ft corridor width along Cougar Drive for approximately 300 LF (300 LF from the proposed new intersection).
- Existing drainage outfalls will be surveyed 50 LF beyond the top of banks and for 100 LF upstream/downstream.
- Perform pipe inspection where required.

Sunset Boulevard / Miller Drive West.:

- 125-ft corridor width along the proposed alignment of the Sunset Boulevard for approximately 2,100 LF from US 21 to Miller Drive
- 125-ft corridor width along Miller Drive for approximately 1,900 LF from Sunset Boulevard to Sam's Point Road.
- Existing drainage outfalls will be surveyed 50 LF beyond the top of banks and for 100 LF upstream/downstream.
- Perform pipe inspection where required.

The survey is divided into the subtasks included below.

1. Primary Control Surveying – The Project Control will be set from local NGS monuments using South Carolina State Plane Coordinates based on the NAD 83 horizontal datum and the NAVD 88 vertical datum. A combination of GPS, conventional traverses, and level loops will be used to establish a project control network.
2. Property Strip Map – Plat and deed research of parcels affected by the project and their adjoining (if needed) will be collected. These plats and deeds will be used to create a preliminary property strip map. This preliminary property strip map will assist during detailed design surveys to locate property pins existing within the project limits. The pins located during the detailed design survey will be used to refine the final property strip map. The property strip map will be the basis for computing the required “takes” for the new Right-of-Way. A list of property owners within the project limits will be provided to Beaufort County representatives. All of the right-of-way and parcel information will be compiled into the AutoCAD environment.
3. Detailed Design Surveys - Detailed design surveys will be used during the development of preliminary plans. From the control network these surveys will be performed to gather all topographic and planimetric information necessary for design (including but not limited to wetland delineations, cross sections, topography shots, break lines, building corners, property corners, trees, drainage boxes, manholes, edges of pavement, sanitary & storm-sewer culvert inverts, utility location marks, curb lines, and small objects such as valves, meters, bollards, etc.) Existing drainage outfalls will be included.
4. Digital Terrain Model (DTM) – From the detailed design surveys, a DTM will be created to be used in the development of existing profiles and cross sections.

5. Process Survey Data and Mapping – The field surveys will be processed and drafted into Microstation CADD to include breaklines that reflect field conditions. Each point of the processed survey will include Point ID, Description, and Elevation. Complete mapping and linework will be included displaying all planimetric information.
6. Reference Data Sheets (RDS) – The project control network will be shown on RDS in relation to the project centerline and existing features. Point description, northing, easting, and elevation data will be included. Two survey control points will be set outside the limits of construction at the beginning and end of the project to prevent them from being destroyed.
7. Wetland Jurisdictional Delineation – Wetland flagging will be surveyed and incorporated into a wetland file within AutoCAD. Wetland survey to be completed utilizing a submeter GPS to locate wetland flagging. Wetland exhibits will be prepared for inclusion in the Wetland Jurisdictional Determination package, submitted to USACE.

***Assumptions:***

- *Project team will prepare and advertise notice prior to commencement of field surveys/investigations.*
- *Identification and marking of jurisdictional wetland boundaries with sequentially numbered flags to be performed by subconsultant.*
- *Utility locates will be marked by PUPS or individual utility companies prior to beginning the topographic surveys.*

### **TASK 3 – UTILITY COORDINATION**

The project team shall have the responsibility of coordinating the project development with utilities that may be affected. Utility relocations shall be handled in accordance with the Code of Federal Regulations, Title 23, Chapter I, Subchapter G, part 645, subparts A and B.

These services shall be performed by individuals skilled and experienced in utility coordination services.

The project team shall prepare and maintain a Utility Conflict Matrix (UCM) in order to track each utility within the project limits during the life of the Project. Depending on the level of Utility Coordination, the following items will be included at a minimum within the UCM.

#### **Early Utility Coordination (0% Final Plan Drawings)**

- **Project Preliminary Review:** The project team shall coordinate with the Beaufort County Project Manager to collect and review available project plans and the proposed scope of construction.
- **Utility Introduction Letter:** The project team shall develop a Utility Introduction Letter for each utility company. This letter shall be populated by the project team

with the utility company's information (to include the company's email address) and electronically sent to the Beaufort County Project Manager for signature and mailing.

- **Utility Record Collection and Review:** The project team shall initiate early coordination with all utility companies that are located within the Project limits. Coordination shall include, but shall not be limited to, contacting each utility company to advise the company of the proposed Project, obtaining copies of as-built plans for the existing utility facilities (if available), perform a review of utility as-built plans and determine the utility company's requirements for the relocation of their facilities.
- **Site Visit:** The project team shall perform a site visit for a visual inventory of existing utilities within the proposed project limits.
- **Approximate Utility Relocation Cost Estimate:** The project team shall determine the approximate utility relocation costs for each individual utility company based on the proposed scope of construction. The purpose of this estimate is to provide an overall approximate cost to the Beaufort County Project Manager.

### **Preliminary Utility Report (30% Final Plan Drawings)**

- All Tasks Outlined in Early Utility Coordination
- **Initial Plan Distribution:** The project team shall provide the utility company with preliminary design plans as soon as the plans have reached a level of completeness adequate to allow the company to begin understanding the Project impacts.
- **Coordination Meeting with Utility Companies:** The project team shall coordinate and conduct a review meeting with the utility companies to assess and explain the impact of the Project to the company. Beaufort County's Project Manager (or designee) shall be included in this meeting.
- **Collection and Review of Prior Rights Documentation:** The project team shall request the prior rights documents for each utility company's facilities. If there is a dispute over prior rights with a utility, the project team shall be responsible for resolving the dispute and making a recommendation to Beaufort County. The project team shall meet with the Beaufort County to present the prior rights information gathered. This information must be sufficient for Beaufort County to certify the extent of the utility company's prior rights. Beaufort County shall have final approval authority as to the project team's determination of whether the utility company has prior rights.
- **Preliminary Utility Report:** The project team shall prepare the Preliminary Utility Report.
- **Progress Review Meeting:** The project team shall conduct a progress review meeting with the Beaufort County Project Manager.
- **Preliminary Utility Report Deliverables**

The project team shall prepare and submit to Beaufort County a Preliminary Utility Report in accordance with the project milestone schedule which includes:

- List of all utility companies and contact information within the project limits.
- Utility Company Coordination Meeting Minutes.
- Preliminary recommendation as to the extent of each utility company's prior rights.

- Preliminary assessment of the impact to each utility company, including costs, as can best be determined at the time.
- Recommendations for In-Contract Utility Relocations.
- Recommendations for early Utility Relocations prior to the start of construction.
- Preliminary Utility Report to be delivered in an electronic format (pdf).
- List of all utility companies and contact information within the project limits.
- Utility Introduction Letter.
- Early assessment of each Utility Company's facilities located within project limits.
- Site Visit documentation (notes, photographs, sketches, etc.).
- Utility Records
- Approximate Utility Relocation Cost.
- Utility Clearance Separation Values.

### **Final Utility Report (90% Final Plan Drawings)**

- All Tasks Outlined in Preliminary Utility Report
- Relocation Sketch Request: The project team shall request each utility company to provide a Relocation Drawing of their affected utilities. The utility company may use Beaufort County's design plans for preparing Relocation Sketches. These plans shall contain all available data that may be helpful to the utility company in assessing the utility impact. If a party other than the utility company or its agent prepares Relocation Sketches, there shall be a concurrence box on the plans where the utility company signs and accepts the Relocation Sketches as shown.
- Utility Agreement Collection: The project team shall be responsible for collecting the following from each utility company that is located within the project limits: **Relocation Sketches** including **letter of "no cost"** where the company does not have a prior right; **Utility Agreements** including cost estimate and relocation plans where the company has a prior right; and **Letters of "no conflict"** where the company's facilities will not be impacted by the Project.
- Utility Agreement Review: The project team shall review all Relocation Sketches and Utility Agreements to ensure that relocations comply with the Code of Federal Regulations, Title 23, Chapter 1, Subchapter G, part 645, subparts A and B. The project team shall also ensure that there are no conflicts with the proposed highway improvements and ensure that there are no conflicts between each of the utility company's relocation plans.
- Final Utility Report: The project team shall prepare the Final Utility Report.
- Utility Conflict Matrix: The project team shall complete the Final Utility Conflict Matrix.
- Final Utility Report Deliverables

The project team is expected to assemble the information included in the Utility Agreements and Relocation Drawings in a final and complete form and in such a manner that Beaufort County may approve the submittals with minimal review. Each Utility Agreement and Relocation Sketch submitted must be accompanied by a certification from the project team stating that the proposed relocation will not conflict with the proposed highway improvement and will not conflict with another utility company's relocation plan. The report shall also

contain the project team's recommendation for approval of the Utility Agreements and Relocation Sketches and the project team's recommendation that, from a utility's standpoint, the Project is ready to be let to contract. The project team shall prepare and submit to Beaufort County a Final Utility Report no later than **90** days prior to the letting date (120 days if 60-day advertisement) that includes:

- List of all utility companies and contact information within the project limits
- Utility Companies Coordination Meeting Notes
- All prior rights supporting documentation.
- Description of each utility company's relocation plans
- Final assessment and explanation of the Project impact to each utility company.
- Relocation Drawings
- Letters of "No Cost"
- Utility Agreements
- Letters of "No Conflict"
- Recommendation for approval of the Final Utility Agreements and Relocation Sketches
- Certification of no conflict of the Final Utility Agreements, Relocation Sketches and the Project
- Final estimated utility relocation cost
- Utility Conflict Matrix

#### **U-Sheets (100% Plan Drawings)**

- U-Sheets: The project team shall prepare and maintain a compilation of all utility relocation plans on one set of the project plans. These plans (U-sheets) will be used during the project development, and the final set may be included in the bid documentation for information only and will reference the actual relocation plans prepared by the utility.
- U-Sheet Deliverables
  - U-Sheets shall be prepared on 22"x36" plans.

#### **TASK 4 – PRELIMINARY PLAN DESIGN**

Project team will work with Beaufort County to develop a Preferred Alternative for each of the roadway projects. Once a Preferred Alternative is selected, Preliminary level plans (30%) will be developed.

The Preliminary plan design will be based on information obtained through base mapping gathered from surveys, input from residents, and coordination with Beaufort County representatives.

The preliminary engineering design phase will include the following:

- Field scoping review/survey verification
- Selection/analysis of design speed

- Preliminary horizontal and vertical alignment analysis
- Roadside clear zone
- Existing utilities
- Approximate construction limits
- Typical section(s)
- Property strip maps
- Existing R/W Limits and Cost Estimate

Preliminary roadway plans shall consist of a title sheet, typical section(s), and plan/profile sheets at a horizontal scale of 1"=50' and a vertical scale of 1"=10'. In addition to the plans, a preliminary construction cost estimate will be prepared. Upon the completion of preliminary plans, D&F will provide 6 half-size copies and 3 full-size copies of plans to Beaufort County.

***Assumptions:***

- *Analysis needed to support the NEPA process will not be required.*
- *All projects will be designed to meet/exceed the requirements of SCDOT's Highway Design Manual, Standard Drawings for Road Construction, and 2007 Standard Specifications for Highway Construction unless otherwise directed by Beaufort County.*

***Deliverables:***

- *5 half size sets of plans (total plan sets) sent to Beaufort County, SCDOT, and other stakeholders*
- *Preliminary Construction Cost Estimate*

**TASK 5 – RIGHT OF WAY PLAN DESIGN**

Project team will work with Beaufort County to develop R/W level plans (70%) for each of the access road projects. The design plans will be based upon improvement recommendations outlined in the traffic study prepared by Stantec or as directed by Beaufort County.

The R/W plan design will be based on information obtained through base mapping gathered from surveys, input from residents, and coordination with Beaufort County representatives. During the R/W plan phase, horizontal and vertical alignments for the new roadway will be developed.

The preliminary engineering design phase will include the following:

- Field scoping review/survey verification
- Selection/analysis of design speed
- Preliminary horizontal and vertical alignment analysis
- Roadside clear zone
- Existing utilities

- Approximate construction limits
- Typical section(s)
- Property strip maps
- Existing R/W Limits and Cost Estimate

R/W plans shall consist of a title sheet, typical section(s), and plan/profile sheets at a horizontal scale of 1" =50' and a vertical scale of 1" =10'. In addition to the plans, a preliminary construction cost estimate will be prepared. Upon the completion of R/W, D&F will provide 6 half-size copies and 3 full-size copies of plans to Beaufort County/SCDOT/other stakeholders for review.

***Assumptions:***

- *Traffic analysis/study will be provided by Beaufort County.*
- *All projects will be designed to meet/exceed the requirements of SCDOT's Highway Design Manual, Standard Drawings for Road Construction, and 2007 Standard Specifications for Highway Construction unless otherwise directed by Beaufort County.*

***Deliverables:***

- *5 half size sets of plans (total plan sets) sent to Beaufort County, SCDOT, and other stakeholders*
- *Preliminary Construction Cost Estimate*

**TASK 6 – HYDRAULIC AND HYDROLOGIC DESIGN**

The road drainage design will be performed in accordance with the SCDOT “Requirements for Hydraulic Design Studies” (May 26, 2009 Edition). It is anticipated that the conveyance system for the project will include a combination of closed and open systems that will discharge into existing outfalls. Stormwater quantity and/or quality requirements may dictate the need for detention ponds, rain gardens, and/or water quality structures (WQS). Initial coordination with the regulatory agencies will be imperative in determining both construction and post-construction stormwater management requirements. Preliminary locations and sizes of ponds will be identified to support sufficient R/W being acquired if needed. Project team will coordinate with a pre-approved SCDOT/Beaufort County vendor to specify appropriate number and locations of WQS.

The closed and open systems will be designed for a minimum 10-yr storm event. Cross lines will be designed for a minimum 25-yr storm event.

Stormwater management will meet the requirements of Beaufort County. Volumetric control of the 95-percentile storm event to the pre-developed condition will be provided. Additionally, post-development peak flow rates for the 2-, 10-, 25- and 100-year storm events will be controlled to not exceed pre-developed conditions.

Project team will coordinate with the local floodplain manager/FEMA coordinator to determine areas requiring modeling and analysis to receive a No Impact Certification.



Project team shall provide the hydraulic modeling and design of open and closed drainage systems with GEOPAK Drainage and the FHWA Hydraulic Toolbox. Any required “No Impact” Certification analyses would be performed using HECRAS if applicable. Modeling, analysis, and design of stormwater ponds will be performed using SWMM or similar application.

Sediment and Erosion Control Design plans will be prepared and evaluated to determine if sufficient R/W is available for the project. The plans will be designed to meet SCDOT, SCDHEC/OCRM, and local municipal requirements (Beaufort County).

A Stormwater Management Design Report will be prepared. The report will include project description, drainage approach and methodology, design calculations, checklists, soils descriptions and locations maps.

***General Assumptions:***

- *Study limits will be inside the road SCDOT right-of-way and all drainage will connect to an existing drainage inlet or outfall.*
- *Existing inlets or drainage piping may need to be improved to meet current design standards.*
- *The hydraulic/hydrologic design does not include a study/design for on-site wetland mitigation.*
- *There are no major flooding/drainage problems documented for the project area for typical design storm events as noted.*
- *There are no known regional impairments, stormwater management studies and basin-specific management plans for the watersheds encompassing the project limits; and therefore, the scope does not include analysis beyond studying impacts from the roadway improvements.*
- *CLOMR/LOMR analysis, modeling, and design are not included.*
- *Regional modeling will not be included.*
- *It is assumed that SCDOT specifications will be used, therefore additional specifications are not anticipated or included in the scope of work.*
- *It is assumed that SCDOT standard details will be used, special details will not be included in the scope of work.*
- *Water quality quantitative/qualitative analyses will not be included.*
- *Applicable water quality requirements can be met with traditional BMP's or water quality structures.*
- *Assume adequate topography is available to outfall project runoff.*
- *Assume no infiltration practices will be required.*
- *Bridge hydraulics will not be included in this scope of work.*
- *Easement/property acquisition services will be excluded.*

**Deliverables:**

- *Stormwater Management Design Report will be included.*
- *Design calculations.*

**Area Specific Assumptions:****Mayfair Court Extension**

- *Assume there is ample right-of-way available for stormwater management or easements will be provided to utilize/improve the existing pond for the new improvements.*
- *Assume no jurisdictional wetlands will be in the project limits.*
- *The runoff from the new roadway can adequately connect to existing piping and/or ditch outfall within the new or existing rights-of-ways.*

***Assumptions:***

- *Project road improvements will be designed to connect to Sam's Point Road improved design by others or existing conditions for secondary roads.*
- *Roadway improvements design by others will be provided prior to beginning work.*
- *Any changes to the Sam's Point Road improvements design by others, which require D&F project design revisions, will be out of scope.*

**Meadowbrook Drive Extension**

- *Assume there is ample right-of-way available for stormwater management.*
- *Assume no jurisdictional wetlands will be in the project limits.*
- *The runoff from the new roadway improvements can adequately connect to outfall piping or ditches within the project right-of-way or easements within the project limits.*
- *Project design will connect to the existing conditions at the connecting roadways, ( Tidewatch center, Dow Road).*

**Hazel Farm Road and S-7-497 Gay Drive**

- *Assume there is ample right-of-way available for stormwater management.*
- *Assume no jurisdictional wetlands will be in the project limits.*
- *The proposed relocated pond can adequately connect to the existing piping and ditch outfall.*
- *Project design will connect to the existing conditions at the connecting roadways, (US-21 Lady's Island Drive and US-21 Sea Island Parkway)*

### **New Lady's Island School Access**

- *Assume there is ample right-of-way available for stormwater management or easements will be provided to utilize/improve the existing pond for the new improvements.*
- *Assume no jurisdictional wetlands will be in the project limits.*
- *The runoff from the new roadway can adequately connect to existing piping and/or ditch outfall within the new or existing rights-of-ways.*
- *Roadways being abandoned/relocated will be returned to pervious land use (pavement removed) to reduce impacts to stormwater management.*
- *Project road improvements will be designed to connect to US-21 Sea Island Parkway.*

### **S-7-186 Sunset Boulevard and S-7-187 Miller Drive West**

- *Assume there is ample right-of-way available for stormwater management.*
- *Assume no jurisdictional wetlands will be in the project limits.*
- *The runoff from the new roadway improvements can adequately connect to outfall piping or ditches within the project right-of-way or easements within the project limits.*
- *Project design will connect to the existing conditions at the connecting roadways, (US-21 Sea Island Parkway and Sam's Point Road)*

## **TASK 7 – PUBLIC INVOLVEMENT AND MEETINGS**

Project team will coordinate with the county on the meeting locations, provide and coordinate the advertisements, assist at the meetings, etc. It's anticipated that two (2) meetings will be needed. Two Access Road specific public information meetings are anticipated after right of way plans are completed it is assumed that all of the access projects will be included and discussed at this meeting. It is anticipated that two Access Road meetings will be held as the development of design for some roads may progress more quickly than others. It is assumed that these meetings will be virtual/online.

### ***Assumptions:***

- *Access Road team will review comments received during Beaufort County's public information meeting tentatively scheduled for January 2021. The project team will be responsible for preparation of all necessary exhibits and meeting materials and will host the Access Road public information meetings. It is assumed that right of way plans for each of the access road projects will be presented and discussed at this meeting.*
- *It is assumed that the public information meetings will be held in an online/virtual format.*
- *County will set-up and manage the project website(s)*

## TASK 8 – GEOTECHNICAL INVESTIGATION AND PAVEMENT DESIGN OPTIONS

Geotechnical investigations and geotechnical engineering will be performed for the development of a preliminary geotechnical report, pavement design letter and final geotechnical report.

***Preliminary Subsurface Exploration*** –Preliminary subsurface exploration will include hand auger borings with Kessler Dynamic Cone Penetration (DCP) testing to determine in situ California Bearing Ratio (CBR). Preliminary borings will be widely spaced, and the preliminary boring locations will complement the final boring locations. A request for utility marking will be made to the Statewide Utility One-call Service (SC811) at least 3-days prior to field work. Proposed boring locations will be determined by the project team. The project team will provide copies of the proposed preliminary subsurface exploration plans including the anticipated final boring locations to the County prior to initiation of field work for review and acceptance. The preliminary subsurface exploration plan will include the following:

- Description of the proposed testing types and their purpose
- Depth of tests
- Location of tests

Preliminary subsurface exploration will be conducted as follows:

### Mayfair Court Ext.:

- 1 hand auger borings to a depth of about 5-ft with Kessler DCP measurements to a depth of about 2½ feet

### Meadowbrook Drive Ext.:

- 1 hand auger borings to a depth of about 5-ft with Kessler DCP measurements to a depth of about 2½ feet

### Hazel Farm Road / Gay Drive:

- 3 hand auger borings to a depth of about 5-ft with Kessler DCP measurements to a depth of about 2½ feet

### New Lady's Island Middle School Access:

- 3 hand auger borings to a depth of about 5-ft with Kessler DCP measurements to a depth of about 2½ feet

### Sunset Boulevard / Miller Drive West:

- 3 hand auger borings to a depth of about 5-ft with Kessler DCP measurements to a depth of about 2½ feet

Boreholes will be backfilled with auger cuttings.

**Laboratory Testing** – The project team will be AASHTO certified in the anticipated laboratory testing outlined below. The laboratory testing will be performed on selected samples in order to evaluate the types of soils encountered, confirm visual classifications, and estimate engineering properties for use in design. Laboratory testing for the preliminary exploration will be the following:

- Four (4) Natural Moisture Content Tests
- Four (4) Grain Size Distribution with wash No. 200 Sieve
- Four (4) Moisture-Plasticity Relationship Determinations (Atterberg Limits)

**Preliminary Geotechnical Engineering Report** – The Preliminary Geotechnical Engineering Report will be prepared and include:

- Description of Field and Laboratory Testing
- Logs of borings
- Description of soil encountered at the site
- Preliminary pavement soil support considerations
- Construction considerations

The preliminary report will be signed and sealed by a registered SC Professional Engineer.

**Final Subsurface Exploration** – Final subsurface exploration will include pavement cores, additional hand auger borings with Kessler DCP to determine in situ CBR, and collection of bulk soil samples for laboratory testing. Final borings will be spaced about 500-ft apart and will complement the preliminary boring locations. The project team will also drill soil test borings with Standard Penetration Testing (SPT) for each mast arm signal structure. A request for utility marking will be made to the Statewide Utility One-call Service (SC811) at least 3-days prior to field work. Proposed boring locations will be determined by the project team. The project team will provide copies of the proposed final subsurface exploration plans including the anticipated final boring locations to the County prior to initiation of field work for review and acceptance. The final subsurface exploration plan will include the following:

- Description of the proposed testing types and their purpose
- Depth of tests
- Location of tests

Final subsurface exploration will be as follows:

**Mayfair Road Ext.:**

- One (1) hand auger borings to a depth of about 5-ft with Kessler DCP measurements to a depth of about 2½ feet
- Collection of one bulk soil sample

Meadowbrook Drive Ext.:

- One (1) hand auger borings to a depth of about 5-ft with Kessler DCP measurements to a depth of about 2½ feet
- Collection of one bulk soil sample

Hazel Farm Road / Gay Drive:

- Two (2) Pavement Cores of existing pavement
- Three (3) hand auger borings to a depth of about 5-ft with Kessler DCP measurements to a depth of about 2½ feet
- Collection of one (1) bulk soil sample
- 35-ft deep soil test boring for the mast arm signal at US 21 and Gay Drive
- 35-ft deep soil test boring for the mast arm signal at Lady's Island Drive and Hazel Farm Road

New Lady's Island Middle School Access:

- Two (2) Pavement Cores of existing pavement
- Two (2) hand auger borings to a depth of about 5-ft with Kessler DCP measurements to a depth of about 2½ feet
- Collection of one (1) bulk soil sample
- 35-ft deep soil test boring for the mast arm signal at US 21 and New Access Road

Sunset Boulevard / Miller Drive West.:

- Four (4) Pavement Cores of existing pavement
- Six (6) hand auger borings to a depth of about 5-ft with Kessler DCP measurements to a depth of about 2½ feet
- Collection of one (1) bulk soil sample
- 35-ft deep soil test boring for the mast arm signal at US 21 and Sunset Boulevard
- 35-ft deep soil test boring for the mast arm signal at SC 802 and Miller Drive West

Bore holes will be backfilled with auger cuttings and pavement patched with asphalt cold patch.

**Other Field-Testing Items**

- Mobilization: Mobilization will be estimated for one pavement coring drill.
- Mobilization: Mobilization will be estimated for one soil test boring drill rig.
- Traffic control will be performed in accordance with the latest SCDOT guidelines. It is anticipated that a fluid (moving) lane closure with standard flagging will be required for portions of the field exploration.
- Hand clearing will be utilized to create access pathways for boring locations within undeveloped areas of new roadways.

**Laboratory Testing** – The project team will be AASHTO certified in the anticipated laboratory testing outlined below. The laboratory testing will be performed on selected samples in order to evaluate the types of soils encountered, confirm visual classifications, and estimate engineering properties for use in design. Laboratory testing for the final

exploration will be the following:

- Twenty (20) Natural Moisture Content Tests
- Twenty (20) Grain Size Distribution with wash No. 200 Sieve
- Twenty (20) Moisture-Plasticity Relationship Determinations (Atterberg Limits)
- Six (6) Standard Proctor Compaction
- Six (6) California Bearing Ratio

### **Final Geotechnical Engineering Report and Pavement Design Letter**

The Final Geotechnical Engineering Report will be prepared and include:

- Description of Field and Laboratory Testing
- Logs of cores and borings
- Description of pavement and soil encountered at the site
- Pavement soil support considerations
- Construction considerations for roadway subgrade

The Pavement Design Letter will be developed based on the structural number determined in the geotechnical report using SCDOT's Pavement Design Guide (latest edition) and pavement design software provided by SCDOT. A Pavement Design Letter Report will be submitted to the County and SCDOT for review and concurrence. Two to four pavement design options will be developed for consideration. Upon approval, the pavement design will be incorporated into the plans.

The final geotechnical report will include the Pavement Design Letter Report along with final recommendations for roadway sub-grade.

### **TASK 9 – FINAL ROADWAY CONSTRUCTION PLANS**

The R/W plans will be refined to provide sufficient details for the construction project. Final construction plans will be prepared to consist of the following:

- Title Sheet showing a location map, project layout, and index of drawings.
- Summary of Estimated Quantities Sheet(s), utilizing SCDOT's master list, showing pay item numbers, descriptions, quantity, and unit.
- Moving Items, Removal and Disposal Items, and Reset Fences Sheet(s) will be revised to reflect information from the R/W Acquisition.
- Typical Section Sheets for the mainline and crossroads for each significant change in sections. The sections will show dimensions, approved pavement design(s), stations, and design speeds.
- R/W Data Sheets will include final obtains, permissions, etc. It will also include the date acquired and type of instrument, if available.
- R/W Strip Maps will show present and new rights-of-way, along with property number, horizontal alignment. These sheets will be developed at 1" = 100' or 1" = 200' scale.
- General Notes Sheet with inclusion quantities and notes

- Reference Data Sheet(s) will horizontal alignments, geopak alignment chain information, control points and benchmark information.
- Roadway and drainage plan and profile sheets, with a horizontal scale of 1"=50' and a vertical scale of 1"=5', showing existing conditions, existing utilities, proposed centerline, edges of pavement, curb & gutter, medians, sidewalks, driveways, construction limits, proposed drainage design for open and closed systems, rights-of-way, control of access, easements, property lines, tract numbers, etc.
- Traffic Control Plans will be developed to show staged construction where required, barrel locations, pavement markings for construction, etc.
- Pavement Marking and Signing Plans will be prepared. Sign panel and sign support details will be prepared.
- Landscaping and Lighting Plans will show plant type and location, grading requirements, special details, light fixture type and location, etc. (See Task 10 for details)
- Special Catch Basin Details for utility conflict boxes, etc.
- Other special detail sheets as required for MSE walls not associated with the bridge, culvert details, etc., if not included in a separate plan set.
- Erosion Control Data Sheet utilizing SCDOT's standard sheet.
- Cross Sections, at 50-ft intervals with a scale of 1"=5', showing existing ground, proposed surface, pavement structure, curb & gutter/ditches, shoulders, sidewalks, elevations, R/W limits, wetland limits, NPDES limits, etc.

The plans will be developed in accordance with the following design standards:

- SCDOT Highway Design Manual
- SCDOT 2007 Standard Specifications for Highway Construction
- SCDOT Standard Drawings for Road Construction
- SCDOT Engineering Directives and Instructional Bulletins
- SCDOT Standard Provisions
- AASHTO Guidelines
- SCDOT Requirements for Hydraulic Design Studies, 2009 Edition

The project team will develop final pavement marking and signing plans at 1" = 50' showing location and type of signs, lane lines, stop bars, cross walks, and other appropriate markings. The plans will include dimensions sufficient for field layout.

***Deliverables:***

- *Draft final construction plans (95%) for review and comment.*
- *Final Signed Construction Plans, incorporating comments, as required.*
- *Final Special Provisions.*
- *Final Construction Cost Estimate.*

**TASK 10 – LANDSCAPING AND LIGHTING PLANS**

Areas to be landscaped will be identified in the preliminary roadway plans and preliminary landscaping plans will be developed and included with the Final plans. Coordination will be required with the County and other stakeholders on location, plan types, etc.



Based on comments received, the preliminary landscaping plans will be revised and a final set of landscaping plans will be developed and included in the final roadway construction plans. These plans will include quantities and any associated special provisions will be included in the bid package.

Lighting design will be performed for the project. This will include any project areas with lighting slated for lighting improvements.

Lighting Plans will show light fixtures, poles, conduit, and wiring necessary to implement the lighting improvements. The plan will be coordinated with other utilities and stormwater design.

The plans will incorporate the following steps for the lighting submittals:

- Conduct Field Review – A field review will identify the power feed and wiring of the existing utilities to identify potential for new wiring.
- Prepare Lighting Base Plans – A base plan will be prepared for the area. The base plan will show the existing roadway features and power feed as identified in the field review.
- Determine Pole Bases – Pole bases will be determined for the proposed lights.
- AGi32 Photometric Analysis – Photometric analysis will be provided by others.
- Preliminary Lighting Plans – Plan sheets at 50 scale will be prepared to show photometric data and light fixture locations. Data includes calculation points, isolines, lighting averages, and photometric thresholds indicated by the IESNA RP-8.
- Provide Comment Responses – Comments from submittals will be reviewed and responded to accordingly. Revisions to plans will be prepared based on comments or other agreed upon design changes.
- Lighting Plans - Several 50 scale plan sheets will be prepared. A legend and general notes sheet will be prepared. Plans will include lighting schedules with fixture, light pole, and other lighting infrastructure information. Lighting panel schedules will be prepared with panel and circuit information. Additional details will be prepared for any design elements requiring such information.
- Lighting Calculations – Voltage drop, wire sizing, conduit fill, or any other pertinent calculation necessary will be prepared.
- Pay item quantities and prices will be developed to prepare an engineer's estimate. Any special provisions necessary to furnish or install lighting will be provided.

An irrigation plan will be provided that includes meter location(s), electrical service, sprinkler locations, etc. to provide a complete and fully functioning irrigation system.

***Assumptions:***

- *Lighting fixtures will be provided through a utility agreement with the Beaufort County.*
- *Photometric analysis is assumed to be provided by others and is not included in the scope of services.*

***Deliverables:***

- *Preliminary landscaping plan included with preliminary plans.*
- *Final landscaping plan included in roadway construction plans.*
- *Preliminary photometrics and light fixture location plan.*
- *Final lighting plans included in roadway construction plans.*

**TASK 11 – CONSTRUCTION BID PHASE SERVICES**

Based on the Final Roadway Construction Plans and final quantities, project team will prepare specifications and bid documents for bidding and letting of the construction contract. the bid package will be submitted to the County for review and approval. These bid documents will be prepared in accordance with SCDOT/County procurement guidelines and SCDOT standards, including their standard specifications and supplemental specifications.

***Assumptions:***

- *Prepare documents to SCDOT/County procurement guidelines. The County will provide the front-end documents, unless required to use SCDOT's, for the bid package.*
- *Use SCDOT standard specifications and supplemental specifications.*
- *The project will be bid by Beaufort County Procurement with assistance from project team*

***Deliverables:***

- *Electronic copies of Bid Item Sheet, Special Provisions, and Supplemental Technical Specifications and final construction plans will be provided.*
- *5 hard copies of the bid package and final construction plans will be provided.*

**TASK 12 –PERMITTING**

The Project Team will address any comments from the agencies below and incorporate them into the plans so that the permits may be obtained.

- SCDOT Encroachment Permit – The ENGINEER will prepare the SCDOT encroachment permit application for encroachment each Independent Road. Any fees associated with this permit will be the responsibility of the COUNTY.
- USACE JD– A Jurisdictional Delineation and wetland evaluation will be performed to determine if there are any wetlands within the project area. A JD package will be submitted to USACE.
- SCDHEC Permits –The Project Team will prepare the SWPPP, NOI Application, and CZC checklists per OCRM requirements and submit them for the permits. The SWPPP report will contain drainage basin maps and drainage calculations in the appendix. Any permitting fees associated with SCDHEC will be the responsibility of the COUNTY.
- Beaufort MS4 – The ENGINEER will prepare the necessary permit documents to submit for MS4 approval from Beaufort. Any fees associated with this permit will be the responsibility of the County.

***Deliverables:***

- 5 copies of the NPDES/MS4/CZC application package with final roadway construction plans.
- USACE wetland delineation and permitting
- SCDOT encroachment permitting and support County with IGA compliance
- County will pay for all permit related fees.

**TASK 13 – RIGHT-OF-WAY ACQUISITION PHASE SERVICES**

The Project Team will perform Right-of-Way Acquisition Phase Services for the Project, The parcels to be acquired and the appropriate rates that are to apply will be based upon the plans developed by the Project Team.

The Right-of-Way Phase Services include the following items:

- Provide R-O-W services to coordinate, plan, direct, and control R-O-W activities necessary to legally acquire and record R-O-W needed for construction. The Project Team shall ensure that all R-O-W acquired complies with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (Public Law 91-646), as amended; and Titles 57 and 28 of the S.C. Code of Laws, as amended; and that all R-O-W acquired complies with all other applicable laws, ordinances, regulations, policies, etc.
- Perform title search, providing complete documentation supporting the title opinions being provided.
- Perform and/or review appraisals utilizing those appraisers from the SCDOT's Approved Appraisers list.
- Negotiate acquisitions, providing a translator when necessary.
- Litigation is not included in the scope of services.
- Closings are not included in the scope of services

**Schedule**

The goal for the Project Team is to deliver the 'Independent' projects within 180 days. All of the Independent projects may have ROW impacts. ROW acquisition can be time consuming and require timely coordination between the design team, ROW team and county representatives. Right-of-Way Acquisition Phase Services traditionally begins upon approval of the ROW Plans and Notice to Proceed (NTP) from Beaufort County. We will work with the county to advance the ROW process as soon as possible. Should the duration of this phase of work exceed the 180 day schedule due to elements beyond the Project Team's control (i.e. unsuccessful negotiations, clearing titles, etc.); the contracted scope, deliverables, and compensation still apply.

***Deliverables:***

- Provide any meeting summaries and correspondence with affected property owners
- Provide title documentation, appraisals and appraisals reviews

- Provide negotiation, settlement and payment documentation
- Provide recorded Titles to Real Estate using exhibits as prescribed by SCDOT
- Provide briefings to COUNTY officials and administrative staff as necessary and/or as requested

#### **TASK 14 – SUBSURFACE UTILITY ENGINEERING (SUE)**

The scope of services for SUE includes designating, locating and mapping of underground and overhead aerial utilities at the following locations:

- Lady's Island Drive for approximately 600 LF (300 LF either side of the proposed new intersection).
- US 21 for approximately 600 LF (300 LF either side of the proposed new intersection).

##### New Lady's Island Middle School Access:

- US 21 for approximately 600 LF (300 LF either side of the proposed new intersection).

##### Sunset Boulevard / Miller Drive West:

- US 21 for approximately 600 LF (300 LF either side of proposed intersection with Sunset Blvd)
- SC 802 for approximately 600 LF (300 LF either side of proposed intersection with Miller Drive West)

The project team shall perform work in two phases. The first phase consists of designating services (Quality Levels B, C and D). For the purpose of this Agreement, "designate" shall be defined as indicating, by marking, the presence and approximate horizontal position of the subsurface utilities by the use of geophysical prospecting techniques. The second phase consists of test hole services (Quality Level A). For the purpose of this Agreement, "locate" means to obtain the accurate horizontal and vertical position of the subsurface utilities by excavating a test hole. The project team shall provide these services as an aide in the design of right-of-way and construction plans for the project.

Unless specifically stated otherwise, the project team shall adhere to the ASCE Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data (CVASCE 38-02).

## Designating

In the performing of designating services under this Agreement, the project team shall,

- SUE work will be conducted along areas that may have potential impacts to US21 and SC 802.
- Conduct appropriate records and as-built plans research and investigate site conditions.
- Obtain all necessary permits from city, county, state or any other municipal jurisdictions to allow project team personnel to work within the existing streets, roads and rights-of-way.
- Designate the approximate horizontal position of existing utilities by paint markings in accordance with the APWA Uniform Color Code scheme along the utility and at all bends in the line in order to establish the trend of the line. All utilities shall be designated as well as their corresponding lateral lines up to the point of distribution, existing right-of-way limits, or whichever is specifically requested and scoped for each individual project.
- Survey designated marks, which shall be referenced to project control provided by the surveyor of record.
- Draft survey information using CADD guidelines acceptable to Beaufort County.
- Final review and seal of all appropriate work by a professional engineer and/or land surveyor licensed in South Carolina in responsible charge of the project.

### *Deliverables:*

- Quality Level B
  - MicroStation mapping of designated utilities and appurtenances
  - MicroStation Utility Data Sheet for each designated utility line
  - MicroStation Pole Data Sheet for each pole mapped
- Quality Levels C & D
  - MicroStation mapping of any utilities not found as QL-B based on records and information gathered from utility owners.
  - Provide digital copies of all information gathered through coordination with utility companies and through field investigations.

## TASK 15 – CONSTRUCTION PHASE SERVICES

The project construction services team will support the design development group and the County during construction with the following:

- Attend the Pre-construction meeting
- Prepare any necessary plan revisions
- Review of shop drawing submittals by Contractor
- Respond to Contractor requests for information (RFIs)

- On-site review of utility relocations, as needed

***Assumptions:***

- *Attendance at Pre-construction Meeting.*
- *One site visits per utility relocation*

***Deliverables:***

- *Shop drawing reviews.*
- *Review requested plan revisions.*
- *Review contractor Request for Information documents*

## **TASK 16 – TRAFFIC SIGNAL PLANS**

Signal design will be performed for the project. This will include the project area intersections determined to warrant signalization.

Signal Plans will show signal heads, poles, phasing, conduit, and wiring necessary to implement the signalization improvements. The plans will be coordinated with other utilities and stormwater design.

The plans will incorporate the following steps for the lighting submittals:

- **Conduct Field Review** – A field review will identify the power feed and wiring of the existing utilities to identify potential for new wiring.
- **Prepare Signal Base Plans** – A base plan will be prepared for the area. The base plan will show the existing roadway features and power feed as identified in the field review.
- **Determine Signal Placement** – Poles, mast arms, and signal head locations will be determined for sufficient sight distance.
- **Coordinate with Traffic Analysis** – Phasing and signal head design will reflect traffic analysis and will be revised, as necessary, via coordination.
- **Provide Comment Responses** – Comments from submittals will be reviewed and responded to accordingly. Revisions to plans will be prepared based on comments or other agreed upon design changes.
- **Traffic Signal Plans** – A plan sheet will be prepared for each signal. A legend and general notes will be included. Additional plans may be needed to provide wiring and other details.
- **Pay item quantities and prices** will be developed to prepare an engineer's estimate. Any special provisions necessary to furnish or install traffic signals will be provided.

***Deliverables:***

- *Final traffic signal plans (4 intersections) included in roadway construction plans.*

# **Lady's Island Access Road Project**

## **Fee Proposal**

**Davis & Floyd**  
**(with Team Totals)**

**Lady's Island Access Roads Project**  
**12/4/2020**  
**Summary of Manhours**

<b>Task</b>	<b>Total Manhours</b>
Task 1 Project Management	805
Task 2 Surveys	3111
Task 3 Utility Coordination	710
Task 4 Preliminary Plan/Desgin	331
Task 5 Right of Way Plan/Design	674
Task 6 H&H Design	748
Task 7 Public Involvement and Meetings	344
Task 8 Geotech	414
Task 9 Final Construction Drawings	662
Task 10 Landscape/Lighting	672
Task 11 Construction Bid Phase	453
Task 12 Permitting	1266
Task 13 Right of Way Acquisition	200
Task 14 SUE	80
Task 15 Construction Phase Services	611
Task 16 Traffic Signal Plans	<u>460</u>
<b>Total</b>	<b>11541</b>



## Manhour and Fee Estimate Overview

MFE Version 2.46

### Project Information

Project Name	Lady's Island Access Roads
Project Phase or Segment	
Project Location	Beaufort County
CM Number/Descriptor	
Contract Designation	

### Labor Multipliers

Overhead Rate	193.11%	<i>a</i>
FCCM Rate	0.82%	<i>b</i>
Profit Rate	10.00%	<i>c</i>
Combined Multiplier	3.2324	$(1+a)*(1+c)+b$

### Consultant Information

Firm Name	Davis & Floyd
Certified DBE ?	No
Prepared by	
Effective Date	
Estimate Type	Prime Consultant

### Task Identification

Active	Number	Description
✓	01	PROJECT MANAGEMENT
✓	02	SURVEYS
✓	03	UTILITY COORDINATION
✓	04	PRELIMINARY PLAN DESIGN
✓	05	RIGHT-OF-WAY PLAN DESIGN
✓	06	HYDRAULIC & HYDROLOGIC DESIGN
✓	07	PUBLIC INVOLVEMENT AND MEETINGS
✓	08	GEOTECH. INVEST. / PAVEMENT DESIGN
✓	09	FINAL CONSTRUCTION PLANS
✓	10	LANDSCAPING/LIGHTING PLANS
✓	11	CONSTRUCTION BID PHASE SERVICES
✓	12	PERMITTING
✓	13	RIGHT-OF-WAY ACQUISITION PHASE SERVICES
✓	14	SUBSURFACE UTILITY ENGINEERING (SUE)
✓	15	CONSTRUCTION PHASE SERVICES
✓	16	TRAFFIC SIGNAL PLANS
	17	
	18	
	19	
	20	

### Subconsultant Roster

Subconsultant	Certified DBE ?
Andrews Engineering & Surveying	
Johnson, Mirmiran & Thompson, Inc.	
Michael Baker International, Inc.	
SEPI, Inc.	
S&ME, Inc.	

### Geotechnical Testing Direct Expenses

	Assigned to :
Testing Direct Expenses, Worksheet 1	-
Testing Direct Expenses, Worksheet 2	-
Testing Direct Expenses, Worksheet 3	-

### Project Fee Summary

**Fee Totals Broken Down by Task**

Task	Task Description	Labor	Directs	Subs	Total	
01	PROJECT MANAGEMENT	\$ 75,551.27	\$ 3,026.98	\$ 69,260.45	\$ 147,838.70	6.5%
02	SURVEYS	\$ 32,032.53	\$ -	\$ 235,415.70	\$ 267,448.23	11.7%
03	UTILITY COORDINATION	\$ 61,905.84	\$ -	\$ 31,041.41	\$ 92,947.25	4.1%
04	PRELIMINARY PLAN DESIGN	\$ 41,899.69	\$ -	\$ -	\$ 41,899.69	1.8%
05	RIGHT-OF-WAY PLAN DESIGN	\$ 86,418.16	\$ -	\$ -	\$ 86,418.16	3.8%
06	HYDRAULIC & HYDROLOGIC DESIGN	\$ 94,165.72	\$ -	\$ -	\$ 94,165.72	4.1%
07	PUBLIC INVOLVEMENT AND MEETINGS	\$ 35,601.63	\$ -	\$ 14,659.73	\$ 50,261.36	2.2%
08	GEOTECH. INVEST. / PAVEMENT DESIGN	\$ 7,412.89	\$ -	\$ 74,508.35	\$ 81,921.24	3.6%
09	FINAL CONSTRUCTION PLANS	\$ 88,121.72	\$ -	\$ -	\$ 88,121.72	3.8%
10	LANDSCAPING/LIGHTING PLANS	\$ 34,728.81	\$ -	\$ 57,540.89	\$ 92,269.70	4.0%
11	CONSTRUCTION BID PHASE SERVICES	\$ 37,750.18	\$ -	\$ 30,329.03	\$ 68,079.21	3.0%
12	PERMITTING	\$ 55,948.19	\$ -	\$ 89,505.01	\$ 145,453.20	6.4%
13	RIGHT-OF-WAY ACQUISITION PHASE SERVICES	\$ 42,181.34	\$ -	\$ 790,000.00	\$ 832,181.34	36.4%
14	SUBSURFACE UTILITY ENGINEERING (SUE)	\$ 7,412.89	\$ -	\$ 34,017.58	\$ 41,430.47	1.8%
15	CONSTRUCTION PHASE SERVICES	\$ 60,734.25	\$ 1,029.42	\$ 35,729.32	\$ 97,492.99	4.3%
16	TRAFFIC SIGNAL PLANS	\$ 6,343.80	\$ -	\$ 54,941.74	\$ 61,285.54	2.7%
		\$ -	\$ -	\$ -	\$ -	-
		\$ -	\$ -	\$ -	\$ -	-
		\$ -	\$ -	\$ -	\$ -	-
		\$ -	\$ -	\$ -	\$ -	-
		\$ -	\$ -	\$ -	\$ -	-
<b>Totals</b>		\$ 768,208.91	\$ 4,056.40	\$ 1,516,949.21	\$ 2,289,214.52	

**Davis & Floyd**

Task	Task Description	Direct Labor	Overhead	Profit	FCCM	Labor Total	Directs	Total
01	PROJECT MANAGEMENT	\$ 23,373.05	\$ 45,135.70	\$ 6,850.87	\$ 191.65	\$ 75,551.27	\$ 3,026.98	\$ 78,578.25
02	SURVEYS	\$ 9,909.80	\$ 19,136.81	\$ 2,904.66	\$ 81.26	\$ 32,032.53	\$ -	\$ 32,032.53
03	UTILITY COORDINATION	\$ 19,151.60	\$ 36,983.66	\$ 5,613.53	\$ 157.05	\$ 61,905.84	\$ -	\$ 61,905.84
04	PRELIMINARY PLAN DESIGN	\$ 12,962.37	\$ 25,031.63	\$ 3,799.40	\$ 106.29	\$ 41,899.69	\$ -	\$ 41,899.69
05	RIGHT-OF-WAY PLAN DESIGN	\$ 26,734.90	\$ 51,627.76	\$ 7,836.26	\$ 219.24	\$ 86,418.16	\$ -	\$ 86,418.16
06	HYDRAULIC & HYDROLOGIC DESIGN	\$ 29,131.74	\$ 56,256.30	\$ 8,538.80	\$ 238.88	\$ 94,165.72	\$ -	\$ 94,165.72
07	PUBLIC INVOLVEMENT AND MEETINGS	\$ 11,013.96	\$ 21,269.06	\$ 3,228.30	\$ 90.31	\$ 35,601.63	\$ -	\$ 35,601.63
08	GEOTECH. INVEST. / PAVEMENT DESIGN	\$ 2,293.30	\$ 4,428.59	\$ 672.19	\$ 18.81	\$ 7,412.89	\$ -	\$ 7,412.89
09	FINAL CONSTRUCTION PLANS	\$ 27,261.92	\$ 52,645.50	\$ 7,990.75	\$ 223.55	\$ 88,121.72	\$ -	\$ 88,121.72
10	LANDSCAPING/LIGHTING PLANS	\$ 10,743.94	\$ 20,747.61	\$ 3,149.16	\$ 88.10	\$ 34,728.81	\$ -	\$ 34,728.81
11	CONSTRUCTION BID PHASE SERVICES	\$ 11,678.65	\$ 22,552.64	\$ 3,423.13	\$ 95.76	\$ 37,750.18	\$ -	\$ 37,750.18
12	PERMITTING	\$ 17,308.50	\$ 33,424.45	\$ 5,073.30	\$ 141.94	\$ 55,948.19	\$ -	\$ 55,948.19
13	RIGHT-OF-WAY ACQUISITION PHASE SERVICES	\$ 13,049.50	\$ 25,199.89	\$ 3,824.94	\$ 107.01	\$ 42,181.34	\$ -	\$ 42,181.34
14	SUBSURFACE UTILITY ENGINEERING (SUE)	\$ 2,293.30	\$ 4,428.59	\$ 672.19	\$ 18.81	\$ 7,412.89	\$ -	\$ 7,412.89
15	CONSTRUCTION PHASE SERVICES	\$ 18,789.16	\$ 36,283.74	\$ 5,507.29	\$ 154.06	\$ 60,734.25	\$ 1,029.42	\$ 61,763.67
16	TRAFFIC SIGNAL PLANS	\$ 1,962.56	\$ 3,789.90	\$ 575.25	\$ 16.09	\$ 6,343.80	\$ -	\$ 6,343.80
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>		\$ 237,658.25	\$ 458,941.83	\$ 69,660.02	\$ 1,948.81	\$ 768,208.91	\$ 4,056.40	\$ 772,265.31
		(A)	(B)	(C)	(D)	(E)	(F)	

**Summary of DBE Qualifying Fees**

	Total Fee	Qualifying Portion	Qualifying Fee
Davis & Floyd	\$ 772,265.31	\$ -	\$ -
Andrews Engineering & Surveying	\$ 266,696.61	\$ -	\$ -
Johnson, Mirmiran & Thompson, Inc.	\$ 277,344.23	\$ -	\$ -
Michael Baker International, Inc.	\$ 824,150.62	\$ -	\$ -
SEPI, Inc.	\$ 74,249.40	\$ -	\$ -
S&ME, Inc.	\$ 74,508.35	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
Total DBE Qualifying Fee		\$ -	\$ -
Percentage of Fee Total			

**Fee Summary**

A - Direct Labor	\$ 237,658.25
B - Overhead [A x 1.9311]	\$ 458,941.83
C - Profit [(A+B) x 0.1]	\$ 69,660.02
D - FCCM [A x 0.0082]	\$ 1,948.81
<b>E - Labor Total</b>	<b>\$ 768,208.91</b>
F - Total Non-Salary Direct Expenses	\$ 4,056.40
G - Subconsultant Fees	\$ 1,516,949.21
<b>Fee Total</b>	<b>\$ 2,289,214.52</b>

fee total less profit: \$2,219,554.50

Prepared by: \_\_\_\_\_

**Subconsultant Fee Summary**

**Subconsultant Fees Broken Down by Task**

Task	Andrews Engineering & Surveying	Johnson, Mirmiran & Thompson, Inc.	Michael Baker International, Inc.	SEPI, Inc.	S&ME, Inc.	Total
01	\$ 9,899.98	\$ 33,611.93	\$ -	\$ 25,748.54	\$ -	\$ 69,260.45
02	\$ 200,810.31	\$ 5,472.74	\$ 29,132.65	\$ -	\$ -	\$ 235,415.70
03	\$ 31,041.41	\$ -	\$ -	\$ -	\$ -	\$ 31,041.41
04	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
05	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
06	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
07	\$ 2,023.98	\$ 2,399.94	\$ 5,017.97	\$ 5,217.84	\$ -	\$ 14,659.73
08	\$ -	\$ -	\$ -	\$ -	\$ 74,508.35	\$ 74,508.35
09	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	\$ -	\$ 57,540.89	\$ -	\$ -	\$ -	\$ 57,540.89
11	\$ 5,720.00	\$ 24,609.03	\$ -	\$ -	\$ -	\$ 30,329.03
12	\$ -	\$ 89,505.01	\$ -	\$ -	\$ -	\$ 89,505.01
13	\$ -	\$ -	\$ 790,000.00	\$ -	\$ -	\$ 790,000.00
14	\$ 8,120.48	\$ -	\$ -	\$ 25,897.10	\$ -	\$ 34,017.58
15	\$ 9,080.45	\$ 9,262.95	\$ -	\$ 17,385.92	\$ -	\$ 35,729.32
16	\$ -	\$ 54,941.74	\$ -	\$ -	\$ -	\$ 54,941.74
17	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
19	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>	\$ 266,696.61	\$ 277,344.23	\$ 824,150.62	\$ 74,249.40	\$ 74,508.35	\$ 1,516,949.21

(G)

Fee Breakdown by Firm		
Davis & Floyd	\$	772,265.31 33.7%
Andrews Engineering & Surveying	\$	266,696.61 11.7%
Johnson, Mirmiran & Thompson, Inc.	\$	277,344.23 12.1%
Michael Baker International, Inc.	\$	824,150.62 36.0%
SEPI, Inc.	\$	74,249.40 3.2%
S&ME, Inc.	\$	74,508.35 3.3%
	\$	- -
	\$	- -
	\$	- -
	\$	- -
	\$	- -
<b>Project Totals</b>	\$	<b>2,289,214.52</b>

**Project Manhour Summary**

Staff Classification	Project Manhour Totals by Classification	Percentage of Total Hours	Task															
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
			PROJECT MANAGEMENT	SURVEYS	UTILITY COORDINATION	PRELIMINARY PLAN DESIGN	RIGHT-OF-WAY PLAN DESIGN	HYDRAULIC & HYDROLOGIC DESIGN	PUBLIC INVOLVEMENT AND MEETINGS	GEOTECH. INVEST. / PAVEMENT DESIGN	FINAL CONSTRUCTION PLANS	LANDSCAPING/LIGHTING PLANS	CONSTRUCTION BID PHASE SERVICES	PERMITTING	RIGHT-OF-WAY ACQUISITION PHASE SERVICES	SUBSURFACE UTILITY ENGINEERING (SUE)	CONSTRUCTION PHASE SERVICES	TRAFFIC SIGNAL PLANS
<b>Project Totals by Task</b>	<b>5158</b>		409	200	390	331	674	748	232	40	662	244	245	345	200	40	366	32
Principal	84	1.6%	30						4						50			
Sr. Project Manager	650	12.6%	184	40		5	10	10	28	10	20	56	5	30	150	10	60	32
Project Manager																		
Sr. Transportation Engineer	727	14.1%	122	80		38	56		48	30	118		40	105			90	
Transportation Engineer	1264	24.5%	52	10	260	42	160		32		102		200	210			196	
Jr. Transportation Engineer/EIT	1374	26.6%		60		246	448		60		422	138						
Sr. Structural Engineer																		
Structural Engineer																		
Jr. Structural Engineer/EIT																		
Sr. Hydraulic Engineer	60	1.2%					60											
Hydraulic Engineer	134	2.6%					134											
Jr. Hydraulic Engineer/EIT	544	10.5%					544											
Sr. Geotechnical Engineer																		
Geotechnical Engineer																		
Jr. Geotechnical Engineer/EIT																		
Sr. Traffic Engineer																		
Traffic Engineer																		
Jr. Traffic Engineer/EIT																		
Sr. Utilities Engineer	180	3.5%			130										30	20		
Utilities Engineer																		
Utilities Coordinator																		
Sr. Electrical Engineer																		
Electrical Engineer																		
Jr. Electrical Engineer/EIT																		
Sr. Transportation Planner																		
Transportation Planner																		
Jr. Transportation Planner																		
Transportation Modeler																		
Project Economist																		
Sr. Landscape Architect	19	0.4%										19						
Landscape Architect	91	1.8%						60			31							
Sr. Architect																		
Architect																		
Sr. Land Surveyor	10	0.2%		10														
Land Surveyor																		
Jr. Land Surveyor/LSIT																		
Sr. Environmental Specialist																		
Environmental Specialist																		
Jr. Environmental Specialist																		
Principal Investigator																		
Project Historian																		
Project Architectural Historian																		

**Project Manhour Summary**

Staff Classification	Task															
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
	PROJECT MANAGEMENT	SURVEYS	UTILITY COORDINATION	PRELIMINARY PLAN DESIGN	RIGHT-OF-WAY PLAN DESIGN	HYDRAULIC & HYDROLOGIC DESIGN	PUBLIC INVOLVEMENT AND MEETINGS	GEOTECH. INVEST. / PAVEMENT DESIGN	FINAL CONSTRUCTION PLANS	LANDSCAPING/LIGHTING PLANS	CONSTRUCTION BID PHASE SERVICES	PERMITTING	RIGHT-OF-WAY ACQUISITION PHASE SERVICES	SUBSURFACE UTILITY ENGINEERING (SUE)	CONSTRUCTION PHASE SERVICES	TRAFFIC SIGNAL PLANS
<b>Project Manhour Totals by Classification</b>	<b>Percentage of Total Hours</b>															
<b>Project Totals by Task</b>	<b>5158</b>															
	409	200	390	331	674	748	232	40	662	244	245	345	200	40	366	32
Project Archaeologist																
Project Geologist																
Project Biologist																
Project Wetlands Ecologist																
Project Laboratory Director																
Project Laboratory Technician																
Sr. Engineering Technician																
Engineering Technician																
Jr. Engineering Technician																
Sr. Structural Engineering Technician																
Structural Engineering Technician																
Sr. Permitting Technician																
Permitting Technician																
Sr. Survey Technician																
Survey Technician																
Jr. Survey Technician																
Sr. GIS Technician																
GIS Technician																
Jr. GIS Technician																
Sr. Administrative Assistant																
Administrative Assistant	12	0.2%	12													
Office Manager																
Controller/Accountant	9	0.2%	9													
Survey Crew Chief																
Survey Instrument Man																
Survey Rodman																
SUE Crew Manager																
SUE Technician																
Drill Rig Crew Manager																
Drill Rig Technician																
Sr. Certified Inspector																
Certified Inspector																
Jr. Certified Inspector																
Sr. ROW Specialist																
ROW Abstractor																
ROW Appraiser																
Information Technology Specialist																
Graphics Designer																



**Task 01: PROJECT MANAGEMENT**

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*Manhours*

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Staff Classification	Principal	Project Manager	Sr. Project Manager	Sr. Transportation Engineer	Transportation Engineer	Jr. Transportation Engineer/EIT	Administrative Assistant	Controller/Accountant			Manhour Totals	
Manhour Totals by Classification	30		184	122	52		12	9			<b>409</b>	
Sub-task												
1.A Project Management	12		60	90			12	9			183	44.7%
1.B Develop and Monitor Project Schedule	2		40								42	10.3%
1.C Agency Coordination	12		40								52	12.7%
1.D Progress Meetings			24	12	12						48	11.7%
1.E QA/QC	4		20	20	40						84	20.5%

**Task 01: PROJECT MANAGEMENT**

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**Task Notes**

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General Task Notes

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Sub-task	Manhour Totals	Notes
1.A Project Management	183	Includes County coordination, progress reports and invoicing
1.B Develop and Monitor Project Schedule	42	Assumes 6 month Design Schedule and 12 months for R/W acquisition
1.C Agency Coordination	52	
1.D Progress Meetings	48	Assume 12 monthly meetings, 2hrs each, 2 attendees Assumes 8 meetings with various agencies/stakeholders
1.E QA/QC	84	





**Task 02: SURVEYS**

*Manhours*

Staff Classification	Sr. Project Manager	Sr. Land Surveyor	Sr. Transportation Engineer	Transportation Engineer	Jr. Transportation Engineer/EIT						Manhour Totals
Manhour Totals by Classification	40	10	80	10	60						<b>200</b>
Sub-task											
2.A Mayfair Court	8		16								24 12.0%
2.A.1 Primary Control Survey											
2.A.2 Property Strip Map											
2.A.3 Digital Terrain Model (DTM)											
2.A.4 Process Survey Data and Mapping		2		2	12						16 8.0%
2.A.5 Reference Data Sheets (RDS)											
2.A.6 Wetland Jurisdictional Delineation											
2.A.7 Pipe Inspection											
2.B Meadowbrook Drive	8		16								24 12.0%
2.B.1 Primary Control Survey											
2.B.2 Property Strip Map											
2.B.3 Digital Terrain Model (DTM)											
2.B.4 Process Survey Data and Mapping		2		2	12						16 8.0%
2.B.5 Reference Data Sheets (RDS)											
2.B.6 Wetland Jurisdictional Delineation											
2.B.7 Pipe Inspection											
2.C Hazel Farm Road / Gay Drive	8		16								24 12.0%
2.C.1 Primary Control Survey											
2.C.2 Property Strip Map											
2.C.3 Digital Terrain Model (DTM)											
2.C.4 Process Survey Data and Mapping		2		2	12						16 8.0%
2.C.5 Reference Data Sheets (RDS)											
2.C.6 Wetland Jurisdictional Delineation											
2.C.7 Pipe Inspection											
2.D Lady's Island Middle School Access	8		16								24 12.0%
2.D.1 Primary Control Survey											
2.D.2 Property Strip Map											
2.D.3 Digital Terrain Model (DTM)											
2.D.4 Process Survey Data and Mapping		2		2	12						16 8.0%
2.D.5 Reference Data Sheets (RDS)											
2.D.6 Wetland Jurisdictional Delineation											
2.D.7 Pipe Inspection											
2.E Sunset Boulevard / Miller Drive W.	8		16								24 12.0%
2.E.1 Primary Control Survey											
2.E.2 Property Strip Map											
2.E.3 Digital Terrain Model (DTM)											
2.E.4 Process Survey Data and Mapping		2		2	12						16 8.0%
2.E.5 Reference Data Sheets (RDS)											
2.E.6 Wetland Jurisdictional Delineation											
2.E.7 Pipe Inspection											

**Task 02: SURVEYS**

**Task Notes**

General Task Notes

Sub-task	Manhour Totals	Notes
2.A Mayfair Court	24	Assume 125' corridor along Mayfair Court/William Street = 1,900 lf.
2.A.1 Primary Control Survey		control will be set from NGS monuments, NAD 33 / NAVD 88
2.A.2 Property Strip Map		
2.A.3 Digital Terrain Model (DTM)		drainage outfalls will be surveyed 50 lf beyond top of bank for 100 lf up/downstream
2.A.4 Process Survey Data and Mapping	16	each data point will include Point ID, description, and Elevation
2.A.5 Reference Data Sheets (RDS)		point description, northing, easting, and elevation data will be included
2.A.6 Wetland Jurisdictional Delineation		
2.A.7 Pipe Inspection		
2.B Meadowbrook Drive	24	Assume 125' corridor along Meadowbrook Drive/Lupo Drive= 1,800 lf.
2.B.1 Primary Control Survey		control will be set from NGS monuments, NAD 33 / NAVD 88
2.B.2 Property Strip Map		
2.B.3 Digital Terrain Model (DTM)		drainage outfalls will be surveyed 50 lf beyond top of bank for 100 lf up/downstream
2.B.4 Process Survey Data and Mapping	16	each data point will include Point ID, description, and Elevation
2.B.5 Reference Data Sheets (RDS)		point description, northing, easting, and elevation data will be included
2.B.6 Wetland Jurisdictional Delineation		
2.B.7 Pipe Inspection		
2.C Hazel Farm Road / Gay Drive	24	Assume 125' corridor along Hazel Farm/Gay/Inlet/Ferry/SC802/US21= 5,350 lf.
2.C.1 Primary Control Survey		control will be set from NGS monuments, NAD 33 / NAVD 88
2.C.2 Property Strip Map		
2.C.3 Digital Terrain Model (DTM)		drainage outfalls will be surveyed 50 lf beyond top of bank for 100 lf up/downstream
2.C.4 Process Survey Data and Mapping	16	each data point will include Point ID, description, and Elevation
2.C.5 Reference Data Sheets (RDS)		point description, northing, easting, and elevation data will be included
2.C.6 Wetland Jurisdictional Delineation		
2.C.7 Pipe Inspection		
2.D Lady's Island Middle School Access	24	Assume 125' corridor along Access Road/US21/Cougar Dr= 2,400 lf.
2.D.1 Primary Control Survey		control will be set from NGS monuments, NAD 33 / NAVD 88
2.D.2 Property Strip Map		
2.D.3 Digital Terrain Model (DTM)		drainage outfalls will be surveyed 50 lf beyond top of bank for 100 lf up/downstream
2.D.4 Process Survey Data and Mapping	16	each data point will include Point ID, description, and Elevation
2.D.5 Reference Data Sheets (RDS)		point description, northing, easting, and elevation data will be included
2.D.6 Wetland Jurisdictional Delineation		
2.D.7 Pipe Inspection		
2.E Sunset Boulevard / Miller Drive W.	24	Assume 125' corridor along Sunset/Miller/SC802/US21 = 4,000 lf.
2.E.1 Primary Control Survey		control will be set from NGS monuments, NAD 33 / NAVD 88
2.E.2 Property Strip Map		
2.E.3 Digital Terrain Model (DTM)		drainage outfalls will be surveyed 50 lf beyond top of bank for 100 lf up/downstream
2.E.4 Process Survey Data and Mapping	16	each data point will include Point ID, description, and Elevation
2.E.5 Reference Data Sheets (RDS)		point description, northing, easting, and elevation data will be included
2.E.6 Wetland Jurisdictional Delineation		
2.E.7 Pipe Inspection		



**Task 03: UTILITY COORDINATION**

*Manhours*

Staff Classification	Principal	Project Manager	Utilities Engineer	Sr. Utilities Engineer	Transportation Engineer						Manhour Totals
Manhour Totals by Classification				130	260						<b>390</b>
Sub-task											
3.A Mayfair Court											
3.A.1 Early Utrility Coordination				16							16 4.1%
3.A.2 Preliminary Utility Report (30% Plan Drawings)				4	16						20 5.1%
3.A.3 Final Utility Report (90% Plan Drawings)				4	24						28 7.2%
3.A.4 U-Sheets				2	8						10 2.6%
3.B Meadowbrook Drive											
3.B.1 Early Utrility Coordination				16							16 4.1%
3.B.2 Preliminary Utility Report (30% Plan Drawings)				4	16						20 5.1%
3.B.3 Final Utility Report (90% Plan Drawings)				4	24						28 7.2%
3.B.4 U-Sheets				2	8						10 2.6%
3.C Hazel Farm Road / Gay Drive											
3.C.1 Early Utrility Coordination				16							16 4.1%
3.C.2 Preliminary Utility Report (30% Plan Drawings)				4	16						20 5.1%
3.C.3 Final Utility Report (90% Plan Drawings)				4	24						28 7.2%
3.C.4 U-Sheets				2	16						18 4.6%
3.D Lady's Island Middle School Access											
3.D.1 Early Utrility Coordination				16							16 4.1%
3.D.2 Preliminary Utility Report (30% Plan Drawings)				4	16						20 5.1%
3.D.3 Final Utility Report (90% Plan Drawings)				4	24						28 7.2%
3.D.4 U-Sheets				2	12						14 3.6%
3.E Sunset Boulevard / Miller Drive W.											
3.E.1 Early Utrility Coordination				16							16 4.1%
3.E.2 Preliminary Utility Report (30% Plan Drawings)				4	16						20 5.1%
3.E.3 Final Utility Report (90% Plan Drawings)				4	24						28 7.2%
3.E.4 U-Sheets				2	16						18 4.6%





**Task 04: PRELIMINARY PLAN DESIGN**

*Manhours*

Staff Classification	Principal	Sr. Project Manager	Sr. Transportation Engineer	Transportation Engineer	Jr. Transportation Engineer/EIT							Manhour Totals
Manhour Totals by Classification		5	38	42	246							<b>331</b>
Sub-task												
4.A Mayfair Court												
4.A.1 Project Set-up and Design Criteria		1	4		6							11 3.3%
4.A.2 Alignment and Horizontal Design			1	2	6							9 2.7%
4.A.3 Vertical Design			1	2	6							9 2.7%
4.A.4 Cross Sections			1	2	8							11 3.3%
4.B Meadowbrook Drive Ext.												
4.B.1 Project Set-up and Design Criteria		1	4		6							11 3.3%
4.B.2 Alignment and Horizontal Design			1	2	10							13 3.9%
4.B.3 Vertical Design			1	2	10							13 3.9%
4.B.4 Cross Sections			1	2	12							15 4.5%
4.C Hazel Farm Road / Gay Drive												
4.C.1 Project Set-up and Design Criteria		1	4		6							11 3.3%
4.C.2 Alignment and Horizontal Design			2	4	16							22 6.6%
4.C.3 Vertical Design			2	4	16							22 6.6%
4.C.4 Cross Sections			2	4	24							30 9.1%
4.D Lady's Island Middle School Access												
4.D.1 Project Set-up and Design Criteria		1	4		6							11 3.3%
4.D.2 Alignment and Horizontal Design			1	2	12							15 4.5%
4.D.3 Vertical Design			1	2	12							15 4.5%
4.D.4 Cross Sections			1	2	16							19 5.7%
4.E Sunset Boulevard / Miller Drive W.												
4.E.1 Project Set-up and Design Criteria		1	4		6							11 3.3%
4.E.2 Alignment and Horizontal Design			1	4	20							25 7.6%
4.E.3 Vertical Design			1	4	20							25 7.6%
4.E.4 Cross Sections			1	4	28							33 10.0%



**Task 04: PRELIMINARY PLAN DESIGN**

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**Task Notes**

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General Task Notes

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Sub-task	Manhour Totals	Notes
4.A Mayfair Court		
4.A.1 Project Set-up and Design Criteria	11	1 Sheet
4.A.2 Alignment and Horizontal Design	9	
4.A.3 Vertical Design	9	
4.A.4 Cross Sections	11	2 Sheets
4.B Meadowbrook Drive Ext.		
4.B.1 Project Set-up and Design Criteria	11	1 Sheet
4.B.2 Alignment and Horizontal Design	13	
4.B.3 Vertical Design	13	
4.B.4 Cross Sections	15	5 Sheets
4.C Hazel Farm Road / Gay Drive		
4.C.1 Project Set-up and Design Criteria	11	2 Sheets
4.C.2 Alignment and Horizontal Design	22	
4.C.3 Vertical Design	22	
4.C.4 Cross Sections	30	16 Sheets
4.D Lady's Island Middle School Access		
4.D.1 Project Set-up and Design Criteria	11	1 Sheet
4.D.2 Alignment and Horizontal Design	15	
4.D.3 Vertical Design	15	
4.D.4 Cross Sections	19	8 Sheets
4.E Sunset Boulevard / Miller Drive W.		Includes Roundabout Design
4.E.1 Project Set-up and Design Criteria	11	3 Sheets
4.E.2 Alignment and Horizontal Design	25	
4.E.3 Vertical Design	25	
4.E.4 Cross Sections	33	20 Sheets

**Task 04: PRELIMINARY PLAN DESIGN**

**Fee Determination for Labor**

Staff Classification	Hours	Rate	Direct Labor	Overhead	Profit	FCCM	Labor Total
				193.11%	10.00%	0.82%	
Principal		\$ 77.00	\$ -	\$ -	\$ -	\$ -	\$ -
Sr. Project Manager	5	\$ 61.33	\$ 306.65	\$ 592.17	\$ 89.88	\$ 2.51	\$ 991.21
Sr. Transportation Engineer	38	\$ 56.00	\$ 2,128.00	\$ 4,109.38	\$ 623.74	\$ 17.45	\$ 6,878.57
Transportation Engineer	42	\$ 45.66	\$ 1,917.72	\$ 3,703.31	\$ 562.10	\$ 15.73	\$ 6,198.86
Jr. Transportation Engineer/EIT	246	\$ 35.00	\$ 8,610.00	\$ 16,626.77	\$ 2,523.68	\$ 70.60	\$ 27,831.05
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Task Totals for Labor</b>	<b>331</b>		\$ <b>12,962.37</b>	\$ <b>25,031.63</b>	\$ <b>3,799.40</b>	\$ <b>106.29</b>	\$ <b>41,899.69</b>
			(A)	(B)	(C)	(D)	(E)

**Non-salary Direct Expenses**

Expense Description	Quantity	Units	Unit Cost	Total Cost
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
<b>Task Total for Non-salary Direct Expenses</b>			\$ -	\$ -
				(F)

**Subconsultant Involvement**

DBE	Subconsultant	Total Fee for Task	Manhours
	Andrews Engineering & Surveying	\$ -	
	Johnson, Mirmiran & Thompson, Inc.	\$ -	
	Michael Baker International, Inc.	\$ -	
	SEPI, Inc.	\$ -	
	S&ME, Inc.	\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
<b>Task Totals for Subconsultant Involvement</b>		\$ -	
			(G)

**Fee Summary for Task**

<b>A Direct Labor</b>	\$ 12,962.37
<b>B Overhead [A x 1.9311]</b>	\$ 25,031.63
<b>C Profit [(A+B) x 0.1]</b>	\$ 3,799.40
<b>D FCCM [A x 0.0082]</b>	\$ 106.29
<b>E Labor Total</b>	\$ 41,899.69
<b>F Non-salary Direct Expenses</b>	\$ -
<b>G Subconsultant Fees</b>	\$ -
<b>Task Total</b>	\$ 41,899.69

**\$41,899.69**

**Task 05: RIGHT-OF-WAY PLAN DESIGN**

*Manhours*

Staff Classification	Principal	Sr. Project Manager	Sr. Transportation Engineer	Transportation Engineer	Jr. Transportation Engineer/EIT							Manhour Totals
Manhour Totals by Classification		10	56	160	448							<b>674</b>
Sub-task												
5.A Mayfair Court												
5.A.1 Refine Alignment and Horizontal Design		2	2	6	16							26 3.9%
5.A.2 Refine Vertical Design			2	6	16							24 3.6%
5.A.3 Refine Cross Sections			2	6	16							24 3.6%
5.A.4 Limits of Construction / NPDES			2	6	16							24 3.6%
5.B Meadowbrook Drive Ext.												
5.B.1 Refine Alignment and Horizontal Design		2	2	6	16							26 3.9%
5.B.2 Refine Vertical Design			2	6	16							24 3.6%
5.B.3 Refine Cross Sections			2	6	16							24 3.6%
5.B.4 Limits of Construction / NPDES			2	6	16							24 3.6%
5.C Hazel Farm Road / Gay Drive												
5.C.1 Refine Alignment and Horizontal Design		2	4	10	24							40 5.9%
5.C.2 Refine Vertical Design			4	10	24							38 5.6%
5.C.3 Refine Cross Sections			4	10	24							38 5.6%
5.C.4 Limits of Construction / NPDES			4	10	24							38 5.6%
5.D Lady's Island Middle School Access												
5.D.1 Refine Alignment and Horizontal Design		2	2	6	24							34 5.0%
5.D.2 Refine Vertical Design			2	6	24							32 4.7%
5.D.3 Refine Cross Sections			2	6	24							32 4.7%
5.D.4 Limits of Construction / NPDES			2	6	24							32 4.7%
5.E Sunset Boulevard / Miller Drive W.												
5.E.1 Refine Alignment and Horizontal Design		2	4	12	32							50 7.4%
5.E.2 Refine Vertical Design			4	12	32							48 7.1%
5.E.3 Refine Cross Sections			4	12	32							48 7.1%
5.E.4 Limits of Construction / NPDES			4	12	32							48 7.1%

**Task 05: RIGHT-OF-WAY PLAN DESIGN**

**Task Notes**

General Task Notes

Sub-task	Manhour Totals	Notes
5.A Mayfair Court		
5.A.1 Refine Alignment and Horizontal Design	26	
5.A.2 RefineVertical Design	24	
5.A.3 Refine Cross Sections	24	
5.A.4 Limits of Construction / NPDES	24	
5.B Meadowbrook Drive Ext.		
5.B.1 Refine Alignment and Horizontal Design	26	
5.B.2 RefineVertical Design	24	
5.B.3 Refine Cross Sections	24	
5.B.4 Limits of Construction / NPDES	24	
5.C Hazel Farm Road / Gay Drive		
5.C.1 Refine Alignment and Horizontal Design	40	
5.C.2 RefineVertical Design	38	
5.C.3 Refine Cross Sections	38	
5.C.4 Limits of Construction / NPDES	38	
5.D Lady's Island Middle Scool Access		
5.D.1 Refine Alignment and Horizontal Design	34	
5.D.2 RefineVertical Design	32	
5.D.3 Refine Cross Sections	32	
5.D.4 Limits of Construction / NPDES	32	
5.E Sunset Boulevard / Miller Drive W.		Includes Roundabout Design
5.E.1 Refine Alignment and Horizontal Design	50	
5.E.2 RefineVertical Design	48	
5.E.3 Refine Cross Sections	48	
5.E.4 Limits of Construction / NPDES	48	

**Task 05: RIGHT-OF-WAY PLAN DESIGN**

*Fee Determination for Labor*

Staff Classification	Hours	Rate	Direct Labor	Overhead 193.11%	Profit 10.00%	FCCM 0.82%	Labor Total
Principal		\$ 77.00	\$ -	\$ -	\$ -	\$ -	\$ -
Sr. Project Manager	10	\$ 61.33	\$ 613.30	\$ 1,184.34	\$ 179.76	\$ 5.03	\$ 1,982.43
Sr. Transportation Engineer	56	\$ 56.00	\$ 3,136.00	\$ 6,055.93	\$ 919.19	\$ 25.72	\$ 10,136.84
Transportation Engineer	160	\$ 45.66	\$ 7,305.60	\$ 14,107.84	\$ 2,141.34	\$ 59.91	\$ 23,614.69
Jr. Transportation Engineer/EIT	448	\$ 35.00	\$ 15,680.00	\$ 30,279.65	\$ 4,595.97	\$ 128.58	\$ 50,684.20
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Task Totals for Labor</b>	<b>674</b>	<b>\$ -</b>	<b>\$ 26,734.90</b>	<b>\$ 51,627.76</b>	<b>\$ 7,836.26</b>	<b>\$ 219.24</b>	<b>\$ 86,418.16</b>

(A) (B) (C) (D) (E)

*Non-salary Direct Expenses*

Expense Description	Quantity	Units	Unit Cost	Total Cost
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
<b>Task Total for Non-salary Direct Expenses</b>			\$ -	\$ -

(F)

*Subconsultant Involvement*

DBE	Subconsultant	Total Fee for Task	Manhours
	Andrews Engineering & Surveying	\$ -	
	Johnson, Mirmiran & Thompson, Inc.	\$ -	
	Michael Baker International, Inc.	\$ -	
	SEPI, Inc.	\$ -	
	S&ME, Inc.	\$ -	
		\$ -	
		\$ -	
		\$ -	
<b>Task Totals for Subconsultant Involvement</b>		\$ -	

(G)

**Fee Summary for Task**

<b>A Direct Labor</b>	\$ 26,734.90
<b>B Overhead</b> [A x 1.9311]	\$ 51,627.76
<b>C Profit</b> [(A+B) x 0.1]	\$ 7,836.26
<b>D FCCM</b> [A x 0.0082]	\$ 219.24
<b>E Labor Total</b>	\$ 86,418.16
<b>F Non-salary Direct Expenses</b>	\$ -
<b>G Subconsultant Fees</b>	\$ -
<b>Task Total</b>	\$ 86,418.16

\$86,418.16

Source: Ladys Island Access Roads fee template\_Final-12-3-2020.xlsm • Printed on: 12/4/2020 @ 4:17 PM

**Task 06: HYDRAULIC & HYDROLOGIC DESIGN**

**Manhours**

Staff Classification	Principal	Sr. Project Manager	Sr. Hydraulic Engineer	Hydraulic Engineer	Jr. Hydraulic Engineer/EIT						Manhour Totals
Manhour Totals by Classification		10	60	134	544						<b>748</b>
Sub-task											
6.A Mayfair Court											
6.A.1 Data Collection		2	2	6	16						26 3.5%
6.A.2 Existing Conditions Analysis			4	8	32						44 5.9%
6.A.3 Proposed Conditions Analysis			2	4	16						22 2.9%
6.A.4 Drainage Plan Design			2	4	16						22 2.9%
6.A.5 Final H&H / SWPPP Report / Permitting			2	4	16						22 2.9%
6.B Meadowbrook Drive Ext,											
6.B.1 Data Collection		2	2	6	16						26 3.5%
6.B.2 Existing Conditions Analysis			4	8	32						44 5.9%
6.B.3 Proposed Conditions Analysis			2	4	16						22 2.9%
6.B.4 Drainage Plan Design			2	4	16						22 2.9%
6.B.5 Final H&H / SWPPP Report / Permitting			2	4	16						22 2.9%
6.C Hazel Farm Road / Gay Drive											
6.C.1 Data Collection		2	2	6	16						26 3.5%
6.C.2 Existing Conditions Analysis			4	8	48						60 8.0%
6.C.3 Proposed Conditions Analysis			2	4	24						30 4.0%
6.C.4 Drainage Plan Design			2	6	24						32 4.3%
6.C.5 Final H&H / SWPPP Report / Permitting			2	4	16						22 2.9%
6.D Lady's Island Middle School Access											
6.D.1 Data Collection		2	2	6	16						26 3.5%
6.D.2 Existing Conditions Analysis			4	8	32						44 5.9%
6.D.3 Proposed Conditions Analysis			2	4	16						22 2.9%
6.D.4 Drainage Plan Design			2	4	16						22 2.9%
6.D.5 Final H&H / SWPPP Report / Permitting			2	4	16						22 2.9%
6.E Sunset Boulevard / Miller Drive W.											
6.E.1 Data Collection		2	2	6	16						26 3.5%
6.E.2 Existing Conditions Analysis			4	8	48						60 8.0%
6.E.3 Proposed Conditions Analysis			2	4	24						30 4.0%
6.E.4 Drainage Plan Design			2	6	24						32 4.3%
6.E.5 Final H&H / SWPPP Report / Permitting			2	4	16						22 2.9%

**Task 06: HYDRAULIC & HYDROLOGIC DESIGN**

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**Task Notes**

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General Task Notes

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Sub-task	Manhour Totals	Notes
6.A Mayfair Court		Assumes no add'n ponds, but some crossline capacity measures may be needed
6.A.1 Data Collection	26	
6.A.2 Existing Conditions Analysis	44	
6.A.3 Proposed Conditions Analysis	22	
6.A.4 Drainage Plan Design	22	
6.A.5 Final H&H / SWPPP Report / Permitting	22	Assist JMT with Permitting information
6.B Meadowbrook Drive Ext,		
6.B.1 Data Collection	26	
6.B.2 Existing Conditions Analysis	44	
6.B.3 Proposed Conditions Analysis	22	
6.B.4 Drainage Plan Design	22	
6.B.5 Final H&H / SWPPP Report / Permitting	22	
6.C Hazel Farm Road / Gay Drive		
6.C.1 Data Collection	26	
6.C.2 Existing Conditions Analysis	60	
6.C.3 Proposed Conditions Analysis	30	
6.C.4 Drainage Plan Design	32	
6.C.5 Final H&H / SWPPP Report / Permitting	22	
6.D Lady's Island Middle School Access		
6.D.1 Data Collection	26	
6.D.2 Existing Conditions Analysis	44	
6.D.3 Proposed Conditions Analysis	22	
6.D.4 Drainage Plan Design	22	
6.D.5 Final H&H / SWPPP Report / Permitting	22	
6.E Sunset Boulevard / Miller Drive W.		
6.E.1 Data Collection	26	
6.E.2 Existing Conditions Analysis	60	
6.E.3 Proposed Conditions Analysis	30	
6.E.4 Drainage Plan Design	32	
6.E.5 Final H&H / SWPPP Report / Permitting	22	





**Task 07: PUBLIC INVOLVEMENT AND MEETINGS**

*Manhours*

Staff Classification	Principal	Sr. Project Manager	Sr. Transportation Engineer	Transportation Engineer	Jr. Transportation Engineer/EIT	Landscape Architect					Manhour Totals
Manhour Totals by Classification	4	28	48	32	60	60					<b>232</b>

Sub-task

Sub-task	Principal	Sr. Project Manager	Sr. Transportation Engineer	Transportation Engineer	Jr. Transportation Engineer/EIT	Landscape Architect						
7.A Public Information Meeting #1 (0% Design)												
7.A.1 Attend PIM #1 (Content provided by others)												
7.A.2 Debrief Meeting with County Staff	2	2	2								6	2.6%
Coordination with County to address public comments		8	8	8							24	10.3%
7.B Public Meetings - 2 (70% Design)												
7.B.1 Prepare Meeting Exhibits/Handouts	2	4	16	24	60	60					166	71.6%
7.B.2 Conduct Public Information Meetings		6	6								12	5.2%
7.B.3 Summarize Contents and Review with County Staff		4	8								12	5.2%
7.B.4 Provide Comment Responses		4	8								12	5.2%





**Task 08: GEOTECH. INVEST. / PAVEMENT DESIGN**

*Manhours*

Staff Classification											Manhour Totals			
	Sr. Project Manager	Sr. Transportation Engineer												
Manhour Totals by Classification	10	30											<b>40</b>	
Sub-task														
8.A Mayfair Court	2	6											8	20.0%
8.A.1 Preliminary Subsurface Exploration														
8.A.2 Preliminary Geotechnical Engineering Report														
8.A.3 Final Subsurface Exploration														
8.A.4 Final Geotechnical Engineering Report														
8.B Meadowbrook Drive	2	6											8	20.0%
8.B.1 Preliminary Subsurface Exploration														
8.B.2 Preliminary Geotechnical Engineering Report														
8.B.3 Final Subsurface Exploration														
8.B.4 Final Geotechnical Engineering Report														
8.C Hazel Farm Road / Gay Drive	2	6											8	20.0%
8.C.1 Preliminary Subsurface Exploration														
8.C.2 Preliminary Geotechnical Engineering Report														
8.C.3 Final Subsurface Exploration														
8.C.4 Final Geotechnical Engineering Report														
8.D Lady's Island Middle School Access	2	6											8	20.0%
8.D.1 Preliminary Subsurface Exploration														
8.D.2 Preliminary Geotechnical Engineering Report														
8.D.3 Final Subsurface Exploration														
8.D.4 Final Geotechnical Engineering Report														
8.E Sunset Boulevard / Miller Drive W.	2	6											8	20.0%
8.E.1 Preliminary Subsurface Exploration														
8.E.2 Preliminary Geotechnical Engineering Report														
8.E.3 Final Subsurface Exploration														
8.E.4 Final Geotechnical Engineering Report														

**Task 08: GEOTECH. INVEST. / PAVEMENT DESIGN**

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**Task Notes**

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General Task Notes

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Sub-task	Manhour Totals	Notes
8.A Mayfair Court	8	Geotech Coordination
8.A.1 Preliminary Subsurface Exploration		
8.A.2 Preliminary Geotechnical Engineering Report		
8.A.3 Final Subsurface Exploration		
8.A.4 Final Geotechnical Engineering Report		
8.B Meadowbrook Drive	8	Geotech Coordination
8.B.1 Preliminary Subsurface Exploration		
8.B.2 Preliminary Geotechnical Engineering Report		
8.B.3 Final Subsurface Exploration		
8.B.4 Final Geotechnical Engineering Report		
8.C Hazel Farm Road / Gay Drive	8	Geotech Coordination
8.C.1 Preliminary Subsurface Exploration		
8.C.2 Preliminary Geotechnical Engineering Report		
8.C.3 Final Subsurface Exploration		
8.C.4 Final Geotechnical Engineering Report		
8.D Lady's Island Middle School Access	8	Geotech Coordination
8.D.1 Preliminary Subsurface Exploration		
8.D.2 Preliminary Geotechnical Engineering Report		
8.D.3 Final Subsurface Exploration		
8.D.4 Final Geotechnical Engineering Report		
8.E Sunset Boulevard / Miller Drive W.	8	Geotech Coordination
8.E.1 Preliminary Subsurface Exploration		
8.E.2 Preliminary Geotechnical Engineering Report		
8.E.3 Final Subsurface Exploration		
8.E.4 Final Geotechnical Engineering Report		



**Task 09: FINAL CONSTRUCTION PLANS**

*Manhours*

Staff Classification	Principal	Sr. Project Manager	Sr. Transportation Engineer	Transportation Engineer	Jr. Transportation Engineer/EIT							Manhour Totals
Manhour Totals by Classification		20	118	102	422							<b>662</b>
Sub-task												
9.A Mayfair Court												
9.A.1 Refine Horizontal/Vertical Design			2	4	16							22 3.3%
9.A.2 Refine Cross Sections			2	4	16							22 3.3%
9.A.3 Finalize Construction Plan Sheets			2	2	12							16 2.4%
9.A.4 Develop Quantities and Estimates		2	2	8	20							32 4.8%
9.A.5 QA/QC Design Review and Print Final Plans		2	10		6							18 2.7%
9.B Meadowbrook Drive Ext.												
9.B.1 Refine Horizontal/Vertical Design			2	4	16							22 3.3%
9.B.2 Refine Cross Sections			2	4	16							22 3.3%
9.B.3 Finalize Construction Plan Sheets			2	2	12							16 2.4%
9.B.4 Develop Quantities and Estimates		2	2	8	20							32 4.8%
9.B.5 QA/QC Design Review and Print Final Plans		2	10		6							18 2.7%
9.C Hazel Farm Road / Gay Drive												
9.C.1 Refine Horizontal/Vertical Design			4	6	24							34 5.1%
9.C.2 Refine Cross Sections			4	6	24							34 5.1%
9.C.3 Finalize Construction Plan Sheets			4	4	16							24 3.6%
9.C.4 Develop Quantities and Estimates		2	2	8	20							32 4.8%
9.C.5 QA/QC Design Review and Print Final Plans		2	16		12							30 4.5%
9.D Lady's Island Middle School Access												
9.D.1 Refine Horizontal/Vertical Design			2	4	16							22 3.3%
9.D.2 Refine Cross Sections			2	4	16							22 3.3%
9.D.3 Finalize Construction Plan Sheets			2	2	12							16 2.4%
9.D.4 Develop Quantities and Estimates		2	2	8	20							32 4.8%
9.D.5 QA/QC Design Review and Print Final Plans		2	10		6							18 2.7%
9.E Sunset Boulevard / Miller Drive W.												
9.E.1 Refine Horizontal/Vertical Design			4	6	32							42 6.3%
9.E.2 Refine Cross Sections			4	6	32							42 6.3%
9.E.3 Finalize Construction Plan Sheets			4	4	20							28 4.2%
9.E.4 Develop Quantities and Estimates		2	2	8	20							32 4.8%
9.E.5 QA/QC Design Review and Print Final Plans		2	20		12							34 5.1%

**Task 09: FINAL CONSTRUCTION PLANS**

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**Task Notes**

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General Task Notes

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Sub-task	Manhour Totals	Notes
9.A Mayfair Court		
9.A.1 Refine Horizontal/Vertical Design	22	
9.A.2 Refine Cross Sections	22	
9.A.3 Finalize Construction Plan Sheets	16	
9.A.4 Develop Quantities and Estimates	32	
9.A.5 QA/QC Design Review and Print Final Plans	18	
9.B Meadowbrook Drive Ext.		
9.B.1 Refine Horizontal/Vertical Design	22	
9.B.2 Refine Cross Sections	22	
9.B.3 Finalize Construction Plan Sheets	16	
9.B.4 Develop Quantities and Estimates	32	
9.B.5 QA/QC Design Review and Print Final Plans	18	
9.C Hazel Farm Road / Gay Drive		
9.C.1 Refine Horizontal/Vertical Design	34	
9.C.2 Refine Cross Sections	34	
9.C.3 Finalize Construction Plan Sheets	24	
9.C.4 Develop Quantities and Estimates	32	
9.C.5 QA/QC Design Review and Print Final Plans	30	
9.D Lady's Island Middle Scool Access		
9.D.1 Refine Horizontal/Vertical Design	22	
9.D.2 Refine Cross Sections	22	
9.D.3 Finalize Construction Plan Sheets	16	
9.D.4 Develop Quantities and Estimates	32	
9.D.5 QA/QC Design Review and Print Final Plans	18	
9.E Sunset Boulevard / Miller Drive W.		Includes Roundabout Design
9.E.1 Refine Horizontal/Vertical Design	42	
9.E.2 Refine Cross Sections	42	
9.E.3 Finalize Construction Plan Sheets	28	
9.E.4 Develop Quantities and Estimates	32	
9.E.5 QA/QC Design Review and Print Final Plans	34	





**Task 10: LANDSCAPING/LIGHTING PLANS**

**Manhours**

Staff Classification	Sr. Project Manager	Sr. Landscape Architect	Landscape Architect	Jr. Transportation Engineer/EIT							Manhour Totals
Manhour Totals by Classification	56	19	31	138							244

Sub-task	Sr. Project Manager	Sr. Landscape Architect	Landscape Architect	Jr. Transportation Engineer/EIT								
10.A Mayfair Court	8										8	3.3%
10.A.1 Preliminary Landscaping / Lighting Plans (70% Design)		1	2	4							7	2.9%
10.A.2 Final Landscaping / Lighting Plans		1	2	2							5	2.0%
10.B Meadowbrook Drive	8										8	3.3%
10.B.1 Preliminary Landscaping / Lighting Plans (70% Design)		1	2	8							11	4.5%
10.B.2 Final Landscaping / Lighting Plans		1	2	4							7	2.9%
10.C Hazel Farm Road / Gay Drive	16										16	6.6%
10.C.1 Preliminary Landscaping / Lighting Plans (70% Design)		4	5	18							27	11.1%
10.C.2 Final Landscaping / Lighting Plans		3	4	12							19	7.8%
10.D Lady's Island Middle School Access	16										16	6.6%
10.D.1 Preliminary Landscaping / Lighting Plans (70% Design)		2	3	10							15	6.1%
10.D.2 Final Landscaping / Lighting Plans		1	2	8							11	4.5%
10.E Sunset Boulevard / Miller Drive W.	8										8	3.3%
10.E.1 Preliminary Landscaping / Lighting Plans (70% Design)		3	5	48							56	23.0%
10.E.2 Final Landscaping / Lighting Plans		2	4	24							30	12.3%

**Task 10: LANDSCAPING/LIGHTING PLANS**

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*Task Notes*

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General Task Notes

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Sub-task	Manhour Totals	Notes
10.A Mayfair Court	8	Includes coordination with JMT/Lighting
10.A.1 Preliminary Landscaping / Lighting Plans (70% Design)	7	
10.A.2 Final Landscaping / Lighting Plans	5	
10.B Meadowbrook Drive	8	
10.B.1 Preliminary Landscaping / Lighting Plans (70% Design)	11	
10.B.2 Final Landscaping / Lighting Plans	7	
10.C Hazel Farm Road / Gay Drive	16	
10.C.1 Preliminary Landscaping / Lighting Plans (70% Design)	27	
10.C.2 Final Landscaping / Lighting Plans	19	
10.D Lady's Island Middle School Access	16	
10.D.1 Preliminary Landscaping / Lighting Plans (70% Design)	15	
10.D.2 Final Landscaping / Lighting Plans	11	
10.E Sunset Boulevard / Miller Drive W.	8	
10.E.1 Preliminary Landscaping / Lighting Plans (70% Design)	56	
10.E.2 Final Landscaping / Lighting Plans	30	



**Task 11: CONSTRUCTION BID PHASE SERVICES**

*Manhours*

Staff Classification	Principal	Sr. Project Manager	Sr. Transportation Engineer	Transportation Engineer	Jr. Transportation Engineer/EIT							Manhour Totals	
Manhour Totals by Classification		5	40	200								<b>245</b>	
Sub-task													
11.A Mayfair Court													
11.A.1 Prepare Specifications/Bid Documents			4	24								28	11.4%
11.A.2 Submit draft bid documents for County review				2								2	0.8%
11.A.3 Address and Incorporate Commentts			2	10								12	4.9%
11.A.4 Final Bid Documents		1	2	4								7	2.9%
11.B Meadowbrook Drive													
11.B.1 Prepare Specifications/Bid Documents			4	24								28	11.4%
11.B.2 Submit draft bid documents for County review				2								2	0.8%
11.B.3 Address and Incorporate Commentts			2	10								12	4.9%
11.B.4 Final Bid Documents		1	2	4								7	2.9%
11.C Hazel Farm Road / Gay Drive													
11.C.1 Prepare Specifications/Bid Documents			4	24								28	11.4%
11.C.2 Submit draft bid documents for County review				2								2	0.8%
11.C.3 Address and Incorporate Commentts			2	10								12	4.9%
11.C.4 Final Bid Documents		1	2	4								7	2.9%
11.D Lady's Island Middle School Access													
11.D.1 Prepare Specifications/Bid Documents			4	24								28	11.4%
11.D.2 Submit draft bid documents for County review				2								2	0.8%
11.D.3 Address and Incorporate Commentts			2	10								12	4.9%
11.D.4 Final Bid Documents		1	2	4								7	2.9%
11.E Sunset Boulevard / Miller Drive W.													
11.E.1 Prepare Specifications/Bid Documents			4	24								28	11.4%
11.E.2 Submit draft bid documents for County review				2								2	0.8%
11.E.3 Address and Incorporate Commentts			2	10								12	4.9%
11.E.4 Final Bid Documents		1	2	4								7	2.9%

**Task 11: CONSTRUCTION BID PHASE SERVICES**

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*Task Notes*

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General Task Notes

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Sub-task	Manhour Totals	Notes
11.A Mayfair Court		
11.A.1 Prepare Specifications/Bid Documents	28	
11.A.2 Submit draft bid documents for County review	2	
11.A.3 Address and Incorporate Commentts	12	
11.A.4 Final Bid Documents	7	
11.B Meadowbrook Drive		
11.B.1 Prepare Specifications/Bid Documents	28	
11.B.2 Submit draft bid documents for County review	2	
11.B.3 Address and Incorporate Commentts	12	
11.B.4 Final Bid Documents	7	
11.C Hazel Farm Road / Gay Drive		
11.C.1 Prepare Specifications/Bid Documents	28	
11.C.2 Submit draft bid documents for County review	2	
11.C.3 Address and Incorporate Commentts	12	
11.C.4 Final Bid Documents	7	
11.D Lady's Island Middle School Access		
11.D.1 Prepare Specifications/Bid Documents	28	
11.D.2 Submit draft bid documents for County review	2	
11.D.3 Address and Incorporate Commentts	12	
11.D.4 Final Bid Documents	7	
11.E Sunset Boulevard / Miller Drive W.		
11.E.1 Prepare Specifications/Bid Documents	28	
11.E.2 Submit draft bid documents for County review	2	
11.E.3 Address and Incorporate Commentts	12	
11.E.4 Final Bid Documents	7	



**Task 12: PERMITTING**

*Manhours*

Staff Classification	Principal	Sr. Project Manager	Sr. Transportation Engineer	Transportation Engineer							Manhour Totals
Manhour Totals by Classification		30	105	210							<b>345</b>
Sub-task											
12.A Mayfair Court											
12.A.1 SCDOT Encroachment Permit			4	8							12 3.5%
12.A.2 USACE JD Permit			6	10							16 4.6%
12.A.3 SWPPP/NOI/CZC Permits		5	8	16							29 8.4%
12.A.4 Beaufort MS4 Permit		1	3	8							12 3.5%
12.B Meadowbrook Drive											
12.B.1 SCDOT Encroachment Permit			4	8							12 3.5%
12.B.2 USACE JD Permit			6	10							16 4.6%
12.B.3 SWPPP/NOI/CZC Permits		5	8	16							29 8.4%
12.B.4 Beaufort MS4 Permit		1	3	8							12 3.5%
12.C Hazel Farm Road / Gay Drive											
12.C.1 SCDOT Encroachment Permit			4	8							12 3.5%
12.C.2 USACE JD Permit			6	10							16 4.6%
12.C.3 SWPPP/NOI/CZC Permits		5	8	16							29 8.4%
12.C.4 Beaufort MS4 Permit		1	3	8							12 3.5%
12.D Lady's Island Middle School Access											
12.D.1 SCDOT Encroachment Permit			4	8							12 3.5%
12.D.2 USACE JD Permit			6	10							16 4.6%
12.D.3 SWPPP/NOI/CZC Permits		5	8	16							29 8.4%
12.D.4 Beaufort MS4 Permit		1	3	8							12 3.5%
12.E Sunset Boulevard / Miller Drive W.											
12.E.1 SCDOT Encroachment Permit			4	8							12 3.5%
12.E.2 USACE JD Permit			6	10							16 4.6%
12.E.3 SWPPP/NOI/CZC Permits		5	8	16							29 8.4%
12.E.4 Beaufort MS4 Permit		1	3	8							12 3.5%



**Task 12: PERMITTING**

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**Task Notes**

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General Task Notes

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Sub-task	Manhour Totals	Notes
12.A Mayfair Court		
12.A.1 SCDOT Encroachment Permit	12	JMT Leading Permitting effort
12.A.2 USACE JD Permit	16	
12.A.3 SWPPP/NOI/CZC Permits	29	
12.A.4 Beaufort MS4 Permit	12	
12.B Meadowbrook Drive		
12.B.1 SCDOT Encroachment Permit	12	
12.B.2 USACE JD Permit	16	
12.B.3 SWPPP/NOI/CZC Permits	29	
12.B.4 Beaufort MS4 Permit	12	
12.C Hazel Farm Road / Gay Drive		
12.C.1 SCDOT Encroachment Permit	12	
12.C.2 USACE JD Permit	16	
12.C.3 SWPPP/NOI/CZC Permits	29	
12.C.4 Beaufort MS4 Permit	12	
12.D Lady's Island Middle School Access		
12.D.1 SCDOT Encroachment Permit	12	
12.D.2 USACE JD Permit	16	
12.D.3 SWPPP/NOI/CZC Permits	29	
12.D.4 Beaufort MS4 Permit	12	
12.E Sunset Boulevard / Miller Drive W.		
12.E.1 SCDOT Encroachment Permit	12	
12.E.2 USACE JD Permit	16	
12.E.3 SWPPP/NOI/CZC Permits	29	
12.E.4 Beaufort MS4 Permit	12	

**Task 12: PERMITTING**

***Fee Determination for Labor***

Staff Classification	Hours	Rate	Direct Labor	Overhead	Profit	FCCM	Labor Total
				193.11%	10.00%	0.82%	
Principal		\$ 77.00	\$ -	\$ -	\$ -	\$ -	\$ -
Sr. Project Manager	30	\$ 61.33	\$ 1,839.90	\$ 3,553.03	\$ 539.29	\$ 15.09	\$ 5,947.31
Sr. Transportation Engineer	105	\$ 56.00	\$ 5,880.00	\$ 11,354.87	\$ 1,723.49	\$ 48.22	\$ 19,006.58
Transportation Engineer	210	\$ 45.66	\$ 9,588.60	\$ 18,516.55	\$ 2,810.52	\$ 78.63	\$ 30,994.30
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Task Totals for Labor</b>	<b>345</b>		<b>\$ 17,308.50</b>	<b>\$ 33,424.45</b>	<b>\$ 5,073.30</b>	<b>\$ 141.94</b>	<b>\$ 55,948.19</b>
			(A)	(B)	(C)	(D)	(E)

***Non-salary Direct Expenses***

Expense Description	Quantity	Units	Unit Cost	Total Cost
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
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-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
<b>Task Total for Non-salary Direct Expenses</b>				\$ -
				(F)

***Subconsultant Involvement***

DBE	Subconsultant	Total Fee for Task	Manhours
	Andrews Engineering & Surveying	\$ -	
	Johnson, Mirmiran & Thompson, Inc.	\$ 89,505.01	921
	Michael Baker International, Inc.	\$ -	
	SEPI, Inc.	\$ -	
	S&ME, Inc.	\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
<b>Task Totals for Subconsultant Involvement</b>		<b>\$ 89,505.01</b>	<b>921</b>
		(G)	

**Fee Summary for Task**

<b>A</b>	<b>Direct Labor</b>	<b>\$ 17,308.50</b>
<b>B</b>	<b>Overhead [A x 1.9311]</b>	<b>\$ 33,424.45</b>
<b>C</b>	<b>Profit [(A+B) x 0.1]</b>	<b>\$ 5,073.30</b>
<b>D</b>	<b>FCCM [A x 0.0082]</b>	<b>\$ 141.94</b>
<b>E</b>	<b>Labor Total</b>	<b>\$ 55,948.19</b>
<b>F</b>	<b>Non-salary Direct Expenses</b>	<b>\$ -</b>
<b>G</b>	<b>Subconsultant Fees</b>	<b>\$ 89,505.01</b>
<b>Task Total</b>		<b>\$ 145,453.20</b>

\$145,453.20

**Task 13: RIGHT-OF-WAY ACQUISITION PHASE SERVICES**

*Manhours*

Staff Classification	Principal	Sr. Project Manager									Manhour Totals
Manhour Totals by Classification	50	150									<b>200</b>
Sub-task											
13.A Mayfair Court	10	30									40 20.0%
13.A.1 Perform Title Searches											
13.A.2 Perform and/or review appraisals											
13.A.3 Negotiate acquisitions											
13.B Meadowbrook Drive	10	30									40 20.0%
13.B.1 Perform Title Searches											
13.B.2 Perform and/or review appraisals											
13.B.3 Negotiate acquisitions											
13.C Hazel Farm Road / Gay Drive	10	30									40 20.0%
13.C.1 Perform Title Searches											
13.C.2 Perform and/or review appraisals											
13.C.3 Negotiate acquisitions											
13.D Lady's Island Middle School Access	10	30									40 20.0%
13.D.1 Perform Title Searches											
13.D.2 Perform and/or review appraisals											
13.D.3 Negotiate acquisitions											
13.E Sunset Boulevard / Miller Drive W.	10	30									40 20.0%
13.E.1 Perform Title Searches											
13.E.2 Perform and/or review appraisals											
13.E.3 Negotiate acquisitions											

**Task 13: RIGHT-OF-WAY ACQUISITION PHASE SERVICES**

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*Task Notes*

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General Task Notes

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Sub-task	Manhour Totals	Notes
13.A Mayfair Court	40	assume 1,900 lf of roadway
13.A.1 Perform Title Searches		
13.A.2 Perform and/or review appraisals		
13.A.3 Negotiate acquisitions		
13.B Meadowbrook Drive	40	
13.B.1 Perform Title Searches		assume 1,800 lf of roadway
13.B.2 Perform and/or review appraisals		
13.B.3 Negotiate acquisitions		
13.C Hazel Farm Road / Gay Drive	40	
13.C.1 Perform Title Searches		
13.C.2 Perform and/or review appraisals		assume 5,350 lf of roadway
13.C.3 Negotiate acquisitions		
13.D Lady's Island Middle School Access	40	
13.D.1 Perform Title Searches		
13.D.2 Perform and/or review appraisals		
13.D.3 Negotiate acquisitions		assume 2,400 lf of roadway
13.E Sunset Boulevard / Miller Drive W.	40	
13.E.1 Perform Title Searches		
13.E.2 Perform and/or review appraisals		
13.E.3 Negotiate acquisitions		assume 4,000 lf of roadway



**Task 14: SUBSURFACE UTILITY ENGINEERING (SUE)**

*Manhours*

Staff Classification											Manhour Totals			
	Sr. Project Manager	Sr. Utilities Engineer												
Manhour Totals by Classification	10	30											<b>40</b>	
Sub-task														
14.A Mayfair Court	2	6											8	20.0%
14.A.1 Quality Level A Designating/Locating														
14.A.2 Quality Level B Designating/Locating														
14.A.3 Quality Level C Designating/Locating														
14.A.4 Quality Level D Designating/Locating														
14.B Meadowbrook Drive	2	6											8	20.0%
14.B.1 Quality Level A Designating/Locating														
14.B.2 Quality Level B Designating/Locating														
14.B.3 Quality Level C Designating/Locating														
14.B.4 Quality Level D Designating/Locating														
14.C Hazel Farm Road / Gay Drive	2	6											8	20.0%
14.C.1 Quality Level A Designating/Locating														
14.C.2 Quality Level B Designating/Locating														
14.C.3 Quality Level C Designating/Locating														
14.C.4 Quality Level D Designating/Locating														
14.D Lady's Island Middle School Access	2	6											8	20.0%
14.D.1 Quality Level A Designating/Locating														
14.D.2 Quality Level B Designating/Locating														
14.D.3 Quality Level C Designating/Locating														
14.D.4 Quality Level D Designating/Locating														
14.E Sunset Boulevard / Miller Drive W.	2	6											8	20.0%
14.E.1 Quality Level A Designating/Locating														
14.E.2 Quality Level B Designating/Locating														
14.E.3 Quality Level C Designating/Locating														
14.E.4 Quality Level D Designating/Locating														

**Task 14: SUBSURFACE UTILITY ENGINEERING (SUE)**

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**Task Notes**

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General Task Notes

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Sub-task	Manhour Totals	Notes
14.A Mayfair Court	8	
14.A.1 Quality Level A Designating/Locating		
14.A.2 Quality Level B Designating/Locating		
14.A.3 Quality Level C Designating/Locating		
14.A.4 Quality Level D Designating/Locating		
14.B Meadowbrook Drive	8	
14.B.1 Quality Level A Designating/Locating		
14.B.2 Quality Level B Designating/Locating		
14.B.3 Quality Level C Designating/Locating		
14.B.4 Quality Level D Designating/Locating		
14.C Hazel Farm Road / Gay Drive	8	
14.C.1 Quality Level A Designating/Locating		
14.C.2 Quality Level B Designating/Locating		
14.C.3 Quality Level C Designating/Locating		
14.C.4 Quality Level D Designating/Locating		
14.D Lady's Island Middle School Access	8	
14.D.1 Quality Level A Designating/Locating		
14.D.2 Quality Level B Designating/Locating		
14.D.3 Quality Level C Designating/Locating		
14.D.4 Quality Level D Designating/Locating		
14.E Sunset Boulevard / Miller Drive W.	8	
14.E.1 Quality Level A Designating/Locating		
14.E.2 Quality Level B Designating/Locating		
14.E.3 Quality Level C Designating/Locating		
14.E.4 Quality Level D Designating/Locating		





**Task 15: CONSTRUCTION PHASE SERVICES**

*Manhours*

Staff Classification	Sr. Project Manager	Sr. Transportation Engineer	Transportation Engineer	Sr. Utilities Engineer							Manhour Totals
Manhour Totals by Classification	60	90	196	20							<b>366</b>
Sub-task											
15.A Mayfair Drive											
15.A.1 Attend pre-construction meeting		6									6 1.6%
15.A.2 Review shop drawings	2	4	12								18 4.9%
15.A.3 Respond to contractor's request for information	2	4	12	4							22 6.0%
15.A.4 Attend monthly progress meetings											
15.A.5 Site visits	6										6 1.6%
15.A.6 Prepare plan revisions	2	4	12								18 4.9%
15.B Meadowbrook Road											
15.B.1 Attend pre-construction meeting		6									6 1.6%
15.B.2 Review shop drawings	2	4	12								18 4.9%
15.B.3 Respond to contractor's request for information	2	4	12	4							22 6.0%
15.B.4 Attend monthly progress meetings											
15.B.5 Site visits	6										6 1.6%
15.B.6 Prepare plan revisions	2	4	12								18 4.9%
15.C Hazel Farm Road / Gay Drive											
15.C.1 Attend pre-construction meeting		6									6 1.6%
15.C.2 Review shop drawings	2	4	16								22 6.0%
15.C.3 Respond to contractor's request for information	2	4	16	4							26 7.1%
15.C.4 Attend monthly progress meetings											
15.C.5 Site visits	6										6 1.6%
15.C.6 Prepare plan revisions	2	4	12								18 4.9%
14.D Lady's Island Middle School Access											
15.D.1 Attend pre-construction meeting		6									6 1.6%
15.D.2 Review shop drawings	2	4	12								18 4.9%
15.D.3 Respond to contractor's request for information	2	4	12	4							22 6.0%
15.D.4 Attend monthly progress meetings											
15.D.5 Site visits	6										6 1.6%
15.D.6 Prepare plan revisions	2	4	12								18 4.9%
15.E Sunset Boulevard / Miller Drive W.											
15.E.1 Attend pre-construction meeting		6									6 1.6%
15.E.2 Review shop drawings	2	4	16								22 6.0%
15.E.3 Respond to contractor's request for information	2	4	16	4							26 7.1%
15.E.4 Attend monthly progress meetings											
15.E.5 Site visits	6										6 1.6%
15.E.6 Prepare plan revisions	2	4	12								18 4.9%

**Task 15: CONSTRUCTION PHASE SERVICES**

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**Task Notes**

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General Task Notes

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Sub-task	Manhour Totals	Notes
15.A Mayfair Drive		
15.A.1 Attend pre-construction meeting	6	
15.A.2 Review shop drawings	18	
15.A.3 Respond to contractor's request for information	22	
15.A.4 Attend monthly progress meetings		No attendance necessary
15.A.5 Site visits	6	1 Site visit for utilities
15.A.6 Prepare plan revisions	18	Minimal revisions assumed
15.B Meadowbrook Road		
15.B.1 Attend pre-construction meeting	6	
15.B.2 Review shop drawings	18	
15.B.3 Respond to contractor's request for information	22	
15.B.4 Attend monthly progress meetings		No attendance necessary
15.B.5 Site visits	6	1 Site visit for utilities
15.B.6 Prepare plan revisions	18	Minimal revisions assumed
15.C Hazel Farm Road / Gay Drive		
15.C.1 Attend pre-construction meeting	6	
15.C.2 Review shop drawings	22	
15.C.3 Respond to contractor's request for information	26	
15.C.4 Attend monthly progress meetings		No attendance necessary
15.C.5 Site visits	6	1 Site visit for utilities
15.C.6 Prepare plan revisions	18	Minimal revisions assumed
14.D Lady's Island Middle School Access		
15.D.1 Attend pre-construction meeting	6	
15.D.2 Review shop drawings	18	
15.D.3 Respond to contractor's request for information	22	
15.D.4 Attend monthly progress meetings		No attendance necessary
15.D.5 Site visits	6	1 Site visit for utilities
15.D.6 Prepare plan revisions	18	Minimal revisions assumed
15.E Sunset Boulevard / Miller Drive W.		
15.E.1 Attend pre-construction meeting	6	
15.E.2 Review shop drawings	22	
15.E.3 Respond to contractor's request for information	26	
15.E.4 Attend monthly progress meetings		No attendance necessary
15.E.5 Site visits	6	1 Site visit for utilities
15.E.6 Prepare plan revisions	18	Minimal revisions assumed

**Task 15: CONSTRUCTION PHASE SERVICES**

***Fee Determination for Labor***

Staff Classification	Hours	Rate	Direct Labor	Overhead 193.11%	Profit 10.00%	FCCM 0.82%	Labor Total	
Sr. Project Manager	60	\$ 61.33	\$ 3,679.80	\$ 7,106.06	\$ 1,078.59	\$ 30.17	\$ 11,894.62	
Sr. Transportation Engineer	90	\$ 56.00	\$ 5,040.00	\$ 9,732.74	\$ 1,477.27	\$ 41.33	\$ 16,291.34	
Transportation Engineer	196	\$ 45.66	\$ 8,949.36	\$ 17,282.11	\$ 2,623.15	\$ 73.38	\$ 28,928.00	
Sr. Utilities Engineer	20	\$ 56.00	\$ 1,120.00	\$ 2,162.83	\$ 328.28	\$ 9.18	\$ 3,620.29	
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>Task Totals for Labor</b>			<b>366</b>	<b>\$ 18,789.16</b>	<b>\$ 36,283.74</b>	<b>\$ 5,507.29</b>	<b>\$ 154.06</b>	<b>\$ 60,734.25</b>
			(A)	(B)	(C)	(D)	(E)	

***Non-salary Direct Expenses***

Expense Description	Quantity	Units	Unit Cost	Total Cost
Per Diem, without Overnight Stay	6	days	@ \$ 56.57 per day	\$ 339.42
Mileage	1,200	miles	@ \$ 0.575 per mile	\$ 690.00
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
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-			@ \$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
<b>Task Total for Non-salary Direct Expenses</b>				<b>\$ 1,029.42</b>
				(F)

***Subconsultant Involvement***

DBE	Subconsultant	Total Fee for Task	Manhours
	Andrews Engineering & Surveying	\$ 9,080.45	80
	Johnson, Mirmiran & Thompson, Inc.	\$ 9,262.95	70
	Michael Baker International, Inc.	\$ -	
	SEPI, Inc.	\$ 17,385.92	95
	S&ME, Inc.	\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
<b>Task Totals for Subconsultant Involvement</b>		<b>\$ 35,729.32</b>	<b>245</b>
		(G)	

**Fee Summary for Task**

<b>A</b>	<b>Direct Labor</b>	<b>\$ 18,789.16</b>
<b>B</b>	<b>Overhead [A x 1.9311]</b>	<b>\$ 36,283.74</b>
<b>C</b>	<b>Profit [(A+B) x 0.1]</b>	<b>\$ 5,507.29</b>
<b>D</b>	<b>FCCM [A x 0.0082]</b>	<b>\$ 154.06</b>
<b>E</b>	<b>Labor Total</b>	<b>\$ 60,734.25</b>
<b>F</b>	<b>Non-salary Direct Expenses</b>	<b>\$ 1,029.42</b>
<b>G</b>	<b>Subconsultant Fees</b>	<b>\$ 35,729.32</b>
<b>Task Total</b>		<b>\$ 97,492.99</b>

**\$97,492.99**

**Task 16: TRAFFIC SIGNAL PLANS**

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*Manhours*

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Staff Classification

Principal	Sr. Project Manager	Transportation Engineer							

Manhour Totals

Manhour Totals by Classification

**32**

Sub-task

16.A Hazel Farm Road / Gay Drive	16									16	50.0%
16.A.1 Field Reviews											
16.A.2 Prepare preliminary traffic signal plan											
16.A.3 Respond to and incorporate agency comments											
16.A.4 Prepare final traffic signal plan											
16.A.5 Prepare summary of quantities and cost estimate											
16.B Sunset Boulevard / Miller Drive W.	16									16	50.0%
16.B.1 Field Reviews											
16.B.2 Prepare preliminary traffic signal plan											
16.B.3 Respond to and incorporate agency comments											
16.B.4 Prepare final traffic signal plan											
16.B.5 Prepare summary of quantities and cost estimate											

**Task 16: TRAFFIC SIGNAL PLANS**

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***Task Notes***

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General Task Notes

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Sub-task	Manhour Totals	Notes
16.A Hazel Farm Road / Gay Drive	16	2 signals: SC802/Hazel Farm and US 21/Gay Drive
16.A.1 Field Reviews		Coordination with JMT for signal design
16.A.2 Prepare preliminary traffic signal plan		
16.A.3 Respond to and incorporate agency comments		
16.A.4 Prepare final traffic signal plan		
16.A.5 Prepare summary of quantities and cost estimate		
16.B Sunset Boulevard / Miller Drive W.	16	2 signals: SC802/Miller Dr. and US 21/Sunset Blvd.
16.B.1 Field Reviews		
16.B.2 Prepare preliminary traffic signal plan		
16.B.3 Respond to and incorporate agency comments		
16.B.4 Prepare final traffic signal plan		
16.B.5 Prepare summary of quantities and cost estimate		



# **Lady's Island Access Road Project**

## **Fee Proposal**

**Andrews Engineering & Surveying**

**DAVIS & FLOYD**

SINCE 1954

## Manhour and Fee Estimate Overview

MFE Version 2.46

### Project Information

Project Name	Lady's Island Access Roads
Project Phase or Segment	
Project Location	Beaufort County
CM Number/Descriptor	
Contract Designation	

### Labor Multipliers

Overhead Rate	165.74%	<i>a</i>
FCCM Rate		<i>b</i>
Profit Rate	10.00%	<i>c</i>
Combined Multiplier	2.9231	$(1+a)*(1+c)+b$

### Consultant Information

Firm Name	Andrews Engineering & Surveying
Certified DBE ?	No
Prepared by	
Effective Date	
Estimate Type	Subconsultant

### Task Identification

Active	Number	Description
✓	01	PROJECT MANAGEMENT
✓	02	SURVEYS
✓	03	UTILITY COORDINATION
	04	PRELIMINARY PLAN DESIGN
	05	RIGHT-OF-WAY PLAN DESIGN
	06	HYDRAULIC & HYDROLOGIC DESIGN
✓	07	PUBLIC INVOLVEMENT AND MEETINGS
	08	GEOTECH. INVEST. / PAVEMENT DESIGN
	09	FINAL CONSTRUCTION PLANS
	10	LANDSCAPING/LIGHTING PLANS
✓	11	CONSTRUCTION BID PHASE SERVICES
	12	PERMITTING
	13	RIGHT-OF-WAY ACQUISITION PHASE SERVICES
✓	14	SUBSURFACE UTILITY ENGINEERING (SUE)
✓	15	CONSTRUCTION PHASE SERVICES
	16	TRAFFIC SIGNAL PLANS
	17	
	18	
	19	
	20	

### Subconsultant Roster

Subconsultant	Certified DBE ?
Andrews Engineering & Surveying	

### Geotechnical Testing Direct Expenses

Assigned to :	
Testing Direct Expenses, Worksheet 1	-
Testing Direct Expenses, Worksheet 2	-
Testing Direct Expenses, Worksheet 3	-



**Project Fee Summary**

**Fee Totals Broken Down by Task**

Task	Task Description	Labor	Directs	Subs	Total	
01	PROJECT MANAGEMENT	\$ 9,899.98	\$ -	\$ -	\$ 9,899.98	3.7%
02	SURVEYS	\$ 200,810.31	\$ -	\$ -	\$ 200,810.31	75.3%
03	UTILITY COORDINATION	\$ 31,041.41	\$ -	\$ -	\$ 31,041.41	11.6%
04	PRELIMINARY PLAN DESIGN	\$ -	\$ -	\$ -	\$ -	-
05	RIGHT-OF-WAY PLAN DESIGN	\$ -	\$ -	\$ -	\$ -	-
06	HYDRAULIC & HYDROLOGIC DESIGN	\$ -	\$ -	\$ -	\$ -	-
07	PUBLIC INVOLVEMENT AND MEETINGS	\$ 2,023.98	\$ -	\$ -	\$ 2,023.98	0.8%
08	GEOTECH. INVEST. / PAVEMENT DESIGN	\$ -	\$ -	\$ -	\$ -	-
09	FINAL CONSTRUCTION PLANS	\$ -	\$ -	\$ -	\$ -	-
10	LANDSCAPING/LIGHTING PLANS	\$ -	\$ -	\$ -	\$ -	-
11	CONSTRUCTION BID PHASE SERVICES	\$ 5,720.00	\$ -	\$ -	\$ 5,720.00	2.1%
12	PERMITTING	\$ -	\$ -	\$ -	\$ -	-
13	RIGHT-OF-WAY ACQUISITION PHASE SERVICES	\$ -	\$ -	\$ -	\$ -	-
14	SUBSURFACE UTILITY ENGINEERING (SUE)	\$ 8,120.48	\$ -	\$ -	\$ 8,120.48	3.0%
15	CONSTRUCTION PHASE SERVICES	\$ 9,080.45	\$ -	\$ -	\$ 9,080.45	3.4%
16	TRAFFIC SIGNAL PLANS	\$ -	\$ -	\$ -	\$ -	-
		\$ -	\$ -	\$ -	\$ -	-
		\$ -	\$ -	\$ -	\$ -	-
		\$ -	\$ -	\$ -	\$ -	-
		\$ -	\$ -	\$ -	\$ -	-
<b>Totals</b>		\$ 266,696.61	\$ -	\$ -	\$ 266,696.61	

**Andrews Engineering & Surveying**

Task	Task Description	Direct Labor	Overhead	Profit	FCCM	Labor Total	Directs	Total
01	PROJECT MANAGEMENT	\$ 3,386.76	\$ 5,613.22	\$ 900.00	\$ -	\$ 9,899.98	\$ -	\$ 9,899.98
02	SURVEYS	\$ 68,696.78	\$ 113,858.04	\$ 18,255.49	\$ -	\$ 200,810.31	\$ -	\$ 200,810.31
03	UTILITY COORDINATION	\$ 10,619.20	\$ 17,600.26	\$ 2,821.95	\$ -	\$ 31,041.41	\$ -	\$ 31,041.41
04	PRELIMINARY PLAN DESIGN	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
05	RIGHT-OF-WAY PLAN DESIGN	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
06	HYDRAULIC & HYDROLOGIC DESIGN	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
07	PUBLIC INVOLVEMENT AND MEETINGS	\$ 692.40	\$ 1,147.58	\$ 184.00	\$ -	\$ 2,023.98	\$ -	\$ 2,023.98
08	GEOTECH. INVEST. / PAVEMENT DESIGN	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
09	FINAL CONSTRUCTION PLANS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	LANDSCAPING/LIGHTING PLANS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11	CONSTRUCTION BID PHASE SERVICES	\$ 1,956.80	\$ 3,243.20	\$ 520.00	\$ -	\$ 5,720.00	\$ -	\$ 5,720.00
12	PERMITTING	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	RIGHT-OF-WAY ACQUISITION PHASE SERVICES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14	SUBSURFACE UTILITY ENGINEERING (SUE)	\$ 2,778.00	\$ 4,604.26	\$ 738.22	\$ -	\$ 8,120.48	\$ -	\$ 8,120.48
15	CONSTRUCTION PHASE SERVICES	\$ 3,106.40	\$ 5,148.55	\$ 825.50	\$ -	\$ 9,080.45	\$ -	\$ 9,080.45
16	TRAFFIC SIGNAL PLANS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>		\$ 91,236.34	\$ 151,215.11	\$ 24,245.16	\$ -	\$ 266,696.61	\$ -	\$ 266,696.61
		(A)	(B)	(C)	(D)	(E)	(F)	

**Summary of DBE Qualifying Fees**

	Total Fee	Qualifying Portion	Qualifying Fee
Andrews Engineering & Surveying	\$ 266,696.61	\$ -	\$ -
Andrews Engineering & Surveying	\$ -	\$ -	\$ -
Andrews Engineering & Surveying	\$ -	\$ -	\$ -
Andrews Engineering & Surveying	\$ -	\$ -	\$ -
Andrews Engineering & Surveying	\$ -	\$ -	\$ -
Andrews Engineering & Surveying	\$ -	\$ -	\$ -
Andrews Engineering & Surveying	\$ -	\$ -	\$ -
Andrews Engineering & Surveying	\$ -	\$ -	\$ -
Andrews Engineering & Surveying	\$ -	\$ -	\$ -
Andrews Engineering & Surveying	\$ -	\$ -	\$ -
Andrews Engineering & Surveying	\$ -	\$ -	\$ -
<b>Total DBE Qualifying Fee</b>		\$ -	\$ -
<b>Percentage of Fee Total</b>			

**Fee Summary**

<b>A - Direct Labor</b>	\$ 91,236.34
<b>B - Overhead [A x 1.6574]</b>	\$ 151,215.11
<b>C - Profit [(A+B) x 0.1]</b>	\$ 24,245.16
<b>D - FCCM [A x 0]</b>	\$ -
<b>E - Labor Total</b>	\$ 266,696.61
<b>F - Total Non-Salary Direct Expenses</b>	\$ -
<b>G - Subconsultant Fees</b>	\$ -
<b>Fee Total</b>	\$ 266,696.61

fee total less profit: \$242,451.45

Prepared by: \_\_\_\_\_

**Subconsultant Fee Summary**

**Subconsultant Fees Broken Down by Task**

Task	<i>Andrews Engineering &amp; Surveying</i>															Total				
01	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
02	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
03	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
04	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
05	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
06	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
07	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
08	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
09	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
10	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
11	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
12	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
13	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
14	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
15	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
16	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
17	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
18	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
19	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
20	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Totals	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

(G)

<b>Fee Breakdown by Firm</b>		
Andrews Engineering & Surveying	\$	266,696.61 100.0%
Andrews Engineering & Surveying	\$	- -
	\$	- -
	\$	- -
	\$	- -
	\$	- -
	\$	- -
	\$	- -
	\$	- -
	\$	- -
<b>Project Totals</b>	\$	266,696.61

**Project Manhour Summary**

Staff Classification	Project Manhour Totals by Classification	Percentage of Total Hours	Task																					
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16						
			PROJECT MANAGEMENT	SURVEYS	UTILITY COORDINATION	PRELIMINARY PLAN DESIGN	RIGHT-OF-WAY PLAN DESIGN	HYDRAULIC & HYDROLOGIC DESIGN	PUBLIC INVOLVEMENT AND MEETINGS	GEOTECH. INVEST. / PAVEMENT DESIGN	FINAL CONSTRUCTION PLANS	LANDSCAPING/LIGHTING PLANS	CONSTRUCTION BID PHASE SERVICES	PERMITTING	RIGHT-OF-WAY ACQUISITION PHASE SERVICES	SUBSURFACE UTILITY ENGINEERING (SUE)	CONSTRUCTION PHASE SERVICES	TRAFFIC SIGNAL PLANS						
Project Totals by Task	3301	72	2693	320				16				40			80	80								
Principal	148	4.5%	60					8				40				40								
Sr. Project Manager	220	6.7%	12	160				8							40									
Project Manager																								
Sr. Transportation Engineer																								
Transportation Engineer																								
Jr. Transportation Engineer/EIT																								
Sr. Structural Engineer																								
Structural Engineer																								
Jr. Structural Engineer/EIT																								
Sr. Hydraulic Engineer																								
Hydraulic Engineer																								
Jr. Hydraulic Engineer/EIT																								
Sr. Geotechnical Engineer																								
Geotechnical Engineer																								
Jr. Geotechnical Engineer/EIT																								
Sr. Traffic Engineer																								
Traffic Engineer																								
Jr. Traffic Engineer/EIT																								
Sr. Utilities Engineer																								
Utilities Engineer																								
Utilities Coordinator	220	6.7%	20	160												40								
Sr. Electrical Engineer																								
Electrical Engineer																								
Jr. Electrical Engineer/EIT																								
Sr. Transportation Planner																								
Transportation Planner																								
Jr. Transportation Planner																								
Transportation Modeler																								
Project Economist																								
Sr. Landscape Architect																								
Landscape Architect																								
Sr. Architect																								
Architect																								
Sr. Land Surveyor	306	9.3%		306																				
Land Surveyor	671	20.3%		671																				
Jr. Land Surveyor/LSIT																								
Sr. Environmental Specialist																								
Environmental Specialist																								
Jr. Environmental Specialist																								
Principal Investigator																								
Project Historian																								
Project Architectural Historian																								

**Project Manhour Summary**

Staff Classification	Task															
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
	PROJECT MANAGEMENT	SURVEYS	UTILITY COORDINATION	PRELIMINARY PLAN DESIGN	RIGHT-OF-WAY PLAN DESIGN	HYDRAULIC & HYDROLOGIC DESIGN	PUBLIC INVOLVEMENT AND MEETINGS	GEOTECH. INVEST. / PAVEMENT DESIGN	FINAL CONSTRUCTION PLANS	LANDSCAPING/LIGHTING PLANS	CONSTRUCTION BID PHASE SERVICES	PERMITTING	RIGHT-OF-WAY ACQUISITION PHASE SERVICES	SUBSURFACE UTILITY ENGINEERING (SUE)	CONSTRUCTION PHASE SERVICES	TRAFFIC SIGNAL PLANS
<b>Project Manhour Totals by Classification</b>	<b>Percentage of Total Hours</b>															
<b>Project Totals by Task</b>	<b>3301</b>	72	2693	320				16				40		80	80	
Project Archaeologist																
Project Geologist																
Project Biologist																
Project Wetlands Ecologist																
Project Laboratory Director																
Project Laboratory Technician																
Sr. Engineering Technician																
Engineering Technician																
Jr. Engineering Technician																
Sr. Structural Engineering Technician																
Structural Engineering Technician																
Sr. Permitting Technician																
Permitting Technician																
Sr. Survey Technician																
Survey Technician	40	1.2%											40			
Jr. Survey Technician																
Sr. GIS Technician																
GIS Technician																
Jr. GIS Technician																
Sr. Administrative Assistant																
Administrative Assistant																
Office Manager																
Controller/Accountant																
Survey Crew Chief	848	25.7%	848													
Survey Instrument Man	848	25.7%	848													
Survey Rodman																
SUE Crew Manager																
SUE Technician																
Drill Rig Crew Manager																
Drill Rig Technician																
Sr. Certified Inspector																
Certified Inspector																
Jr. Certified Inspector																
Sr. ROW Specialist																
ROW Abstractor																
ROW Appraiser																
Information Technology Specialist																
Graphics Designer																

**Non-salary Direct Expense Summary**

Expense Description	Total Units	Total Cost	Task															
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
PROJECT MANAGEMENT																		
SURVEYS																		
UTILITY COORDINATION																		
PRELIMINARY PLAN DESIGN																		
RIGHT-OF-WAY PLAN DESIGN																		
HYDRAULIC & HYDROLOGIC DESIGN																		
PUBLIC INVOLVEMENT AND MEETINGS																		
GEOTECH. INVEST. / PAVEMENT DESIGN																		
FINAL CONSTRUCTION PLANS																		
LANDSCAPING/LIGHTING PLANS																		
CONSTRUCTION BID PHASE SERVICES																		
PERMITTING																		
RIGHT-OF-WAY ACQUISITION PHASE SERVICES																		
SUBSURFACE UTILITY ENGINEERING (SUE)																		
CONSTRUCTION PHASE SERVICES																		
TRAFFIC SIGNAL PLANS																		
Per Diem, with Overnight Stay	days	\$ -																
Per Diem, without Overnight Stay	days	\$ -																
Lodging	nights	\$ -																
Mileage	miles	\$ -																
Shipping, Standard	shipments	\$ -																
Shipping, Overnight	shipments	\$ -																
		\$ -																
		\$ -																
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		\$ -																
Preliminary Geotechnical Investigation		\$ -																
Final Geotechnical Investigation		\$ -																
<b>Total Non-salary Direct Expenses</b>		\$ -																

**Task 01: PROJECT MANAGEMENT**

*Manhours*

Staff Classification	Principal	Sr. Project Manager	Project Manager	Utilities Coordinator	Sr. Land Surveyor	Land Surveyor	Survey Technician	Survey Crew Chief	Survey Instrument Man	Survey Rodman	Manhour Totals	
	60	12									72	
Manhour Totals by Classification												
Sub-task												
1.A	Project Management											
1.B	Develop and Monitor Project Schedule											
1.C	Agency Coordination	48									48	66.7%
1.D	Progress Meetings	12	12								24	33.3%
1.E	QA/QC											

Estimate for this task prepared by AEC- Ryan Lyle



**Task 01: PROJECT MANAGEMENT**

***Fee Determination for Labor***

Staff Classification	Hours	Rate	Direct Labor	Overhead	Profit	FCCM	Labor Total
				165.74%	10.00%		
Principal	60	\$ 48.92	\$ 2,935.20	\$ 4,864.80	\$ 780.00	\$ -	\$ 8,580.00
Sr. Project Manager	12	\$ 37.63	\$ 451.56	\$ 748.42	\$ 120.00	\$ -	\$ 1,319.98
Project Manager		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Utilities Coordinator		\$ 28.74	\$ -	\$ -	\$ -	\$ -	\$ -
Sr. Land Surveyor		\$ 35.58	\$ -	\$ -	\$ -	\$ -	\$ -
Land Surveyor		\$ 35.58	\$ -	\$ -	\$ -	\$ -	\$ -
Survey Technician		\$ 31.82	\$ -	\$ -	\$ -	\$ -	\$ -
Survey Crew Chief		\$ 20.84	\$ -	\$ -	\$ -	\$ -	\$ -
Survey Instrument Man		\$ 18.50	\$ -	\$ -	\$ -	\$ -	\$ -
Survey Rodman		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Task Totals for Labor</b>	<b>72</b>		<b>\$ 3,386.76</b>	<b>\$ 5,613.22</b>	<b>\$ 900.00</b>	<b>\$ -</b>	<b>\$ 9,899.98</b>
			(A)	(B)	(C)	(D)	(E)

***Non-salary Direct Expenses***

Expense Description	Quantity	Units	Unit Cost	Total Cost
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
<b>Task Total for Non-salary Direct Expenses</b>				\$ - (F)

***Subconsultant Involvement***

DBE	Subconsultant	Total Fee for Task	Manhours
	Andrews Engineering & Surveying	\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
<b>Task Totals for Subconsultant Involvement</b>		\$ - (G)	

**Fee Summary for Task**

A	Direct Labor	\$ 3,386.76
B	Overhead [A x 1.6574]	\$ 5,613.22
C	Profit [(A+B) x 0.1]	\$ 900.00
D	FCCM [A x 0]	\$ -
E	Labor Total	\$ 9,899.98
F	Non-salary Direct Expenses	\$ -
G	Subconsultant Fees	\$ -
<b>Task Total</b>		\$ 9,899.98

\$9,899.98

Estimate for this task prepared by AEC- Ryan Lyle



**Task 02: SURVEYS**

*Manhours*

Staff Classification	Principal	Sr. Project Manager	Project Manager	Utilities Coordinator	Sr. Land Surveyor	Land Surveyor	Survey Technician	Survey Crew Chief	Survey Instrument Man	Survey Rodman	Manhour Totals
Manhour Totals by Classification				20	306	671		848	848		<b>2693</b>
Sub-task											
2.A Mayfair Court											
2.A.1 Primary Control Survey					8			16	16		40 1.5%
2.A.2 Property Strip Map					16	14					30 1.1%
2.A.3 Detailed Design Survey & Digital Terrain Model (DTM)				4	8	30		99	99		240 8.9%
2.A.4 Process Survey Data and Mapping					8	30					38 1.4%
2.A.5 Reference Data Sheets (RDS)					8	30					38 1.4%
2.A.6 Wetland Jurisdictional Delineation											
2.B Meadowbrook Drive				4	44	95		109	109		361 13.4%
2.B.1 Primary Control Survey											
2.B.2 Property Strip Map											
2.B.3 Digital Terrain Model (DTM)											
2.B.4 Process Survey Data and Mapping											
2.B.5 Reference Data Sheets (RDS)											
2.B.6 Wetland Jurisdictional Delineation											
2.C Hazel Farm Road / Gay Drive				4	84	182		284	284		838 31.1%
2.C.1 Primary Control Survey											
2.C.2 Property Strip Map											
2.C.3 Digital Terrain Model (DTM)											
2.C.4 Process Survey Data and Mapping											
2.C.5 Reference Data Sheets (RDS)											
2.C.6 Wetland Jurisdictional Delineation											
2.D Lady's Island Middle School Access				4	40	100		130	130		404 15.0%
2.D.1 Primary Control Survey											
2.D.2 Property Strip Map											
2.D.3 Digital Terrain Model (DTM)											
2.D.4 Process Survey Data and Mapping											
2.D.5 Reference Data Sheets (RDS)											
2.D.6 Wetland Jurisdictional Delineation											
2.E Sunset Boulevard / Miller Drive W.				4	90	190		210	210		704 26.1%
2.E.1 Primary Control Survey											
2.E.2 Property Strip Map											
2.E.3 Digital Terrain Model (DTM)											
2.E.4 Process Survey Data and Mapping											
2.E.5 Reference Data Sheets (RDS)											
2.E.6 Wetland Jurisdictional Delineation											

Estimate for this task prepared by AEC- Ryan Lyle

**Task 02: SURVEYS**

**Task Notes**

General Task Notes

Sub-task	Manhour Totals	Notes
2.A Mayfair Court		Assume 125' corridor along Mayfair Court/William Street = 1,900 lf.
2.A.1 Primary Control Survey	40	control will be set from NGS monuments, NAD 33 / NAVD 88
2.A.2 Property Strip Map	30	
2.A.3 Detailed Design Survey & Digital Terrain Model (DTM)	240	drainage outfalls will be surveyed 50 lf beyond top of bank for 100 lf up/downstream
2.A.4 Process Survey Data and Mapping	38	each data point will include Point ID, description, and Elevation
2.A.5 Reference Data Sheets (RDS)	38	point description, northing, easting, and elevation data will be included
2.A.6 Wetland Jurisdictional Delineation		
2.B Meadowbrook Drive	361	Assume 125' corridor along Meadowbrook Drive/Lupo Drive= 1,800 lf.
2.B.1 Primary Control Survey		control will be set from NGS monuments, NAD 33 / NAVD 88
2.B.2 Property Strip Map		
2.B.3 Digital Terrain Model (DTM)		drainage outfalls will be surveyed 50 lf beyond top of bank for 100 lf up/downstream
2.B.4 Process Survey Data and Mapping		each data point will include Point ID, description, and Elevation
2.B.5 Reference Data Sheets (RDS)		point description, northing, easting, and elevation data will be included
2.B.6 Wetland Jurisdictional Delineation		
2.C Hazel Farm Road / Gay Drive	838	Assume 125' corridor along Hazel Farm/Gay/Inlet/Ferry/SC802/US21= 5,350 lf.
2.C.1 Primary Control Survey		control will be set from NGS monuments, NAD 33 / NAVD 88
2.C.2 Property Strip Map		
2.C.3 Digital Terrain Model (DTM)		drainage outfalls will be surveyed 50 lf beyond top of bank for 100 lf up/downstream
2.C.4 Process Survey Data and Mapping		each data point will include Point ID, description, and Elevation
2.C.5 Reference Data Sheets (RDS)		point description, northing, easting, and elevation data will be included
2.C.6 Wetland Jurisdictional Delineation		
2.D Lady's Island Middle School Access	404	Assume 125' corridor along Access Road/US21/Cougar Dr= 2,400 lf.
2.D.1 Primary Control Survey		control will be set from NGS monuments, NAD 33 / NAVD 88
2.D.2 Property Strip Map		
2.D.3 Digital Terrain Model (DTM)		drainage outfalls will be surveyed 50 lf beyond top of bank for 100 lf up/downstream
2.D.4 Process Survey Data and Mapping		each data point will include Point ID, description, and Elevation
2.D.5 Reference Data Sheets (RDS)		point description, northing, easting, and elevation data will be included
2.D.6 Wetland Jurisdictional Delineation		
2.E Sunset Boulevard / Miller Drive W.	704	Assume 125' corridor along Sunset/Miller/SC802/US21 = 4,000 lf.
2.E.1 Primary Control Survey		control will be set from NGS monuments, NAD 33 / NAVD 88
2.E.2 Property Strip Map		
2.E.3 Digital Terrain Model (DTM)		drainage outfalls will be surveyed 50 lf beyond top of bank for 100 lf up/downstream
2.E.4 Process Survey Data and Mapping		each data point will include Point ID, description, and Elevation
2.E.5 Reference Data Sheets (RDS)		point description, northing, easting, and elevation data will be included
2.E.6 Wetland Jurisdictional Delineation		

Estimate for this task prepared by AEC- Ryan Lyle



**Task 03: UTILITY COORDINATION**

*Manhours*

Staff Classification	Principal	Sr. Project Manager	Project Manager	Utilities Coordinator	Sr. Land Surveyor	Land Surveyor	Survey Technician	Survey Crew Chief	Survey Instrument Man	Survey Rodman	Manhour Totals
Manhour Totals by Classification		160		160							<b>320</b>
Sub-task											
3.A Mayfair Court		32		32							64 20.0%
3.A.1 Early Utrility Coordination											
3.A.2 Preliminary Utility Report (30% Plan Drawings)											
3.A.3 Final Utility Report (90% Plan Drawings)											
3.A.4 U-Sheets											
3.B Meadowbrook Drive		32		32							64 20.0%
3.B.1 Early Utrility Coordination											
3.B.2 Preliminary Utility Report (30% Plan Drawings)											
3.B.3 Final Utility Report (90% Plan Drawings)											
3.B.4 U-Sheets											
3.C Hazel Farm Road / Gay Drive		32		32							64 20.0%
3.C.1 Early Utrility Coordination											
3.C.2 Preliminary Utility Report (30% Plan Drawings)											
3.C.3 Final Utility Report (90% Plan Drawings)											
3.C.4 U-Sheets											
3.D Lady's Island Middle School Access		32		32							64 20.0%
3.D.1 Early Utrility Coordination											
3.D.2 Preliminary Utility Report (30% Plan Drawings)											
3.D.3 Final Utility Report (90% Plan Drawings)											
3.D.4 U-Sheets											
3.E Sunset Boulevard / Miller Drive W.		32		32							64 20.0%
3.E.1 Early Utrility Coordination											
3.E.2 Preliminary Utility Report (30% Plan Drawings)											
3.E.3 Final Utility Report (90% Plan Drawings)											
3.E.4 U-Sheets											

Estimate for this task prepared by AEC- Ryan Lyle

**Task 03: UTILITY COORDINATION**

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**Task Notes**

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General Task Notes

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Sub-task	Manhour Totals	Notes
3.A Mayfair Court	64	**these assumptions apply to each road below:
3.A.1 Early Utility Coordination		estimate 64hrs support service to DF for utility coordination reporting
3.A.2 Preliminary Utility Report (30% Plan Drawings)		
3.A.3 Final Utility Report (90% Plan Drawings)		coordination and sketches only
3.A.4 U-Sheets		preparation of utility report and u-sheets by DF
3.B Meadowbrook Drive	64	**these assumptions apply to each road below:
3.B.1 Early Utility Coordination		estimate 64hrs support service to DF for utility coordination reporting
3.B.2 Preliminary Utility Report (30% Plan Drawings)		coordination and sketches only
3.B.3 Final Utility Report (90% Plan Drawings)		preparation of utility report and u-sheets by DF
3.B.4 U-Sheets		
3.C Hazel Farm Road / Gay Drive	64	**these assumptions apply to each road below:
3.C.1 Early Utility Coordination		estimate 64hrs support service to DF for utility coordination reporting
3.C.2 Preliminary Utility Report (30% Plan Drawings)		
3.C.3 Final Utility Report (90% Plan Drawings)		coordination and sketches only
3.C.4 U-Sheets		preparation of utility report and u-sheets by DF
3.D Lady's Island Middle School Access	64	**these assumptions apply to each road below:
3.D.1 Early Utility Coordination		estimate 64hrs support service to DF for utility coordination reporting
3.D.2 Preliminary Utility Report (30% Plan Drawings)		
3.D.3 Final Utility Report (90% Plan Drawings)		coordination and sketches only
3.D.4 U-Sheets		preparation of utility report and u-sheets by DF
3.E Sunset Boulevard / Miller Drive W.	64	**these assumptions apply to each road below:
3.E.1 Early Utility Coordination		estimate 64hrs support service to DF for utility coordination reporting
3.E.2 Preliminary Utility Report (30% Plan Drawings)		
3.E.3 Final Utility Report (90% Plan Drawings)		coordination and sketches only
3.E.4 U-Sheets		preparation of utility report and u-sheets by DF

Estimate for this task prepared by AEC- Ryan Lyle

**Task 03: UTILITY COORDINATION**

***Fee Determination for Labor***

Staff Classification	Hours	Rate	Direct Labor	Overhead	Profit	FCCM	Labor Total
				165.74%	10.00%		
Principal		\$ 48.92	\$ -	\$ -	\$ -	\$ -	\$ -
Sr. Project Manager	160	\$ 37.63	\$ 6,020.80	\$ 9,978.87	\$ 1,599.97	\$ -	\$ 17,599.64
Project Manager		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Utilities Coordinator	160	\$ 28.74	\$ 4,598.40	\$ 7,621.39	\$ 1,221.98	\$ -	\$ 13,441.77
Sr. Land Surveyor		\$ 35.58	\$ -	\$ -	\$ -	\$ -	\$ -
Land Surveyor		\$ 35.58	\$ -	\$ -	\$ -	\$ -	\$ -
Survey Technician		\$ 31.82	\$ -	\$ -	\$ -	\$ -	\$ -
Survey Crew Chief		\$ 20.84	\$ -	\$ -	\$ -	\$ -	\$ -
Survey Instrument Man		\$ 18.50	\$ -	\$ -	\$ -	\$ -	\$ -
Survey Rodman		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Task Totals for Labor</b>	<b>320</b>	<b>\$ -</b>	<b>\$ 10,619.20</b>	<b>\$ 17,600.26</b>	<b>\$ 2,821.95</b>	<b>\$ -</b>	<b>\$ 31,041.41</b>
			(A)	(B)	(C)	(D)	(E)

***Non-salary Direct Expenses***

Expense Description	Quantity	Units	Unit Cost	Total Cost
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
<b>Task Total for Non-salary Direct Expenses</b>			\$ -	\$ -
				(F)

***Subconsultant Involvement***

DBE	Subconsultant	Total Fee for Task	Manhours
	Andrews Engineering & Surveying	\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
<b>Task Totals for Subconsultant Involvement</b>		\$ -	
			(G)

**Fee Summary for Task**

<b>A</b>	<b>Direct Labor</b>	<b>\$ 10,619.20</b>
<b>B</b>	<b>Overhead [A x 1.6574]</b>	<b>\$ 17,600.26</b>
<b>C</b>	<b>Profit [(A+B) x 0.1]</b>	<b>\$ 2,821.95</b>
<b>D</b>	<b>FCCM [A x 0]</b>	<b>\$ -</b>
<b>E</b>	<b>Labor Total</b>	<b>\$ 31,041.41</b>
<b>F</b>	<b>Non-salary Direct Expenses</b>	<b>\$ -</b>
<b>G</b>	<b>Subconsultant Fees</b>	<b>\$ -</b>
	<b>Task Total</b>	<b>\$ 31,041.41</b>

Estimate for this task prepared by AEC- Ryan Lyle

\$31,041.41









**Task 11: CONSTRUCTION BID PHASE SERVICES**

*Manhours*

Staff Classification	Principal	Sr. Project Manager	Project Manager	Utilities Coordinator	Sr. Land Surveyor	Land Surveyor	Survey Technician	Survey Crew Chief	Survey Instrument Man	Survey Rodman	Manhour Totals
Manhour Totals by Classification	40										<b>40</b>
Sub-task											
11.A Mayfair Court											
11.A.1 Prepare Specifications/Bid Documents	8										8 20.0%
11.A.2 Submit draft bid documents for County review											
11.A.3 Address and Incorporate Comments											
11.A.4 Final Bid Documents											
11.B Meadowbrook Drive											
11.B.1 Prepare Specifications/Bid Documents	8										8 20.0%
11.B.2 Submit draft bid documents for County review											
11.B.3 Address and Incorporate Comments											
11.B.4 Final Bid Documents											
11.C Hazel Farm Road / Gay Drive											
11.C.1 Prepare Specifications/Bid Documents	8										8 20.0%
11.C.2 Submit draft bid documents for County review											
11.C.3 Address and Incorporate Comments											
11.C.4 Final Bid Documents											
11.D Lady's Island Middle School Access											
11.D.1 Prepare Specifications/Bid Documents	8										8 20.0%
11.D.2 Submit draft bid documents for County review											
11.D.3 Address and Incorporate Comments											
11.D.4 Final Bid Documents											
11.E Sunset Boulevard / Miller Drive W.											
11.E.1 Prepare Specifications/Bid Documents	8										8 20.0%
11.E.2 Submit draft bid documents for County review											
11.E.3 Address and Incorporate Comments											
11.E.4 Final Bid Documents											

**Task 11: CONSTRUCTION BID PHASE SERVICES**

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***Task Notes***

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General Task Notes

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Sub-task	Manhour Totals	Notes
11.A Mayfair Court		
11.A.1 Prepare Specifications/Bid Documents	8	
11.A.2 Submit draft bid documents for County review		
11.A.3 Address and Incorporate Comments		
11.A.4 Final Bid Documents		
11.B Meadowbrook Drive		
11.B.1 Prepare Specifications/Bid Documents	8	
11.B.2 Submit draft bid documents for County review		
11.B.3 Address and Incorporate Comments		
11.B.4 Final Bid Documents		
11.C Hazel Farm Road / Gay Drive		
11.C.1 Prepare Specifications/Bid Documents	8	
11.C.2 Submit draft bid documents for County review		
11.C.3 Address and Incorporate Comments		
11.C.4 Final Bid Documents		
11.D Lady's Island Middle School Access		
11.D.1 Prepare Specifications/Bid Documents	8	
11.D.2 Submit draft bid documents for County review		
11.D.3 Address and Incorporate Comments		
11.D.4 Final Bid Documents		
11.E Sunset Boulevard / Miller Drive W.		
11.E.1 Prepare Specifications/Bid Documents	8	
11.E.2 Submit draft bid documents for County review		
11.E.3 Address and Incorporate Comments		
11.E.4 Final Bid Documents		



**Task 14: SUBSURFACE UTILITY ENGINEERING (SUE)**

**Manhours**

Staff Classification	Principal	Sr. Project Manager	Project Manager	Utilities Coordinator	Sr. Land Surveyor	Land Surveyor	Survey Technician	Survey Crew Chief	Survey Instrument Man	Survey Rodman	Manhour Totals
Manhour Totals by Classification		40					40				<b>80</b>

Sub-task

14.A Mayfair Court		8					8				16	20.0%
14.A.1 Quality Level A Designating/Locating												
14.A.2 Quality Level B Designating/Locating												
14.A.3 Quality Level C Designating/Locating												
14.A.4 Quality Level D Designating/Locating												
14.B Meadowbrook Drive		8					8				16	20.0%
14.B.1 Quality Level A Designating/Locating												
14.B.2 Quality Level B Designating/Locating												
14.B.3 Quality Level C Designating/Locating												
14.B.4 Quality Level D Designating/Locating												
14.C Hazel Farm Road / Gay Drive		8					8				16	20.0%
14.C.1 Quality Level A Designating/Locating												
14.C.2 Quality Level B Designating/Locating												
14.C.3 Quality Level C Designating/Locating												
14.C.4 Quality Level D Designating/Locating												
14.D Lady's Island Middle School Access		8					8				16	20.0%
14.D.1 Quality Level A Designating/Locating												
14.D.2 Quality Level B Designating/Locating												
14.D.3 Quality Level C Designating/Locating												
14.D.4 Quality Level D Designating/Locating												
14.E Sunset Boulevard / Miller Drive W.		8					8				16	20.0%
14.E.1 Quality Level A Designating/Locating												
14.E.2 Quality Level B Designating/Locating												
14.E.3 Quality Level C Designating/Locating												
14.E.4 Quality Level D Designating/Locating												

**Task 14: SUBSURFACE UTILITY ENGINEERING (SUE)**

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**Task Notes**

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General Task Notes

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Sub-task	Manhour Totals	Notes
14.A Mayfair Court	16	16hr to convert SUE input
14.A.1 Quality Level A Designating/Locating		
14.A.2 Quality Level B Designating/Locating		
14.A.3 Quality Level C Designating/Locating		
14.A.4 Quality Level D Designating/Locating		
14.B Meadowbrook Drive	16	
14.B.1 Quality Level A Designating/Locating		
14.B.2 Quality Level B Designating/Locating		
14.B.3 Quality Level C Designating/Locating		
14.B.4 Quality Level D Designating/Locating		
14.C Hazel Farm Road / Gay Drive	16	
14.C.1 Quality Level A Designating/Locating		
14.C.2 Quality Level B Designating/Locating		
14.C.3 Quality Level C Designating/Locating		
14.C.4 Quality Level D Designating/Locating		
14.D Lady's Island Middle School Access	16	
14.D.1 Quality Level A Designating/Locating		
14.D.2 Quality Level B Designating/Locating		
14.D.3 Quality Level C Designating/Locating		
14.D.4 Quality Level D Designating/Locating		
14.E Sunset Boulevard / Miller Drive W.	16	
14.E.1 Quality Level A Designating/Locating		
14.E.2 Quality Level B Designating/Locating		
14.E.3 Quality Level C Designating/Locating		
14.E.4 Quality Level D Designating/Locating		



**Task 15: CONSTRUCTION PHASE SERVICES**

*Manhours*

Staff Classification	Principal	Sr. Project Manager	Project Manager	Utilities Coordinator	Sr. Land Surveyor	Land Surveyor	Survey Technician	Survey Crew Chief	Survey Instrument Man	Survey Rodman	Manhour Totals
Manhour Totals by Classification	40			40							<b>80</b>
Sub-task											
15.A Mayfair Drive											
15.A.1 Attend pre-construction meeting	4			4							8 10.0%
15.A.2 Review shop drawings											
15.A.3 Respond to contractor's request for information											
15.A.4 Attend monthly progress meetings											
15.A.5 Site visits	4			4							8 10.0%
15.A.6 Prepare plan revisions											
15.B Meadowbrook Road											
15.B.1 Attend pre-construction meeting	4			4							8 10.0%
15.B.2 Review shop drawings											
15.B.3 Respond to contractor's request for information											
15.B.4 Attend monthly progress meetings											
15.B.5 Site visits	4			4							8 10.0%
15.B.6 Prepare plan revisions											
15.C Hazel Farm Road / Gay Drive											
15.C.1 Attend pre-construction meeting	4			4							8 10.0%
15.C.2 Review shop drawings											
15.C.3 Respond to contractor's request for information											
15.C.4 Attend monthly progress meetings											
15.C.5 Site visits	4			4							8 10.0%
15.C.6 Prepare plan revisions											
14.D Lady's Island Middle School Access											
15.D.1 Attend pre-construction meeting	4			4							8 10.0%
15.D.2 Review shop drawings											
15.D.3 Respond to contractor's request for information											
15.D.4 Attend monthly progress meetings											
15.D.5 Site visits	4			4							8 10.0%
15.D.6 Prepare plan revisions											
15.E Sunset Boulevard / Miller Drive W.											
15.E.1 Attend pre-construction meeting	4			4							8 10.0%
15.E.2 Review shop drawings											
15.E.3 Respond to contractor's request for information											
15.E.4 Attend monthly progress meetings											
15.E.5 Site visits	4			4							8 10.0%
15.E.6 Prepare plan revisions											



**Task 15: CONSTRUCTION PHASE SERVICES**

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**Task Notes**

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General Task Notes

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Sub-task	Manhour Totals	Notes
15.A Mayfair Drive		
15.A.1 Attend pre-construction meeting	8	
15.A.2 Review shop drawings		
15.A.3 Respond to contractor's request for information		
15.A.4 Attend monthly progress meetings		
15.A.5 Site visits	8	1 On Site Utility Meeting
15.A.6 Prepare plan revisions		
15.B Meadowbrook Road		
15.B.1 Attend pre-construction meeting	8	
15.B.2 Review shop drawings		
15.B.3 Respond to contractor's request for information		
15.B.4 Attend monthly progress meetings		
15.B.5 Site visits	8	1 On Site Utility Meeting
15.B.6 Prepare plan revisions		
15.C Hazel Farm Road / Gay Drive		
15.C.1 Attend pre-construction meeting	8	
15.C.2 Review shop drawings		
15.C.3 Respond to contractor's request for information		
15.C.4 Attend monthly progress meetings		
15.C.5 Site visits	8	1 On Site Utility Meeting
15.C.6 Prepare plan revisions		
14.D Lady's Island Middle School Access		
15.D.1 Attend pre-construction meeting	8	
15.D.2 Review shop drawings		
15.D.3 Respond to contractor's request for information		
15.D.4 Attend monthly progress meetings		
15.D.5 Site visits	8	1 On Site Utility Meeting
15.D.6 Prepare plan revisions		
15.E Sunset Boulevard / Miller Drive W.		
15.E.1 Attend pre-construction meeting	8	
15.E.2 Review shop drawings		
15.E.3 Respond to contractor's request for information		
15.E.4 Attend monthly progress meetings		
15.E.5 Site visits	8	1 On Site Utility Meeting
15.E.6 Prepare plan revisions		



# **Lady's Island Access Road Project**

## **Fee Proposal**

**JMT**

**DAVIS & FLOYD**

SINCE 1954

## Manhour and Fee Estimate Overview

MFE Version 2.46

**Project Information**

Project Name	Lady's Island Access Roads
Project Phase or Segment	
Project Location	Beaufort County
CM Number/Descriptor	
Contract Designation	

**Labor Multipliers**

Overhead Rate	150.96%	<i>a</i>
FCCM Rate	0.45%	<i>b</i>
Profit Rate	10.00%	<i>c</i>
Combined Multiplier	2.7651	$(1+a)*(1+c)+b$

**Consultant Information**

Firm Name	JMT
Certified DBE ?	No
Prepared by	
Effective Date	
Estimate Type	Subconsultant

**Task Identification**

Active	Number	Description
✓	01	PROJECT MANAGEMENT
✓	02	SURVEYS
	03	UTILITY COORDINATION
	04	PRELIMINARY PLAN DESIGN
	05	RIGHT-OF-WAY PLAN DESIGN
	06	HYDRAULIC & HYDROLOGIC DESIGN
✓	07	PUBLIC INVOLVEMENT AND MEETINGS
	08	GEOTECH. INVEST. / PAVEMENT DESIGN
	09	FINAL CONSTRUCTION PLANS
✓	10	LANDSCAPING/LIGHTING PLANS
✓	11	CONSTRUCTION BID PHASE SERVICES
✓	12	PERMITTING
	13	RIGHT-OF-WAY ACQUISITION PHASE SERVICES
	14	SUBSURFACE UTILITY ENGINEERING (SUE)
✓	15	CONSTRUCTION PHASE SERVICES
✓	16	TRAFFIC SIGNAL PLANS
	17	
	18	
	19	
	20	

**Subconsultant Roster**

Subconsultant	Certified DBE ?
Johnson, Mirmiran & Thompson, Inc.	

**Geotechnical Testing Direct Expenses**

Assigned to :	
Testing Direct Expenses, Worksheet 1	-
Testing Direct Expenses, Worksheet 2	-
Testing Direct Expenses, Worksheet 3	-



**Subconsultant Fee Summary**

**Subconsultant Fees Broken Down by Task**

Task	<i>Johnson, Mirmiran &amp; Thompson, Inc.</i>															Total		
01	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
02	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
03	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
04	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
05	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
06	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
07	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
08	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
09	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
10	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
11	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
12	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
13	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
14	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
15	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
16	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
17	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
18	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
19	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
20	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Totals	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

(G)

<b>Fee Breakdown by Firm</b>		
JMT	\$	277,344.23 100.0%
Johnson, Mirmiran & Thompson, Inc.	\$	- -
	\$	- -
	\$	- -
	\$	- -
	\$	- -
	\$	- -
	\$	- -
	\$	- -
Project Totals	\$	277,344.23

**Project Manhour Summary**

	Project Manhour Totals by Classification	Percentage of Total Hours	Task																					
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16						
			PROJECT MANAGEMENT	SURVEYS	UTILITY COORDINATION	PRELIMINARY PLAN DESIGN	RIGHT-OF-WAY PLAN DESIGN	HYDRAULIC & HYDROLOGIC DESIGN	PUBLIC INVOLVEMENT AND MEETINGS	GEOTECH. INVEST. / PAVEMENT DESIGN	FINAL CONSTRUCTION PLANS	LANDSCAPING/LIGHTING PLANS	CONSTRUCTION BID PHASE SERVICES	PERMITTING	RIGHT-OF-WAY ACQUISITION PHASE SERVICES	SUBSURFACE UTILITY ENGINEERING (SUE)	CONSTRUCTION PHASE SERVICES	TRAFFIC SIGNAL PLANS						
<b>Project Totals by Task</b>	<b>2271</b>		196	48				12			428	168	921			70	428							
Principal	16	0.7%	16																					
Sr. Project Manager	108	4.8%	40							24	20						24							
Project Manager	78	3.4%	48								20					10								
Sr. Transportation Engineer	248	10.9%					8			122	32													86
Transportation Engineer	412	18.1%					4			170	32					40	166							
Jr. Transportation Engineer/EIT	288	12.7%								112	24						152							
Sr. Structural Engineer																								
Structural Engineer																								
Jr. Structural Engineer/EIT																								
Sr. Hydraulic Engineer	129	5.7%										129												
Hydraulic Engineer	264	11.6%										264												
Jr. Hydraulic Engineer/EIT																								
Sr. Geotechnical Engineer																								
Geotechnical Engineer																								
Jr. Geotechnical Engineer/EIT																								
Sr. Traffic Engineer																								
Traffic Engineer																								
Jr. Traffic Engineer/EIT																								
Sr. Utilities Engineer																								
Utilities Engineer																								
Utilities Coordinator																								
Sr. Electrical Engineer																								
Electrical Engineer																								
Jr. Electrical Engineer/EIT																								
Sr. Transportation Planner																								
Transportation Planner																								
Jr. Transportation Planner																								
Transportation Modeler																								
Project Economist																								
Sr. Landscape Architect																								
Landscape Architect																								
Sr. Architect																								
Architect																								
Sr. Land Surveyor																								
Land Surveyor																								
Jr. Land Surveyor/LSIT																								
Sr. Environmental Specialist	268	11.8%	92	8								40	108			20								
Environmental Specialist	460	20.3%	40										420											
Jr. Environmental Specialist																								
Principal Investigator																								
Project Historian																								
Project Architectural Historian																								

**Project Manhour Summary**

		Task															
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
Staff Classification	Project Manhour Totals by Classification	Percentage of Total Hours															
	Project Totals by Task	196	48					12			428	168	921			70	428
		PROJECT MANAGEMENT	SURVEYS	UTILITY COORDINATION	PRELIMINARY PLAN DESIGN	RIGHT-OF-WAY PLAN DESIGN	HYDRAULIC & HYDROLOGIC DESIGN	PUBLIC INVOLVEMENT AND MEETINGS	GEOTECH. INVEST. / PAVEMENT DESIGN	FINAL CONSTRUCTION PLANS	LANDSCAPING/LIGHTING PLANS	CONSTRUCTION BID PHASE SERVICES	PERMITTING	RIGHT-OF-WAY ACQUISITION PHASE SERVICES	SUBSURFACE UTILITY ENGINEERING (SUE)	CONSTRUCTION PHASE SERVICES	TRAFFIC SIGNAL PLANS
Project Archaeologist																	
Project Geologist																	
Project Biologist																	
Project Wetlands Ecologist																	
Project Laboratory Director																	
Project Laboratory Technician																	
Sr. Engineering Technician																	
Engineering Technician																	
Jr. Engineering Technician																	
Sr. Structural Engineering Technician																	
Structural Engineering Technician																	
Sr. Permitting Technician																	
Permitting Technician																	
Sr. Survey Technician																	
Survey Technician																	
Jr. Survey Technician																	
Sr. GIS Technician																	
GIS Technician																	
Jr. GIS Technician																	
Sr. Administrative Assistant																	
Administrative Assistant																	
Office Manager																	
Controller/Accountant																	
Survey Crew Chief																	
Survey Instrument Man																	
Survey Rodman																	
SUE Crew Manager																	
SUE Technician																	
Drill Rig Crew Manager																	
Drill Rig Technician																	
Sr. Certified Inspector																	
Certified Inspector																	
Jr. Certified Inspector																	
Sr. ROW Specialist																	
ROW Abtractor																	
ROW Appraiser																	
Information Technology Specialist																	
Graphics Designer																	



**Non-salary Direct Expense Summary**

Expense Description	Total Units	Total Cost	Task																		
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16			
			PROJECT MANAGEMENT	SURVEYS	UTILITY COORDINATION	PRELIMINARY PLAN DESIGN	RIGHT-OF-WAY PLAN DESIGN	HYDRAULIC & HYDROLOGIC DESIGN	PUBLIC INVOLVEMENT AND MEETINGS	GEOTECH. INVEST. / PAVEMENT DESIGN	FINAL CONSTRUCTION PLANS	LANDSCAPING/LIGHTING PLANS	CONSTRUCTION BID PHASE SERVICES	PERMITTING	RIGHT-OF-WAY ACQUISITION PHASE SERVICES	SUBSURFACE UTILITY ENGINEERING (SUE)	CONSTRUCTION PHASE SERVICES	TRAFFIC SIGNAL PLANS			
Per Diem, with Overnight Stay	days	\$ -																			
Per Diem, without Overnight Stay	3 days	\$ 137.25		X																	
Lodging	nights	\$ -																			
Mileage	3000 miles	\$ 1,725.00	X	X					X												
Shipping, Standard	4 shipments	\$ 1,000.00		X																	
Shipping, Overnight	shipments	\$ -																			
		\$ -																			
		\$ -																			
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		\$ -																			
Preliminary Geotechnical Investigation		\$ -																			
Final Geotechnical Investigation		\$ -																			
<b>Total Non-salary Direct Expenses</b>		<b>\$ 2,862.25</b>																			

**Task 01: PROJECT MANAGEMENT**

*Manhours*

Staff Classification	Principal	Project Manager	Sr. Project Manager	Sr. Transportation Engineer	Transportation Engineer	Jr. Transportation Engineer/EIT	Administrative Assistant	Sr. Environmental Specialist			
Manhour Totals by Classification	16	48	40					92			Manhour Totals
											<b>196</b>
Sub-task											
1.A Project Management	16	24									40 20.4%
1.B Develop and Monitor Project Schedule											
1.C Agency Coordination								80			80 40.8%
1.D Progress Meetings		12						12			24 12.2%
Other Meetings											
1.E QA/QC		12	40								52 26.5%

**Task 01: PROJECT MANAGEMENT**

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*Task Notes*

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General Task Notes

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Sub-task	Manhour Totals	Notes
1.A Project Management	40	
1.B Develop and Monitor Project Schedule		Assumes 6 month Design Schedule and 12 months for R/W acquisition
1.C Agency Coordination	80	
1.D Progress Meetings	24	Assume Monthly Meetings for 12 months - 2 hrs per meeting -1 attendee
Other Meetings		
1.E QA/QC	52	

**Task 01: PROJECT MANAGEMENT**

***Fee Determination for Labor***

Staff Classification	Hours	Rate	Direct Labor	Overhead 150.96%	Profit 10.00%	FCCM 0.45%	Labor Total
Principal	16	\$ 93.00	\$ 1,488.00	\$ 2,246.28	\$ 373.43	\$ 6.70	\$ 4,114.41
Project Manager	48	\$ 65.00	\$ 3,120.00	\$ 4,709.95	\$ 783.00	\$ 14.04	\$ 8,626.99
Sr. Project Manager	40	\$ 80.00	\$ 3,200.00	\$ 4,830.72	\$ 803.07	\$ 14.40	\$ 8,848.19
Sr. Transportation Engineer		\$ 60.00	\$ -	\$ -	\$ -	\$ -	\$ -
Transportation Engineer		\$ 45.00	\$ -	\$ -	\$ -	\$ -	\$ -
Jr. Transportation Engineer/EIT		\$ 35.00	\$ -	\$ -	\$ -	\$ -	\$ -
Administrative Assistant		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sr. Environmental Specialist	92	\$ 45.00	\$ 4,140.00	\$ 6,249.74	\$ 1,038.97	\$ 18.63	\$ 11,447.34
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Task Totals for Labor</b>	<b>196</b>		<b>\$ 11,948.00</b>	<b>\$ 18,036.69</b>	<b>\$ 2,998.47</b>	<b>\$ 53.77</b>	<b>\$ 33,036.93</b>
			(A)	(B)	(C)	(D)	(E)

***Non-salary Direct Expenses***

Expense Description	Quantity	Units	Unit Cost	Total Cost
Mileage	1,000	miles	@ \$ 0.575 per mile	\$ 575.00
-	-	-	@ \$ -	\$ -
-	-	-	@ \$ -	\$ -
-	-	-	@ \$ -	\$ -
-	-	-	@ \$ -	\$ -
-	-	-	@ \$ -	\$ -
-	-	-	@ \$ -	\$ -
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-	-	-	@ \$ -	\$ -
-	-	-	@ \$ -	\$ -
<b>Task Total for Non-salary Direct Expenses</b>				<b>\$ 575.00</b>
				(F)

***Subconsultant Involvement***

DBE	Subconsultant	Total Fee for Task	Manhours
		\$ -	
	Johnson, Mirmiran & Thompson, Inc.	\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
<b>Task Totals for Subconsultant Involvement</b>		<b>\$ -</b>	<b>(G)</b>

**Fee Summary for Task**

<b>A</b>	<b>Direct Labor</b>	<b>\$ 11,948.00</b>
<b>B</b>	<b>Overhead [A x 1.5096]</b>	<b>\$ 18,036.69</b>
<b>C</b>	<b>Profit [(A+B) x 0.1]</b>	<b>\$ 2,998.47</b>
<b>D</b>	<b>FCCM [A x 0.0045]</b>	<b>\$ 53.77</b>
<b>E</b>	<b>Labor Total</b>	<b>\$ 33,036.93</b>
<b>F</b>	<b>Non-salary Direct Expenses</b>	<b>\$ 575.00</b>
<b>G</b>	<b>Subconsultant Fees</b>	<b>\$ -</b>
	<b>Task Total</b>	<b>\$ 33,611.93</b>

\$33,611.93

**Task 02: SURVEYS**

*Manhours*

Staff Classification	Principal	Sr. Project Manager	Land Surveyor	Jr. Land Surveyor/LST	Project Manager	Environmental Specialist	Sr. Environmental Specialist				Manhour Totals
Manhour Totals by Classification						40	8				<b>48</b>

Sub-task

Sub-task	Principal	Sr. Project Manager	Land Surveyor	Jr. Land Surveyor/LST	Project Manager	Environmental Specialist	Sr. Environmental Specialist				Manhour Totals	Percentage
2.A Mayfair Court												
2.A.1 Primary Control Survey												
2.A.2 Property Strip Map												
2.A.3 Digital Terrain Model (DTM)												
2.A.4 Process Survey Data and Mapping												
2.A.5 Reference Data Sheets (RDS)												
2.A.6 Wetland Jurisdictional Delineation						8	1				9	18.8%
2.B Meadowbrook Drive												
2.B.1 Primary Control Survey												
2.B.2 Property Strip Map												
2.B.3 Digital Terrain Model (DTM)												
2.B.4 Process Survey Data and Mapping												
2.B.5 Reference Data Sheets (RDS)												
2.B.6 Wetland Jurisdictional Delineation						8	2				10	20.8%
2.C Hazel Farm Road / Gay Drive												
2.C.1 Primary Control Survey												
2.C.2 Property Strip Map												
2.C.3 Digital Terrain Model (DTM)												
2.C.4 Process Survey Data and Mapping												
2.C.5 Reference Data Sheets (RDS)												
2.C.6 Wetland Jurisdictional Delineation						8	2				10	20.8%
2.D Lady's Island Middle School Access												
2.D.1 Primary Control Survey												
2.D.2 Property Strip Map												
2.D.3 Digital Terrain Model (DTM)												
2.D.4 Process Survey Data and Mapping												
2.D.5 Reference Data Sheets (RDS)												
2.D.6 Wetland Jurisdictional Delineation						8	2				10	20.8%
2.E Sunset Boulevard / Miller Drive W.												
2.E.1 Primary Control Survey												
2.E.2 Property Strip Map												
2.E.3 Digital Terrain Model (DTM)												
2.E.4 Process Survey Data and Mapping												
2.E.5 Reference Data Sheets (RDS)												
2.E.6 Wetland Jurisdictional Delineation						8	1				9	18.8%

**Task 02: SURVEYS**

**Task Notes**

General Task Notes

Sub-task	Manhour Totals	Notes
2.A Mayfair Court		Assume 125' corridor along Mayfair Court/William Street = 1,900 lf.
2.A.1 Primary Control Survey		control will be set from NGS monuments, NAD 33 / NAVD 88
2.A.2 Property Strip Map		
2.A.3 Digital Terrain Model (DTM)		drainage outfalls will be surveyed 50 lf beyond top of bank for 100 lf up/downstream
2.A.4 Process Survey Data and Mapping		each data point will include Point ID, description, and Elevation
2.A.5 Reference Data Sheets (RDS)		point description, northing, easting, and elevation data will be included
2.A.6 Wetland Jurisdictional Delineation	9	
2.B Meadowbrook Drive		Assume 125' corridor along Meadowbrook Drive/Lupo Drive= 1,800 lf.
2.B.1 Primary Control Survey		control will be set from NGS monuments, NAD 33 / NAVD 88
2.B.2 Property Strip Map		
2.B.3 Digital Terrain Model (DTM)		drainage outfalls will be surveyed 50 lf beyond top of bank for 100 lf up/downstream
2.B.4 Process Survey Data and Mapping		each data point will include Point ID, description, and Elevation
2.B.5 Reference Data Sheets (RDS)		point description, northing, easting, and elevation data will be included
2.B.6 Wetland Jurisdictional Delineation	10	
2.C Hazel Farm Road / Gay Drive		Assume 125' corridor along Hazel Farm/Gay/Inlet/Ferry/SC802/US21= 5,350 lf.
2.C.1 Primary Control Survey		control will be set from NGS monuments, NAD 33 / NAVD 88
2.C.2 Property Strip Map		
2.C.3 Digital Terrain Model (DTM)		drainage outfalls will be surveyed 50 lf beyond top of bank for 100 lf up/downstream
2.C.4 Process Survey Data and Mapping		each data point will include Point ID, description, and Elevation
2.C.5 Reference Data Sheets (RDS)		point description, northing, easting, and elevation data will be included
2.C.6 Wetland Jurisdictional Delineation	10	
2.D Lady's Island Middle School Access		Assume 125' corridor along Access Road/US21/Cougar Dr= 2,400 lf.
2.D.1 Primary Control Survey		control will be set from NGS monuments, NAD 33 / NAVD 88
2.D.2 Property Strip Map		
2.D.3 Digital Terrain Model (DTM)		drainage outfalls will be surveyed 50 lf beyond top of bank for 100 lf up/downstream
2.D.4 Process Survey Data and Mapping		each data point will include Point ID, description, and Elevation
2.D.5 Reference Data Sheets (RDS)		point description, northing, easting, and elevation data will be included
2.D.6 Wetland Jurisdictional Delineation	10	
2.E Sunset Boulevard / Miller Drive W.		Assume 125' corridor along Sunset/Miller/SC802/US21 = 4,000 lf.
2.E.1 Primary Control Survey		control will be set from NGS monuments, NAD 33 / NAVD 88
2.E.2 Property Strip Map		
2.E.3 Digital Terrain Model (DTM)		drainage outfalls will be surveyed 50 lf beyond top of bank for 100 lf up/downstream
2.E.4 Process Survey Data and Mapping		each data point will include Point ID, description, and Elevation
2.E.5 Reference Data Sheets (RDS)		point description, northing, easting, and elevation data will be included
2.E.6 Wetland Jurisdictional Delineation	9	



**Task 07: PUBLIC INVOLVEMENT AND MEETINGS**

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*Manhours*

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Staff Classification														
	Principal	Project Manager	Sr. Project Manager	Sr. Environmental Specialist	Environmental Specialist	Sr. Transportation Engineer	Transportation Engineer	Jr. Transportation Engineer/EIT	. ,	.			<u>Manhour Totals</u>	
Manhour Totals by Classification						8	4						<b>12</b>	
Sub-task														
7.A Public Information Meeting #1 (0% Design)														
7.A.1 Attend PIM #1 (Content provided by others)														
7.A.2 Debrief Meeting with County Staff														
Coordination with County to address public comments														
7.B Public Meetings - 2 (70% Design)														
7.B.1 Prepare Meeting Exhibits/Handouts						8	4						12	100.0%
7.B.2 Conduct Public Information Meeting														
7.B.3 Summarize Contents and Review with County Staff														
7.B.4 Provide Comment Responses														





**Task 07: PUBLIC INVOLVEMENT AND MEETINGS**

**Fee Determination for Labor**

Staff Classification	Hours	Rate	Direct Labor	Overhead	Profit	FCCM	Labor Total
				150.96%	10.00%	0.45%	
Principal		\$ 93.00	\$ -	\$ -	\$ -	\$ -	\$ -
Project Manager		\$ 65.00	\$ -	\$ -	\$ -	\$ -	\$ -
Sr. Project Manager		\$ 80.00	\$ -	\$ -	\$ -	\$ -	\$ -
Sr. Environmental Specialist		\$ 45.00	\$ -	\$ -	\$ -	\$ -	\$ -
Environmental Specialist		\$ 25.00	\$ -	\$ -	\$ -	\$ -	\$ -
Sr. Transportation Engineer	8	\$ 60.00	\$ 480.00	\$ 724.61	\$ 120.46	\$ 2.16	\$ 1,327.23
Transportation Engineer	4	\$ 45.00	\$ 180.00	\$ 271.73	\$ 45.17	\$ 0.81	\$ 497.71
Jr. Transportation Engineer/EIT		\$ 35.00	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Task Totals for Labor</b>	<b>12</b>		\$ <b>660.00</b>	\$ <b>996.34</b>	\$ <b>165.63</b>	\$ <b>2.97</b>	\$ <b>1,824.94</b>
			(A)	(B)	(C)	(D)	(E)

**Non-salary Direct Expenses**

Expense Description	Quantity	Units	Unit Cost	Total Cost
Mileage	1,000	miles	@ \$ 0.575 per mile	\$ 575.00
-	-	-	@ \$ -	\$ -
-	-	-	@ \$ -	\$ -
-	-	-	@ \$ -	\$ -
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-	-	-	@ \$ -	\$ -
-	-	-	@ \$ -	\$ -
<b>Task Total for Non-salary Direct Expenses</b>				\$ <b>575.00</b>
				(F)

**Subconsultant Involvement**

DBE	Subconsultant	Total Fee for Task	Manhours
-	-	\$ -	-
-	Johnson, Mirmiran & Thompson, Inc.	\$ -	-
-	-	\$ -	-
-	-	\$ -	-
-	-	\$ -	-
-	-	\$ -	-
-	-	\$ -	-
-	-	\$ -	-
<b>Task Totals for Subconsultant Involvement</b>		\$ -	(G)

**Fee Summary for Task**

<b>A</b>	<b>Direct Labor</b>	\$ <b>660.00</b>
<b>B</b>	<b>Overhead [A x 1.5096]</b>	\$ <b>996.34</b>
<b>C</b>	<b>Profit [(A+B) x 0.1]</b>	\$ <b>165.63</b>
<b>D</b>	<b>FCCM [A x 0.0045]</b>	\$ <b>2.97</b>
<b>E</b>	<b>Labor Total</b>	\$ <b>1,824.94</b>
<b>F</b>	<b>Non-salary Direct Expenses</b>	\$ <b>575.00</b>
<b>G</b>	<b>Subconsultant Fees</b>	\$ -
<b>Task Total</b>		\$ <b>2,399.94</b>

**\$2,399.94**

**Task 10: LANDSCAPING/LIGHTING PLANS**

*Manhours*

Staff Classification

Sr. Project Manager	Sr. Transportation Engineer	Transportation Engineer	Jr. Transportation Engineer/EIT						
24	122	170	112						

Manhour Totals

**428**

Manhour Totals by Classification

Sub-task

Sub-task	Sr. Project Manager	Sr. Transportation Engineer	Transportation Engineer	Jr. Transportation Engineer/EIT						
10.A Mayfair Court										
10.A.1 Preliminary Landscaping / Lighting Plans (70% Design)										
10.A.2 Final Landscaping / Lighting Plans										
10.B Meadowbrook Drive										
10.B.1 Preliminary Landscaping / Lighting Plans (70% Design)										
10.B.2 Final Landscaping / Lighting Plans										
10.C Hazel Farm Road / Gay Drive										
10.C.1 Preliminary Landscaping / Lighting Plans (70% Design)	4	33	60	32				129	30.1%	
10.C.2 Final Landscaping / Lighting Plans	8	28	25	24				85	19.9%	
10.D Lady's Island Middle School Access										
10.D.1 Preliminary Landscaping / Lighting Plans (70% Design)										
10.D.2 Final Landscaping / Lighting Plans										
10.E Sunset Boulevard / Miller Drive W.										
10.E.1 Preliminary Landscaping / Lighting Plans (70% Design)	4	33	60	32				129	30.1%	
10.E.2 Final Landscaping / Lighting Plans	8	28	25	24				85	19.9%	

**Task 10: LANDSCAPING/LIGHTING PLANS**

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***Task Notes***

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General Task Notes

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Sub-task	Manhour Totals	Notes
10.A Mayfair Court		
10.A.1 Preliminary Landscaping / Lighting Plans (70% Design)		
10.A.2 Final Landscaping / Lighting Plans		
10.B Meadowbrook Drive		
10.B.1 Preliminary Landscaping / Lighting Plans (70% Design)		
10.B.2 Final Landscaping / Lighting Plans		
10.C Hazel Farm Road / Gay Drive		
10.C.1 Preliminary Landscaping / Lighting Plans (70% Design)	129	Prepare Lighting Plans
10.C.2 Final Landscaping / Lighting Plans	85	
10.D Lady's Island Middle School Access		
10.D.1 Preliminary Landscaping / Lighting Plans (70% Design)		
10.D.2 Final Landscaping / Lighting Plans		
10.E Sunset Boulevard / Miller Drive W.		
10.E.1 Preliminary Landscaping / Lighting Plans (70% Design)	129	Prepare Lighting Plans
10.E.2 Final Landscaping / Lighting Plans	85	

**Task 10: LANDSCAPING/LIGHTING PLANS**

***Fee Determination for Labor***

Staff Classification	Hours	Rate	Direct Labor	Overhead 150.96%	Profit 10.00%	FCCM 0.45%	Labor Total
Sr. Project Manager	24	\$ 80.00	\$ 1,920.00	\$ 2,898.43	\$ 481.84	\$ 8.64	\$ 5,308.91
Sr. Transportation Engineer	122	\$ 60.00	\$ 7,320.00	\$ 11,050.27	\$ 1,837.03	\$ 32.94	\$ 20,240.24
Transportation Engineer	170	\$ 45.00	\$ 7,650.00	\$ 11,548.44	\$ 1,919.84	\$ 34.43	\$ 21,152.71
Jr. Transportation Engineer/EIT	112	\$ 35.00	\$ 3,920.00	\$ 5,917.63	\$ 983.76	\$ 17.64	\$ 10,839.03
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Task Totals for Labor</b>	<b>428</b>		<b>\$ 20,810.00</b> (A)	<b>\$ 31,414.77</b> (B)	<b>\$ 5,222.47</b> (C)	<b>\$ 93.65</b> (D)	<b>\$ 57,540.89</b> (E)

***Non-salary Direct Expenses***

Expense Description	Quantity	Units	Unit Cost	Total Cost
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
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-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
<b>Task Total for Non-salary Direct Expenses</b>				<b>\$ -</b> (F)

***Subconsultant Involvement***

DBE	Subconsultant	Total Fee for Task	Manhours
		\$ -	
	Johnson, Mirmiran & Thompson, Inc.	\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
<b>Task Totals for Subconsultant Involvement</b>		<b>\$ -</b> (G)	

**Fee Summary for Task**

<b>A</b>	<b>Direct Labor</b>	\$ 20,810.00
<b>B</b>	<b>Overhead [A x 1.5096]</b>	\$ 31,414.77
<b>C</b>	<b>Profit [(A+B) x 0.1]</b>	\$ 5,222.47
<b>D</b>	<b>FCCM [A x 0.0045]</b>	\$ 93.65
<b>E Labor Total</b>		\$ 57,540.89
<b>F</b>	<b>Non-salary Direct Expenses</b>	\$ -
<b>G</b>	<b>Subconsultant Fees</b>	\$ -
<b>Task Total</b>		\$ 57,540.89

\$57,540.89

**Task 11: CONSTRUCTION BID PHASE SERVICES**

*Manhours*

Staff Classification	Sr. Project Manager	Project Manager	Sr. Transportation Engineer	Transportation Engineer	Sr. Environmental Specialist	Jr. Transportation Engineer/EIT					Manhour Totals
Manhour Totals by Classification	20	20	32	32	40	24					<b>168</b>
Sub-task											
11.A Mayfair Court											
11.A.1 Prepare Specifications/Bid Documents	4	4	4		4						16 9.5%
11.A.2 Submit draft bid documents for County review											
11.A.3 Address and Incorporate Comments					4						4 2.4%
11.A.4 Final Bid Documents											
11.B Meadowbrook Drive											
11.B.1 Prepare Specifications/Bid Documents	4	4	4		4						16 9.5%
11.B.2 Submit draft bid documents for County review											
11.B.3 Address and Incorporate Comments					4						4 2.4%
11.B.4 Final Bid Documents											
11.C Hazel Farm Road / Gay Drive											
11.C.1 Prepare Specifications/Bid Documents	4	4	4	8	4	12					36 21.4%
11.C.2 Submit draft bid documents for County review											
11.C.3 Address and Incorporate Comments			4	4	4						12 7.1%
11.C.4 Final Bid Documents			2	4							6 3.6%
11.D Lady's Island Middle School Access											
11.D.1 Prepare Specifications/Bid Documents	4	4	4		4						16 9.5%
11.D.2 Submit draft bid documents for County review											
11.D.3 Address and Incorporate Comments					4						4 2.4%
11.D.4 Final Bid Documents											
11.E Sunset Boulevard / Miller Drive W.											
11.E.1 Prepare Specifications/Bid Documents	4	4	4	8	4	12					36 21.4%
11.E.2 Submit draft bid documents for County review											
11.E.3 Address and Incorporate Comments			4	4	4						12 7.1%
11.E.4 Final Bid Documents			2	4							6 3.6%

**Task 11: CONSTRUCTION BID PHASE SERVICES**

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**Task Notes**

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General Task Notes

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Sub-task	Manhour Totals	Notes
11.A Mayfair Court		
11.A.1 Prepare Specifications/Bid Documents	16	
11.A.2 Submit draft bid documents for County review		
11.A.3 Address and Incorporate Comments	4	
11.A.4 Final Bid Documents		
11.B Meadowbrook Drive		
11.B.1 Prepare Specifications/Bid Documents	16	
11.B.2 Submit draft bid documents for County review		
11.B.3 Address and Incorporate Comments	4	
11.B.4 Final Bid Documents		
11.C Hazel Farm Road / Gay Drive		
11.C.1 Prepare Specifications/Bid Documents	36	
11.C.2 Submit draft bid documents for County review		
11.C.3 Address and Incorporate Comments	12	
11.C.4 Final Bid Documents	6	
11.D Lady's Island Middle School Access		
11.D.1 Prepare Specifications/Bid Documents	16	
11.D.2 Submit draft bid documents for County review		
11.D.3 Address and Incorporate Comments	4	
11.D.4 Final Bid Documents		
11.E Sunset Boulevard / Miller Drive W.		
11.E.1 Prepare Specifications/Bid Documents	36	
11.E.2 Submit draft bid documents for County review		
11.E.3 Address and Incorporate Comments	12	
11.E.4 Final Bid Documents	6	

**Task 11: CONSTRUCTION BID PHASE SERVICES**

Fee Determination for Labor

Staff Classification	Hours	Rate	Direct Labor	Overhead	Profit	FCCM	Labor Total
Sr. Project Manager	20	\$ 80.00	\$ 1,600.00	\$ 2,415.36	\$ 401.54	\$ 7.20	\$ 4,424.10
Project Manager	20	\$ 65.00	\$ 1,300.00	\$ 1,962.48	\$ 326.25	\$ 5.85	\$ 3,594.58
Sr. Transportation Engineer	32	\$ 60.00	\$ 1,920.00	\$ 2,898.43	\$ 481.84	\$ 8.64	\$ 5,308.91
Transportation Engineer	32	\$ 45.00	\$ 1,440.00	\$ 2,173.82	\$ 361.38	\$ 6.48	\$ 3,981.68
Sr. Environmental Specialist	40	\$ 45.00	\$ 1,800.00	\$ 2,717.28	\$ 451.73	\$ 8.10	\$ 4,977.11
Jr. Transportation Engineer/EIT	24	\$ 35.00	\$ 840.00	\$ 1,268.06	\$ 210.81	\$ 3.78	\$ 2,322.65
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Task Totals for Labor</b>	<b>168</b>		<b>\$ 8,900.00</b>	<b>\$ 13,435.43</b>	<b>\$ 2,233.55</b>	<b>\$ 40.05</b>	<b>\$ 24,609.03</b>

Non-salary Direct Expenses

Expense Description	Quantity	Units	Unit Cost	Total Cost
-			\$ -	\$ -
-			\$ -	\$ -
-			\$ -	\$ -
-			\$ -	\$ -
-			\$ -	\$ -
-			\$ -	\$ -
-			\$ -	\$ -
-			\$ -	\$ -
-			\$ -	\$ -
-			\$ -	\$ -
-			\$ -	\$ -
-			\$ -	\$ -
-			\$ -	\$ -
-			\$ -	\$ -
-			\$ -	\$ -
-			\$ -	\$ -
<b>Task Total for Non-salary Direct Expenses</b>			<b>\$ -</b>	<b>\$ -</b>

Subconsultant Involvement

DBE	Subconsultant	Total Fee for Task	Manhours
		\$ -	
	Johnson, Mirmiran & Thompson, Inc.	\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
<b>Task Totals for Subconsultant Involvement</b>		<b>\$ -</b>	

**Fee Summary for Task**

<b>A Direct Labor</b>	<b>\$ 8,900.00</b>
<b>B Overhead [A x 1.5096]</b>	<b>\$ 13,435.43</b>
<b>C Profit [(A+B) x 0.1]</b>	<b>\$ 2,233.55</b>
<b>D FCCM [A x 0.0045]</b>	<b>\$ 40.05</b>
<b>E Labor Total</b>	<b>\$ 24,609.03</b>
<b>F Non-salary Direct Expenses</b>	<b>\$ -</b>
<b>G Subconsultant Fees</b>	<b>\$ -</b>
<b>Task Total</b>	<b>\$ 24,609.03</b>

**\$24,609.03**



**Task 12: PERMITTING**

*Manhours*

Staff Classification	Sr. Transportation Planner	Sr. Hydraulic Engineer	Hydraulic Engineer	Sr. Environmental Specialist	Environmental Specialist							Manhour Totals
Manhour Totals by Classification		129	264	108	420							<b>921</b>
Sub-task												
12.A Mayfair Court												
12.A.1 SCDOT Encroachment Permit		12	20									32 3.5%
12.A.2 USACE JD & Permit				12	60							72 7.8%
12.A.3 SWPPP/NOI/CZC Permits		6	18									24 2.6%
12.A.4 Beaufort MS4 Permit		5	12									17 1.8%
12.B Meadowbrook Drive												
12.B.1 SCDOT Encroachment Permit		12	20									32 3.5%
12.B.2 USACE JD & Permit				12	60							72 7.8%
12.B.3 SWPPP/NOI/CZC Permits		6	18									24 2.6%
12.B.4 Beaufort MS4 Permit		5	12									17 1.8%
12.C Hazel Farm Road / Gay Drive												
12.C.1 SCDOT / Local Encroachment Permit		12	20									32 3.5%
12.C.2 USACE JD Permit				28	100							128 13.9%
12.C.3 SWPPP/NOI/CZC Permits		6	18									24 2.6%
12.C.4 Beaufort MS4 Permit		5	12									17 1.8%
12.D Lady's Island Middle School Access												
12.D.1 SCDOT /Local Encroachment Permit		12	20									32 3.5%
12.D.2 USACE JD Permit				28	100							128 13.9%
12.D.3 SWPPP/NOI/CZC Permits		6	18									24 2.6%
12.D.4 Beaufort MS4 Permit		5	12									17 1.8%
12.E Sunset Boulevard / Miller Drive W.												
12.E.1 SCDOT Encroachment Permit		16	24									40 4.3%
12.E.2 USACE JD Permit				28	100							128 13.9%
12.E.3 SWPPP/NOI/CZC Permits		14	24									38 4.1%
12.E.4 Beaufort MS4 Permit		7	16									23 2.5%

**Task 12: PERMITTING**

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***Task Notes***

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General Task Notes

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Sub-task	Manhour Totals	Notes
12.A Mayfair Court		
12.A.1 SCDOT Encroachment Permit	32	
12.A.2 USACE JD & Permit	72	
12.A.3 SWPPP/NOI/CZC Permits	24	
12.A.4 Beaufort MS4 Permit	17	
12.B Meadowbrook Drive		
12.B.1 SCDOT Encroachment Permit	32	
12.B.2 USACE JD & Permit	72	
12.B.3 SWPPP/NOI/CZC Permits	24	
12.B.4 Beaufort MS4 Permit	17	
12.C Hazel Farm Road / Gay Drive		
12.C.1 SCDOT / Local Encroachment Permit	32	
12.C.2 USACE JD Permit	128	
12.C.3 SWPPP/NOI/CZC Permits	24	
12.C.4 Beaufort MS4 Permit	17	
12.D Lady's Island Middle School Access		
12.D.1 SCDOT /Local Encroachment Permit	32	
12.D.2 USACE JD Permit	128	
12.D.3 SWPPP/NOI/CZC Permits	24	
12.D.4 Beaufort MS4 Permit	17	
12.E Sunset Boulevard / Miller Drive W.		
12.E.1 SCDOT Encroachment Permit	40	
12.E.2 USACE JD Permit	128	
12.E.3 SWPPP/NOI/CZC Permits	38	
12.E.4 Beaufort MS4 Permit	23	



**Task 15: CONSTRUCTION PHASE SERVICES**

*Manhours*

Staff Classification	Project Manager	Sr. Environmental Specialist	Transportation Engineer								Manhour Totals
Manhour Totals by Classification	10	20	40								<b>70</b>
Sub-task											
15.A Mayfair Drive											
15.A.1 Attend pre-construction meeting											
15.A.2 Review shop drawings											
15.A.3 Respond to contractor's request for information	2	4	8								14 20.0%
15.A.4 Attend monthly progress meetings											
15.A.5 Site visits											
15.A.6 Prepare plan revisions											
15.B Meadowbrook Road											
15.B.1 Attend pre-construction meeting											
15.B.2 Review shop drawings											
15.B.3 Respond to contractor's request for information	2	4	8								14 20.0%
15.B.4 Attend monthly progress meetings											
15.B.5 Site visits											
15.B.6 Prepare plan revisions											
15.C Hazel Farm Road / Gay Drive											
15.C.1 Attend pre-construction meeting											
15.C.2 Review shop drawings											
15.C.3 Respond to contractor's request for information	2	4	8								14 20.0%
15.C.4 Attend monthly progress meetings											
15.C.5 Site visits											
15.C.6 Prepare plan revisions											
14.D Lady's Island Middle School Access											
15.D.1 Attend pre-construction meeting											
15.D.2 Review shop drawings											
15.D.3 Respond to contractor's request for information	2	4	8								14 20.0%
15.D.4 Attend monthly progress meetings											
15.D.5 Site visits											
15.D.6 Prepare plan revisions											
15.E Sunset Boulevard / Miller Drive W.											
15.E.1 Attend pre-construction meeting											
15.E.2 Review shop drawings											
15.E.3 Respond to contractor's request for information	2	4	8								14 20.0%
15.E.4 Attend monthly progress meetings											
15.E.5 Site visits											
15.E.6 Prepare plan revisions											

**Task 15: CONSTRUCTION PHASE SERVICES**

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**Task Notes**

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General Task Notes

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Sub-task	Manhour Totals	Notes
15.A Mayfair Drive		
15.A.1 Attend pre-construction meeting		
15.A.2 Review shop drawings		
15.A.3 Respond to contractor's request for information	14	
15.A.4 Attend monthly progress meetings		
15.A.5 Site visits		
15.A.6 Prepare plan revisions		
15.B Meadowbrook Road		
15.B.1 Attend pre-construction meeting		
15.B.2 Review shop drawings		
15.B.3 Respond to contractor's request for information	14	
15.B.4 Attend monthly progress meetings		
15.B.5 Site visits		
15.B.6 Prepare plan revisions		
15.C Hazel Farm Road / Gay Drive		
15.C.1 Attend pre-construction meeting		
15.C.2 Review shop drawings		
15.C.3 Respond to contractor's request for information	14	
15.C.4 Attend monthly progress meetings		
15.C.5 Site visits		
15.C.6 Prepare plan revisions		
14.D Lady's Island Middle School Access		
15.D.1 Attend pre-construction meeting		
15.D.2 Review shop drawings		
15.D.3 Respond to contractor's request for information	14	
15.D.4 Attend monthly progress meetings		
15.D.5 Site visits		
15.D.6 Prepare plan revisions		
15.E Sunset Boulevard / Miller Drive W.		
15.E.1 Attend pre-construction meeting		
15.E.2 Review shop drawings		
15.E.3 Respond to contractor's request for information	14	
15.E.4 Attend monthly progress meetings		
15.E.5 Site visits		
15.E.6 Prepare plan revisions		

**Task 15: CONSTRUCTION PHASE SERVICES**

**Fee Determination for Labor**

Staff Classification	Hours	Rate	Direct Labor	Overhead 150.96%	Profit 10.00%	FCCM 0.45%	Labor Total
Project Manager	10	\$ 65.00	\$ 650.00	\$ 981.24	\$ 163.12	\$ 2.93	\$ 1,797.29
Sr. Environmental Specialist	20	\$ 45.00	\$ 900.00	\$ 1,358.64	\$ 225.86	\$ 4.05	\$ 2,488.55
Transportation Engineer	40	\$ 45.00	\$ 1,800.00	\$ 2,717.28	\$ 451.73	\$ 8.10	\$ 4,977.11
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Task Totals for Labor</b>	<b>70</b>	<b>\$</b>	<b>\$ 3,350.00</b>	<b>\$ 5,057.16</b>	<b>\$ 840.71</b>	<b>\$ 15.08</b>	<b>\$ 9,262.95</b>
			(A)	(B)	(C)	(D)	(E)

**Non-salary Direct Expenses**

Expense Description	Quantity	Units	Unit Cost	Total Cost
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
-	-	@	\$ -	\$ -
<b>Task Total for Non-salary Direct Expenses</b>			\$ -	\$ -
				(F)

**Subconsultant Involvement**

DBE	Subconsultant	Total Fee for Task	Manhours
-	-	\$ -	-
-	Johnson, Mirmiran & Thompson, Inc.	\$ -	-
-	-	\$ -	-
-	-	\$ -	-
-	-	\$ -	-
-	-	\$ -	-
-	-	\$ -	-
<b>Task Totals for Subconsultant Involvement</b>		\$ -	(G)

**Fee Summary for Task**

A	Direct Labor	\$ 3,350.00
B	Overhead [A x 1.5096]	\$ 5,057.16
C	Profit [(A+B) x 0.1]	\$ 840.71
D	FCCM [A x 0.0045]	\$ 15.08
E	<b>Labor Total</b>	<b>\$ 9,262.95</b>
F	Non-salary Direct Expenses	\$ -
G	Subconsultant Fees	\$ -
	<b>Task Total</b>	<b>\$ 9,262.95</b>

**\$9,262.95**

**Task 16: TRAFFIC SIGNAL PLANS**

***Manhours***

Staff Classification	Sr. Project Manager	Sr. Transportation Engineer	Transportation Engineer	Jr. Transportation Engineer/EIT									Manhour Totals
Manhour Totals by Classification	24	86	166	152									<b>428</b>

Sub-task

Sub-task	Sr. Project Manager	Sr. Transportation Engineer	Transportation Engineer	Jr. Transportation Engineer/EIT										
16.A Hazel Farm Road / Gay Drive														
16.A.1 Field Reviews		3	3										6	1.4%
16.A.2 Prepare preliminary traffic signal plan	4	16	32	36									88	20.6%
16.A.3 Respond to and incorporate agency comments	2	4	8	12									26	6.1%
16.A.4 Prepare final traffic signal plan	4	12	24	28									68	15.9%
16.A.5 Prepare summary of quantities and cost estimate	2	8	16										26	6.1%
16.B Sunset Boulevard / Miller Drive W.														
16.B.1 Field Reviews		3	3										6	1.4%
16.B.2 Prepare preliminary traffic signal plan	4	16	32	36									88	20.6%
16.B.3 Respond to and incorporate agency comments	2	4	8	12									26	6.1%
16.B.4 Prepare final traffic signal plan	4	12	24	28									68	15.9%
16.B.5 Prepare summary of quantities and cost estimate	2	8	16										26	6.1%

**Task 16: TRAFFIC SIGNAL PLANS**

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*Task Notes*

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General Task Notes

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Sub-task	Manhour Totals	Notes
16.A Hazel Farm Road / Gay Drive		2 signals: SC802/Hazel Farm and US 21/Gay Drive
16.A.1 Field Reviews	6	
16.A.2 Prepare preliminary traffic signal plan	88	
16.A.3 Respond to and incorporate agency comments	26	
16.A.4 Prepare final traffic signal plan	68	
16.A.5 Prepare summary of quantities and cost estimate	26	
16.B Sunset Boulevard / Miller Drive W.		2 signals: SC802/Miller Dr. and US 21/Sunset Blvd.
16.B.1 Field Reviews	6	
16.B.2 Prepare preliminary traffic signal plan	88	
16.B.3 Respond to and incorporate agency comments	26	
16.B.4 Prepare final traffic signal plan	68	
16.B.5 Prepare summary of quantities and cost estimate	26	





# **Lady's Island Access Road Project**

## **Fee Proposal**

**Michael Baker International**

**DAVIS & FLOYD**

SINCE 1954

## Manhour and Fee Estimate Overview

MFE Version 2.46

### Project Information

Project Name	Lady's Island Access Roads
Project Phase or Segment	
Project Location	Beaufort County
CM Number/Descriptor	
Contract Designation	

### Labor Multipliers

Overhead Rate	165.00%	<i>a</i>
FCCM Rate		<i>b</i>
Profit Rate	10.00%	<i>c</i>
Combined Multiplier	2.9150	$(1+a)*(1+c)+b$

### Consultant Information

Firm Name	Michael Baker
Certified DBE ?	No
Prepared by	
Effective Date	
Estimate Type	Subconsultant

### Task Identification

Active	Number	Description
	01	PROJECT MANAGEMENT
✓	02	SURVEYS
	03	UTILITY COORDINATION
	04	PRELIMINARY PLAN DESIGN
	05	RIGHT-OF-WAY PLAN DESIGN
	06	HYDRAULIC & HYDROLOGIC DESIGN
✓	07	PUBLIC INVOLVEMENT AND MEETINGS
	08	GEOTECH. INVEST. / PAVEMENT DESIGN
	09	FINAL CONSTRUCTION PLANS
	10	LANDSCAPING/LIGHTING PLANS
	11	CONSTRUCTION BID PHASE SERVICES
	12	PERMITTING
✓	13	RIGHT-OF-WAY ACQUISITION PHASE SERVICES
	14	SUBSURFACE UTILITY ENGINEERING (SUE)
	15	CONSTRUCTION PHASE SERVICES
	16	TRAFFIC SIGNAL PLANS
	17	
	18	
	19	
	20	

### Subconsultant Roster

Subconsultant	Certified DBE ?
Michael Baker International, Inc.	

### Geotechnical Testing Direct Expenses

	Assigned to :
Testing Direct Expenses, Worksheet 1	-
Testing Direct Expenses, Worksheet 2	-
Testing Direct Expenses, Worksheet 3	-

**Project Fee Summary**

**Fee Totals Broken Down by Task**

Task	Task Description	Labor	Directs	Subs	Total	
01	PROJECT MANAGEMENT	\$ -	\$ -	\$ -	\$ -	-
02	SURVEYS	\$ 21,257.65	\$ 7,875.00	\$ -	\$ 29,132.65	3.5%
03	UTILITY COORDINATION	\$ -	\$ -	\$ -	\$ -	-
04	PRELIMINARY PLAN DESIGN	\$ -	\$ -	\$ -	\$ -	-
05	RIGHT-OF-WAY PLAN DESIGN	\$ -	\$ -	\$ -	\$ -	-
06	HYDRAULIC & HYDROLOGIC DESIGN	\$ -	\$ -	\$ -	\$ -	-
07	PUBLIC INVOLVEMENT AND MEETINGS	\$ 4,856.97	\$ 161.00	\$ -	\$ 5,017.97	0.6%
08	GEOTECH. INVEST. / PAVEMENT DESIGN	\$ -	\$ -	\$ -	\$ -	-
09	FINAL CONSTRUCTION PLANS	\$ -	\$ -	\$ -	\$ -	-
10	LANDSCAPING/LIGHTING PLANS	\$ -	\$ -	\$ -	\$ -	-
11	CONSTRUCTION BID PHASE SERVICES	\$ -	\$ -	\$ -	\$ -	-
12	PERMITTING	\$ -	\$ -	\$ -	\$ -	-
13	RIGHT-OF-WAY ACQUISITION PHASE SERVICES	\$ -	\$ 790,000.00	\$ -	\$ 790,000.00	95.9%
14	SUBSURFACE UTILITY ENGINEERING (SUE)	\$ -	\$ -	\$ -	\$ -	-
15	CONSTRUCTION PHASE SERVICES	\$ -	\$ -	\$ -	\$ -	-
16	TRAFFIC SIGNAL PLANS	\$ -	\$ -	\$ -	\$ -	-
		\$ -	\$ -	\$ -	\$ -	-
		\$ -	\$ -	\$ -	\$ -	-
		\$ -	\$ -	\$ -	\$ -	-
<b>Totals</b>		\$ 26,114.62	\$ 798,036.00	\$ -	\$ 824,150.62	

**Michael Baker**

Task	Task Description	Direct Labor	Overhead	Profit	FCCM	Labor Total	Directs	Total
01	PROJECT MANAGEMENT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
02	SURVEYS	\$ 7,292.50	\$ 12,032.63	\$ 1,932.52	\$ -	\$ 21,257.65	\$ 7,875.00	\$ 29,132.65
03	UTILITY COORDINATION	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
04	PRELIMINARY PLAN DESIGN	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
05	RIGHT-OF-WAY PLAN DESIGN	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
06	HYDRAULIC & HYDROLOGIC DESIGN	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
07	PUBLIC INVOLVEMENT AND MEETINGS	\$ 1,666.20	\$ 2,749.23	\$ 441.54	\$ -	\$ 4,856.97	\$ 161.00	\$ 5,017.97
08	GEOTECH. INVEST. / PAVEMENT DESIGN	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
09	FINAL CONSTRUCTION PLANS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	LANDSCAPING/LIGHTING PLANS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11	CONSTRUCTION BID PHASE SERVICES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12	PERMITTING	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	RIGHT-OF-WAY ACQUISITION PHASE SERVICES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 790,000.00	\$ 790,000.00
14	SUBSURFACE UTILITY ENGINEERING (SUE)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15	CONSTRUCTION PHASE SERVICES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16	TRAFFIC SIGNAL PLANS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>		\$ 8,958.70	\$ 14,781.86	\$ 2,374.06	\$ -	\$ 26,114.62	\$ 798,036.00	\$ 824,150.62
		(A)	(B)	(C)	(D)	(E)	(F)	

**Summary of DBE Qualifying Fees**

	Total Fee	Qualifying Portion	Qualifying Fee
Michael Baker	\$ 824,150.62	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
Michael Baker International, Inc.	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
<b>Total DBE Qualifying Fee</b>		\$ -	\$ -
Percentage of Fee Total			

**Fee Summary**

<b>A - Direct Labor</b>	\$	<b>8,958.70</b>
<b>B - Overhead [A x 1.65]</b>	\$	<b>14,781.86</b>
<b>C - Profit [(A+B) x 0.1]</b>	\$	<b>2,374.06</b>
<b>D - FCCM [A x 0]</b>	\$	<b>-</b>
<b>E - Labor Total</b>	\$	<b>26,114.62</b>
<b>F - Total Non-Salary Direct Expenses</b>	\$	<b>798,036.00</b>
<b>G - Subconsultant Fees</b>	\$	<b>-</b>
<b>Fee Total</b>	\$	<b>824,150.62</b>

fee total less profit: \$821,776.56

Prepared by: \_\_\_\_\_

**Subconsultant Fee Summary**

**Subconsultant Fees Broken Down by Task**

Task	<i>Michael Baker International, Inc.</i>															Total				
01	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
02	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
03	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
04	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
05	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
06	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
07	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
08	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
09	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
10	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
11	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
12	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
13	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
14	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
15	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
16	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
17	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
18	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
19	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
20	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Totals	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

(G)

<b>Fee Breakdown by Firm</b>		
Michael Baker	\$	824,150.62 100.0%
	\$	-
	\$	-
Michael Baker International, Inc.	\$	-
	\$	-
	\$	-
	\$	-
	\$	-
	\$	-
	\$	-
	\$	-
Project Totals	\$	824,150.62

Project Manhour Summary

			Task																
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	
Staff Classification	Project Manhour Totals by Classification	Percentage of Total Hours	PROJECT MANAGEMENT	SURVEYS	UTILITY COORDINATION	PRELIMINARY PLAN DESIGN	RIGHT-OF-WAY PLAN DESIGN	HYDRAULIC & HYDROLOGIC DESIGN	PUBLIC INVOLVEMENT AND MEETINGS	GEOTECH. INVEST. / PAVEMENT DESIGN	FINAL CONSTRUCTION PLANS	LANDSCAPING/LIGHTING PLANS	CONSTRUCTION BID PHASE SERVICES	PERMITTING	RIGHT-OF-WAY ACQUISITION PHASE SERVICES	SUBSURFACE UTILITY ENGINEERING (SUE)	CONSTRUCTION PHASE SERVICES	TRAFFIC SIGNAL PLANS	
			Project Totals by Task	200	170					30									
Principal																			
Sr. Project Manager	10	5.0%		10															
Project Manager																			
Sr. Transportation Engineer																			
Transportation Engineer																			
Jr. Transportation Engineer/EIT																			
Sr. Structural Engineer																			
Structural Engineer																			
Jr. Structural Engineer/EIT																			
Sr. Hydraulic Engineer																			
Hydraulic Engineer																			
Jr. Hydraulic Engineer/EIT																			
Sr. Geotechnical Engineer																			
Geotechnical Engineer																			
Jr. Geotechnical Engineer/EIT																			
Sr. Traffic Engineer																			
Traffic Engineer																			
Jr. Traffic Engineer/EIT																			
Sr. Utilities Engineer																			
Utilities Engineer																			
Utilities Coordinator																			
Sr. Electrical Engineer																			
Electrical Engineer																			
Jr. Electrical Engineer/EIT																			
Sr. Transportation Planner																			
Transportation Planner																			
Jr. Transportation Planner																			
Transportation Modeler																			
Project Economist																			
Sr. Landscape Architect																			
Landscape Architect																			
Sr. Architect																			
Architect																			
Sr. Land Surveyor																			
Land Surveyor																			
Jr. Land Surveyor/LSIT																			
Sr. Environmental Specialist	30	15.0%							30										
Environmental Specialist																			
Jr. Environmental Specialist																			
Principal Investigator																			
Project Historian																			
Project Architectural Historian																			

**Project Manhour Summary**

Staff Classification	Task															
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
	PROJECT MANAGEMENT	SURVEYS	UTILITY COORDINATION	PRELIMINARY PLAN DESIGN	RIGHT-OF-WAY PLAN DESIGN	HYDRAULIC & HYDROLOGIC DESIGN	PUBLIC INVOLVEMENT AND MEETINGS	GEOTECH. INVEST. / PAVEMENT DESIGN	FINAL CONSTRUCTION PLANS	LANDSCAPING/LIGHTING PLANS	CONSTRUCTION BID PHASE SERVICES	PERMITTING	RIGHT-OF-WAY ACQUISITION PHASE SERVICES	SUBSURFACE UTILITY ENGINEERING (SUE)	CONSTRUCTION PHASE SERVICES	TRAFFIC SIGNAL PLANS
<b>Project Manhour Totals by Classification</b>	Percentage of Total Hours															
<b>Project Totals by Task</b>	<b>200</b>	170					30									
Project Archaeologist																
Project Geologist																
Project Biologist																
Project Wetlands Ecologist																
Project Laboratory Director																
Project Laboratory Technician																
Sr. Engineering Technician																
Engineering Technician																
Jr. Engineering Technician																
Sr. Structural Engineering Technician																
Structural Engineering Technician																
Sr. Permitting Technician																
Permitting Technician																
Sr. Survey Technician																
Survey Technician																
Jr. Survey Technician																
Sr. GIS Technician																
GIS Technician																
Jr. GIS Technician																
Sr. Administrative Assistant																
Administrative Assistant	10	5.0%	10													
Office Manager																
Controller/Accountant																
Survey Crew Chief																
Survey Instrument Man																
Survey Rodman																
SUE Crew Manager																
SUE Technician																
Drill Rig Crew Manager																
Drill Rig Technician																
Sr. Certified Inspector	150	75.0%	150													
Certified Inspector																
Jr. Certified Inspector																
Sr. ROW Specialist																
ROW Abstractor																
ROW Appraiser																
Information Technology Specialist																
Graphics Designer																





**Task 02: SURVEYS**

*Manhours*

Staff Classification	Principal	Sr. Project Manager	Land Surveyor	Jr. Land Surveyor/LST	Sr. Certified Inspector	Administrative Assistant					Manhour Totals
Manhour Totals by Classification		10			150	10					<b>170</b>
Sub-task											
2.A Mayfair Court											
2.A.1 Primary Control Survey											
2.A.2 Property Strip Map											
2.A.3 Digital Terrain Model (DTM)											
2.A.4 Process Survey Data and Mapping											
2.A.5 Reference Data Sheets (RDS)											
2.A.6 Wetland Jurisdictional Delineation											
2.A.7 Pipe Inspection		2			30	2					34 20.0%
2.B Meadowbrook Drive											
2.B.1 Primary Control Survey											
2.B.2 Property Strip Map											
2.B.3 Digital Terrain Model (DTM)											
2.B.4 Process Survey Data and Mapping											
2.B.5 Reference Data Sheets (RDS)											
2.B.6 Wetland Jurisdictional Delineation											
2.B.7 Pipe Inspection		2			30	2					34 20.0%
2.C Hazel Farm Road / Gay Drive											
2.C.1 Primary Control Survey											
2.C.2 Property Strip Map											
2.C.3 Digital Terrain Model (DTM)											
2.C.4 Process Survey Data and Mapping											
2.C.5 Reference Data Sheets (RDS)											
2.C.6 Wetland Jurisdictional Delineation											
2.C.7 Pipe Inspection		2			30	2					34 20.0%
2.D Lady's Island Middle School Access											
2.D.1 Primary Control Survey											
2.D.2 Property Strip Map											
2.D.3 Digital Terrain Model (DTM)											
2.D.4 Process Survey Data and Mapping											
2.D.5 Reference Data Sheets (RDS)											
2.D.6 Wetland Jurisdictional Delineation											
2.D.7 Pipe Inspection		2			30	2					34 20.0%
2.E Sunset Boulevard / Miller Drive W.											
2.E.1 Primary Control Survey											
2.E.2 Property Strip Map											
2.E.3 Digital Terrain Model (DTM)											
2.E.4 Process Survey Data and Mapping											
2.E.5 Reference Data Sheets (RDS)											
2.E.6 Wetland Jurisdictional Delineation											
2.E.7 Pipe Inspection		2			30	2					34 20.0%

**Task 02: SURVEYS**

**Task Notes**

General Task Notes

Sub-task	Manhour Totals	Notes
2.A Mayfair Court		Assume 125' corridor along Mayfair Court/William Street = 1,900 lf.
2.A.1 Primary Control Survey		control will be set from NGS monuments, NAD 33 / NAVD 88
2.A.2 Property Strip Map		
2.A.3 Digital Terrain Model (DTM)		drainage outfalls will be surveyed 50 lf beyond top of bank for 100 lf up/downstream
2.A.4 Process Survey Data and Mapping		each data point will include Point ID, description, and Elevation
2.A.5 Reference Data Sheets (RDS)		point description, northing, easting, and elevation data will be included
2.A.6 Wetland Jurisdictional Delineation		
2.A.7 Pipe Inspection	34	Video drainage system and prepare report
2.B Meadowbrook Drive		Assume 125' corridor along Meadowbrook Drive/Lupo Drive= 1,800 lf.
2.B.1 Primary Control Survey		control will be set from NGS monuments, NAD 33 / NAVD 88
2.B.2 Property Strip Map		
2.B.3 Digital Terrain Model (DTM)		drainage outfalls will be surveyed 50 lf beyond top of bank for 100 lf up/downstream
2.B.4 Process Survey Data and Mapping		each data point will include Point ID, description, and Elevation
2.B.5 Reference Data Sheets (RDS)		point description, northing, easting, and elevation data will be included
2.B.6 Wetland Jurisdictional Delineation		
2.B.7 Pipe Inspection	34	Video drainage system and prepare report
2.C Hazel Farm Road / Gay Drive		Assume 125' corridor along Hazel Farm/Gay/Inlet/Ferry/SC802/US21= 5,350 lf.
2.C.1 Primary Control Survey		control will be set from NGS monuments, NAD 33 / NAVD 88
2.C.2 Property Strip Map		
2.C.3 Digital Terrain Model (DTM)		drainage outfalls will be surveyed 50 lf beyond top of bank for 100 lf up/downstream
2.C.4 Process Survey Data and Mapping		each data point will include Point ID, description, and Elevation
2.C.5 Reference Data Sheets (RDS)		point description, northing, easting, and elevation data will be included
2.C.6 Wetland Jurisdictional Delineation		
2.C.7 Pipe Inspection	34	Video drainage system and prepare report
2.D Lady's Island Middle School Access		Assume 125' corridor along Access Road/US21/Cougar Dr= 2,400 lf.
2.D.1 Primary Control Survey		control will be set from NGS monuments, NAD 33 / NAVD 88
2.D.2 Property Strip Map		
2.D.3 Digital Terrain Model (DTM)		drainage outfalls will be surveyed 50 lf beyond top of bank for 100 lf up/downstream
2.D.4 Process Survey Data and Mapping		each data point will include Point ID, description, and Elevation
2.D.5 Reference Data Sheets (RDS)		point description, northing, easting, and elevation data will be included
2.D.6 Wetland Jurisdictional Delineation		
2.D.7 Pipe Inspection	34	Video drainage system and prepare report
2.E Sunset Boulevard / Miller Drive W.		Assume 125' corridor along Sunset/Miller/SC802/US21 = 4,000 lf.
2.E.1 Primary Control Survey		control will be set from NGS monuments, NAD 33 / NAVD 88
2.E.2 Property Strip Map		
2.E.3 Digital Terrain Model (DTM)		drainage outfalls will be surveyed 50 lf beyond top of bank for 100 lf up/downstream
2.E.4 Process Survey Data and Mapping		each data point will include Point ID, description, and Elevation
2.E.5 Reference Data Sheets (RDS)		point description, northing, easting, and elevation data will be included
2.E.6 Wetland Jurisdictional Delineation		
2.E.7 Pipe Inspection	34	Video drainage system and prepare report



**Task 07: PUBLIC INVOLVEMENT AND MEETINGS**

---

*Manhours*

Staff Classification

	Sr. Environmental Specialist											
Manhour Totals by Classification	30											

Manhour Totals  
**30**

Sub-task

Sub-task	Sr. Environmental Specialist	Hours	%
7.A Public Information Meeting #1 (0% Design)			
7.A.1 Attend PIM #1 (Content provided by others)			
7.A.2 Debrief Meeting with County Staff	2	2	6.7%
Coordination with County to address public comments	4	4	13.3%
7.B Public Meetings - 2 (70% Design)			
7.B.1 Prepare Meeting Exhibits/Handouts	8	8	26.7%
7.B.2 Conduct Public Information Meeting	8	8	26.7%
7.B.3 Summarize Contents and Review with County Staff	8	8	26.7%
7.B.4 Provide Comment Responses	8	8	26.7%



**Task 07: PUBLIC INVOLVEMENT AND MEETINGS**

***Fee Determination for Labor***

Staff Classification	Hours	Rate	Direct Labor	Overhead	Profit	FCCM	Labor Total
Sr. Environmental Specialist	30	\$ 55.54	\$ 1,666.20	\$ 2,749.23 <small>165.00%</small>	\$ 441.54 <small>10.00%</small>	\$ -	\$ 4,856.97
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Task Totals for Labor</b>	<b>30</b>		<b>\$ 1,666.20</b>	<b>\$ 2,749.23</b> <small>(A) (B)</small>	<b>\$ 441.54</b> <small>(C)</small>	<b>\$ -</b> <small>(D)</small>	<b>\$ 4,856.97</b> <small>(E)</small>

***Non-salary Direct Expenses***

Expense Description	Quantity	Units	Unit Cost	Total Cost
Mileage	280	miles	@ \$ 0.575 per mile	\$ 161.00
-	-	-	@ \$ -	\$ -
-	-	-	@ \$ -	\$ -
-	-	-	@ \$ -	\$ -
-	-	-	@ \$ -	\$ -
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-	-	-	@ \$ -	\$ -
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-	-	-	@ \$ -	\$ -
-	-	-	@ \$ -	\$ -
-	-	-	@ \$ -	\$ -
<b>Task Total for Non-salary Direct Expenses</b>				<b>\$ 161.00</b> <small>(F)</small>

***Subconsultant Involvement***

DBE	Subconsultant	Total Fee for Task	Manhours
		\$ -	
		\$ -	
	Michael Baker International, Inc.	\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
<b>Task Totals for Subconsultant Involvement</b>		<b>\$ -</b> <small>(G)</small>	

**Fee Summary for Task**

<b>A</b>	<b>Direct Labor</b>	\$ 1,666.20
<b>B</b>	<b>Overhead [A x 1.65]</b>	\$ 2,749.23
<b>C</b>	<b>Profit [(A+B) x 0.1]</b>	\$ 441.54
<b>D</b>	<b>FCCM [A x 0]</b>	\$ -
<b>E</b>	<b>Labor Total</b>	<b>\$ 4,856.97</b>
<b>F</b>	<b>Non-salary Direct Expenses</b>	\$ 161.00
<b>G</b>	<b>Subconsultant Fees</b>	\$ -
	<b>Task Total</b>	<b>\$ 5,017.97</b>

\$5,017.97

**Task 13: RIGHT-OF-WAY ACQUISITION PHASE SERVICES**

**Manhours**

Staff Classification										
Manhour Totals by Classification										Manhour Totals

Sub-task										
13.A Mayfair Court										
13.A.1 Perform Title Searches										
13.A.2 Perform and/or review appraisals										
13.A.3 Negotiate acquisitions										
13.B Meadowbrook Drive										
13.B.1 Perform Title Searches										
13.B.2 Perform and/or review appraisals										
13.B.3 Negotiate acquisitions										
13.C Hazel Farm Road / Gay Drive										
13.C.1 Perform Title Searches										
13.C.2 Perform and/or review appraisals										
13.C.3 Negotiate acquisitions										
13.D Lady's Island Middle School Access										
13.D.1 Perform Title Searches										
13.D.2 Perform and/or review appraisals										
13.D.3 Negotiate acquisitions										
13.E Sunset Boulevard / Miller Drive W.										
13.E.1 Perform Title Searches										
13.E.2 Perform and/or review appraisals										
13.E.3 Negotiate acquisitions										

**Task 13: RIGHT-OF-WAY ACQUISITION PHASE SERVICES**

**Task Notes**

General Task Notes

Sub-task	Manhour Totals	Notes
13.A Mayfair Court		assume 1,900 lf of roadway
13.A.1 Perform Title Searches		
13.A.2 Perform and/or review appraisals		
13.A.3 Negotiate acquisitions		
13.B Meadowbrook Drive		
13.B.1 Perform Title Searches		assume 1,800 lf of roadway
13.B.2 Perform and/or review appraisals		
13.B.3 Negotiate acquisitions		
13.C Hazel Farm Road / Gay Drive		
13.C.1 Perform Title Searches		
13.C.2 Perform and/or review appraisals		assume 5,350 lf of roadway
13.C.3 Negotiate acquisitions		
13.D Lady's Island Middle School Access		
13.D.1 Perform Title Searches		
13.D.2 Perform and/or review appraisals		
13.D.3 Negotiate acquisitions		assume 2,400 lf of roadway
13.E Sunset Boulevard / Miller Drive W.		
13.E.1 Perform Title Searches		
13.E.2 Perform and/or review appraisals		
13.E.3 Negotiate acquisitions		assume 4,000 lf of roadway



**Task 13: RIGHT-OF-WAY ACQUISITION PHASE SERVICES**

*Fee Determination for Labor*

Staff Classification	Hours	Rate	Direct Labor	Overhead 165.00%	Profit 10.00%	FCCM	Labor Total
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Task Totals for Labor</b>			\$ -	\$ -	\$ -	\$ -	\$ -

(A) (B) (C) (D) (E)

*Non-salary Direct Expenses*

Expense Description	Quantity	Units	Unit Cost	Total Cost
Right of Way Acquisition	100	ea	@ \$ 3,500.00 per ea	\$ 350,000.00
Title Opinions plus One Review	100	ea	@ \$ 350.00 per ea	\$ 35,000.00
Appraisal	100	ea	@ \$ 3,500.00 per ea	\$ 350,000.00
Appraisal Review	100	ea	@ \$ 375.00 per ea	\$ 37,500.00
Exhibit	100	ea	@ \$ 175.00 per ea	\$ 17,500.00
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
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-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
<b>Task Total for Non-salary Direct Expenses</b>				\$ 790,000.00

(F)

*Subconsultant Involvement*

DBE	Subconsultant	Total Fee for Task	Manhours
		\$ -	
		\$ -	
	Michael Baker International, Inc.	\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
<b>Task Totals for Subconsultant Involvement</b>		\$ -	

(G)

**Fee Summary for Task**

<b>A</b>	<b>Direct Labor</b>	\$ -
<b>B</b>	<b>Overhead</b> [A x 1.65]	\$ -
<b>C</b>	<b>Profit</b> [(A+B) x 0.1]	\$ -
<b>D</b>	<b>FCCM</b> [A x 0]	\$ -
<b>E</b>	<b>Labor Total</b>	\$ -
<b>F</b>	<b>Non-salary Direct Expenses</b>	\$ 790,000.00
<b>G</b>	<b>Subconsultant Fees</b>	\$ -
	<b>Task Total</b>	<b>\$ 790,000.00</b>

**\$790,000.00**

# **Lady's Island Access Road Project**

## **Fee Proposal**

### **S&ME**

**DAVIS & FLOYD**

SINCE 1954

## Manhour and Fee Estimate Overview

MFE Version 2.46

### Project Information

Project Name	Lady's Island Access Roads
Project Phase or Segment	
Project Location	Beaufort County
CM Number/Descriptor	
Contract Designation	

### Labor Multipliers

Overhead Rate	181.67%	<i>a</i>
FCCM Rate	0.30%	<i>b</i>
Profit Rate	10.00%	<i>c</i>
Combined Multiplier	3.1014	$(1+a)*(1+c)+b$

### Consultant Information

Firm Name	S&ME
Certified DBE ?	No
Prepared by	
Effective Date	
Estimate Type	Subconsultant

### Task Identification

Active	Number	Description
	01	PROJECT MANAGEMENT
	02	SURVEYS
	03	UTILITY COORDINATION
	04	PRELIMINARY PLAN DESIGN
	05	RIGHT-OF-WAY PLAN DESIGN
	06	HYDRAULIC & HYDROLOGIC DESIGN
	07	PUBLIC INVOLVEMENT AND MEETINGS
✓	08	GEOTECH. INVEST. / PAVEMENT DESIGN
	09	FINAL CONSTRUCTION PLANS
	10	LANDSCAPING/LIGHTING PLANS
	11	CONSTRUCTION BID PHASE SERVICES
	12	PERMITTING
	13	RIGHT-OF-WAY ACQUISITION PHASE SERVICES
	14	SUBSURFACE UTILITY ENGINEERING (SUE)
	15	CONSTRUCTION PHASE SERVICES
	16	TRAFFIC SIGNAL PLANS
	17	
	18	
	19	
	20	

### Subconsultant Roster

Subconsultant	Certified DBE ?
S&ME, Inc.	

### Geotechnical Testing Direct Expenses

Assigned to :	
Testing Direct Expenses, Worksheet 1	-
Testing Direct Expenses, Worksheet 2	-
Testing Direct Expenses, Worksheet 3	-



**Subconsultant Fee Summary**

**Subconsultant Fees Broken Down by Task**

Task	<i>S&amp;ME, Inc.</i>															Total		
01	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
02	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
03	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
04	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
05	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
06	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
07	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
08	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
09	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
10	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
11	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
12	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
13	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
14	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
15	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
16	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
17	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
18	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
19	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
20	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Totals	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

(G)

Fee Breakdown by Firm		
S&ME	\$	74,508.35 100.0%
	\$	-
	\$	-
	\$	-
	\$	-
S&ME, Inc.	\$	-
	\$	-
	\$	-
	\$	-
	\$	-
	\$	-
	\$	-
Project Totals	\$	74,508.35

**Manhour and Fee Estimate  
Lady's Island Access Roads ()  
Beaufort County**

Subc Item 7.

**Project Manhour Summary**

Staff Classification	Project Manhour Totals by Classification	Percentage of Total Hours	Task																					
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16						
			PROJECT MANAGEMENT	SURVEYS	UTILITY COORDINATION	PRELIMINARY PLAN DESIGN	RIGHT-OF-WAY PLAN DESIGN	HYDRAULIC & HYDROLOGIC DESIGN	PUBLIC INVOLVEMENT AND MEETINGS	GEOTECH. INVEST. / PAVEMENT DESIGN	FINAL CONSTRUCTION PLANS	LANDSCAPING/LIGHTING PLANS	CONSTRUCTION BID PHASE SERVICES	PERMITTING	RIGHT-OF-WAY ACQUISITION PHASE SERVICES	SUBSURFACE UTILITY ENGINEERING (SUE)	CONSTRUCTION PHASE SERVICES	TRAFFIC SIGNAL PLANS						
<b>Project Totals by Task</b>	<b>374</b>									374														
Principal	10	2.7%							10															
Sr. Project Manager																								
Project Manager	36	9.6%							36															
Sr. Transportation Engineer																								
Transportation Engineer																								
Jr. Transportation Engineer/EIT																								
Sr. Structural Engineer																								
Structural Engineer																								
Jr. Structural Engineer/EIT																								
Sr. Hydraulic Engineer																								
Hydraulic Engineer																								
Jr. Hydraulic Engineer/EIT																								
Sr. Geotechnical Engineer	48	12.8%							48															
Geotechnical Engineer	75	20.1%							75															
Jr. Geotechnical Engineer/EIT	162	43.3%							162															
Sr. Traffic Engineer																								
Traffic Engineer																								
Jr. Traffic Engineer/EIT																								
Sr. Utilities Engineer																								
Utilities Engineer																								
Utilities Coordinator																								
Sr. Electrical Engineer																								
Electrical Engineer																								
Jr. Electrical Engineer/EIT																								
Sr. Transportation Planner																								
Transportation Planner																								
Jr. Transportation Planner																								
Transportation Modeler																								
Project Economist																								
Sr. Landscape Architect																								
Landscape Architect																								
Sr. Architect																								
Architect																								
Sr. Land Surveyor																								
Land Surveyor																								
Jr. Land Surveyor/LSIT																								
Sr. Environmental Specialist																								
Environmental Specialist																								
Jr. Environmental Specialist																								
Principal Investigator																								
Project Historian																								
Project Architectural Historian																								

**Project Manhour Summary**

Staff Classification	Project Manhour Totals by Classification	Percentage of Total Hours	Task																
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	
			PROJECT MANAGEMENT	SURVEYS	UTILITY COORDINATION	PRELIMINARY PLAN DESIGN	RIGHT-OF-WAY PLAN DESIGN	HYDRAULIC & HYDROLOGIC DESIGN	PUBLIC INVOLVEMENT AND MEETINGS	GEOTECH. INVEST. / PAVEMENT DESIGN	FINAL CONSTRUCTION PLANS	LANDSCAPING/LIGHTING PLANS	CONSTRUCTION BID PHASE SERVICES	PERMITTING	RIGHT-OF-WAY ACQUISITION PHASE SERVICES	SUBSURFACE UTILITY ENGINEERING (SUE)	CONSTRUCTION PHASE SERVICES	TRAFFIC SIGNAL PLANS	
<b>Project Totals by Task</b>	<b>374</b>									374									
Project Archaeologist																			
Project Geologist																			
Project Biologist																			
Project Wetlands Ecologist																			
Project Laboratory Director																			
Project Laboratory Technician																			
Sr. Engineering Technician																			
Engineering Technician																			
Jr. Engineering Technician																			
Sr. Structural Engineering Technician																			
Structural Engineering Technician																			
Sr. Permitting Technician																			
Permitting Technician																			
Sr. Survey Technician																			
Survey Technician																			
Jr. Survey Technician																			
Sr. GIS Technician																			
GIS Technician																			
Jr. GIS Technician																			
Sr. Administrative Assistant																			
Administrative Assistant	20	5.3%							20										
Office Manager																			
Controller/Accountant																			
Survey Crew Chief																			
Survey Instrument Man																			
Survey Rodman																			
SUE Crew Manager																			
SUE Technician																			
Drill Rig Crew Manager																			
Drill Rig Technician																			
Sr. Certified Inspector																			
Certified Inspector																			
Jr. Certified Inspector																			
Sr. ROW Specialist																			
ROW Abstractor																			
ROW Appraiser																			
Information Technology Specialist																			
Graphics Designer	23	6.1%							23										

**Non-salary Direct Expense Summary**

Expense Description	Total Units	Total Cost	Task															
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
			PROJECT MANAGEMENT															
			SURVEYS															
			UTILITY COORDINATION															
			PRELIMINARY PLAN DESIGN															
			RIGHT-OF-WAY PLAN DESIGN															
			HYDRAULIC & HYDROLOGIC DESIGN															
			PUBLIC INVOLVEMENT AND MEETINGS															
			GEOTECH. INVEST. / PAVEMENT DESIGN															
			FINAL CONSTRUCTION PLANS															
			LANDSCAPING/LIGHTING PLANS															
			CONSTRUCTION BID PHASE SERVICES															
			PERMITTING															
			RIGHT-OF-WAY ACQUISITION PHASE SERVICES															
			SUBSURFACE UTILITY ENGINEERING (SUE)															
			CONSTRUCTION PHASE SERVICES															
			TRAFFIC SIGNAL PLANS															
Per Diem, with Overnight Stay	11 days	\$ 671.00								X								
Per Diem, without Overnight Stay	2 days	\$ 91.50								X								
Lodging	11 nights	\$ 1,276.00								X								
Mileage	1320 miles	\$ 759.00								X								
Shipping, Standard	shipments	\$ -																
Shipping, Overnight	shipments	\$ -																
Preliminary Geo Field and Lab Directs	1 each	\$ 778.00								X								
Final Geo Field and Lab Directs	1 each	\$ 24,313.50								X								
		\$ -																
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Preliminary Geotechnical Investigation		\$ -																
Final Geotechnical Investigation		\$ -																
<b>Total Non-salary Direct Expenses</b>		\$ 27,889.00																



**Task 08: GEOTECH. INVEST. / PAVEMENT DESIGN**

*Manhours*

Staff Classification	Principal	Project Manager	Sr. Geotechnical Engineer	Geotechnical Engineer	Jr. Geotechnical Engineer/EIT	Administrative Assistant	Graphics Designer				Manhour Totals
Manhour Totals by Classification	10	36	48	75	162	20	23				<b>374</b>
Sub-task											
8.A Mayfair Court											
8.A.1 Preliminary Subsurface Exploration		1	1	2	4		1				9 2.4%
8.A.2 Preliminary Geotechnical Engineering Report	1	2	2	2	4	2	1				14 3.7%
8.A.3 Final Subsurface Exploration		1	1	2	4		1				9 2.4%
8.A.4 Final Geotechnical Engineering Report	1	2	4	8	4	2	1				22 5.9%
8.B Meadowbrook Drive											
8.B.1 Preliminary Subsurface Exploration		1	1	2	4		1				9 2.4%
8.B.2 Preliminary Geotechnical Engineering Report	1	2	2	2	4	2	1				14 3.7%
8.B.3 Final Subsurface Exploration		1	1	2	4		1				9 2.4%
8.B.4 Final Geotechnical Engineering Report	1	2	4	8	4	2	1				22 5.9%
8.C Hazel Farm Road / Gay Drive											
8.C.1 Preliminary Subsurface Exploration		2	1	2	6		1				12 3.2%
8.C.2 Preliminary Geotechnical Engineering Report	1	2	2	3	6	2	1				17 4.5%
8.C.3 Final Subsurface Exploration		2	2	3	18		1				26 7.0%
8.C.4 Final Geotechnical Engineering Report	1	2	6	8	16	2	2				37 9.9%
8.D Lady's Island Middle School Access											
8.D.1 Preliminary Subsurface Exploration		2	1	2	6		1				12 3.2%
8.D.2 Preliminary Geotechnical Engineering Report	1	2	2	3	6	2	1				17 4.5%
8.D.3 Final Subsurface Exploration		2	1	2	12		1				18 4.8%
8.D.4 Final Geotechnical Engineering Report	1	2	6	8	12	2	2				33 8.8%
8.E Sunset Boulevard / Miller Drive W.											
8.E.1 Preliminary Subsurface Exploration		2	1	2	6		1				12 3.2%
8.E.2 Preliminary Geotechnical Engineering Report	1	2	2	3	6	2	1				17 4.5%
8.E.3 Final Subsurface Exploration		2	2	3	20		1				28 7.5%
8.E.4 Final Geotechnical Engineering Report	1	2	6	8	16	2	2				37 9.9%

**Task 08: GEOTECH. INVEST. / PAVEMENT DESIGN**

**Task Notes**

General Task Notes

Sub-task	Manhour Totals	Notes
8.A Mayfair Court		
8.A.1 Preliminary Subsurface Exploration	9	
8.A.2 Preliminary Geotechnical Engineering Report	14	
8.A.3 Final Subsurface Exploration	9	
8.A.4 Final Geotechnical Engineering Report	22	
8.B Meadowbrook Drive		
8.B.1 Preliminary Subsurface Exploration	9	
8.B.2 Preliminary Geotechnical Engineering Report	14	
8.B.3 Final Subsurface Exploration	9	
8.B.4 Final Geotechnical Engineering Report	22	
8.C Hazel Farm Road / Gay Drive		
8.C.1 Preliminary Subsurface Exploration	12	
8.C.2 Preliminary Geotechnical Engineering Report	17	
8.C.3 Final Subsurface Exploration	26	
8.C.4 Final Geotechnical Engineering Report	37	
8.D Lady's Island Middle School Access		
8.D.1 Preliminary Subsurface Exploration	12	
8.D.2 Preliminary Geotechnical Engineering Report	17	
8.D.3 Final Subsurface Exploration	18	
8.D.4 Final Geotechnical Engineering Report	33	
8.E Sunset Boulevard / Miller Drive W.		
8.E.1 Preliminary Subsurface Exploration	12	
8.E.2 Preliminary Geotechnical Engineering Report	17	
8.E.3 Final Subsurface Exploration	28	
8.E.4 Final Geotechnical Engineering Report	37	



Project ID:  
 County: SELECT  
 Lady's Island



Date Prep.: 12/1/2020  
 Prepared By: ADG  
 Org: S&ME

### ON-CALL GEOTECHNICAL COST ESTIMATE

Type Work (FIELD)	Procedure	Procedure Description	Pay Unit	Quantity	Unit Rates	Total Cost
Mobilization						
a. Truck/Trailer Drill Rig and Crew			\$ per mile			\$0.00
b. Track/Rubber-Tire ATV Drill Rig and Crew; and barge mobilized over land			\$ per mile			\$0.00
c. Barge mobilized over water			\$ per hour			\$0.00
Use of All-terrain Vehicle			\$ per day			\$0.00
Use of Swamp/Marsh Buggy			\$ per day			\$0.00
Crane			\$ per hour			\$0.00
Barge						
a. small			\$ per day			\$0.00
b. large			\$ per day			\$0.00
Difficult Moving/ Standby/ Expendables			\$ per hour			\$0.00
Private Utility Locating			\$ per hour			\$0.00
Traffic Control						
a. Shoulder work > 15 ft.			\$ per day			\$0.00
b. Shoulder work 1-15 ft.			\$ per day			\$0.00
c. Lane Closure			\$ per day			\$0.00
d. Freeway/Expressway Shoulder Closure			\$ per day			\$0.00
e. Freeway/Expressway Lane Closure			\$ per day			\$0.00
Light Plant			\$ per day			\$0.00
Bridge Deck Coring			\$ per hole			\$0.00
Pavement Coring			\$ per hole			\$0.00
Survey Crew and Equipment			\$ per hour			\$0.00
Hand Clearing			\$ per hour			\$0.00
Mechanized Clearing			\$ per hour			\$0.00
Auger Probes or Wash Borings			\$ per foot			\$0.00
Soil Test Borings on Land with Standard Penetration Testing (SPT-N)	AASHTO T206, AASHTO T306 (ASTM D1586, ASTM D6151, ASTM D4633)	Standard Method of Test for Penetration Test & Split Barrel Sampling of Soils				
a. Borings from ground surface to a depth of 150 feet			\$ per foot			\$0.00
b. Borings from 150 feet to 250 feet			\$ per foot			\$0.00
c. Borings from 250 feet to 550 feet	ASTM D2113	Triple-Tube Soil Coring				\$0.00
Soil Test Borings Over Water with Standard Penetration Testing (SPT-N)	AASHTO T206 (ASTM D1586, ASTM D4633)	Standard Method of Test for Penetration Test & Split Barrel Sampling of Soils	\$ per foot			\$0.00

Standard Penetration Tests (Additional)	AASHTO T206 (ASTM D1586)	Standard Method of Test for Penetration Test & Split Barrel Sampling of Soils	\$ per test			\$0.00
Piezocene Penetration Test (CPTu)	ASTM D 5778	Standard Test Method for Electronic Friction Cone and Piezocene Penetration Testing of Soils	\$ per foot			\$0.00
CPTu Seismic Test	ASTM D 7400	Standard Test Methods for Downhole Seismic Testing	\$ per test			\$0.00
CPTu Pore Pressure Dissipation Test			\$ per hour			\$0.00
Field Vane Shear Tests	AASHTO T223 (ASTM D2573)	Standard Method of Test for Field Vane Shear Test in Cohesive Soil	\$ per test			\$0.00
Flat Plate Dilatometer Testing	ASTM D6635	Standard Test Method for Performing the Flat Plate Dilatometer	\$ per foot			\$0.00
Double-Ring Infiltrometer Test	ASTM D 3385	Standard Test Method for Infiltration Rate of Soils in Field Using Double-Ring Infiltrometer	\$ per test			\$0.00
Manual (Hand) Auger Borings			\$ per hour			\$0.00
Dynamic Cone Penetrometer Tests	Sowers & Hedges, 1966 (ASTM D6951)	Standard Test Method for Use of the Dynamic Cone Penetrometer in Shallow Pavement Applications	\$ per hour			\$0.00
Disturbed (Bulk) Soil Samples			\$ per sample			\$0.00
Test Pits			\$ per hour			\$0.00
Undisturbed (Shelby Tube) Soil Sampling						
a. 3" tube (Fixed Head Sampler)	AASHTO T207 (ASTM D1587)	Standard Method of Test for Thin Walled Tube Sampling of Soils	\$ per attempted sample			\$0.00
b. 3" tube (Alternative Sampler)	AASHTO T207 (ASTM D1587, ASTM D6519)	Standard Method of Test for Thin Walled Tube Sampling of Soils	\$ per attempted sample			\$0.00
Rock Coring						
a. Rock Coring from ground surface to a depth of 150 feet	AASHTO T225 (ASTM D2113)	Standard Method of Test for Diamond Core Drilling for Site Investigation	\$ per foot			\$0.00
b. Rock Coring from 150 feet to 500 feet	AASHTO T225 (ASTM D2113)	Standard Method of Test for Diamond Core Drilling for Site Investigation	\$ per foot			\$0.00
c. Rock Coring from ground surface to a depth of 150 feet for seismic downhole testing	AASHTO T225 (ASTM D2113)	Standard Method of Test for Diamond Core Drilling for Site Investigation	\$ per foot			\$0.00
Casing						
a. 4" PVC			\$ per foot			\$0.00
b. 4" Steel			\$ per foot			\$0.00
Grout Seal of Test Holes (SPT, CPT, DMT, auger/wash borings, geophysical holes, rock core holes)			\$ per foot			\$0.00
Geophysical Testing						
Geophysical Testing Setup			\$ per test location			\$0.00

Geophysical Testing using Downhole Methods	ASTM D7400	Standard Test Methods for Downhole Seismic Testing	\$ per test interval			\$0.00
Geophysical Testing using Spectral Analysis of Surface Waves/Multi-channel Analysis of Surface Waves/Refraction Microtremor			\$ per test			
Geophysical Testing using Seismic Refraction Methods	ASTM D5777	Standard Guide for Using the Seismic Refraction Method for Subsurface Investigation	\$ per test			
Geophysical Testing using Electric Resistivity (Corrosivity Testing)	ASTM G57	Standard Test Method for Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method	\$ per test			\$0.00
Geophysical Testing using Suspension Logging methods	ASTM D5753	Standard Guide for Planning and Conducting Borehole Geophysical Logging				\$0.00
Specialized Geophysical Testing (Seismic Reflection, Crosshole Shear Wave Velocity Method, Electrical Resistivity Tomography (ERT) or Electrical Resistivity Imaging (ERI), Gamma/Spontaneous Potential, Ground Penetrating Radar, Optical/Acoustic Televiewer, etc.)	AASHTO/ASTM	Applicable AASHTO or ASTM procedure and manufacturer's instruction for equipment in use.				\$0.00
Installation and Monitoring of geotech. Instr. (inclinometers, piezometers, settlement plates, vibration monitoring, etc.)	AASHTO/ASTM	Applicable AASHTO or ASTM procedure and manufacturer's instruction for equipment in use.				

**SUBTOTAL = \$0.00**  
**% of TOTAL = 0.00**

Type Work (LAB)	Procedure	Procedure Description	Pay Unit	Quantity	Unit Rates	Total Cost
UD Preparation			\$ each			\$0.00
Moisture Content	AASHTO T265 (ASTM D2216)	Standard Method of Test for Laboratory Determination of Moisture Content of Soils	\$ each	4	\$14.00	\$56.00
Atterberg Limits	AASHTO T89 AASHTO T90 (ASTM D4318)	Standard Method of Test for Determining the Liquid Limit of Soils And Determining the Plastic Limit and Plasticity Index of Soils	\$ each	4	\$87.00	\$348.00
Shrinkage Limits	AASHTO T92 (ASTM D4933)	Standard Method of test for Determining the Shrinkage Factors of Soils	\$ each			\$0.00
Swell Test	AASHTO T258	Standard Method of Test for Determining Expansive Soils	\$ each			\$0.00
Grain Size Analysis						
a. Wash 200	AASHTO T11 (ASTM D1140)	Standard Method of Test for Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	\$ each			\$0.00
b. Grain Size	ASTM D6913	Standard Method of Test for Particle Size Analysis of Soils	\$ each	4	\$93.50	\$374.00
c. Hydrometer and Grain Size	ASTM D7928 & ASTM D6913	Standard Test Method for Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis and Standard Method of Test for Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	\$ each			\$0.00
d. Elutriation	SC T-34	Mechanical Analysis of Soils (Elutriation Method)	\$ each			\$0.00
Percentage of Fractured Particles in Coarse Aggregates	ASTM D5821	Standard Test Method for Determining the Percentage of Fractured Particles in Coarse Aggregates	\$ per bulk sample			\$0.00
Specific Gravity	AASHTO T100 (ASTM D854)	Standard Method of Test for Specific Gravity of Soils	\$ each			\$0.00
Unit Weight						
a. Standard Proctor	AASHTO T99 (ASTM D698)	Standard Method of Test for Moisture-Density Relations of Soils Using a 5.5 lb. Rammer and a 12-in. Drop	\$ each			\$0.00
b. Modified Proctor	AASHTO T180 (ASTM D1557)	Standard Method of Test for Moisture-Density Relations of Soils Using a 10 lb. Rammer and an 18-in. Drop	\$ each			\$0.00
c. Maximum Index Density and Unit Weight of Soils	ASTM D4253	Standard Method of Test for Maximum Index Density and Unit Weight of Soils Using a Vibratory Table	\$ each			\$0.00

d. Minimum Index Density and Unit Weight of Soils	ASTM D4254	Standard Method of Test for Minimum Index Density and Unit Weight of Soils Using and Calculation of Relative Density	\$ each			\$0.00
California Bearing Ratio	AASHTO T193 (ASTM D1883)	Standard Method of Test for The California Bearing Ratio	\$ each			\$0.00
Unconfined Compressive Strength of Cohesive Soil	AASHTO T208 (ASTM D2166)	Standard Method of Test for Unconfined Compressive Strength of Cohesive Soil	\$ each			\$0.00
Compressive Strength of Rock Cores	ASTM D7012	Standard Test for Compressive Strength and Elastic Moduli of Intact Rock Core Specimens under Varying States of Stress and Temperatures	\$ each			\$0.00
LA Abrasion						
a. Small-Size Coarse Aggregate	ASTM C131	Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Low Angeles Machine	\$ each			\$0.00
b. Large-Size Coarse Aggregate	ASTM C535	Standard Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Low Angeles Machine	\$ each			\$0.00
Soundness of Aggregates	ASTM C88	Standard Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	\$ each			\$0.00
Permeability Test						
a. Constant Head	AASHTO T215	Standard Method of Test for Permeability of Granular Soils (Constant Head)	\$ each			\$0.00
b. Falling Head	ASTM D5856	Standard Test Method for Measurement of Hydraulic Conductivity of Porous Material Using a Rigid-wall, Compaction-mold Permeameter	\$ each			\$0.00
c. Flexible Wall	ASTM D5084	Standard Test Method for Measurement of Hydraulic Conductivity of Saturated Porous Material Using a Flexible Wall Permeameter	\$ each			\$0.00
Ignition Loss	SC T-36	Procedure for Determining % Ignition Loss of Inorganic Soils	\$ each			\$0.00
Triaxial Shear						
a. Unconsolidated Undrained (UU)	AASHTO T296 (ASTM D2850)	Standard Method of Test for Unconsolidated, Undrained Compression Strength of Cohesive Soils in Triaxial Compression	\$ each			\$0.00
b. Consolidated Undrained with pore pressure measurement (CU w/pp)	AASHTO T297 (ASTM D4767)	Standard Method of Test for Consolidated, Undrained Triaxial Compression Test on Cohesive Soils	\$ each			\$0.00



c. Consolidated Drained (CD)	ASTM D7181	Standard Test Method for Consolidated Drained Triaxial Compression Test for Soils	\$ each			\$0.00
Resonant Column	ASTM D4015	Standard Test Methods for Modulus and Damping of Soils by Resonant-Column Method	\$ each			\$0.00
Torsional Shear						
a. Drained Residual Shear Strength	ASTM D6467	Standard Test Method for Torsional Ring Shear Test to Determine Drained Residual Shear Strength of Cohesive Soils	\$ each			\$0.00
b. Drained Fully Softened Shear Strength	ASTM D7608	Standard Test Method for Torsional Ring Shear Test to Determine Drained Fully Softened Shear Strength and Nonlinear Strength Envelop of Cohesive Soils (using normally consolidated specimen) for Slopes with No Preexisting Shear Surface	\$ each			\$0.00
Direct Shear	AASHTO T236 (ASTM D3080)	Standard Method of Test for Direct Shear Test of Soils Under Consolidated Drained Conditions	\$ each			\$0.00
Consolidation						
a. Consolidation Test (16 load increments)	AASHTO T216 (ASTM D 2435)	Standard Method of Test for One Dimensional Consolidation Properties of Soils	\$ each			\$0.00
b. Additional load increments			\$ each			\$0.00
c. Additional test time			\$ per day			\$0.00
Organic Content	AASHTO T267 (ASTM D2974)	Standard Method of Test for Determination of Organic Content in Soils by Loss on Ignition	\$ each			\$0.00
pH						
a. soil	AASHTO T289 (ASTM G51)	Standard Method of Test for Determining pH of Soil for Use in Corrosion Testing	\$ each			\$0.00
b. water	ASTM D1293	Standard Test Methods for pH of Water	\$ each			\$0.00
Chloride Content						
a. soil	AASHTO T291	Standard Method of Test for Determining Water-Soluble Chloride Ion Content in Soil	\$ each			\$0.00
b. water	ASTM D512	Standard Test Methods for Chloride Ion in Water	\$ each			\$0.00
Sulfate Content						
a. soil	AASHTO T290 (ASTM C1580)	Standard Method of Test for Determining Water-Soluble Sulfate Ion Content in Soil	\$ each			\$0.00
b. water	ASTM D516	Standard Test Methods for Sulfate Ion in Water	\$ each			\$0.00

Resistivity						
a. soil	AASHTO T288	Standard Method of Test for Determining Minimum Laboratory Soil Resistivity	\$ each			\$0.00
b. water	ASTM D1125	Standard Test Methods for Electrical Conductivity and Resistivity of Water	\$ each			\$0.00
Bituminous Mixture Extraction	SC-T-75	Standard Method of Test for Determination of Asphalt Binder Content for Asphalt Paving Mixtures by the Ignition Oven	\$ each			\$0.00
Aggregate Sieve Analysis	SC-T-4	Standard Method of Test for Sieve Analysis of Fine and Coarse Aggregates	\$ each			\$0.00
PLM asbestos Bulk Sample Analysis	EPA 600	Method for the Determination of Asbestos in Bulk Building Materials	\$ each			\$0.00
TEM Asbestos Bulk Sample Analysis	ASTM D 6281	Standard Test Method for Airborne Asbestos Concentration in Ambient and Indoor Atmospheres as Determined by Transmission Electron Microscopy Direct Transfer (TEM)	\$ each			\$0.00
XRF Analysis of Lead	Per SCDHEC Regulatory Requirements	Determining Lead Content	\$ per day			\$0.00
Total Lead Analysis	Per SCDHEC Regulatory Requirements	Determining Lead Content	\$ each			\$0.00

**SUBTOTAL = \$778.00**  
**% of TOTAL = 100.00**

Hourly Rate Schedule			Pay Unit	Quantity	Unit Rates	Total Cost
Senior Principal			\$ per hour			\$0.00
Principal/Project Manager			\$ per hour			\$0.00
Senior Geotechnical Engineer			\$ per hour			\$0.00
Geotechnical Engineer			\$ per hour			\$0.00
Junior Geotechnical Professional			\$ per hour			\$0.00
Project Geologist			\$ per hour			\$0.00
Engineering Technician			\$ per hour			\$0.00
Senior Environmental Specialist			\$ per hour			\$0.00
Environmental Specialist			\$ per hour			\$0.00
Graphics Designer			\$ per hour			\$0.00
Administrative Assistant			\$ per hour			\$0.00
Lodging			\$ per day			\$0.00
Meals			\$ per day			\$0.00
Travel			\$ per mile			\$0.00
Outside Services Associated with Field and Laboratory Work	AASHTO/ASTM	Applicable AASHTO or ASTM procedure and manufacturer's instruction for equipment in use.				\$0.00
<b>SUBTOTAL =</b>						<b>\$0.00</b>
<b>% of TOTAL =</b>						<b>0.00</b>
<b>GRAND TOTAL =</b>						<b>\$778.00</b>

Project ID:  
 County: SELECT  
 Lady's Island



Date Prep.: 12/1/2020  
 Prepared By: ADG  
 Org: S&ME

### ON-CALL GEOTECHNICAL COST ESTIMATE

Type Work (FIELD)	Procedure	Procedure Description	Pay Unit	Quantity	Unit Rates	Total Cost
Mobilization						
a. Truck/Trailer Drill Rig and Crew			\$ per mile	480	\$4.95	\$2,376.00
b. Track/Rubber-Tire ATV Drill Rig and Crew; and barge mobilized over land			\$ per mile			\$0.00
c. Barge mobilized over water			\$ per hour			\$0.00
Use of All-terrain Vehicle			\$ per day			\$0.00
Use of Swamp/Marsh Buggy			\$ per day			\$0.00
Crane			\$ per hour			\$0.00
Barge						
a. small			\$ per day			\$0.00
b. large			\$ per day			\$0.00
Difficult Moving/ Standby/ Expendables			\$ per hour	12	\$240.00	\$2,880.00
Private Utility Locating			\$ per hour			\$0.00
Traffic Control						
a. Shoulder work > 15 ft.			\$ per day			\$0.00
b. Shoulder work 1-15 ft.			\$ per day			\$0.00
c. Lane Closure			\$ per day	3	\$2,000.00	\$6,000.00
d. Freeway/Expressway Shoulder Closure			\$ per day			\$0.00
e. Freeway/Expressway Lane Closure			\$ per day			\$0.00
Light Plant			\$ per day			\$0.00
Bridge Deck Coring			\$ per hole			\$0.00
Pavement Coring			\$ per hole	8	\$165.00	\$1,320.00
Survey Crew and Equipment			\$ per hour			\$0.00
Hand Clearing			\$ per hour			\$0.00
Mechanized Clearing			\$ per hour			\$0.00
Auger Probes or Wash Borings			\$ per foot			\$0.00
Soil Test Borings on Land with Standard Penetration Testing (SPT-N)	AASHTO T206, AASHTO T306 (ASTM D1586, ASTM D6151, ASTM D4633)	Standard Method of Test for Penetration Test & Split Barrel Sampling of Soils				
a. Borings from ground surface to a depth of 150 feet			\$ per foot	175	\$19.50	\$3,412.50
b. Borings from 150 feet to 250 feet			\$ per foot			\$0.00
c. Borings from 250 feet to 550 feet	ASTM D2113	Triple-Tube Soil Coring				\$0.00
Soil Test Borings Over Water with Standard Penetration Testing (SPT-N)	AASHTO T206 (ASTM D1586, ASTM D4633)	Standard Method of Test for Penetration Test & Split Barrel Sampling of Soils	\$ per foot			\$0.00

Standard Penetration Tests (Additional)	AASHTO T206 (ASTM D1586)	Standard Method of Test for Penetration Test & Split Barrel Sampling of Soils	\$ per test			\$0.00
Piezocene Penetration Test (CPTu)	ASTM D 5778	Standard Test Method for Electronic Friction Cone and Piezocene Penetration Testing of Soils	\$ per foot			\$0.00
CPTu Seismic Test	ASTM D 7400	Standard Test Methods for Downhole Seismic Testing	\$ per test			\$0.00
CPTu Pore Pressure Dissipation Test			\$ per hour			\$0.00
Field Vane Shear Tests	AASHTO T223 (ASTM D2573)	Standard Method of Test for Field Vane Shear Test in Cohesive Soil	\$ per test			\$0.00
Flat Plate Dilatometer Testing	ASTM D6635	Standard Test Method for Performing the Flat Plate Dilatometer	\$ per foot			\$0.00
Double-Ring Infiltrometer Test	ASTM D 3385	Standard Test Method for Infiltration Rate of Soils in Field Using Double-Ring Infiltrometer	\$ per test			\$0.00
Manual (Hand) Auger Borings			\$ per hour			\$0.00
Dynamic Cone Penetrometer Tests	Sowers & Hedges, 1966 (ASTM D6951)	Standard Test Method for Use of the Dynamic Cone Penetrometer in Shallow Pavement Applications	\$ per hour			\$0.00
Disturbed (Bulk) Soil Samples			\$ per sample	5	\$65.00	\$325.00
Test Pits			\$ per hour			\$0.00
Undisturbed (Shelby Tube) Soil Sampling						
a. 3" tube (Fixed Head Sampler)	AASHTO T207 (ASTM D1587)	Standard Method of Test for Thin Walled Tube Sampling of Soils	\$ per attempted sample			\$0.00
b. 3" tube (Alternative Sampler)	AASHTO T207 (ASTM D1587, ASTM D6519)	Standard Method of Test for Thin Walled Tube Sampling of Soils	\$ per attempted sample			\$0.00
Rock Coring						
a. Rock Coring from ground surface to a depth of 150 feet	AASHTO T225 (ASTM D2113)	Standard Method of Test for Diamond Core Drilling for Site Investigation	\$ per foot			\$0.00
b. Rock Coring from 150 feet to 500 feet	AASHTO T225 (ASTM D2113)	Standard Method of Test for Diamond Core Drilling for Site Investigation	\$ per foot			\$0.00
c. Rock Coring from ground surface to a depth of 150 feet for seismic downhole testing	AASHTO T225 (ASTM D2113)	Standard Method of Test for Diamond Core Drilling for Site Investigation	\$ per foot			\$0.00
Casing						
a. 4" PVC			\$ per foot			\$0.00
b. 4" Steel			\$ per foot			\$0.00
Grout Seal of Test Holes (SPT, CPT, DMT, auger/wash borings, geophysical holes, rock core holes)			\$ per foot			\$0.00
Geophysical Testing						
Geophysical Testing Setup			\$ per test location			\$0.00

Geophysical Testing using Downhole Methods	ASTM D7400	Standard Test Methods for Downhole Seismic Testing	\$ per test interval			\$0.00
Geophysical Testing using Spectral Analysis of Surface Waves/Multi-channel Analysis of Surface Waves/Refraction Microtremor			\$ per test			
Geophysical Testing using Seismic Refraction Methods	ASTM D5777	Standard Guide for Using the Seismic Refraction Method for Subsurface Investigation	\$ per test			
Geophysical Testing using Electric Resistivity (Corrosivity Testing)	ASTM G57	Standard Test Method for Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method	\$ per test			\$0.00
Geophysical Testing using Suspension Logging methods	ASTM D5753	Standard Guide for Planning and Conducting Borehole Geophysical Logging				\$0.00
Specialized Geophysical Testing (Seismic Reflection, Crosshole Shear Wave Velocity Method, Electrical Resistivity Tomography (ERT) or Electrical Resistivity Imaging (ERI), Gamma/Spontaneous Potential, Ground Penetrating Radar, Optical/Acoustic Televiewer, etc.)	AASHTO/ASTM	Applicable AASHTO or ASTM procedure and manufacturer's instruction for equipment in use.				\$0.00
Installation and Monitoring of geotech. Instr. (inclinometers, piezometers, settlement plates, vibration monitoring, etc.)	AASHTO/ASTM	Applicable AASHTO or ASTM procedure and manufacturer's instruction for equipment in use.				

**SUBTOTAL = \$16,313.50**  
**% of TOTAL = 203.92**

Type Work (LAB)	Procedure	Procedure Description	Pay Unit	Quantity	Unit Rates	Total Cost
UD Preparation			\$ each			\$0.00
Moisture Content	AASHTO T265 (ASTM D2216)	Standard Method of Test for Laboratory Determination of Moisture Content of Soils	\$ each	20	\$14.00	\$280.00
Atterberg Limits	AASHTO T89 AASHTO T90 (ASTM D4318)	Standard Method of Test for Determining the Liquid Limit of Soils And Determining the Plastic Limit and Plasticity Index of Soils	\$ each	20	\$87.00	\$1,740.00
Shrinkage Limits	AASHTO T92 (ASTM D4933)	Standard Method of test for Determining the Shrinkage Factors of Soils	\$ each			\$0.00
Swell Test	AASHTO T258	Standard Method of Test for Determining Expansive Soils	\$ each			\$0.00
Grain Size Analysis						
a. Wash 200	AASHTO T11 (ASTM D1140)	Standard Method of Test for Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	\$ each			\$0.00
b. Grain Size	ASTM D6913	Standard Method of Test for Particle Size Analysis of Soils	\$ each	20	\$93.50	\$1,870.00
c. Hydrometer and Grain Size	ASTM D7928 & ASTM D6913	Standard Test Method for Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis and Standard Method of Test for Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	\$ each			\$0.00
d. Elutriation	SC T-34	Mechanical Analysis of Soils (Elutriation Method)	\$ each			\$0.00
Percentage of Fractured Particles in Coarse Aggregates	ASTM D5821	Standard Test Method for Determining the Percentage of Fractured Particles in Coarse Aggregates	\$ per bulk sample			\$0.00
Specific Gravity	AASHTO T100 (ASTM D854)	Standard Method of Test for Specific Gravity of Soils	\$ each			\$0.00
Unit Weight						
a. Standard Proctor	AASHTO T99 (ASTM D698)	Standard Method of Test for Moisture-Density Relations of Soils Using a 5.5 lb. Rammer and a 12-in. Drop	\$ each	6	\$140.00	\$840.00
b. Modified Proctor	AASHTO T180 (ASTM D1557)	Standard Method of Test for Moisture-Density Relations of Soils Using a 10 lb. Rammer and an 18-in. Drop	\$ each			\$0.00
c. Maximum Index Density and Unit Weight of Soils	ASTM D4253	Standard Method of Test for Maximum Index Density and Unit Weight of Soils Using a Vibratory Table	\$ each			\$0.00

d. Minimum Index Density and Unit Weight of Soils	ASTM D4254	Standard Method of Test for Minimum Index Density and Unit Weight of Soils Using and Calculation of Relative Density	\$ each			\$0.00
California Bearing Ratio	AASHTO T193 (ASTM D1883)	Standard Method of Test for The California Bearing Ratio	\$ each	6	\$545.00	\$3,270.00
Unconfined Compressive Strength of Cohesive Soil	AASHTO T208 (ASTM D2166)	Standard Method of Test for Unconfined Compressive Strength of Cohesive Soil	\$ each			\$0.00
Compressive Strength of Rock Cores	ASTM D7012	Standard Test for Compressive Strength and Elastic Moduli of Intact Rock Core Specimens under Varying States of Stress and Temperatures	\$ each			\$0.00
LA Abrasion						
a. Small-Size Coarse Aggregate	ASTM C131	Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Low Angeles Machine	\$ each			\$0.00
b. Large-Size Coarse Aggregate	ASTM C535	Standard Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Low Angeles Machine	\$ each			\$0.00
Soundness of Aggregates	ASTM C88	Standard Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	\$ each			\$0.00
Permeability Test						
a. Constant Head	AASHTO T215	Standard Method of Test for Permeability of Granular Soils (Constant Head)	\$ each			\$0.00
b. Falling Head	ASTM D5856	Standard Test Method for Measurement of Hydraulic Conductivity of Porous Material Using a Rigid-wall, Compaction-mold Permeameter	\$ each			\$0.00
c. Flexible Wall	ASTM D5084	Standard Test Method for Measurement of Hydraulic Conductivity of Saturated Porous Material Using a Flexible Wall Permeameter	\$ each			\$0.00
Ignition Loss	SC T-36	Procedure for Determining % Ignition Loss of Inorganic Soils	\$ each			\$0.00
Triaxial Shear						
a. Unconsolidated Undrained (UU)	AASHTO T296 (ASTM D2850)	Standard Method of Test for Unconsolidated, Undrained Compression Strength of Cohesive Soils in Triaxial Compression	\$ each			\$0.00
b. Consolidated Undrained with pore pressure measurement (CU w/pp)	AASHTO T297 (ASTM D4767)	Standard Method of Test for Consolidated, Undrained Triaxial Compression Test on Cohesive Soils	\$ each			\$0.00

c. Consolidated Drained (CD)	ASTM D7181	Standard Test Method for Consolidated Drained Triaxial Compression Test for Soils	\$ each			\$0.00
Resonant Column	ASTM D4015	Standard Test Methods for Modulus and Damping of Soils by Resonant-Column Method	\$ each			\$0.00
Torsional Shear						
a. Drained Residual Shear Strength	ASTM D6467	Standard Test Method for Torsional Ring Shear Test to Determine Drained Residual Shear Strength of Cohesive Soils	\$ each			\$0.00
b. Drained Fully Softened Shear Strength	ASTM D7608	Standard Test Method for Torsional Ring Shear Test to Determine Drained Fully Softened Shear Strength and Nonlinear Strength Envelop of Cohesive Soils (using normally consolidated specimen) for Slopes with No Preexisting Shear Surface	\$ each			\$0.00
Direct Shear	AASHTO T236 (ASTM D3080)	Standard Method of Test for Direct Shear Test of Soils Under Consolidated Drained Conditions	\$ each			\$0.00
Consolidation						
a. Consolidation Test (16 load increments)	AASHTO T216 (ASTM D 2435)	Standard Method of Test for One Dimensional Consolidation Properties of Soils	\$ each			\$0.00
b. Additional load increments			\$ each			\$0.00
c. Additional test time			\$ per day			\$0.00
Organic Content	AASHTO T267 (ASTM D2974)	Standard Method of Test for Determination of Organic Content in Soils by Loss on Ignition	\$ each			\$0.00
pH						
a. soil	AASHTO T289 (ASTM G51)	Standard Method of Test for Determining pH of Soil for Use in Corrosion Testing	\$ each			\$0.00
b. water	ASTM D1293	Standard Test Methods for pH of Water	\$ each			\$0.00
Chloride Content						
a. soil	AASHTO T291	Standard Method of Test for Determining Water-Soluble Chloride Ion Content in Soil	\$ each			\$0.00
b. water	ASTM D512	Standard Test Methods for Chloride Ion in Water	\$ each			\$0.00
Sulfate Content						
a. soil	AASHTO T290 (ASTM C1580)	Standard Method of Test for Determining Water-Soluble Sulfate Ion Content in Soil	\$ each			\$0.00
b. water	ASTM D516	Standard Test Methods for Sulfate Ion in Water	\$ each			\$0.00



Resistivity						
a. soil	AASHTO T288	Standard Method of Test for Determining Minimum Laboratory Soil Resistivity	\$ each			\$0.00
b. water	ASTM D1125	Standard Test Methods for Electrical Conductivity and Resistivity of Water	\$ each			\$0.00
Bituminous Mixture Extraction	SC-T-75	Standard Method of Test for Determination of Asphalt Binder Content for Asphalt Paving Mixtures by the Ignition Oven	\$ each			\$0.00
Aggregate Sieve Analysis	SC-T-4	Standard Method of Test for Sieve Analysis of Fine and Coarse Aggregates	\$ each			\$0.00
PLM asbestos Bulk Sample Analysis	EPA 600	Method for the Determination of Asbestos in Bulk Building Materials	\$ each			\$0.00
TEM Asbestos Bulk Sample Analysis	ASTM D 6281	Standard Test Method for Airborne Asbestos Concentration in Ambient and Indoor Atmospheres as Determined by Transmission Electron Microscopy Direct Transfer (TEM)	\$ each			\$0.00
XRF Analysis of Lead	Per SCDHEC Regulatory Requirements	Determining Lead Content	\$ per day			\$0.00
Total Lead Analysis	Per SCDHEC Regulatory Requirements	Determining Lead Content	\$ each			\$0.00

**SUBTOTAL = \$8,000.00**  
**% of TOTAL = 100.00**

Hourly Rate Schedule			Pay Unit	Quantity	Unit Rates	Total Cost
Senior Principal			\$ per hour			\$0.00
Principal/Project Manager			\$ per hour			\$0.00
Senior Geotechnical Engineer			\$ per hour			\$0.00
Geotechnical Engineer			\$ per hour			\$0.00
Junior Geotechnical Professional			\$ per hour			\$0.00
Project Geologist			\$ per hour			\$0.00
Engineering Technician			\$ per hour			\$0.00
Senior Environmental Specialist			\$ per hour			\$0.00
Environmental Specialist			\$ per hour			\$0.00
Graphics Designer			\$ per hour			\$0.00
Administrative Assistant			\$ per hour			\$0.00
Lodging			\$ per day			\$0.00
Meals			\$ per day			\$0.00
Travel			\$ per mile			\$0.00
Outside Services Associated with Field and Laboratory Work	AASHTO/ASTM	Applicable AASHTO or ASTM procedure and manufacturer's instruction for equipment in use.				\$0.00
<b>SUBTOTAL =</b>						<b>\$0.00</b>
<b>% of TOTAL =</b>						<b>0.00</b>
<b>GRAND TOTAL =</b>						<b>\$8,000.00</b>

# **Lady's Island Access Road Project**

## **Fee Proposal**

**SEPI Inc**

**DAVIS & FLOYD**

SINCE 1954

## Manhour and Fee Estimate Overview

MFE Version 2.46

**Project Information**

Project Name	Lady's Island Access Roads
Project Phase or Segment	
Project Location	Beaufort County
CM Number/Descriptor	
Contract Designation	

**Labor Multipliers**

Overhead Rate	155.95%	<i>a</i>
FCCM Rate	0.99%	<i>b</i>
Profit Rate	10.00%	<i>c</i>
Combined Multiplier	2.8254	$(1+a)*(1+c)+b$

**Consultant Information**

Firm Name	SEPI
Certified DBE ?	No
Prepared by	
Effective Date	
Estimate Type	Subconsultant

**Task Identification**

Active	Number	Description
✓	01	PROJECT MANAGEMENT
	02	SURVEYS
	03	UTILITY COORDINATION
	04	PRELIMINARY PLAN DESIGN
	05	RIGHT-OF-WAY PLAN DESIGN
	06	HYDRAULIC & HYDROLOGIC DESIGN
✓	07	PUBLIC INVOLVEMENT AND MEETINGS
	08	GEOTECH. INVEST. / PAVEMENT DESIGN
	09	FINAL CONSTRUCTION PLANS
	10	LANDSCAPING/LIGHTING PLANS
	11	CONSTRUCTION BID PHASE SERVICES
	12	PERMITTING
	13	RIGHT-OF-WAY ACQUISITION PHASE SERVICES
✓	14	SUBSURFACE UTILITY ENGINEERING (SUE)
✓	15	CONSTRUCTION PHASE SERVICES
	16	TRAFFIC SIGNAL PLANS
	17	
	18	
	19	
	20	

**Subconsultant Roster**

Subconsultant	Certified DBE ?
SEPI, Inc.	

**Geotechnical Testing Direct Expenses**

Assigned to :	
Testing Direct Expenses, Worksheet 1	-
Testing Direct Expenses, Worksheet 2	-
Testing Direct Expenses, Worksheet 3	-



**Subconsultant Fee Summary**

**Subconsultant Fees Broken Down by Task**

Task	<i>SEPI, Inc.</i>															Total		
01	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
02	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
03	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
04	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
05	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
06	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
07	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
08	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
09	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
10	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
11	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
12	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
13	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
14	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
15	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
16	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
17	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
18	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
19	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
20	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Totals	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

(G)

<b>Fee Breakdown by Firm</b>		
SEPI	\$	74,249.40 100.0%
	\$	-
	\$	-
	\$	-
SEPI, Inc.	\$	-
	\$	-
	\$	-
	\$	-
	\$	-
	\$	-
	\$	-
	\$	-
Project Totals	\$	74,249.40



**Project Manhour Summary**

Staff Classification	Task															
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
	PROJECT MANAGEMENT	SURVEYS	UTILITY COORDINATION	PRELIMINARY PLAN DESIGN	RIGHT-OF-WAY PLAN DESIGN	HYDRAULIC & HYDROLOGIC DESIGN	PUBLIC INVOLVEMENT AND MEETINGS	GEOTECH. INVEST. / PAVEMENT DESIGN	FINAL CONSTRUCTION PLANS	LANDSCAPING/LIGHTING PLANS	CONSTRUCTION BID PHASE SERVICES	PERMITTING	RIGHT-OF-WAY ACQUISITION PHASE SERVICES	SUBSURFACE UTILITY ENGINEERING (SUE)	CONSTRUCTION PHASE SERVICES	TRAFFIC SIGNAL PLANS
<b>Project Manhour Totals by Classification</b>	Percentage of Total Hours															
<b>Project Totals by Task</b>	<b>277</b>															
	128						54								95	
Project Archaeologist																
Project Geologist																
Project Biologist																
Project Wetlands Ecologist																
Project Laboratory Director																
Project Laboratory Technician																
Sr. Engineering Technician																
Engineering Technician																
Jr. Engineering Technician																
Sr. Structural Engineering Technician																
Structural Engineering Technician																
Sr. Permitting Technician																
Permitting Technician																
Sr. Survey Technician																
Survey Technician																
Jr. Survey Technician																
Sr. GIS Technician																
GIS Technician																
Jr. GIS Technician																
Sr. Administrative Assistant																
Administrative Assistant	12	4.3%	12													
Office Manager																
Controller/Accountant																
Survey Crew Chief																
Survey Instrument Man																
Survey Rodman																
SUE Crew Manager																
SUE Technician																
Drill Rig Crew Manager																
Drill Rig Technician																
Sr. Certified Inspector																
Certified Inspector																
Jr. Certified Inspector																
Sr. ROW Specialist																
ROW Abstractor																
ROW Appraiser																
Information Technology Specialist																
Graphics Designer																
Sr. Construction Manager	95	34.3%													95	









**Task 01: PROJECT MANAGEMENT**

***Fee Determination for Labor***

Staff Classification	Hours	Rate	Direct Labor	Overhead	Profit	FCCM	Labor Total
				155.95%	10.00%	0.99%	
Sr. Project Manager	66	\$ 91.35	\$ 6,029.10	\$ 9,402.38	\$ 1,543.15	\$ 59.69	\$ 17,034.32
Sr. Transportation Engineer	10	\$ 69.71	\$ 697.10	\$ 1,087.13	\$ 178.42	\$ 6.90	\$ 1,969.55
Transportation Engineer	20	\$ 52.35	\$ 1,047.00	\$ 1,632.80	\$ 267.98	\$ 10.37	\$ 2,958.15
Hydraulic Engineer	20	\$ 52.55	\$ 1,051.00	\$ 1,639.03	\$ 269.00	\$ 10.40	\$ 2,969.43
Administrative Assistant	12	\$ 24.10	\$ 289.20	\$ 451.01	\$ 74.02	\$ 2.86	\$ 817.09
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Task Totals for Labor</b>	<b>128</b>		<b>\$ 9,113.40</b>	<b>\$ 14,212.35</b>	<b>\$ 2,332.57</b>	<b>\$ 90.22</b>	<b>\$ 25,748.54</b>
			(A)	(B)	(C)	(D)	(E)

***Non-salary Direct Expenses***

Expense Description	Quantity	Units	Unit Cost	Total Cost
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
-			@ \$ -	\$ -
<b>Task Total for Non-salary Direct Expenses</b>			\$ -	\$ -
				(F)

***Subconsultant Involvement***

DBE	Subconsultant	Total Fee for Task	Manhours
		\$ -	
		\$ -	
		\$ -	
	SEPI, Inc.	\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
<b>Task Totals for Subconsultant Involvement</b>		\$ -	
			(G)

**Fee Summary for Task**

<b>A</b>	<b>Direct Labor</b>	<b>\$ 9,113.40</b>
<b>B</b>	<b>Overhead [A x 1.5595]</b>	<b>\$ 14,212.35</b>
<b>C</b>	<b>Profit [(A+B) x 0.1]</b>	<b>\$ 2,332.57</b>
<b>D</b>	<b>FCCM [A x 0.0099]</b>	<b>\$ 90.22</b>
<b>E Labor Total</b>		<b>\$ 25,748.54</b>
<b>F</b>	<b>Non-salary Direct Expenses</b>	<b>\$ -</b>
<b>G</b>	<b>Subconsultant Fees</b>	<b>\$ -</b>
<b>Task Total</b>		<b>\$ 25,748.54</b>

**\$25,748.54**

**Task 07: PUBLIC INVOLVEMENT AND MEETINGS**

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*Manhours*

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Staff Classification	Sr. Project Manager	Sr. Environmental Specialist	Transportation Planner							
Manhour Totals by Classification		6	48							
										Manhour Totals
										<b>54</b>

Sub-task

Sub-task	Sr. Project Manager	Sr. Environmental Specialist	Transportation Planner								
7.A Public Information Meeting #1 (0% Design)											
7.A.1 Attend PIM #1 (Content provided by others)											
7.A.2 Debrief Meeting with County Staff			2							2	3.7%
Coordination with County to address public comments		2	8							10	18.5%
7.B Public Meetings - 2 (70% Design)											
7.B.1 Prepare Meeting Exhibits/Handouts											
7.B.2 Conduct Public Information Meeting			6							6	11.1%
7.B.3 Summarize Contents and Review with County Staff		4	16							20	37.0%
7.B.4 Provide Comment Responses			16							16	29.6%

**Task 07: PUBLIC INVOLVEMENT AND MEETINGS**

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**Task Notes**

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General Task Notes

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Sub-task	Manhour Totals	Notes
7.A Public Information Meeting #1 (0% Design)		
7.A.1 Attend PIM #1 (Content provided by others)		Attendance is not Required
7.A.2 Debrief Meeting with County Staff	2	
Coordination with County to address public comments	10	
7.B Public Meetings - 2 (70% Design)		
7.B.1 Prepare Meeting Exhibits/Handouts		
7.B.2 Conduct Public Information Meeting	6	Attendance of 1 person may be required
7.B.3 Summarize Contents and Review with County Staff	20	Assume 10 comments per intersection: 50 comments
7.B.4 Provide Comment Responses	16	Assume 10 comments per intersection: 50 comments









**Task 14: SUBSURFACE UTILITY ENGINEERING (SUE)**

**Fee Determination for Labor**

Staff Classification	Hours	Rate	Direct Labor	Overhead	Profit	FCCM	Labor Total
-		\$ -	\$ -	155.95%	10.00%	0.99%	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
-		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Task Totals for Labor</b>			\$ -	\$ -	\$ -	\$ -	\$ -
			(A)	(B)	(C)	(D)	(E)

**Non-salary Direct Expenses**

Expense Description	Quantity	Units	Unit Cost	Total Cost
Per Diem, without Overnight Stay		days	@ \$ 46.75 per day	\$ -
Per Diem, with Overnight Stay		days	@ \$ 56.00 per day	\$ -
Lodging		nights	@ \$ 115.00 per night	\$ -
Mileage		miles	@ \$ 0.575 per mile	\$ -
SUE Quality Level "C"	2,500	linear feet	@ \$ 0.46 per linear feet	\$ 1,150.00
SUE Quality Level "B" Designating	13,000	linear feet	@ \$ 1.60 per linear feet	\$ 20,800.00
SUE Aerial Utilities/Per Utility Pole	15	eachs	@ \$ 161.14 per each	\$ 2,417.10
SUE Gravity Sewer Manhole	5	eachs	@ \$ 306.00 per each	\$ 1,530.00
SUE Quality Level A Test Hole		eachs	@ \$ - per each	\$ -
-		-	@ \$ -	\$ -
-		-	@ \$ -	\$ -
-		-	@ \$ -	\$ -
-		-	@ \$ -	\$ -
-		-	@ \$ -	\$ -
-		-	@ \$ -	\$ -
-		-	@ \$ -	\$ -
-		-	@ \$ -	\$ -
-		-	@ \$ -	\$ -
<b>Task Total for Non-salary Direct Expenses</b>				\$ 25,897.10
				(F)

**Subconsultant Involvement**

DBE	Subconsultant	Total Fee for Task	Manhours
		\$ -	
		\$ -	
		\$ -	
	SEPI, Inc.	\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
<b>Task Totals for Subconsultant Involvement</b>		\$ -	
		(G)	

**Fee Summary for Task**

<b>A</b>	<b>Direct Labor</b>	\$ -
<b>B</b>	<b>Overhead [A x 1.5595]</b>	\$ -
<b>C</b>	<b>Profit [(A+B) x 0.1]</b>	\$ -
<b>D</b>	<b>FCCM [A x 0.0099]</b>	\$ -
<b>E</b>	<b>Labor Total</b>	\$ -
<b>F</b>	<b>Non-salary Direct Expenses</b>	\$ 25,897.10
<b>G</b>	<b>Subconsultant Fees</b>	\$ -
<b>Task Total</b>		\$ 25,897.10

\$25,897.10

**Task 15: CONSTRUCTION PHASE SERVICES**

*Manhours*

Staff Classification											Manhour Totals		
	Sr. Construction Manager												
Manhour Totals by Classification	95											<b>95</b>	
Sub-task													
15.A Mayfair Drive													
15.A.1 Attend pre-construction meeting	3											3	3.2%
Review change orders/Contractor claims													
15.A.3 Respond to contractor's request for information	12											12	12.6%
15.A.4 Attend monthly progress meetings													
15.A.5 Site visits	4											4	4.2%
Assist in public relations													
15.A.7 Review Contractor VE Proposal													
15.B Meadowbrook Road													
15.B.1 Attend pre-construction meeting	3											3	3.2%
Review change orders/Contractor claims													
15.B.3 Respond to contractor's request for information	12											12	12.6%
15.B.4 Attend monthly progress meetings													
15.B.5 Site visits	4											4	4.2%
15.B.6 Assist in public relations													
15.A.7 Review Contractor VE Proposal													
15.C Hazel Farm Road / Gay Drive													
15.C.1 Attend pre-construction meeting	3											3	3.2%
Review change orders/Contractor claims													
15.C.3 Respond to contractor's request for information	12											12	12.6%
15.C.4 Attend monthly progress meetings													
15.C.5 Site visits	4											4	4.2%
Assist in public relations													
15.A.7 Review Contractor VE Proposal													
14.D Lady's Island Middle School Access													
15.D.1 Attend pre-construction meeting	3											3	3.2%
Review change orders/Contractor claims													
15.D.3 Respond to contractor's request for information	12											12	12.6%
15.D.4 Attend monthly progress meetings													
15.D.5 Site visits	4											4	4.2%
Assist in public relations													
15.A.7 Review Contractor VE Proposal													
15.E Sunset Boulevard / Miller Drive W.													
15.E.1 Attend pre-construction meeting	3											3	3.2%
Review change orders/Contractor claims													
15.E.3 Respond to contractor's request for information	12											12	12.6%
15.E.4 Attend monthly progress meetings													
15.E.5 Site visits	4											4	4.2%
Assist in public relations													
15.A.7 Review Contractor VE Proposal													

**Task 15: CONSTRUCTION PHASE SERVICES**

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**Task Notes**

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General Task Notes

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Sub-task	Manhour Totals	Notes
15.A Mayfair Drive		
15.A.1 Attend pre-construction meeting	3	
Review change orders/Contractor claims		CEI to review change orders
15.A.3 Respond to contractor's request for information	12	Assist w/ coordination between contractor and PM, address non-design related RFIs
15.A.4 Attend monthly progress meetings		No progress meeting
15.A.5 Site visits	4	Attend 1 utility meeting
Assist in public relations		To be handled by Program Management/County
15.A.7 Review Contractor VE Proposal		To be handled by Program Management/County
15.B Meadowbrook Road		
15.B.1 Attend pre-construction meeting	3	
Review change orders/Contractor claims		
15.B.3 Respond to contractor's request for information	12	
15.B.4 Attend monthly progress meetings		
15.B.5 Site visits	4	
15.B.6 Assist in public relations		
1.00 Mileage		
15.C Hazel Farm Road / Gay Drive		
15.C.1 Attend pre-construction meeting	3	
Review change orders/Contractor claims		
15.C.3 Respond to contractor's request for information	12	
15.C.4 Attend monthly progress meetings		
15.C.5 Site visits	4	
Assist in public relations		
1.00 Mileage		
14.D Lady's Island Middle School Access		
15.D.1 Attend pre-construction meeting	3	
Review change orders/Contractor claims		
15.D.3 Respond to contractor's request for information	12	
15.D.4 Attend monthly progress meetings		
15.D.5 Site visits	4	
Assist in public relations		
1.00 Mileage		
15.E Sunset Boulevard / Miller Drive W.		
15.E.1 Attend pre-construction meeting	3	
Review change orders/Contractor claims		
15.E.3 Respond to contractor's request for information	12	
15.E.4 Attend monthly progress meetings		
15.E.5 Site visits	4	
Assist in public relations		
1.00 Mileage		





# BEAUFORT COUNTY COUNCIL AGENDA ITEM SUMMARY

<b>ITEM TITLE:</b>
Recommendation of Award for RFP# 081920 Fleet and Fuel Maintenance Services
<b>MEETING NAME AND DATE:</b>
Public Facilities Committee - December 21, 2020.
<b>PRESENTER INFORMATION:</b>
Dave Thomas, Purchasing Director ( 5 min)
<b>ITEM BACKGROUND:</b>
Beaufort County has had a private company provide fleet management and maintenance services since 1994. First Vehicle Services is currently on a month-to-month contract until a new contract is awarded for the services. The contract for fleet services includes equipment and vehicle maintenance on 1101 units (cars, trucks, boats, trailers, trackers, lawn mowers, motorcycles, bulldozers, graders, and specialized heavy equipment), maintenance of our two fuel sites and our fuel card program. Our intent of the RFP was to receive new proposals offering lower prices with discounts on parts, add the state fuel card program to the current services, improve and update reporting procedures to staff while continuing to maintain the fleet at the current standard or better. With this in mind, a request for proposal was advertised in August of this year. We also requested capital investment suggestions as part of the bidder's response, but elected not to select their suggestions until after the master plan study is completed.
<b>PROJECT / ITEM NARRATIVE:</b>
On August 19, 2020, we received the four following responses to the RFP: 1. First Vehicle Services, 2. Vector Fleet, 3. King George, 4. Shenandoah.  See the attached recommendation memorandum for more detail on the evaluation process.
<b>FISCAL IMPACT:</b>
The contract is paid by using various department accounts (Garage Repairs & Maintenance, 51300). Contracting with First Vehicle may provide additional cost savings in fuel purchases and equipment repair. They provided the lowest target price and offer discounted fuel pricing, parts, and the lowest hourly rates.
<b>STAFF RECOMMENDATIONS TO COUNCIL:</b>
Approve the 3-year contract for the total estimated cost of \$5,921,254.32. See the attached memo for additional information. This contract, at mutual discretion of both the County Council and Contractor, may be extended for up to one (1) successive additional two (2) year term provided that the terms are mutually agreeable to the parties.
<b>OPTIONS FOR COUNCIL MOTION:</b>
Motion to approve the recommendation of award RFP# 081920 Fleet and Fuel Maintenance Services to First Vehicle Services.  Motion to deny the recommendation of award RFP# 081920 Fleet and Fuel Maintenance Services to First Vehicle Services.  <i>(Next Step – Move forward to County Council for consideration to approve the proposed recommendation.)</i>



COUNTY COUNCIL OF BEAUFORT COUNTY  
PURCHASING DEPARTMENT

Item 8.

106 Industrial Village Road, Bldg 2, Post Office Drawer 1228  
Beaufort, South Carolina 29901-1228

David L. Thomas, Purchasing Director  
dthomas@bcgov.net, 843.255.2304

TO: Chairman Brian Flewelling, Public Facilities Committee  
FROM: David L. Thomas, Purchasing Director  
SUBJ: **RFP# 081920 Fleet and Fuel Maintenance Services for Beaufort County  
Contract Award Recommendation to First Vehicle Services, Cincinnati, Ohio**

DATE: December 21, 2020

**BACKGROUND** Beaufort County has had a private company provide fleet management and maintenance services since 1994. First Vehicle Services is currently on a month- to- month contract until a new contract is awarded for the services. The contract for fleet services includes equipment and vehicle maintenance on 1101 units (cars, trucks, boats, trailers, trackers, lawn mowers, motorcycles, bulldozers, graders, and specialized heavy equipment), maintenance of our two fuel sites and our fuel card program. Our intent of the RFP was to receive new proposals from qualified vendors offering lower prices with discounts on parts, add the state fuel card program to the current services, improve and provide an updated reporting system to staff while continuing to maintain the fleet at the current standard or better. With this in mind, a request for proposal was advertised in August of this year. We also requested capital investment suggestions as part of the bidder's response, but elected not to select their suggestions until after the master plan study was completed. On August 19, 2020, we received four responses to the RFP and established a five-member evaluation committee consisting of the following members: Phillip Foot, ACA for Public Safety, Suzanne Cook, Director of Finance, Sheriff's Office, Nilesh Desai, Director of Public Works, Chanel Lewis, Finance Supervisor, and Katie Gottschalk, Fleet Manager, Beaufort County Public Works. All of the firms were interviewed and we requested "Best and Final Offers" from everyone. After the evaluation committee reviewed the "Best and Final Offers" from each firm, they ranked/selected First Vehicle as the number one (1) bidder and recommended them for the contract award.

**VENDOR INFORMATION AND FINAL RANKING:**

	Contract Target Price*	Non-Contract Price**
1. First Vehicle Services, Cincinnati, Oh.....	\$1,370,751.44***	
2. Vector Fleet, Charlotte, NC .....	\$1,763,304.00	
3. King George, Fort Worth, TX .....	\$1,932,400.45	
4. Shenandoah, Warrenton, VA.....	\$2,702,900.00	

\*Contract target pricing includes normal preventative maintenance (brakes, tires, oil changes, wiper blades)

\*\*Non-contract pricing includes major equipment failures (engines, transmissions, heavy-duty repair, bodywork, damages from wrecks, see the attached chart). This is an estimated cost based on history of vehicle repair and may range from \$500,000 to \$600,000 per year. Total cost for the three year contract term beginning January 1, 2021 and ending December 31, 2024 with one two year extension, subject to County Council approval is \$5,912,254.32 (\$1,370,751.44 x 3 years=\$4,112,254.32 +600,000 x 3 years=\$1,800,000 for a total estimated three year cost of \$5,912,254.32).

\*\*\*The target price includes fleet and fuel management and includes one additional heavy-duty mechanic This was needed due to the needs of public safety, public works, and our ambulances services to improve repair response time.. See the attached "Best and Final Offer Sheet" for additional information and hourly rates.

**FY20 cost was \$2,029,813.44 not including Fuel. Fuel cost with a discounted rate is estimated at \$1,200,000 per year.**

**FUNDING** The contract is paid by using various department accounts (Garage Repairs & Maintenance, 51300)

**FOR ACTION** Public Facilities Committee Meeting December 21, 2020.

**RECOMMENDATION** Public Facilities Committee approve, and recommend County Council approve the contract award to First Vehicle Services, Inc. for RFP# 081920 Fleet and Fuel Maintenance Services , the top ranked firm, with the anticipated cost per year of \$1,970,751.44 for an initial contract term of three years from January 1, 2021 to December 31, 2024. Total estimated cost for three years is \$5,912,254.32. This contract, at mutual discretion of both the County Council and Contractor, may be extended for up to one (1) successive additional two (2) year term provided that the terms are mutually agreeable to the parties. The parties shall begin good faith negotiations for the Target Price for each year at least one hundred and twenty (120) days prior to the anniversary date of the contract.

cc: Eric Greenway, Interim County Administrator  
Whitney Richland, ACA, Chief Financial Officer  
Jared Fralix, ACA Engineering  
Phil Foot, ACA for Public Safety  
Suzanne Cook, Director of Finance, Beaufort County Sheriff's Office  
Nilesh Desai, Director of Public Works

Attachments: 1. Initial and Final Summary Evaluation Score Sheets  
2. Bid Excel Sheet "Best and Final Offers"  
3. First Vehicle Local Spend Report  
4. Services Offered Chart  
5. Local Employee Staffing Plan  
6. Non-contract work Chart

<b>Fleet Management and Maintenance Operation for Beaufort County Government</b>				
<b>RFP 081920</b>				
<b>Summary Score Sheet</b>				
<b>Evaluators</b>	<b><u>Name of Company</u></b>	<b><u>Name of Company</u></b>	<b><u>Name of Company</u></b>	<b><u>Name of Company</u></b>
	<b><u>First Vehicle Services</u></b>	<b><u>King George</u></b>	<b><u>Shenendoah Fleet</u></b>	<b><u>Vector Fleet</u></b>
Chanel Lewis	92	59	57	80
Kate Gottschalk	60	45	48	90
Neil Desai	55	48	40	88
Phil Foot	74	54	69	72
Suzanne Cook	98	60	75	83
<b>TOTALS:</b>	<b>379</b>	<b>266</b>	<b>289</b>	<b>413</b>
<b>RANK ORDER</b>				
1. Vector Fleet	413			
2. First Vehicle Services	379			
3. Shenendoah Fleet	289			
4. King George	266			





<b>Fleet Management and Maintenance Operation for Beaufort County Government</b>			
<b>RFP 081920</b>			
<b>Final Scoring Sheet</b>			
<b>Evaluators</b>	<b><u>Name of Company</u></b>	<b><u>Name of Company</u></b>	
	<b><u>First Vehicle Services</u></b>	<b><u>Vector Fleet</u></b>	
Chanel Lewis	92	80	
Kate Gottschalk	60	90	
Neil Desai	55	88	
Phil Foot	84	80	
Suzanne Cook	98	45	
<b>TOTALS:</b>	<b>389</b>	<b>383</b>	
<b>RANK ORDER</b>			
1. First Vehicle	389		
2. Vector Fleet	383		

Company Name	First Vehicle Services	King George	Shenendoah	Vector Fleet		
Fixed Contract Annual Price	\$1,266,964.92	\$1,932,400.45	\$2,702,900.00	\$1,763,304.00		
State Fuel Card	Included in Price	Included in Price	\$14,766.00	Included in Price		
Total Fixed Contract Price	\$1,370,751.44	\$1,932,400.45	\$2,717,666.00	\$1,763,304.00		
Hourly Rate	\$37.00	\$64.67	\$37.80	\$52.50		
Overtime Rate	\$57.00	\$97.00	\$51.02	\$64.00		
Non-Contract Price	\$37.00	Not Stated	Cost plus 6% as stated in Original Proposal	Not Stated		
Number of Staff taken from Original Proposal Not Stated in Best and Final Responses	13 FTE	12 FTE 1 PTE	18 FTE	15 FTE		
Lease Rate Per Year taken from Original Proposal Not Stated in Best and Final Responses	\$1.00 per year	\$1.00 per year	\$1.00 per year	\$12,000.00		
Term of Contract as stated in Original Proposal	5 Years	Not Stated	Not Stated	5 years		
Liquidated Damages	Page 93 of their proposal under part one states failure in each performance area subject to liquidated damages as defined in Section 10 but I cannot locate it	Page 33 Section F.1 explains Liquidated Damages are based on a unified system of incentives and penalties based on a point system. That program is in the document on same page	States in Original Proposal that Failure/attainment in each performance area subject to liquidated damages for that month and culmulative for the year	See section 4.4 in Original Proposal		
Remarks	Willing to negotiate cycle chart			Vector's cost is from their answers to our questions. They did not resubmit their cost proposal		
	Willing to negotiate best card program including using the state contract card.			Vector states in their Original Proposal if cost of operation is greater than the contract cost they will absorb the additional cost. If the actual cost is less than the contract cost they will divide the difference (70% to the county 30% to Vector)		
	Willing to update reporting software					
	Will provide an annual replacement report					

## First Vehicle Services Local Vendor Spend

	Vendor Name	Voucher Spend
Local	ADVANCE AUTO PARTS (CPA-USD), Beaufort dba ADVANCE AUTO PARTS	\$16.06
Local	ARCHERS AUTO GLASS LLC,SC,BEAUFORT,81 SAMS POINT ROAD	\$3,068.70
Local	AUTO GLASS EXPERIENCE,GA,BEAUFORT,dba AUTO GLASS EXPERIENCE	\$3,805.00
Local	AUTOMOTIVE AIR INC,SC,BEAUFORT,3108 PALOMINO DRIVE	\$2,388.64
Local	AUTOPRO OF HILTON HEAD,SC,HILTON HEAD,dba AUTOPRO OF HILTON HEAD	\$5,328.71
Local	AUTOZONE PARTS INC (CPA-USD),Beaufort	\$50,270.84
Local	BARNARD TIRE,SC,BEAUFORT,PO BOX 4006	\$1,393.63
Local	BEAUFORT AUTO REPAIR & TOWING,SC,BEAUFORT,809 ROSEIDA RD	\$710.80
Local	BRIDGESTONE FIRESTONE	\$8,628.06
Local	BROWN METAL FABRICATION,SC,BEAUFORT,dba BROWNS METAL FABRICATION	\$5,270.88
Local	BUTLER CHRYSLER DODGE JEEP LLC,SC,BEAUFORT,188 ROBERT SMALLS PKWY	\$28,943.57
Local	CENTRAL GLASS LLC,SC,BEAUFORT	\$650.00
Local	COLONY TIRE CORPORATION	\$4,384.58
Local	COMPANY TWO,SC,VARNVILLE,dba COMPANY TWO	\$14,705.00
Local	CONTINENTAL TIRE THE AMERICAS LLC,	\$71,356.06
Local	EAST COAST COLLISION & RECOVERY LLC,SC,BEAUFORT	\$24,300.59
Local	ELEMENTS WINDOW FILM,SC,BEAUFORT,dba ELEMENTS WINDOW FILM	\$2,205.00
Local	FELVER TRANSPORT TOWING & RECOVERY,SC,BEAUFORT	\$9,425.00
Local	FENDERS AT LAUREL BAY LLC,SC,BEAUFORT,PO BOX 4432	\$61,173.04
Local	GOODYEAR,SC,BEAUFORT,199 PARRIS ISLAND PARKWAY	\$9,866.18
Local	LOW COUNTRY HARLEY-DAVIDSON,SC,NORTH CHARLESTON,dba LOW COUNTR	\$316.08
Local	NAPA / Beaufort	\$2,573.24
Local	O C WELCH FORD LINCOLN MERCUR, SC, HARDEEVILLE, 4920 INDEPENDENCE	\$4,250.14
Local	O'REILLY AUTO PARTS (CPA-USD),Beaufort ,dba O'REILLY AUTO PARTS	\$5,594.99
Local	PARKS AUTO PARTS INC,SC,Beaufort	\$56,481.92
Local	Parts -Card Purchases Local Credit card spend	\$23,612.00
Local	PENDER BROTHERS INC,SC,PORT ROYAL,PO BOX 122	\$60.00
Local	RANDELS LAWNMOWER EQUIPMENT, SC, BEAUFORT, 1499 SALEM RD	\$1,725.99
Local	SEA ISLAND MARINE LLC,SC,BEAUFORT,dba SEA ISLAND MARINE LLC	\$647.63
Local	SOS RADIAL TIRE SERVICE INC.	\$5,258.91
Local	SOUTHEASTERN ALTERNATOR,GA,BAXLEY,DBA SOUTHEASTERN ALTERNATOR &	\$1,309.53
Local	SOUTHERN AUTOMOTIVE & EQUIPMENT REPAIR L,	\$7,716.99
Local	SOUTHERN SIGNS & GRAPHICS,SC,LOBECO,dba SOUTHERN SIGNS & GRAPHICS	\$10,320.05
Local	STEEN ENTERPRISES INC,SC,ADAMS RUN,7634 SAVANNAH HWY	\$7,472.78
Local	TOMMYS TIRE & TOWING,SC,BLUFFTON,PO BOX 1421	\$5,565.00
Local	VADEN OF BEAUFORT,GA,SAVANNAH,PO BOX 14217	\$301.31
Local	WEBSTER'S MARINE INC,SC,RIDGELAND,5974 N OKATIE HWY	\$5,955.25

\$447,052.15

First Vehicle Services prides its self in keeping the money as close to the community businesses as possible. We spent \$447,052 Dollars with local vendors. That's more than \$249,671 than with outside vendors. Around 60%40% with local vendors getting the lion share.

# SERVICES OFFERED

## *First Vehicle Services:*

- Preventive Maintenance
- Repairs
- Fleet Management
- Vehicle Diagnostics
- Parts Purchasing & Inventory
- Fiscal Control
- Alternative Fuel Veh. Repair
- Fleet Software & Reporting
- Life Cycle Cost Analysis
- Billing System
- Recruiting
- Technician Training
- Fuel Management
- DVIR's
- Quick-Fix Repairs
- Safety, CSA Standards
- Worker/Shop Safety
- Environmental
- Tags / Titles
- OEM Recalls / Warranty
- Vendor Management
- Welding
- Motor Pool Management
- Directed Work
- Fleet Prioritization
- Road Side Assistance
- Accident/Misuse Mgt.
- Vehicle Remarketing
- Vehicle Up Fitting & Modification
- Telematics

# STAFFING PLAN



Position	FTE Employees
Project Manager	1 FTE
Parts Clerk	1 FTE
Office Manager/ Fuel System Administrator	1 FTE
EVT Technician	2 FTE
Technician I	2 FTE
Technician II	7 FTE
<b>TOTAL STAFFING</b>	<b>14 FTE</b>



# NON-CONTRACT WORK



- Accident, Theft, Vandalism, Misuse, Other than Fair Wear and Tear, and Acts of Nature
- Capital Expenditures beyond the \$50,000
- Directed Work
- Emergency Work
- Glass Replacement
- Rust/ Corrosion
- Life Cycle - work performed to extend the service life of a vehicle that is beyond its normal replacement cycle



# BEAUFORT COUNTY COUNCIL AGENDA ITEM SUMMARY

<b>ITEM TITLE:</b>
Intergovernmental Agreement between Beaufort County and City of Beaufort for Special Projects and Associated Services
<b>MEETING NAME AND DATE:</b>
Public Facilities Committee – December 21, 2020
<b>PRESENTER INFORMATION:</b>
Jared Fralix, ACA – Engineering (5 mins)
<b>ITEM BACKGROUND:</b>
The City of Beaufort and Beaufort County have worked together on many successful infrastructure-based projects on a one-time basis agreements.
<b>PROJECT / ITEM NARRATIVE:</b>
Beaufort County and the City of Beaufort seek to enter into an agreement whereby the County and City may offer aid and assistance to each other for special projects and associated services including project management, inspection services, community relations, utility service agency coordination, and public affairs related to those projects which has a define beginning and conclusion. The initial term of the agreement will be two (2) years with the option to renew for three additional one (1) year renewals not to exceed a total of five (5) years.
<b>FISCAL IMPACT:</b>
Per project, the County and City will mutually agree to a fee schedule based on an agreed upon hourly rate for the service provided prior to the commencement of the requested support commences. The funding sources will vary per project and pending County Council and City Council approval of the annual budget in which both intend to possess adequate funds to adequately resource anticipated mutual support.
<b>STAFF RECOMMENDATIONS TO COUNCIL:</b>
Staff recommends approval and execution of the Intergovernmental Agreement between Beaufort County and City of Beaufort for Special Projects and Associated Services.
<b>OPTIONS FOR COUNCIL MOTION:</b>
Motion to approve the Intergovernmental Agreement between Beaufort County and City of Beaufort for Special Projects and Associated Services.  Motion to deny the Intergovernmental Agreement between Beaufort County and City of Beaufort for Special Projects and Associated Services.  <b><i>(Next Step - Move forward to Council for consideration to approve the proposed Intergovernmental Agreement)</i></b>



**STATE OF SOUTH CAROLINA )**  
**)**  
**)**  
**COUNTY OF BEAUFORT )**

**INTERGOVERNMENTAL AGREEMENT**  
**SPECIAL PROJECTS AND ASSOCIATED**  
**SERVICES**

THIS INTERGOVERNMENTAL AGREEMENT (IGA) is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2020 by and between the City of Beaufort, South Carolina, (hereinafter referred to as the "City"), and Beaufort County, South Carolina (hereinafter referred to as the "County").

WHEREAS, the City and County seek to establish an agreement whereby the County and City may offer aid and assistance to each other for Special Projects and Associated Services; and

WHEREAS, the City and County agree that Special Projects and Associated Services include Project Management, Inspection Services, Community Relations, Utility Service Agency Coordination, and Public Affairs related to those projects which have a defined beginning and conclusion; and

WHEREAS, both the County and the City recognize they possess less capability and capacity when operating separately but greater capability and capacity when leveraging their collective strengths together for well-defined projects or tasks; and

WHEREAS, pending County Council and City Council approval of the annual budget, both intend to possess adequate funds to adequately resource anticipated mutual support; and

WHEREAS, the County and the City agree to a fee schedule based on an agreed upon hourly rate for the service provided prior to the commencement of the requested support commences; and

WHEREAS, the County and the City both retain the option of agreeing to execute this IGA or leveraging other solutions based on the best interests of the City or County respectively; and

WHEREAS, the County and City will perform a cost benefit analysis for each project or tasking to fully understand the true costs of the service provided before approving execution of support by the County or City for the benefit of the County or City; and

WHEREAS, the County and City jointly agree on a timetable for providing support prior to the execution of support by the County or City for the benefit of the County or City; and

WHEREAS, pursuant to S.C. Code of Laws Sections 4-9-40, and 6-1-20, and Article VIII Section 13 of the State of South Carolina Constitution, cities and counties may enter into agreements to provide for joint services when mutually desirable; and

NOW, THEREFORE, the below listed agreement is established to better serve the needs of both the County or City with respect to Special Projects and Associated Services within the County, City or both.

## SECTION 1 - DEFINITIONS

- A. **AUTHORIZED REPRESENTATIVE** - An employee of entity who is authorized in writing by that government to request, offer, or provide assistance under the terms of this Agreement.
- B. **PERIOD OF ASSISTANCE**: The period of time beginning with the authorization by the County or City to perform Special Projects or Associated Services following a clear understanding of cost, codified by joint memorandum, by both the County and City.

## SECTION 2 - PROCEDURES

- A. **REQUEST FOR ASSISTANCE**: The County or the City may initiate informal discussions at the Staff level with staff counterparts to secure basic support and cost data elements. These informal discussions will provide the facts required for Staff to brief senior management at both the County and City. Once approved by both the County and City, a joint memorandum will be drafted by the requesting organization, either the County or City for signature by authorized representatives of both the County and City.
- C. **INSPECTION**: Once authorized by the requesting organization to perform work, the organization providing the service will provide weekly updates on the status of the assigned task. The staff member responsible for executing that requested support will inform leadership of the progress in order to ensure projects remain on schedule and within the agreed upon budget.
- D. **SUPERVISION AND CONTROL**: The personnel, equipment and resources of the County or City shall remain under operational control of the County or City based on who requests support and who is receiving support for all work being done under this agreement. The designated supervisory personnel of the organization providing support shall: maintain daily personnel time records, material records, and a log of equipment hours; be responsible for the operation and maintenance of the equipment and other resources furnished by the supporting organization; and shall report work progress to the organization receiving the requested support.
- E. **COMMUNICATIONS**: Unless specifically instructed otherwise, the organization providing requested support shall have the responsibility for coordinating communications between the personnel of both the County and the City.
- F. **INVOICES**: Based on which organization is providing support, invoices shall be submitted to the organization receiving support when a particular project or task has been completed or in a way agreed upon by both the County and City by way of the project authorization joint memorandum.
- G. **PAYMENT**: Based on which organization provides support, invoices shall be paid, or advise of any disputed items, not later than thirty (30) days following the billing date.

### SECTION 3 - INSURANCE

Each Party to this agreement shall bear the risk of its own actions, as it does with its day-to-day operations, and determine for itself what kinds of insurance, and in what amounts, it should carry. A copy of the insurance carrier's letter or the resolution of self-insurance shall be attached to the executed copy of this Agreement. Each party shall be solely responsible for determining that its insurance is current and adequate prior to providing assistance under this Agreement.

### SECTION 4 - LIABILITY

Each Party to this Agreement shall be responsible for any and all claims, demands, suits, actions, damages, and causes of action related to or arising out of or in any way connected with its own actions, and the actions of its personnel, in providing mutual aid assistance rendered or performed pursuant to the terms and conditions of this Agreement.

### SECTION 5 - TERM

The initial term of this Agreement shall be for two (2) years from the date approved by both the County and City Council, with the option to renew for three additional one (1) year renewal terms, for a total not to exceed five (5) years. This agreement may be terminated upon sixty (60) days advance written notice by the Parties to this agreement. Notice of termination shall not relieve the withdrawing Party from obligations incurred hereunder prior to the effective date of the withdrawal.

### SECTION 6 - SEVERABILITY: EFFECT ON OTHER AGREEMENTS

Should any portion, section, or subsection of this Agreement be held to be invalid by a court of competent jurisdiction, that fact shall not affect or invalidate any other portion, section or subsection; and the remaining portions of this Agreement shall remain in full force and affect without regard to the section, portion, or subsection or power invalidated.

In the event that any parties to this Agreement have entered into other mutual aid agreements or inter-local agreements, those parties agree that said agreements are superseded by this Agreement only for emergency management assistance and activities performed in major disasters, pursuant to this Agreement. In the event that parties to this Agreement have not entered into another mutual aid agreement, and the parties wish to engage in mutual aid, then the terms and conditions of this Agreement shall apply unless otherwise agreed between those parties.

IN WITNESS WHEREOF, the City of Beaufort, South Carolina and Beaufort County, South Carolina, by and through their duly authorized officers have set their hands and seals on this \_\_\_\_\_ day of \_\_\_\_\_, 2020.

**WITNESSES:**

\_\_\_\_\_  
\_\_\_\_\_

**BEAUFORT COUNTY**

**By:** \_\_\_\_\_

**Its:** \_\_\_\_\_

**WITNESSES:**

\_\_\_\_\_  
\_\_\_\_\_

**CITY OF BEAUFORT**

**By:** \_\_\_\_\_

**Its:** \_\_\_\_\_



# BEAUFORT COUNTY COUNCIL AGENDA ITEM SUMMARY

<b>ITEM TITLE:</b>
Intergovernmental Agreement between Beaufort County and SCDOT for the Beaufort County Sales Tax Transportation Program Projects US 21 Corridor and Sidewalk/Multiuse Pathways
<b>MEETING NAME AND DATE:</b>
Public Facilities Committee – December 21, 2020
<b>PRESENTER INFORMATION:</b>
Jared Fralix, ACA - Engineering (10 min)
<b>ITEM BACKGROUND:</b>
An intergovernmental agreement for the planning and implementation of the US 21 Corridor and sidewalk/multiuse pathway projects associated with the 2018 One Cent Sales Tax Referendum.
<b>PROJECT / ITEM NARRATIVE:</b>
This agreement covers the 9 sub-projects on Lady’s Island known in the referendum as US 21 Corridor Improvements and the 24 sidewalks/multiuse pathway projects.
<b>FISCAL IMPACT:</b>
N/A
<b>STAFF RECOMMENDATIONS TO COUNCIL:</b>
Staff recommends approval of the Intergovernmental Agreement between Beaufort County and SCDOT for the Beaufort County Sales Tax Transportation Program Projects US 21 Corridor and Sidewalk/Multiuse Pathways
<b>OPTIONS FOR COUNCIL MOTION:</b>
Motion to approve/deny Intergovernmental Agreement between Beaufort County and SCDOT for the Beaufort County Sales Tax Transportation Program Projects US 21 Corridor and Sidewalk/Multiuse Pathways.
<i>Next step – move forward to County Council for consideration.</i>

**Cooperative Intergovernmental Agreement  
Between  
Beaufort County, South Carolina  
And the  
South Carolina Department of Transportation  
For  
The Beaufort County Sales Tax Transportation Program Projects  
US 21 Corridor and Sidewalk/Multiuse Pathways**

THIS AGREEMENT is made this \_\_\_\_\_ day of \_\_\_\_\_, 2020, by and between Beaufort County, hereinafter referred to as “County,” and the South Carolina Department of Transportation, hereinafter referred to as “SCDOT,” collectively “the Parties.”

WITNESSETH THAT:

WHEREAS, on November 6, 2018, under Chapter 37 of Title 4 of the Code of Laws of South Carolina (Supp. 2007), and pursuant to County Ordinance No. 2017/34, the voters of Beaufort County approved the imposition of a one-percent sales tax within the county for the purposes of funding certain transportation infrastructure improvements; and

WHEREAS, County and SCDOT desire to work together in the planning and implementation of the Beaufort County Sales Tax Transportation Program, hereinafter “the Program;” and

WHEREAS, County is a body politic with all the rights and privileges of such including the power to contract as necessary and incidental powers to carry out County’s functions covered under this Agreement; and,

WHEREAS, SCDOT is an agency of the State of South Carolina with the authority to enter into contracts necessary for the proper discharge of its functions and duties;

NOW THEREFORE, in consideration of the several promises to be faithfully performed by the Parties hereto as set forth herein, County and SCDOT do hereby agree as follows:

I. GENERAL RECITALS:

A. Purpose:

The purpose of this work is to construct and improve certain transportation facilities throughout Beaufort County using, in part, funds derived from the one cent special sales and use tax imposed by Beaufort County and approved by referendum on November 6, 2018.

B. Description of Work:

This agreement covers the US 21 Network Improvements Project on Lady's Island and Sidewalks/Multiuse Pathways, hereinafter referred to as the "Project." The provisions herein shall only apply to the portions of the Project which are currently on the State Highway System or are proposed to be conveyed to SCDOT for acceptance into the State Highway System. Unless otherwise agreed, these provisions shall not apply to projects which are to be owned or maintained by County, a municipality, or any other non-state entity. Where local roadways tie into state or federal roadways, changes within SCDOT's right-of-way will fall under the terms of this agreement unless changes are approved by SCDOT through an encroachment permit.

Prior to Project initiation, County shall identify whether federal funds will be used. If use of federal funds is anticipated, the Project must be identified in either SCDOT's most current Statewide Transportation Improvement Program (STIP), or the most current fiscally constrained long range plan for the specific project improvement category. If federal funds are used, Project shall be developed and constructed in accordance with the joint Stewardship and Oversight Agreement between the Federal Highway Administration (FHWA) and SCDOT. The FHWA will make the determination of eligibility for Federal Transportation Funding at the time of request for authorization of each phase of the Project.

The scope of the Project shall be determined by County during the planning phase. County shall carry out the specific activities necessary to implement and construct the Project, which includes: planning, design, right-of-way acquisition, utility and railroad coordination, construction, and other associated coordination and administrative activities, unless noted otherwise herein. If County requests that SCDOT administer any phase of work for this Project, a supplemental agreement will be drafted to outline the responsibilities of County and SCDOT. Any Project phases administered by SCDOT will be subject to scheduling and prioritization within SCDOT's current workload.

C. Scope of Work:

The scope of the Project is described in Attachment A, attached hereto and incorporated herein. Nothing contained in this Agreement shall be construed to require County to undertake or complete the Project. Those obligations shall be solely governed by the actions of Beaufort County Council and applicable State law. However, if federal funds are expended and the Project is not completed, for whatever reason, repayment of the federal funds may be required.

II. COMMUNICATIONS:

- A. County and SCDOT agree that regular and thorough communication about this work is essential for the completion of the Project. County and SCDOT further agree that each Party will strive to communicate at both the management and staff levels.

1. The County Transportation Director and/or the designated County Representative shall meet with SCDOT's Program Manager on an as-needed basis.
  2. Additional coordination meetings will be planned and mutually agreed upon as necessary to coordinate the work.
- B. SCDOT will provide such technical support and advice as requested by County to assist in the planning and execution of the Project, subject to the provisions of Section IV.C. of this Agreement.

III. OBLIGATIONS OF SCDOT:

- A. To the extent permitted by existing South Carolina law, SCDOT hereby assumes complete responsibility for any loss resulting from bodily injuries (including death) or damages to property, arising out of any negligent act or negligent failure to act on SCDOT's part, or the part of any employee or agent of SCDOT in the performance of or participation in the work undertaken under this Agreement.
- B. SCDOT shall perform all or any part of the work with its own forces or may contract out any of the work or services to outside private or governmental consultants or contractors at SCDOT's sole discretion if SCDOT determines that such contracting out would be more efficient or cost effective or would result in more expeditious completion of the Project.
- C. SCDOT shall be entitled to bill or draw payment at its normal and customary billing rates for services by its in-house personnel.
- D. SCDOT agrees to accept responsibility for normal maintenance of standard transportation materials, structures, and workmanship within SCDOT rights-of-way according to common local practices for the Project.
- E. SCDOT agrees to accept the Project in accordance with Section VI.E. of this Agreement.

IV. OBLIGATIONS OF COUNTY:

- A. To the extent permitted by existing South Carolina law, County hereby assumes complete responsibilities for any loss resulting from bodily injuries (including death) or damages to property, arising out of any negligent act or negligent failure to act on County's part, or the part of any employee or agent of County in performance of the work undertaken under this Agreement.
- B. County shall provide or cause to be provided all services for the execution of activities for the planning, development, and delivery of the Project, unless noted otherwise herein.



- C. County shall reimburse SCDOT for costs incurred as part of SCDOT's reviews, coordination, and oversight. SCDOT will invoice County no more often than quarterly for these costs.
- D. County agrees to assign a right of entry or other property rights necessary to SCDOT in order for SCDOT to maintain the Project until such time as all rights-of-way and other property rights are transferred to SCDOT after completion of the Project.
- E. The cost of the Project shall be borne solely by Beaufort County unless additional funding is secured through SCDOT, other sources, or as otherwise provided for in this Agreement.
- F. The Parties agree that, because the Project is not an SCDOT project, the consent of municipalities in which the work occurs is not required under S.C. Code Ann. §57-5-820. Should a court of competent jurisdiction rule that such consent is required, it will be the responsibility of County to obtain the same.

V. GENERAL PROVISIONS:

A. Conformance:

The Project shall be developed and constructed to SCDOT standards and specifications, and any other applicable legal standards. The current edition of each standard and specification shall be the edition as of the beginning of the design work for the Project with the expectation that the standards and specifications shall be applicable through the completion of the Project. However, where there is a significant delay in the completion of the design of the Project, the most current standards and specifications may be incorporated into the contract documents. It is the intent of both County and SCDOT to design the Project in compliance with the applicable standards and specifications; however, both Parties recognize that exceptions to these standards and specifications may be mutually beneficial. Such exceptions will be granted if both Parties agree in writing.

County acknowledges that the Buy America provisions apply to all contracts within the scope of a National Environmental Policy Act (NEPA) determination and eligible for assistance under Title 23 U.S. Code, so long as one such contract is funded with federal aid.

If federal funds are used, County shall administer all phases of the Project in compliance with the SCDOT / Federal Highway Administration STEWARDSHIP AND OVERSIGHT PLAN dated June 2014 and any revisions, addenda, or other modifications thereto (included herein by reference), located on SCDOT's website at [www.scdot.org/doing/stewardship.aspx](http://www.scdot.org/doing/stewardship.aspx). Pursuant to this Stewardship and Oversight Plan, FHWA retains approval and oversight authority for all phases of the Project, and may require documentation and activities not expressly mentioned in this Agreement.

**B. Planning and Environmental Activities:**

County shall make a determination as to the exact scope of the proposed improvement(s). In this planning phase, County shall consider the following aspects of the Project in determining the scope of the proposed improvement(s):

- Public involvement
- Source of funding (does the Project utilize federal funds or not)
- Environmental considerations including determination of necessary environmental documentation
- Traffic requirements for the Project based on traffic projections for the design year 20 years beyond the scheduled construction date of the Project. For example, a scheduled construction start in 2020 would require design year traffic projections for the year 2040. Where available, the Lowcountry Area Transportation Study / Lowcountry Council of Governments (LATS / LCOG) traffic projections would be supplied by SCDOT for use in these planning activities. In instances where these LATS / LCOG traffic projections are not available, County will make traffic projections based on standard industry methodology for the appropriate design year as indicated above.
- Right-of-way to encompass all facility improvements
- Decision by County whether County or SCDOT will issue all Utility Agreements and No Cost Letters
- Determination of any railroad involvement on the Project and a recommendation as to the involvement by SCDOT with regard to agreements, drawing reviews, coordination, etc.
- Constructability
- Other issues impacting the planning and execution of the work as deemed appropriate and beneficial to County

County will carry out their work and services in compliance with all applicable Federal, State, and local environmental laws and regulations, and shall monitor and oversee the Project for such compliance. This responsibility shall include:

1. Complying with those stipulations and conditions under which SCDOT received approval of applicable environmental documents and permits. Individual permits issued by the U.S. Army Corps of Engineers (USACE) will be signed over to County. If County will be responsible for letting the Project, the Notice of Intent (NOI) will be signed and submitted by County.
2. County will ensure compliance with all secured permits. The permittee will be responsible for Project compliance. If SCDOT is required to inspect Project for compliance, either through the use of SCDOT staff or consultants, County is responsible for reimbursing SCDOT for the cost of inspection. SCDOT is authorized to use the Project charge code for all compliance activities. County will

be the sole party responsible for resolution of any enforcement actions as a result of non-compliance with permit conditions and requirements to the extent that County or its agents were responsible for such breach or action causing the enforcement action.

3. Complying with applicable laws and regulations relating to potential or actual hazardous materials that may be encountered in the course of implementing the Project.
4. Carrying out all required social, economic, and environmental studies required by law.
5. Making all necessary modifications to approved permits as required by law. If SCDOT is still the permittee, any modifications will be submitted to SCDOT's Environmental Office for review and approval prior to submittal to the appropriate regulatory agency. In the event a USACE Individual Permit is required, SCDOT will sign over any and all individual permits to County.

County recognizes that SCDOT and/or the FHWA or other agencies may have final review and approval for the environmental documentation required under the implementing regulations of the National Environmental Policy Act of 1969, 23 C.F.R. §771, *et seq.* County will be responsible for the preparation of any necessary permit applications required by any governmental agency to complete the Project and will work with SCDOT in coordinating and negotiating with the agency to secure the permits. County and their consultant must coordinate with the SCDOT Environmental Permitting Division when submitting a USACE 404 Permit application. Additionally, all coordination with USACE and SCDHEC is to occur through SCDOT's Environmental Permitting Division. All work performed must be in accordance with SCDOT's Environmental Consultant Scope, latest edition, and any amendments thereto, if applicable. Where necessary, County shall prepare all permit applications in the name of SCDOT. County will comply with any regulatory agency requirements, and be responsible for resolution of any enforcement actions that may arise as a result of non-compliance with regulatory agency requirements. All permit conditions set by the regulatory agencies must be reviewed and approved by SCDOT for all roads in, or to be included in, the state system.

County must provide an assessment of potential jurisdictional impacts for the Project within 180 days of the execution of this Agreement to the SCDOT Environmental Mitigation Manager. County will coordinate, throughout Project development, with the SCDOT Environmental Office to develop a strategy that meets County's needs and assists in streamlining permit acquisition. County is responsible for developing a conceptual mitigation plan if the Project requires compensation for unavoidable impacts. This plan may be submitted to the Environmental Mitigation Manager for review prior to any submittal of a 404 permit application to USACE. County should not assume they will have access to SCDOT mitigation banks. Access to SCDOT mitigation banks will be determined by SCDOT's Mitigation Manager.

County shall conduct required public involvement meetings for the Project in accordance with NEPA regulations, or as otherwise specified by SCDOT. In addition, non-mandatory public meetings may be held to discuss Project issues if desired by County. County shall notify representatives of SCDOT in advance of all meetings and shall notify other representatives from state, federal, and resource agencies as required. The Project shall not be advanced to right-of-way acquisition and/or construction phases until final approval of environmental documentation is obtained.

SCDOT and County both recognize that the FHWA will not take any action on projects that are funded solely by local sources. In order for FHWA to review and approve NEPA documents, the project must include federal funds in the STIP and/or the fiscally constrained portion of the Long Range Transportation Plan. County must also adhere to the transportation planning process in 23 CFR 450 for how to apply federal funds to Project. If County decides to add federal money to Project late in the development process, the Parties acknowledge that certain steps in the process may need to be repeated to ensure federal eligibility.

C. Design Activities:

Design of the Project will be County's responsibility except as otherwise provided for in this Agreement. Regardless of funding sources, FHWA may, in its discretion, retain any specific approval or related activity for the Project.

1. SCDOT shall assign a Project Identification Number to the Project for tracking purposes. County shall use this number on all right-of-way instruments, plans, and permits as applicable.
2. All Project surveys related to the setting of horizontal control, vertical control, mapping, and aerial photography will comply with SCDOT's current edition of the "Preconstruction Survey Manual."
3. All structural components of the Project shall comply with the "AASHTO Standard Specifications for Highway Bridges," latest edition, including the latest Interim Specifications thereto. Bridge structures shall be designed with the LRFD criteria. This will include all seismic requirements in accordance with these AASHTO criteria.
4. Upon completion of the work, County shall certify that the contract documents have been prepared in conformance with the provisions of Items 1, 2, and 3 above. County shall require that all construction plans and specifications be sealed by a South Carolina registered professional engineer.

5. If County has federal funds programmed in either the STIP or Long Range Transportation Plan, County shall comply with all applicable federal and state statutes and regulations to maintain the eligibility of those funds for reimbursement.
6. In the event that state or federal funding becomes available for the Project, and in the event that County should desire to utilize these funds, the Parties shall cooperate with regard to amendments to this Agreement that may be required to secure that funding. Such amendments will provide for policies and procedures including direct SCDOT administration or assistance with administration of the Project that would be most advantageous in securing that funding.
7. If County starts Project without federal funds and then later seeks to add federal funds to the Project, County acknowledges that some steps in the process (NEPA) may need to be redone to ensure eligibility.
8. SCDOT's Office of Materials and Research shall approve the pavement design on roads within or intended for the state system and shall respond to County within 30 business days from the time County submits the pavement design for review. Approval of pavement designs on state maintained roadways require the SCDOT Pavement Design Engineer's signature on the typical sections of the final construction plans. Any changes to this pavement design must be reviewed and approved by the SCDOT Pavement Design Engineer.
9. SCDOT will provide reviews of the design plans and other contract documents and will provide written comments to County. Plans or other design documentation will be sent to SCDOT at the following stages of the Project: design criteria, concept (optional), preliminary right-of-way, and final design. County shall submit the design in a form that is acceptable to SCDOT's reviewer. Design reviews will be accomplished by SCDOT and review comments will be returned to County within 30 business days from the time County submits the review documents to SCDOT. County will notify SCDOT at least two weeks in advance of the submission of documents to be reviewed. Project shall not be advanced to right-of-way or construction until written authorization is provided by SCDOT.
10. Design plans and documents submitted to SCDOT for reviews shall be provided in electronic (.pdf) format. County shall utilize file transfer protocol (FTP) or other agreed upon platform to transfer the documents to be reviewed.
11. During the development of design of the Project, consideration should be given to costs associated with long-term maintenance of items incorporated into the Project. SCDOT reserves the right to request alternative solutions that would present lower long-term maintenance costs.
12. SCDOT's written "authority to proceed" with right-of-way acquisition activities shall serve as approval for County to begin right-of-way activities on the Project.

SCDOT agrees to provide written notice of “authority to proceed” or review comments for the right-of-way plans within 25 business days from the time County submits the right-of-way plans for review.

13. SCDOT’s written “authority to proceed” with construction shall serve as approval of right of entry and encroachment on to SCDOT’s right-of-way for construction of the Project by County. SCDOT agrees to provide written notice of “authority to proceed” or review comments for the final plans within 25 business days from the time County submits the final plans for review.
14. In the event that federal funding is sought by County through SCDOT, County shall perform a value engineering analysis as required by 23 C.F.R. Part 627.

D. Utility Activities:

1. All utility coordination and relocation activities shall be in accordance with 23 C.F.R. 645 and SCDOT’s “A Policy for Accommodating Utilities on Highway Rights of Way,” and other applicable State law.
2. Utility relocations will be paid based on prior rights and applicable state law. Where a utility establishes a prior right of occupancy in its existing location, County will be responsible for the cost of that relocation, including all real and actual costs associated (engineering, easements, construction, inspections, etc.). Prior Rights may be established by the following means:
  - a. The utility holds a fee, an easement, or other real property interest, the taking of which is compensable in eminent domain.
  - b. The utility occupies SCDOT right-of-way through an existing agreement with SCDOT and is not required to relocate at its own expense.
3. Where the utility cannot establish a prior right of occupancy, the utility will be required to relocate at its own expense. However, in some cases for not-for-profit utilities, County may elect to use Program funds for all or part of such utility relocation costs. In such cases, federal funds would not be eligible for reimbursement.
4. Utility work will be coordinated and executed in accordance with SCDOT’s Design Manual and Construction Manual.
5. If federal funds are used for any development or construction contract within the scope of the NEPA determination, the Buy America provisions apply to all utility relocations that are otherwise eligible for federal aid reimbursement, regardless of whether federal funds are actually used.

6. Utilities to remain in SCDOT rights-of-way, or to be relocated to a point within SCDOT rights-of-way, shall be in compliance with SCDOT's "A Policy for Accommodating Utilities on Highway Rights of Way."
7. County will honor the terms of any pre-existing agreements between SCDOT and a utility owner.
8. County shall comply with Act 36 of 2019, as codified in S.C. Code Section 57-5-880 for relocation of public water and sewer utilities.
9. County will provide utility deliverables as defined in Section VI.E.
10. County will provide a Utility Certification in a form acceptable to SCDOT insuring that all utility relocation agreements, letters, and relocation plans necessary for construction of the Project have been secured and provide the schedule for relocation work.

E. Railroad Activities:

1. County shall coordinate with the operating Railroad(s) during the planning phase of Project development to discuss the Railroad's requirements and future plans at that location.
2. County shall solicit comments early in the design process from Railroad(s) by providing an overview map, description of the Project, and railroad milepost. Railroad company and milepost information can be found on a sign at the crossing of the railroad and the roadway. Information such as train data, passenger operations, valuation maps (VAL Maps) of railroad right-of-way, future track and utility road requirements, and any other special considerations not described in Railroad(s) general criteria, etc. shall be discussed with the Railroad(s). County shall also, as instructed by the Railroad(s), submit plans and correspondence to Railroad(s) for engineering review / approval and subsequent development of Railroad Force Account Costs. County shall assist in drafting and executing required Railroad agreements. Understanding the Railroad(s) requirements, process, review schedules, and costs early is crucial to the success of the Project.
3. County, or County's consultant, shall obtain all necessary Railroad(s) Right-of-Entry permits which may be required for survey, subsurface utility engineering (SUE), geotechnical operations, etc. Upon permit approval and as instructed by the Railroad(s), County shall coordinate with Railroad(s) flagman and engineering representative during times when field operations shall be occurring within the Railroad(s) right-of-way.
4. If the Project involves an SCDOT maintained roadway, County shall coordinate with SCDOT's Railroad Projects office, located within SCDOT's Right-of-Way



Department. During the Project's planning phase, SCDOT and County shall discuss the necessity of a Tri-Party Agreement and other joint requirements.

5. County shall reimburse Railroad(s) for all work performed by or on behalf of the Railroad(s) in support of the Project.
6. County, and County's consultants and contractors, shall retain all records pertaining to the Project for three years after completion and acceptance of the Project. All such records shall be made available to SCDOT for review and audit upon request.
7. County will provide a Railroad Certification in a form acceptable to SCDOT insuring that all railroad coordination is complete and all railroad agreements have been secured for construction of the Project.

F. Right-of-Way Acquisition Activities:

1. County shall acquire all right-of-way necessary for highway purposes in its own name. Acquisition of rights-of-way to be turned over to SCDOT and rights-of-way for projects that may or will be made using federal funds shall be acquired in accordance with the United States Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended, P.L. 91-646, 42 U.S.C. §§4601 *et seq.*, regulations thereunder including 49 C.F.R. Part 24, the South Carolina Eminent Domain Procedures Act, and SCDOT's Office of Right of Way Acquisition Manual. Title instruments acquired for this Project to be conveyed to SCDOT shall be documented on standard SCDOT right-of-way forms. Right-of-way limits shall be set according to standard SCDOT practices, utilizing the SCDOT Highway Design Manual and the SCDOT Road Design Plan Preparation Guide. These limits shall encompass all pertinent highway facilities and structures necessary for the construction and maintenance of the roadway.

With respect to the acquisitions:

County Shall:

- a. Acquire right-of-way in fee simple title or easement interest as directed by SCDOT.
- b. Perform title searches for each property to be acquired and provide SCDOT with Certificates of Title signed by an attorney licensed to practice in South Carolina. Preliminary title abstracts must be provided prior to property being appraised.
- c. In accordance with and when required by SCDOT's Appraisal Manual, provide an acceptable appraisal for each tract by an appraiser from SCDOT's approved appraisal list. All contracts for appraisals shall obligate the appraiser to provide



court testimony in the event of condemnation. County shall obtain appraisal reviews complying with technical review guidelines of the Appraisal Manual and make a recommendation of just compensation. The appraisal reviewer shall be approved by SCDOT. The reviewed appraisal must be approved by SCDOT's right-of-way representative prior to the offer to purchase being made to the Landowner.

- d. Secure approval from SCDOT's right-of-way representative for any settlement above the approved appraisal if federal funds are utilized on the Project.
- e. Titles shall be in fee simple absolute by recordable warranty deeds unless otherwise approved by SCDOT. All titles shall be recorded in the land records of Beaufort County.
- f. In the event of condemnation, the necessary documents as required by the Eminent Domain Procedures Act, S.C. Code Ann. §§ 28-2-10 *et seq.*, will be prepared and County will utilize its Eminent Domain authority to acquire title. County shall be responsible for securing legal representation familiar with Eminent Domain in South Carolina. Condemnation shall be by way of trial after rejection of the amount tendered as provided in S.C. Code § 28-2-240.
- g. Retain all records dealing with property acquisition and all other costs associated with this project for three years after the "Final Acceptance Date" of the Project by SCDOT. County or its authorized representative will make such records available for audit and review upon request.
- h. County is responsible for establishing and maintaining Quality Control and Quality Assurance procedures for the entire right-of-way acquisition process.
- i. Provide relocation assistance in accordance with SCDOT's Relocation Manual. All relocation housing payment offers shall be approved by SCDOT prior to being offered to displacees. County shall issue 90 and 30 - day notices of displacement in accordance with State and federal guidelines.
- j. County shall be responsible for the disposition of all identified improvements being acquired on the Project prior to the obligation date of the construction.
- k. Establish specific milestone dates for the different phases of the right-of-way acquisition and provide bi-monthly reports indicating the status of each individual parcel.
- l. Provide a Right-of-Way Certification in a form acceptable to SCDOT ensuring that all property necessary for construction of the Project has been secured and that all displacees have been relocated prior to advertising for construction bids.

- m. At the completion of the Project, County shall prepare a ROW exhibit and master deed reflecting the rights-of-way to be conveyed to SCDOT as a part of this Project. These documents must be prepared and submitted prior to or at Project close-out.

SCDOT Shall:

- a. Designate a representative from the Right-of-Way office to approve offers of just compensation as well as any settlements above the approved appraisal amounts, participate in mediation of legal settlements, and coordinate and provide approval for all relocation benefits for displaced persons or businesses.
- b. Provide approval of the Right-of-Way Certification and authorization to proceed to construction.

G. Construction Activities:

1. County shall include the required Federal Aid contract provisions in the contract and shall coordinate with SCDOT to establish a Disadvantaged Business Enterprise (DBE) goal if the project is federally funded.
2. County shall obtain SCDOT concurrence prior to awarding the construction contract.
3. County will construct the Project in conformance with the technical sections of SCDOT's current Standard Specifications for Highway Construction, Supplemental Specifications, Supplemental Technical Specifications, Standard Drawings, the Access and Roadside Management Standards (ARMS), and related AASHTO standards in effect at the time of the Project letting unless otherwise agreed to by SCDOT and County in accordance with Section V.A. of this Agreement. County will apply ARMS requirements to the construction effort and to the relocation of utilities within the SCDOT right-of-way. County must obtain written approval from SCDOT if there will be any significant deviation from the construction contract documents.
4. To the extent applicable, materials and services shall be procured in accordance with Beaufort County Procurement Procedures, S.C. Code Ann. §§ 11-35- 10 *et seq.*, SCDOT standard policies, applicable Federal statutes and regulations (2 C.F.R. Part 200, 23 C.F.R. Parts 172 and 635), and State statutes and regulations.
5. County shall provide administrative, contract management, Quality Acceptance testing, inspection, and other services sufficient to provide certification to SCDOT that the construction and the materials used for construction are in conformance with the plans and specifications set forth in the contract documents. The inspectors and engineers performing Quality Acceptance testing and inspection on the Project shall be SCDOT certified in the area of testing and inspection being performed. All acceptance sampling and testing shall be performed in accordance with the quality control (QC)

- sampling and testing schedule and frequency specified in SCDOT's Construction Manual. The engineer of record may not also provide Construction Engineering and Inspection services on State-maintained facilities.
6. County shall obtain SCDOT concurrence to accept material that does not conform to contract requirements. Such concurrence shall be documented by the use of SCDOT Form 100.09, and must be approved by the SCDOT District Engineering Administrator and SCDOT's Director of Construction. The request for concurrence must be initiated by County to SCDOT no later than 45 days after incorporation of the non-conforming material into the Project.
  7. SCDOT shall conduct construction oversight, to include sampling and testing of materials, on all State-maintained roadways at the discretion of the Deputy Secretary for Engineering. All SCDOT costs associated with construction oversight shall be reimbursed by County in accordance with Section IV.C. of this Agreement.
  8. SCDOT will perform independent assurance (IA) sampling and testing on projects with federal funding.
  9. The Project may be subject to periodic reviews/inspections by SCDOT's Quality Management Team and the Environmental Compliance Team at SCDOT's discretion.
  10. To facilitate the coordination of construction activities and to ensure that the work is constructed in accordance with the applicable provisions, County and SCDOT agree as follows:
    - a. Weekly Project field reviews will be made by both County's and SCDOT's construction representatives to discuss Project status, mutual concerns, and construction issues.
    - b. Contract documents will be furnished to SCDOT.
    - c. Copies of test results will be submitted to SCDOT so test data and results can be evaluated. Periodic reviews of test reports and summaries may be made by SCDOT.
    - d. Copies of Daily Work Reports, Diaries, Meeting Minutes, and all documents associated with the Construction Management of the Project shall be provided to SCDOT upon request.
    - e. Project traffic control reviews for safety and specification compliance will be made and documented on SCDOT Form 600.02 by County or their agent. Daytime reviews shall be conducted at least once per week, and a nighttime inspection will be performed at least once per month.

- f. Erosion control reviews will be made on a schedule as required in the NPDES General Construction Permit. Erosion Control reviews will be made in accordance with the latest edition of SCDOT's Supplemental Specification on Seeding and Erosion Control Measures. Observations will be documented on SCDOT's Erosion Control form 800.02. County will apply for and acquire all necessary permits, to include the NPDES General Construction Permit in the name of County unless otherwise agreed upon by SCDOT and County. County will comply with any NPDES requirements, and be responsible for resolution of any enforcement actions that may arise as a result of non-compliance with NPDES requirements.

11. When all aspects of the Project have been properly and fully performed and the work is substantially complete, County shall coordinate with SCDOT to establish a date for final inspection of the work. County, SCDOT, and the prime contractor shall jointly conduct the final inspection and develop a Final Project Punch-list. County shall require that any deficiencies identified on the Final Project Punch-list are appropriately addressed in a timely manner and shall advise SCDOT in writing of the completion of any corrective action. The date of this notice shall become the date of Final Completion.

VI. OTHER PROVISIONS:

A. Maintenance of Traffic:

County shall require that its contractors keep all existing State highways open to traffic while they are undergoing improvements, except for temporary construction detours or closures. Additionally, County shall be responsible for maintaining the entire section or sections of highway within the limits of the Project area from the time its construction contractor is issued the Notice to Proceed until the time Project is delivered to SCDOT under the terms of this Agreement. Traffic control activities shall be in accordance with the MUTCD (current edition), the SCDOT District 6 Daytime Lane Closure policy (current edition), and SCDOT's standard guidelines and standard drawings for maintenance of traffic in a work zone. Traffic control plans will be required for all types of lane closures, shoulder closures, and detours.

B. Maintenance of Project:

County shall accept responsibility for normal maintenance of the roadway within the Project limits during construction.

C. Tie-in Agreements:

Where the limits of the Project meet or overlap into the project limits established for projects that are or will be executed by SCDOT before the completion of this Project, County and SCDOT will develop agreements to outline provisions that would be beneficial

to both County projects and SCDOT projects with respect to funding, traffic control, improved safety for the traveling public, coordination of drainage systems, or other design or construction considerations. These agreements will stipulate the funding implications of such provisions and the responsible parties thereof.

D. Encroachment Rights:

SCDOT shall deliver possession of its highways to County in the same manner and under the same terms it does to highway contractors working under contract with SCDOT, and hereby grants encroachment and access rights to the right-of-way and easements along the proposed Project corridors as set forth below. This possession shall be delivered after approval of the final construction plans as outlined below.

1. When a construction contract has been awarded by County, County will notify SCDOT of the anticipated Notice to Proceed date for the contract. After written approval of the final construction plans by SCDOT as outlined in Section V.C.9 of this Agreement and on the Notice to Proceed date for construction, County and/or its agents will assume maintenance responsibilities for the Project.
2. Where applications for encroachment permits with regard to any segment of road covered by the Project are received by SCDOT, SCDOT will forward those applications to County within 10 business days of receipt for review to ensure that those proposed improvements described in the permit applications will not conflict with the Project plans. County shall review the applications and return comments within 15 business days.
3. From the time of execution of this Agreement up to Project completion, SCDOT hereby grants County access to the Project corridors for the purposes of gathering field information necessary for accomplishing the planning, design, and right-of-way aspects of the Project. County will publish an Eminent Domain notice for the Project in accordance with the Eminent Domain Act, SC Code Section 28-2-70(C).

E. Acceptance:

In the event that additional centerline miles are created by the Project, the Project will be presented by SCDOT staff to the SCDOT Commission upon Final Completion, as defined by Section V.G.11 of this Agreement. The Commission will determine if the additional mileage is to be accepted by SCDOT. In the event that additional miles of secondary roads are added to the State Highway System as a result of the Project, an equal mileage of existing roads on the State Highway System in Beaufort County will be turned over to County for maintenance. The exact roads to be exchanged will be as mutually agreed between County and SCDOT.

Upon completion of the Project, County shall submit the Project Closure Checklist, attached hereto as Attachment C, including the following Project documentation to SCDOT.

1. Copies of required environmental documents
2. Design documents
  - a. As described elsewhere in this agreement
  - b. Final Project plans suitable for delivery and recording pursuant to S.C. Code §57-5-570 and in accordance with the current version of SCDOT's As-Built Construction Plans Supplemental Specification
  - c. Electronic files of the Final Project plans as described in SCDOT's "Road Design Reference Material for Consultant Prepared Plans"
  - d. Final Stormwater Reports
3. Right-of-way documents
  - a. Appraisals
  - b. Title search information
  - c. Deeds sufficient to convey the additional highway right-of-way acquired by County to SCDOT. Titles shall be by special warranty and sufficient to convey the entire interest obtained by County from the Landowner.
  - d. Correspondence with property owners
  - e. Master exhibit prepared by the engineer of record outlining the rights-of-way to be conveyed to SCDOT
  - f. Diaries or agents' worksheets related to the acquisition of right-of-way
  - g. All Utility Agreements and No Cost Letters with supporting documentation
  - h. Summary sheet showing all payments made by County against each Utility Agreement
  - i. If applicable, all supporting information for cost increases to Utility Agreements
4. Construction documents
  - a. As-built drawings - In addition to those documents set forth elsewhere in this Agreement, County shall provide, within 90 days after Final Completion, two marked-up sets of final construction drawings reflecting the as-built condition of the Project based on information provided by the construction contractor and verified by County. "As-built" plans must be drawn to scale, and be based on the project survey stationing. These plans will include as-built information for utilities. These plans will be sufficient to establish the precise location of all utilities and appurtenances as well as provide key information for future determination of the extent of prior rights. "As-built" utility plans must include at a minimum the following:
    - Survey centerline and existing roadway centerline if different, with labeled stationing.
    - Existing and new right-of-way lines, and County easement lines
    - Final location of utility lines and appurtenances
  - b. Test reports
  - c. Daily construction diaries
5. Other documents

- a. Assignments to SCDOT of all contractors' payment and performance bonds in connection with the Project and a copy of the Consents of Surety for final payment
- b. Releases, affidavits, or other proof of payment to indicate full payment of all claims by contractors, their subcontractors, or suppliers.
- c. For federally funded projects with a DBE goal, a DBE closeout document obtained from SCDOT's Office of Business Development

SCDOT shall accept the Project and assume responsibility for maintenance of the Project upon receipt of County's submittal of the Project Closure Checklist signed by the representative of County and upon SCDOT's review and signature approval of the Checklist.

County shall be responsible for maintenance of specialized or unique features, enhancements, or nonstandard materials that are incorporated into the Project, such as, but not limited to: noise walls, sidewalks wider than five (5) feet, shared use paths, hardscape treatments, landscaping, lighting, mast arms, and street furniture.

A separate Maintenance Agreement between the Parties will address specific maintenance responsibilities for any special features, enhancements, or nonstandard materials incorporated into the Project.

F. Warranty:

1. County warrants that it will perform the work necessary under this Agreement in accordance with the standards of care and diligence normally practiced in the transportation industry for work of similar nature. To the extent County's construction contractor warranties are obtained in connection with the Project intended to be turned over to SCDOT, County shall ensure that those warranties are assignable.
2. County shall take all steps necessary to transfer to SCDOT any manufacturer or other third party warranties of any materials or other services used in the construction of the Project.

VII. Miscellaneous General Provisions:

A. Disputes:

County and SCDOT shall cooperate and consult with each other with respect to the Project intended to be turned over to SCDOT for maintenance to the extent set forth herein. The Parties may utilize the Issues Escalation and Dispute Resolution Process included as Attachment "B" to determine the appropriate person(s) and timeframe to resolve any issues that may arise. In the event that a dispute arises, the following procedures will be used to resolve the matter.

Any dispute or claim arising out of or related to this Agreement shall be submitted for resolution under the procedures outlined in Attachment “B.” Within 90 days of the date of this Agreement, an ad hoc board designated as the Dispute Resolution Board, will be selected pursuant to the procedures identified below. The Dispute Resolution Board will be composed of two members from County and two members from SCDOT. These four members shall choose a fifth member employed neither by County nor SCDOT. This fifth member shall be a mediator certified in the State of South Carolina. The cost for the mediator shall be shared equally between County and SCDOT. The Board shall be empanelled for the entire duration of this Agreement and shall hear all disputes between County and SCDOT relating to this Agreement that cannot be resolved through the normal resolution process outlined in the Issues Escalation chart. In the event this process does not produce a resolution, the Parties may seek redress from the Court of Common Pleas for Beaufort County. Any court proceedings shall be non-jury. Exhaustion of this Dispute Resolution Process is a condition precedent to seeking a legal or equitable remedy.

B. Successors/Assigns:

County and SCDOT each bind themselves and their respective successors, executors, administrators, and assigns to the other Party with respect to these requirements, and also agree that neither Party shall assign, sublet, or transfer its interest in the Agreement without the written consent of the other.

C. Disadvantaged Business Enterprises:

County will provide opportunities for Disadvantaged Business Enterprises as required by state laws and regulations. County will coordinate with SCDOT’s DBE Office when establishing goals for the Project. The Parties hereto and their agents shall not discriminate on the basis of race, color, national origin, or sex in the performance of this Agreement or the work provided for herein. Where required, the Parties hereto and their agents shall carry out applicable requirements of 49 C.F.R. Part 26 in the administration of this Agreement.

D. Enforceability:

All of the terms, provisions, and conditions of this Agreement shall be binding upon and enforceable by the Parties, their respective elected officials, legal representatives, agents, employees, and their respective successors.

E. Amendment:

This Agreement may be amended or modified only by a written document, which has been signed by the Parties hereto, or by their duly authorized officials. County, or its authorized agent, shall agree to hold consultations with SCDOT as may be necessary with regard to the execution of supplements, modifications, or amendments to this Agreement during the course of the Project for the purpose of resolving any items that may have been



unintentionally omitted from this Agreement or arise from unforeseen events or conditions. Such supplemental agreements shall be subject to the approval and proper execution of the Parties hereto. No supplements, modifications, or amendments to this Agreement shall be effective or binding upon either Party unless both Parties agree in writing to any such changes.

F. Termination:

This Agreement may be terminated by County upon written notice to SCDOT, provided that County covers all costs incurred prior to termination and as the result of termination, including any required repayment of federal funds. If County fails to advance the Project to completion, SCDOT may terminate the Agreement upon written notice and County shall be responsible for all costs incurred prior to termination and as the result of termination, including any required repayment of federal funds.

G. Waiver:

No waiver of a breach of any of the covenants, promises, or provisions contained in this Agreement shall be construed as a waiver of any succeeding breach of the same covenant or promise or any other covenant or promise thereof. In no event shall any failure by either Party hereto to fully enforce any provision of this Agreement be construed as a waiver by such Party of its right to subsequently enforce, assert, or rely upon such provision.

H. Severability:

In the event that any part or provision of this Agreement shall be determined to be invalid or unenforceable, the remaining parts and provisions which can be separated from the invalid or unenforceable provision or provisions shall continue in full force and effect.

I. Captions:

The captions or headings herein are for convenience only and in no way define, limit, or describe the scope or intent of any provisions or sections of this Agreement.

J. Notices:

All notices pertaining to this Agreement shall be in writing and addressed as set forth below, and shall be deemed properly delivered, given, or served when: (i) personally delivered, or (ii) sent by overnight courier, or (iii) three days have elapsed following the date mailed by certified or registered mail, postage prepaid.

Notices to County:  
Beaufort County Government  
Attn.: County Engineer  
2266 Boundary Street

Beaufort, South Carolina 29902

Notices to SCDOT:

South Carolina Department of Transportation  
Attn.: Deputy Secretary for Engineering  
PO Box 191  
Columbia, South Carolina 29202

K. Further Documents:

Each Party will, whenever and as often as it shall be requested by the other Party, promptly and within a reasonable time, execute, acknowledge, and deliver, or cause to be executed, acknowledged, and delivered such further instruments or documents as may be necessary to carry out the intent and purpose of this Agreement.

L. Assignment:

This Agreement may not be assigned by either Party without the written consent of the other Party, unless otherwise provided by applicable law.

M. No Third-party Beneficiaries:

No rights in any Third-party are created by this Agreement, and no entity not a party to this Agreement may rely on any aspect of this Agreement, notwithstanding any representation, written or oral, to the contrary, made by any person or entity. The Parties hereto affirmatively represent that this Agreement is made solely for the benefit of the Parties hereto and their respective successors and assigns and not for the benefit of any Third-party who is not a signature party hereto. No party other than the signature Parties and their respective successors and assigns hereto shall have any enforceable rights hereunder, or have any right to the enforcement hereof, or any claim for damages as a result of any alleged breach hereof.

N. Multiple Counterparts:

This Agreement may be executed in counterparts, and if so executed, shall become effective when a counterpart has been executed and delivered by both Parties hereto. All counterparts taken together shall constitute one and the same Agreement and shall be fully enforceable as such. Delivery of counterparts via facsimile transmission or via email with scanned attachment shall be effective as if originals thereof were delivered.

O. Prior Agreements, Entire Agreement:

All obligations of the Parties, each to the other, relating to the subject matter of this Agreement, contained in any other document or agreement or based on any other communication prior to the execution of this Agreement have been satisfied or are

superseded by this Agreement. This Agreement constitutes the entire agreement between the parties relating to the subject matter hereof.

This Agreement, with the Appendices and Attachments hereto, sets forth the full and complete understanding of the Parties as of the date first above stated, and it supersedes any and all agreements and representations made or dated prior thereto.

The Parties make no representations, covenants, warranties, or guarantees, express or implied, other than those expressly set forth herein. The Parties' rights, liabilities, responsibilities, and remedies with respect to the services provided for in this Agreement shall be exclusively those expressly set forth in this Agreement.

This Agreement is to be interpreted under the laws of the State of South Carolina.

P. Reviews and Approvals:

Any and all reviews and approvals required of the Parties herein shall not be unreasonably denied, delayed, or withheld.

IN WITNESS WHEREOF, the Parties herein have executed this AGREEMENT as of the day and year first written above.

SIGNED, SEALED AND DELIVERED  
IN THE PRESENCE OF

BEAUFORT COUNTY

\_\_\_\_\_  
Witness

By: \_\_\_\_\_  
(Signature)

Title: \_\_\_\_\_

SOUTH CAROLINA DEPARTMENT OF  
TRANSPORTATION

\_\_\_\_\_  
Witness

By: \_\_\_\_\_  
Deputy Secretary for Finance & Administration or  
Designee

RECOMMENDED BY:

By: \_\_\_\_\_

Deputy Secretary or Designee

REVIEWED BY:

By: \_\_\_\_\_

Title: \_\_\_\_\_

**Attachment "A"**  
**Description of the Project**

**APPENDIX A**

**FORM OF BALLOT**  
**OFFICIAL BALLOT -- REFERENDUM**  
**LOCAL QUESTION NUMBER 2A**  
**AUTHORIZATION TO IMPOSE A ONE PERCENT (1%)**  
**TRANSPORTATION SALES AND USE TAX**  
**TO FINANCE THE TRANSPORTATION-RELATED PROJECTS DESCRIBED IN THE**  
**QUESTION 2A**

Precinct \_\_\_\_\_

No. \_\_\_\_\_

\_\_\_\_\_  
Initials of Issuing Officer

Local Question 2A

I approve a special transportation sales and use tax in the amount of one percent (1%) to be imposed in Beaufort County for not more than Four (4) years, or until a total of \$120,000,000 in resulting revenue has been collected, whichever comes first. The sales tax proceeds will be used for the following projects as described and for which an estimated capital cost is stated.

Hilton Head Island – US 278 Corridor Traffic Improvements: Repair and/or replace the existing spans of the bridges to Hilton Head Island and other improvements between Moss Creek Drive and Squire Pope Road .....\$80,000,000

Lady’s Island Corridor Traffic Improvements: Roadway traffic improvements between the Woods Memorial Bridge and the Chowan Creek Bridge as outlined in the Lady’s Island Corridor Study dated May 19, 2017.....\$30,000,000

Sidewalks and Multi-Use Pathways – Safe Routes to Schools: Installation and repair of sidewalks and multi-use pathways at multiple locations within Beaufort County so as to provide safe walking routes to schools and improved access to residential communities: (1) Burnt Church Road, Ulmer Road, and Shad Road, (2) Laurel Bay Road Pathway Widening, (3) Bluffton Parkway Phase 1, (4) Joe Frazier Road, (5) Meridian Road, (6) Alljoy Road, (7) Salem Road, Old Salem Road, and Burton Hill Road, (8) Middle Road, (9) Stuart Point, (10) Broad River Boulevard and Riley Road, (11) Broad River Drive, (12) Lake Point Drive and Old Miller Road Pathway Connection, (13) Dr. Martin Luther King, Jr. Drive, (14) Ribaut Road to Parris Island Gateway, (15) Pine Grove Road and Burton Wells Road, (16) Spanish Moss Trail Extension, (17) Seabrook Road, (18) Depot Road, (19) Chowan Creek Bluff, (20) U.S. 17 Pathway Extension, (21) Bruce K. Smalls, (22) Paige Point, (23) Big Road, and (24) Big Estate Road ..... \$10,000,000

Total: ..... \$120,000,000



Yes, in favor of the question [ ]

No, opposed to the question [ ]

If you are in favor of the question, place a check or cross-mark in the square after the words “Yes, in favor of the question”; if you are opposed to the question, place a check or cross-mark in the square after the words “No, opposed to the question.”

### Attachment “B” Issue Escalation and Dispute Resolution Process

The purpose of this process is to define the different levels of management in County and SCDOT that have the authority and responsibility to make decisions when lower levels of staff are unable to resolve issues that may arise during the life of the Program. Such issues should be addressed promptly in order to minimize delays to the Program and to avoid negative impacts to the Program, County, and SCDOT. County and SCDOT agree that if an issue cannot be resolved by the normal process of communications between County or its designee and SCDOT’s Program Manager, the following procedure will be adhered to by County and SCDOT. This diagram describes the escalation process, personnel involved, and time limitations for resolution. Should resolution not be reached in the duration listed below, the next level of management will be informed of the issue and they will then be responsible to make a decision within the allotted time period as shown below. These allotted time periods may be changed based on mutual agreement of the managers working to resolve the issue. Decisions reached through this process will be recorded in writing and signatures of the responsible person from County and SCDOT will sign an acknowledgement of the decision made within two days of concluding the decision.

SCDOT (Planning, Design, Right of Way Issues)	SCDOT (Construction issues)	County	Work Days
PROGRAM MANAGER	DISTRICT ENGR. ADMINISTRATOR	COUNTY ENGINEER	2
			
DIRECTOR OR PRECONSTRUCTION	DIRECTOR OF CONSTRUCTION	COUNTY ENGINEER / COUNTY ADMINISTRATOR	3
			
DEP. SECRETARY FOR ENGINEERING	DEP. SECRETARY FOR ENGINEERING	COUNTY ADMINISTRATOR	5

The Deputy Secretary for Engineering shall review and make the final determination on unresolved issues pertaining to right-of-way, design, and construction for routes within or to be added to the State Highway System. Should the County Administrator and the Deputy Secretary for Engineering be unable to resolve other issues that may arise during the program, either Party may request a resolution by the Dispute Resolution Board that shall hear the matter and reach a resolution to the dispute within ten days. By majority decision of the Board, this ten-day time frame to reach a resolution may be amended.

## Attachment C

### Project Closure Checklist Submitted by Beaufort County

(Enter Project Name)

(Enter Date of Submittal)

The following documentation has been provided to SCDOT, in a format acceptable to SCDOT:

#### County's Initial

1. Copies of required environmental documents/permits
  - a. Report showing NEPA/Permit Commitments complied with
  - b. US Army Corps of Engineers Close-out report
  - c. Notice of Termination for NPDES Permit

2. Design documents
  - a. As described elsewhere in this Agreement
  - b. Final Project plans suitable for delivery and recording pursuant to S.C. Code §57-5-570 (1991), and in accordance with SCDOT's As-Built Construction Plans Supplemental Specification, latest version
  - c. Electronic files of the Final Project plans as described in SCDOT's "Road Design Reference Material for Consultant Prepared Plans."

3. Right of way documents
  - a. Appraisals
  - b. Title search information
  - c. Deeds sufficient to convey to the SCDOT the additional highway right of way acquired by the Town. Titles shall be by special warranty and sufficient to convey the entire interest obtained by the Town from the Landowner.
  - d. Correspondence with property owners
  - e. Master exhibit prepared by the engineer of record outlining the rights of way to be conveyed to SCDOT.
  - f. Diaries or agents worksheets related to the acquisition of right of way
  - g. All Utility Agreements and No Cost Letters with supporting documentation.
  - h. Summary sheet showing all payments made by the Town against each Utility Agreement.
  - i. If applicable, all supporting information for cost increases to Utility Agreements.



4. Construction documents

- a. As-built drawings – As detailed in the IGA.
- b. Test reports
- c. Daily construction diaries



5. Other documents

- a. Assignments to the SCDOT of all contractors' payment and performance bonds in connection with the Project and a copy of the Surety's Consent for final payment.
- b. Releases, affidavits or other proof of payment to indicate full payment of all claims by contractors, their subcontractors or suppliers.
- c. DBE closeout obtained from SCDOT Office of Business Development, if federally funded and the project had a DBE goal.

This is to certify that results of the tests on job control samples indicate that the materials incorporated into the construction work and the construction operation controlled by sampling and testing are in reasonably close conformity with the approved plans and specifications, and such results compare favorably with the results of record sampling and testing. SCDOT concurrence was obtained in all instances in which materials did not conform to contract requirements.

DATED: \_\_\_\_\_

Beaufort County

By: \_\_\_\_\_

Its: \_\_\_\_\_

DATED: \_\_\_\_\_

South Carolina Department of Transportation

By: \_\_\_\_\_

Its: \_\_\_\_\_





# BEAUFORT COUNTY COUNCIL AGENDA ITEM SUMMARY

<b>ITEM TITLE:</b>
An Ordinance Authorizing the Conveyance of R510 008 000 0370 0000 and R510 008 000 0160 0000 to the Town of Hilton Head as part of the "Summit Drive Realignment Project"
<b>MEETING NAME AND DATE:</b>
Public Facilities Committee – December 21, 2020
<b>PRESENTER INFORMATION:</b>
Jared Fralix, ACA - Engineering (5 min)
<b>ITEM BACKGROUND:</b>
The County owns two parcels that will be effected by the Town of Hilton Head Island's project to construct a road to alleviate traffic congestion and improve safe access to and from the County's Convenience Center located at 26 Summit Drive, Hilton Head Island.
<b>PROJECT / ITEM NARRATIVE:</b>
The County believes the Town of Hilton Head Island's road project will greatly benefit the citizens, therefore; agrees to convey two properties to the Town. The approximate size of the two properties is 0.61 acres.
<b>FISCAL IMPACT:</b>
The fees associated with the conveyance of the properties will be paid for by the County from the Solid Waste and Recycling Professional Services account 10001340-5116L.
<b>STAFF RECOMMENDATIONS TO COUNCIL:</b>
Staff recommends approval of An Ordinance Authorizing the Conveyance of R510 008 000 0370 0000 and R510 008 000 0160 0000 to the Town of Hilton Head as part of the "Summit Drive Realignment Project"
<b>OPTIONS FOR COUNCIL MOTION:</b>
Motion to approve/deny An Ordinance Authorizing the Conveyance of R510 008 000 0370 0000 and R510 008 000 0160 0000 to the Town of Hilton Head as part of the "Summit Drive Realignment Project"
<i>Move forward to County Council for first reading.</i>

2020/\_\_\_\_\_

**AN ORDINANCE AUTHORIZING THE CONVEYANCE OF R510 008 000 0370 0000 AND R510 008 000 0160 0000 TO THE TOWN OF HILTON HEAD AS PART OF THE “SUMMIT DRIVE REALIGNMENT PROJECT”**

**WHEREAS**, Beaufort County (the “County”) is the owner of certain properties which is located on Hilton Head Island and which is being entitled “Summit Drive Realignment Project”. The parcels are located on Summit Drive, consisting of parcels R510 008 000 0370 0000 and R510 008 000 0160 0000 which collectively total approximately .61 acres more or less (the “Parcels”);

**WHEREAS**, the County owns the Parcels to be effected by the Town of Hilton Head’s (the “Town”) project to construct a road to alleviate traffic congestion and improve safe access to and from the Beaufort County Convenience Center located at 26 Summit Drive, Hilton Head Island; and

**WHEREAS**, the County believes the aforementioned road improvement project will greatly benefit the citizens therefore agrees to convey the property to the Town for a nominal amount, and agrees to pay for those fees customarily paid for by a seller of real property; and

**WHEREAS**, S.C. Code Ann. § 4-9-130 requires that the transfer of any interests in real property owned by the County must be authorized by the adoption of an ordinance by Beaufort County Council.

**NOW, THEREFORE, BE IT ORDAINED**, by Beaufort County Council does hereby authorize the conveyance of the Parcels, and authorizes the Interim County Administrator to execute any and all documents necessary to effectuate the conveyance of the above referenced property to the Town of Hilton Head on the conditions set forth above.

This \_\_\_\_\_ day of \_\_\_\_\_, 2020.

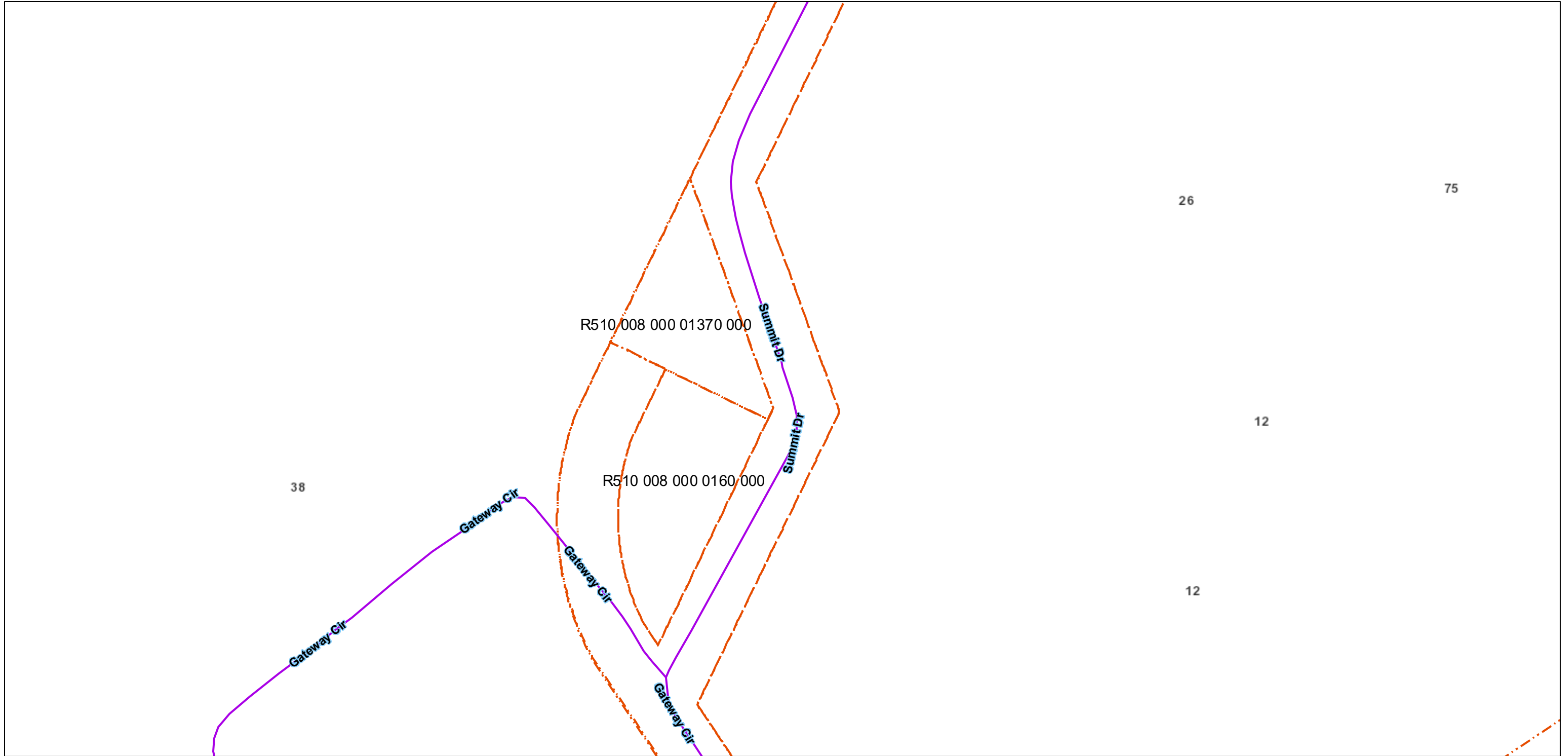
COUNTY COUNCIL OF BEAUFORT COUNTY

By: \_\_\_\_\_  
Joseph Passiment, Chairman

ATTEST:

\_\_\_\_\_  
Sarah W. Brock, Clerk to Council  
First Reading:  
Second Reading:  
Public Hearing:  
Third and Final Reading:

# Exhibit

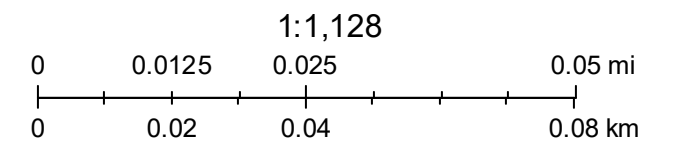


12/10/2020, 9:18:55 AM

### Road Classifications

MUNICIPAL, PAVED

LiveParcels





# BEAUFORT COUNTY COUNCIL AGENDA ITEM SUMMARY

<b>ITEM TITLE:</b>
Acceptance of a Community Development Block Grant Award for the Detour Road Sidewalk Extension Project.
<b>MEETING NAME AND DATE:</b>
Public Facilities Committee – December 21, 2020
<b>PRESENTER INFORMATION:</b>
Jared Fralix, ACA – Engineering (3 min)
<b>ITEM BACKGROUND:</b>
A Community Development Block Grant (CDBG) application was submitted to the Department of Commerce as a Special Project as part of their fall funding round for a sidewalk near the Whale Branch Early High School. The maximum grant available was for \$200,000.
<b>PROJECT / ITEM NARRATIVE:</b>
Detour Road Sidewalk Extension project helps provide a safe travel way for students walking to the Whale Branch Early College High School to the nearby neighborhoods. The proposed pathway is 8’ wide and 3,350lf in length. The County was awarded the maximum \$200,000 for the project.
<b>FISCAL IMPACT:</b>
The project cost estimate is \$459,868. The Community Development Block Grant is \$200,000 and the County’s Match is \$259,868. Of the match, \$250,000 will be provided from the Dale Solar Farm development agreement and the remaining \$9,868 will be provide from TAG funds.
<b>STAFF RECOMMENDATIONS TO COUNCIL:</b>
Staff recommends acceptance of the grant as awarded.
<b>OPTIONS FOR COUNCIL MOTION:</b>
Motion to recommend the acceptance of the Community Development Block Grant Award of \$200,000 for the Detour Road Sidewalk Extension Project.  Motion to deny the acceptance of the Community Development Block Grant Award of \$200,000 for the Detour Road Sidewalk Extension Project.
<i>(Next Step - Move forward to County Council for acceptance on January 11, 2020.)</i>



**Henry McMaster**  
Governor

**SOUTH CAROLINA**  
DEPARTMENT OF COMMERCE

**Robert M. Hitt III**  
Secretary

December 7, 2020

Mr. Eric Greenway  
Interim Administrator, Beaufort County  
Post Office Drawer 1228  
Beaufort, South Carolina 29901



RE: CDBG #4-SP-20-002

Dear Mr. Greenway:

Congratulations on your successful application for funding under the Special Projects Program. Enclosed is a copy of the grant agreement, which must be executed in order for Beaufort County to accept the Special Projects Grant from the Community Development Block Grant Program.

It is necessary that an official with legal authority to execute such contracts sign the three enclosed originals of the grant award (Signature Page of the Grant Agreement) and return two of these originals to this office.

All required reports are due in this office the day after the end of each federal fiscal quarter (January 2, April 1, July 1, October 1). Timely submission of reports will ensure the processing of requests for payments from your grant award. The first reporting date for your grant is April 1, 2021.

This grant award is subject to all the terms and conditions of the Grant Agreement under which this award is made. Please note that most contracts for work of any type associated with activities related to this grant award may not be entered into without first consulting this office to assure that all State and federal requirements are met. Such contracts, to be paid in whole or in part with funds from this grant, must be submitted to the Department of Commerce, Grants Administration for approval prior to execution.

Sincerely,

Lisa Kalsbeck  
Assistant Director, Federal Programs  
Grants Administration

Enclosures

cc: Ms. Jessica Dailey  
Finance

Department of Commerce  
Grants Administration  
1201 Main Street, Suite 1600  
Columbia, South Carolina 29201

GRANT AWARD

Grantee: Beaufort County

Date of Award: December 7, 2020

Grant Title: Detour Road Sidewalk Extension

Category: Special Projects

Grant Period: 12/2020 – 12/2022

Award Amount: \$200,000

Grant Number: 4-SP-20-002

In accordance with the provisions of Title I of the Housing and Community Development Act of 1974 (P.L. 93-383), as amended and on the basis of the grant application submitted, Grants Administration hereby awards funds to the above named Grantee, in the amount shown above, for the activities specified in the application and within the purposes and categories authorized. The acceptance of this award creates a contract between the State of South Carolina and the Grantee legally binding the Grantee to carry out the activities set forth in the approved grant application in accordance with the terms and conditions of the Grant Agreement. Contracts to be paid in whole or in part with funds from this grant must be submitted to Grants Administration for approval prior to execution. The special conditions for this grant, if any, are as follows:

**See attached Special Condition(s) for Community Development Block Grant (CDBG) # 4-SP-20-002.**

This contract shall become effective, as of the date of award, upon return of two copies of this grant award which have been signed in the space provided below. Both copies must have original signatures and must be returned within 15 days from the date above.

Lisa Kalsbeck  
Assistant Director, Federal Programs

**ACCEPTANCE FOR THE GRANTEE:**

\_\_\_\_\_  
Signature of Official with authority to execute this contract

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed or Printed Name and Title of Authorized Official

ATTEST:

\_\_\_\_\_  
Signature of Elected City or County Council Member

\_\_\_\_\_  
Signature of Elected City or County Council Member

CFDA: 14.228

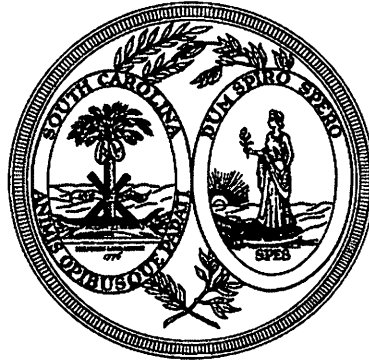
## **Community Development Block Grant (CDBG) Special Conditions**

### **Grantee: Beaufort County - Grant #4-SP-20-002**

- 1) The Grantee must submit any revised application information required by Grants Administration within fifteen (15) days of the date of notification.
- 2) Within thirty (30) days of grant award, the Grantee must provide to Grants Administration a revised Resolution reflecting the appropriate amount of CDBG and local funding and containing the required cost savings language.
- 3) The Grantee must provide a written certification from the engineer/architect that all applicable federal accessibility requirements have been met prior to grant closeout.
- 4) A technical assistance visit must be conducted with the grant administrator, local government officials, and subrecipient (if applicable) within 120 days of grant award.
- 5) The CDBG Program Start-up Checklist must be completed and submitted to Grants Administration within 120 days.
- 6) The project must be substantially underway within 6 months of grant award. The Grantee must take appropriate administrative actions to implement the project in a timely manner to insure that the project is programmatically closed within 24 months of grant award. Failure to begin the project or implement it in a timely manner may result in grant termination.
- 7) The Grantee must take appropriate actions to ensure that the local matching funds are documented as expended prior to or prorata with the drawdown of CDBG funds, unless otherwise approved by Grants Administration. CDBG funds may be held if all of the match cannot be documented prior to the final 10% of CDBG funds being drawn.
- 8) Cost savings should be prorated among the funding sources, unless otherwise approved. Cost overruns will be a local responsibility.
- 9) Grants Administration recommends sending the CDBG administrator, rehabilitation inspector or other appropriate personnel to CDBG Implementation and Compliance training sponsored by Grants Administration.

Unless otherwise specified, the Grantee must submit all required information set forth above to Grants Administration within 120 days of grant award.

**STATE OF SOUTH CAROLINA  
COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM**



**GRANT AGREEMENT**

The Grant Award serves as the signature page for this Community Development Block Grant (CDBG) Program Grant Agreement for Beaufort County - CDBG #4-SP-20-002. Three identical Grant Award pages have been included for signature by appropriate representatives of the Grantee. Two of the Grant Award pages, with the required original signatures, must be returned **within 15 days**. The third Grant Award page with original signatures should be maintained in the Grantee's files along with this Grant Agreement.



STATE OF SOUTH CAROLINA  
COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM

GRANT AGREEMENT

Upon receipt by the State of the appropriately signed Grant Award, the State agrees to provide to the Grantee the Federal Assistance under Title I of the Housing and Community Development Act of 1974, as amended, subject to the terms and conditions of this Grant Agreement, applicable laws, regulations and all other Federal and State requirements now or hereafter in effect. This Grant Agreement is effective with respect to such Assistance as of the date of the Grant Award and consists of the Grant Award hereto attached, together with the State approved Application, including any Assurances, certifications, maps, schedules or other submissions made, or to be made, with respect thereto.

1. Definitions: Except to the extent modified or supplemented by this Grant Agreement, any term defined in Title I of the Housing and Community Development Act of 1974, as amended, shall have the same meaning when used herein. The following terms are specifically used in this Grant Agreement:

- (a) Act means Title I of the Housing and Community Development Act of 1974, as amended.
- (b) Agreement means this Grant Agreement, as described herein and in any amendments or supplements hereto.
- (c) Application means the application for the Assistance which has been approved by the State and is incorporated as part of this Agreement.
- (d) Assistance means the CDBG grant funds provided, or to be provided, to the Grantee by the State, pursuant to this Agreement.
- (e) Assurances when capitalized, means the certifications and assurances submitted pursuant to the Act and other requirements of the State.
- (f) CDBG means Community Development Block Grant.
- (g) Grantee means each entity designated as the recipient of the Assistance in the Grant Award and signing the acceptance provision of the Grant Award.
- (h) HUD means U.S. Department of Housing and Urban Development.
- (i) Program means the community development program, project, or other activities, including the administration thereof, funded in whole or in part, under this Agreement.
- (j) State means the State of South Carolina, or that agency, agency division, or Office of State government which has been delegated the responsibility for administering the Community Development Block Grant program for the State of South Carolina, as appropriate.

2. CDBG Program Requirements: Grantees must comply with the requirements of Title I of the Housing and Community Development Act of 1974, as amended; with 24 CFR Part 570, Subpart I Community Development Block Grant State Program Regulations, and Subpart C, Eligible Activities; as well as the policies and procedures of the South Carolina CDBG program as

included in the CDBG Program Implementation Manual or other State program documents applicable to the Assistance.

3. Federal and State Laws: This Agreement renders the Grantee responsible for compliance with all Federal or State laws, Executive Orders, and regulations applicable to the receipt and administration of Assistance provided under this Agreement. Such laws, Executive Orders, and regulations include, but are not limited to, the following:
  - (a) Financial Management Requirements: The Grantee must comply with the applicable requirements of the Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards found in 2 CFR Part 200. The Grantee must make available to the State or Federal government, or their representatives, all records related to the matters and activities of the Program for the purposes of audit and inspection.
  - (b) Environmental Review: The Grantee is required to assume responsibility for environmental review decision making in accordance with Section 104(f) of the Act; 24 CFR Part 58, Environmental Review Procedures for Title I CDBG Programs; and 40 CFR Parts 1500-1508, National Environmental Policy Act regulations.
  - (c) Equal Employment Opportunity: In accordance with Executive Order 11246 and other applicable Federal and State laws, Executive Orders and regulations, the Grantee cannot discriminate on the basis of race, color, religion, sex, national origin, familial status, or disability in the admission of or access to, treatment in or employment in, the Program.
  - (d) Non-Discrimination Under Title VI of the Civil Rights Act of 1964: This Agreement is subject to the requirements of Title VI of the Civil Rights Act of 1964 (P.L.88-352), as amended, and HUD regulations with respect thereto, including the regulations under 24 CFR Parts 100 - 180.
  - (e) Ineligible Contractors Under Executive Order 11246 and State Regulations: The Grantee agrees that it will refrain from entering into any contract or modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, government contracts and federally assisted construction contracts pursuant to the Executive Order. The Grantee will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the State pursuant to Part II, Subpart D of the Executive Order. In addition, the Grantee may not award contracts to any contractors who are ineligible to receive contracts under any applicable regulations of the State.
  - (f) "Section 3" Compliance in the Provision of Training, Employment and Business Opportunities: This Agreement is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968 (12 USC 1701u), as amended, the implementing regulations found in 24 CFR Part 135, State regulations issued pursuant thereto, and any applicable rules and orders of the State issued thereunder prior to the State authorization of the Grant Award.
  - (g) South Carolina Illegal Immigration Reform Act: The Grantee is required to comply with the South Carolina Illegal Immigration Reform Act (signed June 4, 2008) requiring verification of lawful presence in the United States of any alien eighteen years of age or older who has applied for State or local public benefits, as defined in 8 U.S.C. Section 1621, or for Federal public benefits, as defined in 8 U.S.C. Section 1611.

- (h) **Federal Labor Standards Provisions:** Except with respect to the rehabilitation of residential property designed for residential use for less than eight units, the Grantee and all contractors engaged under contracts in excess of \$2,000 for the construction, completion or repair of any building or work financed in whole or in part with Assistance provided under this Agreement, shall comply with Federal requirements pertaining to such contracts and the applicable requirements of the regulations of the State, governing the payment of wages and the ratio of apprentices and trainees to journeymen, provided, that if wage rates higher than those required under such regulations are imposed by the State or local law, nothing hereunder is intended to relieve the Grantee of its obligation, if any, to require payment of the higher rates. The Grantee shall cause or require to be inserted in full, in all such contracts subject to such regulations, provisions meeting the requirements of 29 CFR Part 5.5.
- (i) **Subcontracting with Small and Minority Firms, Women's Business Enterprise and Labor Surplus Areas:** It is national policy to award a fair share of contracts to disadvantaged business enterprises (DBEs), small business enterprises (SBEs), minority business enterprises (MBEs) and women's business enterprises (WBEs). Accordingly, affirmative steps must be taken to assure that DBEs, SBEs, MBEs and WBEs are utilized when possible as sources of supplies, equipment, construction and services. Affirmative steps shall include the following:
- (1) Including qualified DBEs, SBEs, MBEs and WBEs on solicitation lists;
  - (2) Assuring that DBEs, SBEs, MBEs and WBEs are solicited whenever they are potential sources;
  - (3) Whenever economically feasible, dividing total requirements into smaller tasks or quantities so as to permit maximum participation by DBEs, SBEs, MBEs and WBEs;
  - (4) Where the requirement permits, establishing delivery schedules which will encourage participation by DBEs, SBEs, MBEs and WBEs;
  - (5) Using the services and assistance of the Small Business Administration, Minority Business Development Agency, the State Office of Small and Minority Business Assistance, the U.S. Department of Commerce and the Community Services Administration as required; and
  - (6) Requiring the subcontractor, if any, to take the affirmative actions outlined in (1) – (5) above.
- (j) **Fair Housing:** The Grantee is prohibited from taking any action that in any way makes unavailable or denies a dwelling to any person because of race, color, religion, sex, national origin, familial status or disability. The Grantee must comply with Title VIII of the Civil Rights Act of 1968, as amended, Executive Order 11063, and the South Carolina Fair Housing Law.
- (k) **Fair Housing Plans:** The Grantee will provide the State with a Fair Housing Plan which includes a written description of the action(s) the Grantee will undertake to affirmatively further fair housing. The State reserves the right to withhold all or a portion of the Assistance until such plan has been received and approved.
- (l) **Age Discrimination Act of 1975:** The Grantee shall ensure that no person shall be excluded from participation, be denied program benefits, or be subject to discrimination, on the basis of age under any part of the Program.
- (m) **Section 504 of the Rehabilitation Act of 1973:** Every recipient of Federal funds, including subgrantees, must comply with Section 504 of the Rehabilitation Act of 1973, as amended.

06/2019

The Grantee agrees that no otherwise qualified individual with disabilities shall, solely by reason of his disability, be denied the benefits, or be subjected to discrimination under any part of the Program.

- (n) Acquisition and Relocation: In carrying out the Program, the Grantee is required to comply with the requirements of the Uniform Relocation Assistance and Real Property Acquisition Act of 1970, as amended, and the implementing HUD regulations at 49 CFR Part 24 and 24 CFR Part 570.
  - (o) Lead Based Paint Hazards: The construction or rehabilitation of residential structures with the Assistance is subject to the HUD Lead-Based Paint regulations at 24 CFR Part 35.
  - (p) Compliance with Air and Water Acts: (Applicable to construction contracts and related subcontracts exceeding \$100,000) The Program is subject to the requirements of the Clean Air Act, as amended; 42 USC §7401 et seq.; the Federal Water Pollution Control Act, as amended; 33 USC §1251 et seq.; and the regulations of the Environmental Protection Agency with respect thereto at 40 CFR Part 15, as amended from time to time, and the South Carolina Stormwater Management and Sediment Reduction Act.
4. Personnel: The Grantee agrees that it has the necessary personnel, or will hire the necessary personnel, to carry-out the activities described in the Application. All persons employed must be fully qualified and authorized to carry out such activities under such Federal, State and local laws, as may be applicable.
  5. Amendments: Any changes to this Agreement, including changes in activities and budgets of the Application, must be approved in writing by the State and shall be incorporated in written amendment(s) to this Agreement, except as may be provided in the following section "Budget Changes."
  6. Budget Changes: Any change in a line item of the budget must have prior written approval by the State. This applies to the collective total of the line item, regardless of the source of funds. However, no increase for the budget item *General Administration* is allowed without prior written approval by the State, regardless of the amount or percentage of increase or the source of funds. Without written approval from the State, the maximum amount which may be budgeted for general administration from the Assistance is ten (10%) of the total activity costs, excluding administration costs.
  7. Funding Overruns/Underruns: The Grantee must meet its funding commitment. In the event there are cost underruns in the Program, the savings will be prorated among all funding sources unless otherwise approved by the State, a regulatory requirement by another Federal funding agency supersedes, or the savings could be accrued to another grant program funded by the State. In the event there are cost overruns in the Program, this Agreement creates no obligation on the part of the State to provide funds for the cost overruns.
  8. Incurrence of Costs and Release of Funds: The Grantee may not obligate or expend the Assistance on any activities described in the Application, except those exempted under 24 CFR Part 58, until the State has approved the Grantee's Request for Release of Funds and related certifications. In no case, without prior written approval by the State, may the Grantee incur costs or expend funds to be paid or reimbursed with the Assistance. Funds obligated or expended without the State's written approval shall be considered ineligible costs and are not eligible for payment with the Assistance.

9. Reporting Requirements: The Grantee agrees to complete and submit all reports, in such form and according to such schedule, as may be required by the State. Further, the Grantee agrees to require any subrecipients or contractors to submit reports that may be required and to incorporate such language in its agreements.
10. Program Progress: Significant activity must be underway within six months of the date of this Agreement unless otherwise approved by the State. If, within six months of the date of this Agreement, substantial progress is not being made, the State reserves the right to terminate this Agreement and require the repayment of any of the Assistance provided to the Grantee under this Agreement. Determination of substantial progress will be based on the Grantee's compliance with the Grantee's Target Plan or Implementation Schedule, as approved by the State.
11. Project Completion: The Program is expected to be completed within 24 months of the date of Grant Award. Unless otherwise defined by the State, completion is the final documentation of funds expended, accomplishment of CDBG National Objectives, and receipt by the State of the Grantee's Close-out Report. Future funding may be contingent upon timely and acceptable compliance with this Agreement. Extensions to Program periods may be made at the discretion of the State.
12. Change of the Use of Real Property: Unless the Grantee obtains prior written approval from the State, there may be no change in the use or planned use of any real property acquired in whole or in part or improved in whole or in part using CDBG funds in excess of \$150,000. This requirement shall apply from the date the CDBG funds are first spent for the property or the improvement until five years after final close-out of the CDBG grant from which the Assistance was provided.
13. Copyright: Except as otherwise provided in this Agreement, the Grantee or any third party or contractor paid through the Assistance is free to copyright any books, publications, or other copyright able materials developed in the course of or under the Program. However, HUD and the State reserve a royalty-free, non-exclusive, and irrevocable license to reproduce, publish or otherwise use, and to authorize others to use for Federal government and State purposes: the copyright in any work developed under the Program or through a contract under this Agreement; and any rights of copyright to which a subgrantee or contractor purchases ownership with Assistance support. The Federal government's rights and the State's rights identified above must be conveyed to the publisher, and the language of the publisher's release form must ensure the preservation of these rights.
14. Prohibition Against Payments of Bonus or Commission: The Assistance provided under this Agreement shall not be used in the payment of any bonus or commission for the purpose of obtaining State approval of the Application for such Assistance, or State approval of applications for additional assistance, or any other approval or concurrence of the State required under this Agreement, the Act or HUD regulations with respect thereto. However, reasonable fees for bona fide technical, consultational, managerial or other such services, other than actual solicitation, are not hereby prohibited if otherwise eligible as Program costs.

15. Ownership: Title to property acquired in whole or in part with the Assistance shall be vested in the Grantee, subject to divestment by the State, where its use for approved community development activities is discontinued. The Grantee should exercise caution in the use, maintenance, protection, and preservation of such property. The Grantee must submit, in the form prescribed by the State, a list of all non-expendable property acquired with the Assistance pursuant to this Agreement at the time of the final close-out of the CDBG grant from which the Assistance was provided, and the Grantee must agree to be subject to audit by the State or its duly authorized representatives for verification of the information. A physical inventory must be conducted every two years for the life of the property.
16. Maintenance of Records: Records for non-expendable property purchased totally or partially with Assistance provided under the Agreement and all other pertinent grant records including financial records, supporting documents, and statistical records must be retained for three years after Grants Administration closes the State Program Year's allocation with HUD. However, if any litigation, claim, or audit is started before the expiration of the maintenance period, then all records must be retained for five years after the litigation, claim, or audit is resolved.
17. Access: All records with respect to all matters covered by this Agreement shall be made available at any time for audit and inspection by HUD, the State, or their representatives, upon request.
18. Freedom of Information: The Grantee acknowledges and agrees that this Agreement and certain other information related to the CDBG award are or may be subject to public disclosure to the South Carolina Freedom of Information Act and that the Grantee and the State are required to comply with the provisions of that Act.
19. Confidential Information: Any reports, information, data, etc., given to, prepared by, or assembled by the Grantee under this Agreement, which the State requests to be kept confidential, shall not be made available to any individual or organization by the Grantee without prior written approval of the State.
20. Obligations of Grantee with Respect to Certain Third Party Relationships: The Grantee shall remain fully obligated under the provisions of the Agreement notwithstanding the Grantee's designation of, or contract with, any third party or parties for the undertaking of all or any part of this Agreement. The Grantee shall require that any such third party comply with all applicable requirements of this Agreement.
21. Conflict of Interest: The Grantee shall comply with the more restrictive provisions of 2 CFR Part 200.112, and 200.113, 24 CFR Part 570.611, or Section 8-13-100 et. seq. of the Code of Laws of South Carolina, 1976, as applicable.
22. Personal Information: The Grantee shall comply with the SC Financial Identity Fraud and Identity Protection Act in protecting any personally identifiable information.
23. Sanctions: If the Grantee does not comply with the provisions of this Agreement, the State may take any or all of the following actions: require repayment of all or a portion of any Assistance provided; require the Grantee to take corrective actions to comply with this Agreement; cancel, terminate, or suspend, in whole or in part, the Assistance in this Agreement; or, refrain from extending any further assistance to the Grantee until such time as the Grantee is in full compliance.

24. Liability: The Grantee understands that the Department of Commerce accepts no liability for the Project nor any responsibility other than its agreement to provide the Grantee the Grant funds for the Project as approved in the original application, insofar as such funds are expended in accordance with the terms and conditions of this Agreement. During the term of the Grant, the Grantee should maintain tort liability insurance or shall have a self-funded and excess liability program with coverage amounts sufficient to meet the limits set forth under the SC Torts Claims Act in Section 15-78-120, as may be amended.

The Grantee agrees to repay to the State, upon demand by the State, monies equal to the amount of the Assistance provided to the Grantee pursuant to this Agreement which the State has determined that the Grantee, its agents or assigns, have caused to be advanced and/or expended in violation of this Agreement or in violation of any Federal, State, or local laws or policies governing the use of CDBG funds.

This provision also applies to any monies determined by the State to be income generated by funds provided to the Grantee pursuant to this Agreement. The State is the sole arbiter in all matters concerning the eligibility of costs and the interpretation of the provisions of law, statute and policy, as well as the terms and conditions of this Agreement, except to the extent that the State's prerogative may be superseded by the Federal government or by a court of law having jurisdiction over such matters.

25. Termination of the Agreement: The State may, upon written notification to the Grantee, terminate all or part of the Assistance to be provided pursuant to this Agreement for failure to comply with the terms and conditions of this Agreement. This Agreement may also be terminated, in whole or in part, with the mutual consent of the State and the Grantee, upon written notification.
26. Terms and Conditions: The State reserves the right to add or delete terms and conditions of this Agreement as may be required by revisions and additions to changes in the Federal regulations and laws governing the State's CDBG Program.
27. Severability: If any provision of this Agreement is or becomes illegal, invalid, or unenforceable in any respect, the legality, validity, and enforceability of the other provisions of this Agreement shall not in any way be affected or impaired thereby.
28. Venue: In addition to the previously cited Federal laws and regulations, this Grant Agreement is also made under and shall be construed in accordance with the laws of the State. By executing this Agreement, the Grantee also agrees to submit to the jurisdiction of the courts of the State or the appropriate Federal courts for all matters arising or to arise hereunder.

# CDBG Program - Fall 2020 Grant Awards

Item 12.

## COMMUNITY ENRICHMENT

Grantee	Project Title	Grant Award
Anderson County	South Anderson Neighborhood Demolition	239,150
City of Bennettsville	West Bennettsville Neighborhood Demolition	500,000
Town of Cowpens	South Main Streetscape Improvements	521,000
Darlington County	South Darlington Substation Fire Truck	451,000
City of Denmark	Fire Truck	366,300
Florence County	Timmonsville Fire Truck	500,000
City of Georgetown	West End Neighborhood Demolition	375,000
Town of Jonesville	Wellington Mill Brownfield Clearance	500,000
Town of McCormick	North Main/Augusta Streetscape Improvements	750,000
Town of Pamplico	Fire Truck	500,000
Town of Port Royal	Paris Avenue Streetscape Improvements	644,490

## NEIGHBORHOOD REVITALIZATION

Grantee	Project Title	Grant Award
Town of Cheraw	Agerton Neighborhood Revitalization - Phase I	500,000

## SPECIAL PROJECTS

Grantee	Project Title	Grant Award
City of Beaufort	Spanish Moss Trail Extension	200,000
Beaufort County	Detour Road Sidewalk Extension	200,000
Hampton County	Ambulance Purchase	200,000





# BEAUFORT COUNTY COUNCIL AGENDA ITEM SUMMARY

<b>ITEM TITLE:</b>
Old Federal Courthouse Update
<b>MEETING NAME AND DATE:</b>
Public Facilities Committee – December 21, 2020
<b>PRESENTER INFORMATION:</b>
Jared Fralix, ACA - Engineering (2 min)
<b>ITEM BACKGROUND:</b>
Status Update on the old Federal Courthouse
<b>PROJECT / ITEM NARRATIVE:</b>
N/A
<b>FISCAL IMPACT:</b>
N/A
<b>STAFF RECOMMENDATIONS TO COUNCIL:</b>
N/A
<b>OPTIONS FOR COUNCIL MOTION:</b>
Informational only. No action needed by Committee.



# BEAUFORT COUNTY COUNCIL AGENDA ITEM SUMMARY

<b>ITEM TITLE:</b>
2018 One Cent Sales Tax Update
<b>MEETING NAME AND DATE:</b>
Public Facilities Committee – December 21, 2020
<b>PRESENTER INFORMATION:</b>
Jared Fralix, ACA - Engineering (5 min)
<b>ITEM BACKGROUND:</b>
N/A
<b>PROJECT / ITEM NARRATIVE:</b>
N/A
<b>FISCAL IMPACT:</b>
N/A
<b>STAFF RECOMMENDATIONS TO COUNCIL:</b>
N/A
<b>OPTIONS FOR COUNCIL MOTION:</b>
For information only. No action needed by Committee.



# BEAUFORT COUNTY COUNCIL AGENDA ITEM SUMMARY

<b>ITEM TITLE:</b>
Update on Convenience Center changes and Decal System
<b>MEETING NAME AND DATE:</b>
Public Facilities Committee – December 21, 2020
<b>PRESENTER INFORMATION:</b>
Cindy Carter, Solid Waste and Recycling Director Jared Fralix, ACA-Engineering (Alternate) (Time Needed for Item Discussion = 5 minutes)
<b>ITEM BACKGROUND:</b>
Implementation of operational changes to the Beaufort County Convenience Centers as reflected in the Goldsmith report of November 2019. New hours and days of operation began October 1, 2020. Decal applications available October 19, 2020. Mailings out to residents starting November 13, 2020
<b>PROJECT / ITEM NARRATIVE:</b>
Progress Update
<b>FISCAL IMPACT:</b>
Pending: Cost impact to be evaluated after implementation of Convenience Center changes and effective Decal System.
<b>STAFF RECOMMENDATIONS TO COUNCIL:</b>
Update only
<b>OPTIONS FOR COUNCIL MOTION:</b>
Update only



# BEAUFORT COUNTY COUNCIL AGENDA ITEM SUMMARY

<b>ITEM TITLE:</b>
Keep Beaufort County Beautiful Board Logo
<b>MEETING NAME AND DATE:</b>
Public Facilities Committee – December 21, 2020
<b>PRESENTER INFORMATION:</b>
Cindy Carter, Solid Waste and Recycling Director Jared Fralix, ACA-Engineering (Alternate) (Time Needed for Item Discussion = 5 minutes)
<b>ITEM BACKGROUND:</b>
Keep Beaufort County Beautiful Board was awarded a grant to update their logo from the standard template. The new logo is approved by the Board and will be used to promote beautification, litter control and waste reduction while educating the Beaufort County community.
<b>PROJECT / ITEM NARRATIVE:</b>
Information only
<b>FISCAL IMPACT:</b>
All costs were covered by the 2020 Palmetto Pride Keep South Carolina Beautiful Grant.
<b>STAFF RECOMMENDATIONS TO COUNCIL:</b>
Information only
<b>OPTIONS FOR COUNCIL MOTION:</b>
Information only

Original Logo:



New Logo:





# BEAUFORT COUNTY COUNCIL AGENDA ITEM SUMMARY

<b>ITEM TITLE:</b>
APPROVAL OF APPOINTMENT
<b>MEETING NAME AND DATE:</b>
PUBLIC FACILITES COMMITTEE MEETING <ul style="list-style-type: none"><li>• DECEMBER 21, 2020</li></ul>
<b>PRESENTER INFORMATION:</b>
COMMITTEE CHAIRMAN FLEWELLING
<b>ITEM BACKGROUND:</b>
STORMWATER MANAGEMENT UTILITY BOARD <ul style="list-style-type: none"><li>• BRIAN WATKINS - AT LARGE<ul style="list-style-type: none"><li>○ WILLIAM BRUGGEMAN SUBMITTED RESIGNATION EFFECTIVE 12/2020 •</li></ul></li></ul>
<b>PROJECT / ITEM NARRATIVE:</b>
CONSIDERATION OF THE APPOINTMENT OF BRIAN WATKINS TO STORMWATER MANAGEMENT UTILITY BOARD
<b>FISCAL IMPACT:</b>
N/A
<b>STAFF RECOMMENDATIONS TO COUNCIL:</b>
APPROVE, MODIFY OR REJECT
<b>OPTIONS FOR COUNCIL MOTION:</b>
MOTION TO (APPROVE, MODIFY, REJECT) APPOINTMENT OF BRIAN WATKINS TO STORMWATER MANAGEMENT UTILITY BOARD.

Brian L. Watkins



11-06-2020

Brief Resume  
Beaufort County Council Members

Dear Beaufort County Council Members

I have the following abilities to volunteer on several boards if appointed. I wish to submit my desire to serve our community on the boards listed on the application. As a born and raised resident of Beaufort, SC. I've seen what used to be a small county built into what it is today.

I served in the U.S. Army and medically retired in 2000. After returning to the lowcountry I have served with the South Carolina State Fire as a volunteer Search & Rescue Canine officer. I currently serve at the will if requested by FEMA for disaster response and recovery. Please see the following areas that qualify me to serve.

- Experience in management, team building and problem solving?
- Excellent written and oral communication skills?
- A passion to learn and to increase skills?

I would very much like to discuss opportunities with current members of Beaufort Council. To schedule an interview, please call me at [REDACTED]. The best time to reach me is between 8:00AM and 5:00PM, but you can leave a voice message at any time, and I will return your call.

Thank you for taking the time to review my brief resume. I look forward to talking with you.

Sincerely,

Brian Watkins

1993-2000 U.S. ARMY European Command Germany  
Medically Retired

2001-2016 American Red Cross Palmetto Chapter  
Disaster Operations, Shelter Operations, AED, CPR,  
Instructor, Life Guard.

2010-2018 South Carolina State Fire, SC-TF1 Urban Search & Rescue  
Logistics Officer, Canine Officer, Rescue Operations.

2010-Currently FEMA  
Disaster Canine Handler

Thank You for your consideration,  
Brian L. Watkins





COUNTY COUNCIL OF BEAUFORT COUNTY  
County Boards, Agencies, Commissions, Authorities and Committees



County Council of Beaufort County selects citizens for service on Council appointed Boards, Agencies, Commissions, Authorities and Committees from a roster of individuals who have either volunteered or have been recommended for appointment. The Clerk to Council uses this form to keep an up-to-date roster of volunteers and to provide Council basic information about each volunteer.

**Top Three Priorities:** Please indicate by placing a "1", "2", or "3" alongside your choices.

**BOARDS AND COMMISSIONS**

- Accommodations Tax (2% State)
- 7  Airports
- Alcohol and Drug Abuse
- Assessment Appeals
- Beaufort County Transportation
- Beaufort-Jasper Economic Opportunity
- Beaufort-Jasper Water & Sewer
- Beaufort Memorial Hospital
- 1  Bluffton Township Fire
- 2  Burton Fire
- Coastal Zone Management Appellate (inactive)
- Construction Adjustments and Appeals
- 4  Daufuskie Island Fire
- Design Review
- Disabilities and Special Needs
- Economic Development Corporation
- Forestry (inactive)
- Historic Preservation Review
- Keep Beaufort County Beautiful
- 3  Lady's Island / St. Helena Island Fire
- Library
- Lowcountry Council of Governments
- Lowcountry Regional Transportation Authority
- Parks and Recreation
- Planning \*
- Rural and Critical Lands Preservation
- 5  Sheldon Fire
- Social Services (inactive)
- Solid Waste and Recycling
- Southern Beaufort County Corridor Beautification
- 6  Stormwater Management Utility
- Zoning

DATE: 11-06-2020 NAME: Brian L. Watkins

BEAUFORT COUNTY VOTER REGISTRATION NUMBER: [REDACTED]

OCCUPATION: US Military Retired/ SC STATE FIRE VOLUNTEER

TELEPHONE: (Home) [REDACTED] (Office) [REDACTED] EMAIL: [REDACTED]

HOME ADDRESS: [REDACTED] STATE: SC ZIP CODE: [REDACTED]

MAILING ADDRESS: [REDACTED] STATE: SC ZIP CODE: [REDACTED]

COUNTY COUNCIL DISTRICT: 1  2  3  4  5  6  7  8  9  10  11

ETHNICITY: Caucasian  African American  Other

Are you presently serving on a Board, Agency, Commission, Authority or Committee? Yes  No

If "yes", what is the name of the board and when does term expire? [REDACTED]

- Please return completed form **and a brief resume'** either Email or U.S. Mail:
  - Email: [boardsandcommissions@bcgov.net](mailto:boardsandcommissions@bcgov.net)
  - U.S. Mail: Clerk to Council, County Council of Beaufort County, P.O. Drawer 1228, Beaufort, SC 29901
- Applications without a brief resume' cannot be considered.
- Applications will be held **three (3) years** for consideration.
- All information contained on this application is subject to public disclosure.

**YOU MUST BE A BEAUFORT COUNTY REGISTERED VOTER TO APPLY**  
**YOU MUST ATTACH YOUR RESUME' WITH THIS APPLICATION TO BE CONSIDERED**  
An incomplete application will be returned

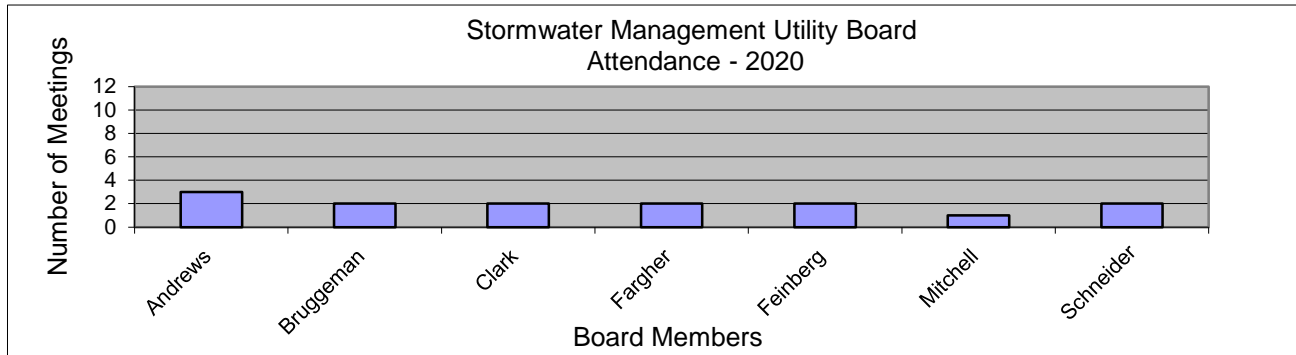
**\* Anyone submitting an application to serve on the Planning Commission must fill out the questionnaire on page 2.**

Applicant's Signature: [REDACTED]

Stormwater Management Utility Board  
Attendance 2020

Month Date	January	February	March	April	May	June	July	August	September	October	November	December	Total	Average
	8	12	11	8	13	10	8	12	9	14	10	9		
Andrews	1	1	1	*	*	*							3	100%
Bruggeman	1	0	1	*	*	*							2	67%
Clark	1	1	0	*	*	*							2	67%
Fargher	0	1	1	*	*	*							2	67%
Feinberg	1	0	1	*	*	*							2	67%
Mitchell	1	0	0	*	*	*							1	33%
Schneider	1	1	0	*	*	*							2	67%

- 1 - Present
- 0 - Absent
- \* No meeting
- \*\* Appointed
- \*\*\* Resigned



Beaufort County Code of Ordinances: Article V. Boards and Commissions, Division 1, Section 2-193 Membership states: "Members shall be removed automatically for: (a) Absences from more than 1/3 of the board or agency meetings per annum whether excused or unexcused; (b) Failure to attend any three consecutive regular meetings."