

COUNTY COUNCIL OF BEAUFORT COUNTY  
ADMINISTRATION BUILDING  
BEAUFORT COUNTY GOVERNMENT ROBERT SMALLS COMPLEX  
100 RIBAUT ROAD  
POST OFFICE DRAWER 1228  
BEAUFORT, SOUTH CAROLINA 29901-1228

D. PAUL SOMMERVILLE  
CHAIRMAN

GERALD W. STEWART  
VICE CHAIRMAN

COUNCIL MEMBERS

CYNTHIA M. BENSCHE  
RICK CAPORALE  
GERALD DAWSON  
BRIAN E. FLEWELLING  
STEVEN G. FOBES  
ALICE G. HOWARD  
WILLIAM L. MCBRIDE  
STEWART H. RODMAN  
ROBERTS "TABOR" VAUX

TELEPHONE: (843) 255-2000

FAX: (843) 255-9401

www.bcgov.net

GARY T. KUBIC  
COUNTY ADMINISTRATOR

JOSHUA A. GRUBER  
DEPUTY COUNTY ADMINISTRATOR  
SPECIAL COUNSEL

THOMAS J. KEAVENY, II  
COUNTY ATTORNEY

SUZANNE M. RAINEY  
CLERK TO COUNCIL

AGENDA  
PUBLIC FACILITIES COMMITTEE

Monday, October 19, 2015

3:00 p.m.

Conference Room, Building 3  
Beaufort Industrial Village

104 Industrial Village Road, Beaufort

Committee Members:

Gerald Dawson, Chairman  
Roberts "Tabor" Vaux, Vice Chairman  
Cynthia Bensch  
Rick Caporale  
Steve Fobes  
Alice Howard  
William McBride

Staff Support:

Colin Kinton, Division Director  
Transportation Engineering  
Eric Larson, Division Director  
Environmental Engineering  
Robert McFee, Division Director  
Facilities and Construction Engineering

1. CALL TO ORDER – 3:00 P.M.
2. S.C. HIGHWAY 170 UTILITY EASEMENT FOR PALMETTO ELECTRIC COOPERATIVE, INC. ([Backup](#))
3. PALMETTO ELECTRIC COOPERATIVE, INC. UTILITY RELOCATION FOR S.C. HIGHWAY 170 WIDENING ([Backup](#))
4. BLUFFTON PARKWAY 5A SEGMENT 2 ROADWAY AND BRIDGE CONSTRUCTION MANAGEMENT AND ENGINEERING INSPECTION SERVICES CONTRACT AMENDMENT ([Backup](#))
5. DISCUSSION / SIDEWALKS IN RURAL COMMUNITIES
6. 2016 C FUND REVENUE AND SCDOT ROAD RESURFACING (INFORMATION) ([Backup](#))
7. CONSIDERATION OF REAPPOINTMENTS AND APPOINTMENTS
  - A. County Transportation Committee
8. ADJOURNMENT

2015 Strategic Plan Committee Assignments  
Law Enforcement Center Study  
Windmill Harbour Entrance Solution and Funding  
Bridge Replacement Plan  
Sidewalks / Biking in Rural Areas Plan and Funding



**Ordinance No. 2015/\_\_\_\_\_**

**AN ORDINANCE AUTHORIZING THE EXECUTION AND DELIVERY OF AN EASEMENT ENCUMBERING PROPERTY OWNED BY BEAUFORT COUNTY, SOUTH CAROLINA.**

**WHEREAS**, Beaufort County owns real property located on S.C. Highway 170 known as Beaufort County parcel on the west side of S.C. Highway 170 near Sun City Hilton Head Entrance Gate and St. Luke’s Church; and

**WHEREAS**, due to the S.C. Highway 170 widening project, it is necessary for Palmetto Electric Cooperative, Inc., to relocate its existing electrical and communications systems that serve residents in the surrounding areas; and

**WHEREAS**, Palmetto Electric Cooperative, Inc. has requested that Beaufort County grant it a Utility Easement for constructing, reconstructing, operating and maintaining electrical and communication system overhead and/or underground across portions of the County’s property; and

**WHEREAS**, County staff has worked diligently with Palmetto Electric Cooperative, Inc. to develop a proposed easement path across the County’s property that ensures a minimal impact to the property itself; and

**WHEREAS**, Beaufort County Council has determined that it is in its best interests to authorize the execution and delivery of the requested Easement attached hereto and incorporated by reference as “Exhibit A”; and

**WHEREAS**, S.C. Code Ann. § 4-9-130 requires that the transfer of any interest 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 AS FOLLOWS:**

(1) The County Administrator is hereby authorized to execute the Easement which is attached hereto as “Exhibit A”; and

(2) The County Administrator is hereby authorized to take all necessary actions as may be necessary to complete the conveyance of the Easement and ensure the construction and installation of the new power line occur as agreed upon by the County and Palmetto Electric Cooperative, Inc.

DONE, this \_\_\_\_\_ day of \_\_\_\_\_, 2015.

COUNTY COUNCIL OF BEAUFORT COUNTY

BY: \_\_\_\_\_  
D. Paul Sommerville, Chairman

APPROVED AS TO FORM:

\_\_\_\_\_  
Thomas J. Keaveny, II, County Attorney  
First Reading:  
Second Reading:  
Public Hearing:  
Third and Final Reading:

# Beaufort County Hwy 170

## Easement

### Palmetto Electric Utility Easement





**COUNTY COUNCIL OF BEAUFORT COUNTY**  
**BEAUFORT COUNTY ENGINEERING DEPARTMENT**  
104 Industrial Village Road, Building #3, Beaufort, SC 29906  
Post Office Drawer 1228, Beaufort, SC 29901-1228  
Telephone: 843-255-2700 Facsimile: 843-255-9420

TO: Councilman Gerald Dawson, Chairman, Public Facilities Committee

VIA: Gary Kubic, County Administrator *GKubic*  
Tom Keavney, County Attorney *TK*

FROM: Robert McFee, PE, Division Director of Construction Engineering & Facilities *JRM McFee*

SUBJ: **SC 170 Utility Easement**

DATE: October 12, 2015

**BACKGROUND.** In 2007, discussions took place between Palmetto Electric Cooperative (PEC) and Beaufort County regarding utility easements on County owned property along SC 170. At that time all parties agreed to granting a utility easement to PEC, but formal paperwork was never filed.

In closing out the PEC utility agreements, the oversight regarding the easement was discovered. Based on previous correspondence between County staff and PEC staff this issue is being submitted to Committee for final resolution.

**ACTION.** Public Facilities Committee Meeting on October 19, 2015.

**RECOMMENDATION.** Staff recommends to the Public Facilities Committee that they approve and recommend to County Council the granting of a 10' utility easement to PEC for the underground cables located on parcel R600 029 0000 0126 0000.

JRM/mjh

Attachment: 1) Hwy SC 170 – Beaufort County Easement



One Cooperative Way

Hardeeville, SC 29927-5123

843-208-5551

June 2, 2015

Colin Kinton, PE  
Beaufort County Traffic Engineer  
P. O. Box 1228  
Beaufort, SC 29901-1228

Re: Hwy. 170 - Beaufort County Easement

Dear Colin:

Please have the enclosed electric utility easement completed and returned to me. This is for the parcel that Sun City transferred to Beaufort County near the Sun City gate. This is also where Palmetto Electric Cooperative, Inc. ("PECI") was not allowed to claim prior rights and we paid \$105,500.00 for our recent relocation work with the understanding that Beaufort County would provide the utility easement.

Thank you for your assistance and cooperation in this matter. Please contact me at (843) 208-5508 or via email at [bcasavant@palmetto.coop](mailto:bcasavant@palmetto.coop) with any questions or if I may be of further assistance.

Sincerely,

**PALMETTO ELECTRIC COOPERATIVE, INC.**

Robert J. Casavant, PE  
Manager, Engineering Services

RJC:sdr  
Encl.



STATE OF SOUTH CAROLINA )  
 )  
COUNTY OF BEAUFORT )

**EASEMENT**

**KNOW ALL MEN BY THESE PRESENTS** that the undersigned \_\_\_\_\_  
Beaufort County \_\_\_\_\_ hereinafter "**GRANTOR**"), for  
consideration of One (\$1.00) Dollar, the receipt and sufficiency of which is hereby  
acknowledged, and in further consideration of the covenants and conditions expressed  
herein, do hereby grant bargain and sell and by these presents have granted, bargained  
and sold unto **PALMETTO ELECTRIC COOPERATIVE, INC.**, its Successors and  
Assigns (hereinafter "**GRANTEE**") the nonexclusive right to enter the following  
described lands for the purpose of erecting, operating and maintaining overhead and/or  
underground electric and communications systems.

**ALL** that certain piece, parcel or lot of land described and known as: **Beaufort County  
Parcel on West side of US Hwy 170 near Sun City Hilton Head Entrance Gate and  
St Luke's Church**

<b>NUMBER OF ACRES:</b>	<u>4.38</u>
<b>TAX DISTRICT:</b>	<u>R600 029 0000 0126 0000</u>
<b>PLAT &amp; PARCEL NO.:</b>	_____
<b>AREA OF COUNTY:</b>	<u>Southern</u>
<b>TOWN/TOWNSHIP:</b>	<u>Bluffton</u>
<b>PLANTATION/SUBDIVISION:</b>	<u>Sun City Hilton Head</u>
<b>LOCATION:</b>	_____
<b>LOT:</b>	_____
<b>PLAT REFERENCE:</b>	<b>Book:</b> <u>1151</u> <b>Page:</b> <u>677</u>
<b>OTHER:</b>	_____

Said easement being five (5') feet on either side of centerline of power line.

**TOGETHER** with all and singular, the Rights, Members, Hereditaments and  
Appurtenances to the said Premises belonging, or in any wise incident or  
appertaining. **TO HAVE AND TO HOLD**, all and singular, the said Premises before  
mentioned unto the **PALMETTO ELECTRIC COOPERATIVE, INC.**, its Successors  
and Assigns forever.

AND I (WE) do hereby bind myself (ourselves) and my (our) Heirs and Assigns, Executors and Administrators, to warrant and forever defend, all and singular, the said Premises unto the said **PALMETTO ELECTRIC COOPERATIVE, INC.**, its Successors and Assigns, against me (us) and my (our) Heirs, and all persons whomsoever lawfully claiming, or to claim the same or any part thereof.

The grant of this easement is subject to the following terms and conditions:

1. That **Grantee's** right to enter the above-described property shall be nonexclusive and solely for the purpose of, and is hereby limited to, such activities as are reasonable necessary for construction, reconstructing, operating and maintaining an overhead and/or underground electric or communications system.
2. That **Grantor** hereby reserves the right to use or convey the property which is subject of this Easement in any manner whosoever which does not interfere with the use and enjoyment of the Easement.
3. That **Grantor** hereby reserves the right to change the location of the within Easement from time to time, but solely at the expense of **Grantor**.
4. That landscaping shall not be planted within ten (10') feet of any door or opening of electrical distribution equipment, or within the boundaries of the basic easement. If landscaping is planted in violation of this provision, Grantee shall have the right to remove such landscaping and shall have no obligation to replant such landscaping.

WITNESS my (our) Hand(s) and Seal(s), this \_\_\_\_\_ day of \_\_\_\_\_, in the year of our Lord Two Thousand Fifteen.

**SIGNED, SEALED AND DELIVERED  
IN THE PRESENCE OF:**

\_\_\_\_\_  
(Witness #1 Signature)

Print Name: \_\_\_\_\_

\_\_\_\_\_  
(Witness #2 Signature)

Print Name: \_\_\_\_\_

\_\_\_\_\_  
(Grantor's Signature)

By: \_\_\_\_\_ (L.S.)  
(Print Grantor's Name)

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



# Beaufort County Hwy 170 Easement

## Palmetto Electric Utility Easement



Copyright 2011 Esri. All rights reserved. Mon Oct 14 2013 02:20:14 PM.



# Beaufort County, South Carolina

generated on 10/14/2013 2:17:32 PM EDT

Property ID (PIN)	Alternate ID (AIN)	Parcel Address	Data refreshed as of	Assess Year	Pay Year
R600 029 000 0126 0000	08941951	,	9/21/2013	2012	2012

### Current Parcel Information

Owner	BEAUFORT COUNTY	Property Class Code	ResVac Platted&Unplatted
Owner Address	100 RIBAUT RD BEAUFORT SC 29901	Acreage	4.3800
Legal Description	PB69 P16 PB80 P117 20' UTILITY ESMT *3/08 .62 AC DEDUCTED TO R/W DB2561 P2268 (\$10) SCDOT PB119 P161		

### Historic Information

Tax Year	Land	Building	Market	Taxes	Payment
2012	\$225,789		\$225,789	\$19.10	\$19.10
2011	\$225,789		\$225,789	\$19.10	\$19.10
2010	\$225,789		\$225,789	\$19.10	\$19.10
2009	\$225,789		\$225,789	\$19.10	\$19.10
2008	\$105,100		\$105,100	\$19.10	\$19.10
2007	\$96,000		\$96,000	\$95.52	\$95.52
2006				\$95.52	\$95.52
2005				\$1.85	\$1.91

### Sales Disclosure

Grantor	Book & Page	Date	Deed	Vacant	Sale Price
DEL WEBB COMMUNITIES INC % SUN CITY	1151 677	3/24/1999	Fu		\$10
		12/31/1776	Or		\$0

### Improvements

Building	Type	Use Code Description	Constructed Year	Stories	Rooms	Square Footage	Improvement Size
----------	------	----------------------	------------------	---------	-------	----------------	------------------

### Features & Exterior Features

Building	Type	Feature Code	Description	No. / Sq.Ft.	Value
----------	------	--------------	-------------	--------------	-------



**COUNTY COUNCIL OF BEAUFORT COUNTY**

**Beaufort County Zoning & Development**  
Multi Government Center ♦ 100 Ribaut Road  
Post Office Drawer 1228, Beaufort, SC 29901-1228  
OFFICE (843) 470-2780  
FAX (843) 470-2784

**August 17, 2007**

Mr. Jared O'Sako  
Thomas & Hutton Engineering  
P. O. Box 2727  
Savannah, GA 31402

Re: Sun City HH – Block 78 Entrance (Amendment)

Dear Mr. O'Sako:

The Development Review Team (DRT) met on August 15, 2007 to render their decision on the subject projects. Listed below is the DRT's decision.

After a unanimous vote by the members present, DRT recommended that the project be approved. This approval is to remove a 20" Water Oak tree, and to place a 5' easement along SC Hwy 170 for the installation of an underground power line.

If I may be of further assistance, please do not hesitate to give me a call at 843.470.2781.

Sincerely,

Hillary A. Austin  
Zoning & Development Administrator

Cc: DRT Members

## McFee, Robert

---

**From:** Bob Casavant <BCASAVANT@palmetto.coop>  
**Sent:** Wednesday, October 07, 2015 2:27 PM  
**To:** McFee, Robert  
**Subject:** FW: Del Webb and Beaufort County Easements for Palmetto Electric - SC HWY 170

---

**From:** Robert Klink [<mailto:robertk@bcgov.net>]  
**Sent:** Wednesday, October 24, 2007 8:45 AM  
**To:** Bob Casavant; Bryant, Jason; [maggieh@bcgov.net](mailto:maggieh@bcgov.net)  
**Cc:** Todd Doupona; Corenza Vaughn; Maggie Hickman; Boyd, Mays; O'sako, Jared  
**Subject:** RE: Del Webb and Beaufort County Easements for Palmetto Electric - SC HWY 170

Maggie,  
This was done quite some time ago. Please track this down and get to Bob Casavant. Thanks.  
REK

---

**From:** Bob Casavant [<mailto:BCASAVANT@palmetto.coop>]  
**Sent:** Wednesday, October 24, 2007 7:55 AM  
**To:** Bryant, Jason; Robert Klink  
**Cc:** Todd Doupona; Corenza Vaughn; Maggie Hickman; Boyd, Mays; O'sako, Jared  
**Subject:** RE: Del Webb and Beaufort County Easements for Palmetto Electric - SC HWY 170

Jason:

Palmetto will need the signed and completed easements.

Send the Beaufort County Easement to Bob Klink for him to have signed and returned to me.

The Pulte easement should be signed and then sent to me.

Thank you

Bob Klink:

As I understand it, Palmetto has your permission to bury the lines as shown on the T&H drawing on the Beaufort County property. Work is scheduled to begin on this site early next week.  
Please respond so that we can move forward.

Thank you,

Bob Casavant  
Palmetto Electric Cooperative, Inc.  
New River District Operations Manager  
One Cooperative Way  
Hardeeville, SC 29927  
843 208-5530  
[bcasavant@palmetto.coop](mailto:bcasavant@palmetto.coop)

-----Original Message-----

**From:** Bryant, Jason [<mailto:bryant.j@thomas-hutton.com>]

**Sent:** Tuesday, October 23, 2007 5:05 PM

**To:** [robertk@bcgov.net](mailto:robertk@bcgov.net); Bob Casavant

**Cc:** Todd Doupona; Corenza Vaughn; Maggie Hickman; Boyd, Mays; O'sako, Jared

**Subject:** re:Del Webb and Beaufort County Easements for Palmetto Electric - SC HWY 170

Mr. Klink and Mr. Casavant:

Del Webb has prepared two sets of easement paperwork for the Palmetto Electric power line relocation along SC HWY 170; one on the Del Webb property, and one on the Beaufort County Property.

1. For the easement on Beaufort County's property, should we send the paperwork to Mr. Klink's attention?
2. For the easement on Del Webb's property, should we send the paperwork to Mr. Casavant's attention?

Let us know and we will deliver ASAP.

Thank you,

Jason

**Jason J. Bryant, P.E.**

Principal I

**Thomas & Hutton Engineering Co.**

[www.thomas-hutton.com](http://www.thomas-hutton.com)

[bryant.j@thomas-hutton.com](mailto:bryant.j@thomas-hutton.com)

(P) 912-721-4166 (F) 912-721-4266 (M) 912-210-3259 (DC) 150\*22\*25290

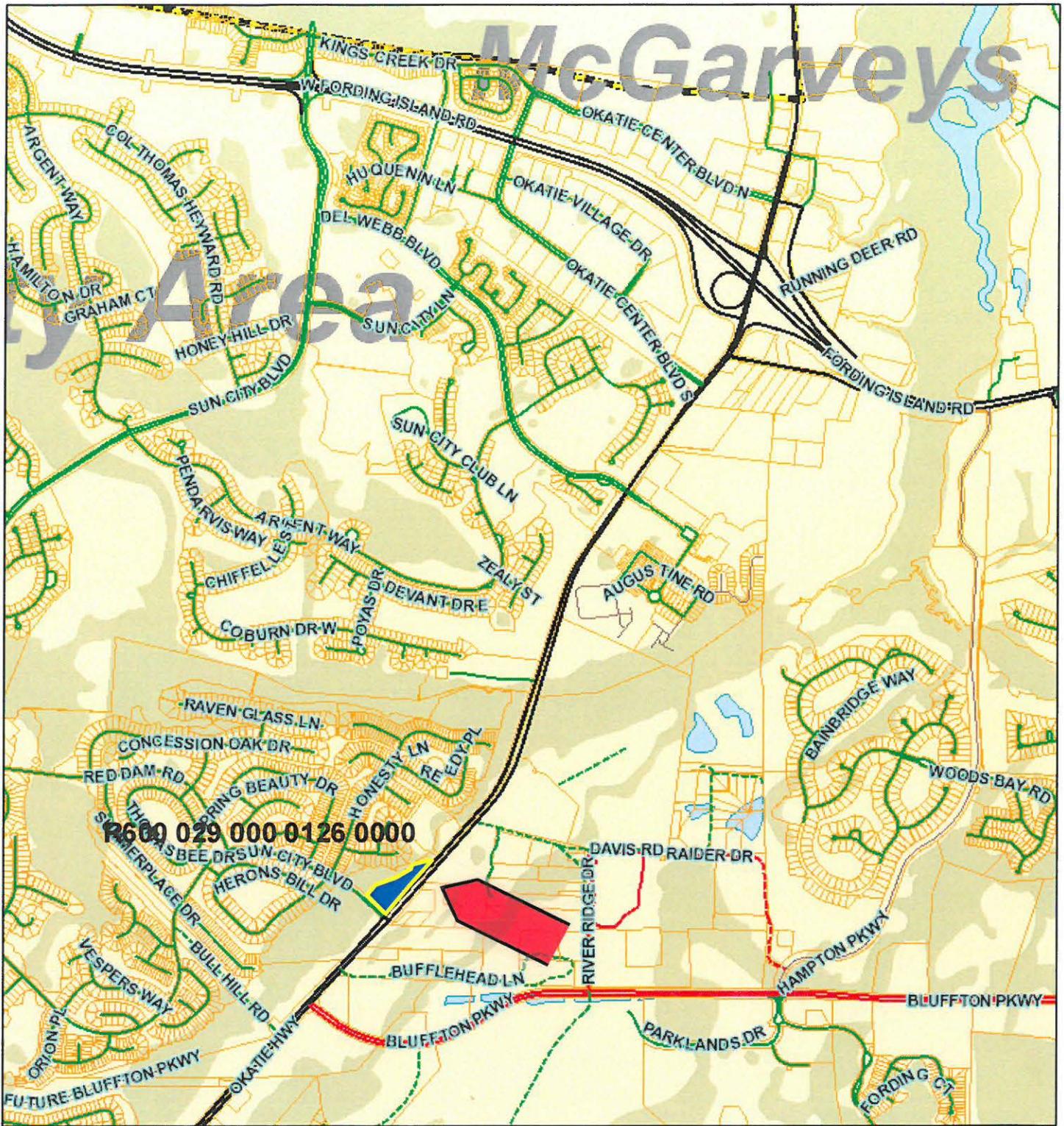
**"Relationships and Solutions for Success"**

*PRIVILEGED AND CONFIDENTIAL: This electronic message and any attachments are confidential property of Thomas & Hutton Engineering Co. The information is intended only for the use of the person to whom it is addressed. Any other interception, copying, accessing, or disclosure of this message is prohibited. If you have received this message in error, please immediately notify Thomas & Hutton Engineering Co. and purge the message received. Do not forward this message without permission.*

---

PLEASE READ THIS WARNING: All e-mail sent to or from the Palmetto Electric corporate e-mail system is subject to archival, monitoring, and/or review, by and/or disclosure to, someone other than the recipient. This message is intended only for the use of the person(s) ("intended recipients") to whom it is addressed. It may contain information that is privileged and confidential. If you are not the intended recipient, please contact the sender as soon as possible and delete the entire message without reading it or making a copy. Any dissemination, distribution, copying, or other use of this message or any of its content by any person other than the intended recipient is strictly prohibited. Palmetto Electric has taken precautions to screen this message for viruses, but we cannot guarantee that it is virus free nor are we responsible for any damage that may be caused by this message.

# Palmetto Electric Cooperative - R600 029 000 0126 0000

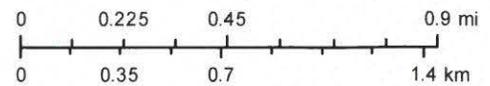


October 13, 2015

1:26,241

### Road Classifications

- |  |                    |  |                       |
|--|--------------------|--|-----------------------|
|  | <all other values> |  | PRIVATE, UNPAVED      |
|  | STATE, PAVED       |  | PRIVATE, UNDETERMINED |
|  | STATE, UNPAVED     |  | TOWN, PAVED           |
|  | COUNTY, PAVED      |  | TOWN, UNPAVED         |
|  | COUNTY, UNPAVED    |  | MILITARY / PAVED      |
|  | PRIVATE, PAVED     |  | MILITARY / UNPAVED    |
|  | Parcels            |  |                       |





**COUNTY COUNCIL OF BEAUFORT COUNTY**  
**BEAUFORT COUNTY ENGINEERING DEPARTMENT**  
104 Industrial Village Road, Building #3, Beaufort, SC 29906  
Post Office Drawer 1228, Beaufort, SC 29901-1228  
Telephone: 843-255-2700 Facsimile: 843-255-9420

TO: Councilman Gerald Dawson, Chairman, Public Facilities Committee

VIA: Gary Kubic, County Administrator *GKubic*  
Josh Gruber, Deputy County Administrator *JG*  
Alicia Holland, Assistant County Administrator for Finance *AH*

FROM: Robert McFee, PE, Division Director of Construction Engineering & Facilities *JRM*

SUBJ: **Palmetto Electric Cooperative Utility Relocation for SC 170 Widening**

DATE: October 12, 2015

**BACKGROUND.** In 2011 and 2012, Beaufort County entered into utility agreements with Palmetto Electric Cooperative (PEC) for an estimated value of work at \$1,690,848.17 for the relocation of above ground and below ground lines to accommodate the widening of SC 170. These agreements were discussed at the Public Facilities Committee on May 22, 2012. The first utility agreement for infrastructure relocation from Bluffton Parkway to US 278 was executed in March 2011. County Council approved the Bluffton Parkway to Gibbet Road utility relocation at its June 11, 2012 meeting.

The total final billing for this work has been submitted in the amount of \$790,265.46. This exceeds the original estimated value by \$270,408.29. The primary reason for the overrun is the inflation of materials over the life of the agreement and a small relocation section not originally identified in the estimate.

The relocation project is complete and the PEC overhead electric distribution lines throughout the entire corridor as well as telecommunications and data have been installed underground. Therefore, staff recommends approval of the final PEC utility relocation invoices totaling \$790,265.46.

*JH* **FUNDING.** SC 170 Widening Sales Tax Project Acct #47010014-54500. All utility relocation expenditures are reimbursable from the South Carolina State Infrastructure Bank Grant for this project in the amount of \$24.9 million. To date, charges of \$20.3 million have made to this grant.

**ACTION.** Public Facilities Committee Meeting on October 19, 2015.

**RECOMMENDATION.** That the Public Facilities Committee approve and recommend to County Council payment of final PEC utility relocation invoices for \$790,265.46 on the SC 170 Widening Project.

JRM/mjh

Attachments: 1) PEC Invoices 10013275 & 10013276  
2) Jun 11, 2012 County Council Minutes  
3) May 22, 2012 Public Facilities Committee Minutes

*Amount verified as accurate & due OK, 10/15/15*

# INVOICE

PALMETTO ELEC COOP, INC.  
P O BOX 820  
RIDGELAND, SC 29936-0000  
(843) 726-5551

DATE	CUSTOMER	INVOICE#
06/01/15	2106	10013275

**Bill To:**  
BEAUFORT COUNTY TRAFFIC ENG  
ATTN: COLIN KINTON  
PO BOX 1228  
BEAUFORT, SC  
29901-1228

**Ship To:**  
BEAUFORT COUNTY TRAFFIC ENG

PO NBR	SHIP DATE	SHIP VIA	FOB	DUE DATE 06/16/15	DOWN PAYMENT
--------	-----------	----------	-----	----------------------	--------------

QUANTITY	DESCRIPTION	UOM	UNIT PRICE	AMOUNT
1.00	JOB 32557 - HWY 170 - PHASE 2 - PART 1 AND 2 GIBBETT RD TO BLUFFTON PARKWAY		41,165.74	41,165.74

PALMETTO ELECTRIC COOPERATIVE UTILITY  
AGREEMENT 7.036938 A

FINAL BILL - \$41,165.74

RELOCATION WORK COMPLETED

FOR QUESTIONS, PLEASE CONTACT BOB  
CASAVANT @ 843-208-5508.

PLEASE INCLUDE THE INVOICE NUMBER ON  
YOUR PAYMENT

-----  
SALES TAX  
TOTAL INVOICE AMOUNT 41,165.74  
-----



PALMETTO ELECTRIC COOPERATIVE BEAUFORT COUNTY UTILITY AGREEMENTS PECI WO # 31665 & 32557 Hwy 170 COMPARISON OF ESTIMATE TO ACTUAL 1-Jun-15							Beaufort County P.O # 20111068	Beaufort County UA 7.036938 A
Description	PH 1 PART 1	PH 1 PART 2	PH 2	PH 2 2015 WK	TOTAL	TOTAL	WO 31665	WO 32557
	Estimate	Estimate	Estimate	Estimate	Estimate	Actual	Actual	Actual
Engineering & ROW	\$ 89,951.76	\$ 26,000.00	\$ 40,000.00	\$ -	\$ 155,951.76	\$ 116,273.24	\$ 90,230.41	\$ 26,042.83
Labor Install Temporary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Labor Install Permanent	\$ 532,711.00	\$ 168,775.60	\$ 275,490.83	\$ 10,191.95	\$ 987,169.38	\$ 786,471.62	\$ 616,589.62	\$ 169,882.00
Labor Remove	\$ 17,480.50	\$ 16,482.03	\$ 13,519.65	\$ 1,255.48	\$ 48,737.66	\$ 66,627.39	\$ 48,286.52	\$ 18,340.87
Material	\$ 456,686.00	\$ 138,176.07	\$ 224,306.39	\$ 5,015.02	\$ 824,183.48	\$ 1,068,587.95	\$ 860,423.74	\$ 208,164.21
Material Overhead	\$ 45,668.60	\$ 20,726.41	\$ 22,430.64	\$ 1,253.75	\$ 90,079.40	\$ 186,836.66	\$ 140,264.10	\$ 46,572.56
Salvage	\$ (14,696.12)	\$ (6,510.18)	\$ (12,701.08)	\$ (867.96)	\$ (34,775.34)	\$ (149,031.40)	\$ (111,194.67)	\$ (37,836.73)
PECI Cost share		\$ (105,500.00)	\$ -	\$ -	\$ (105,500.00)	\$ (105,500.00)	\$ (105,500.00)	
SUBTOTAL	\$ 1,127,801.74	\$ 258,149.93	\$ 563,046.43	\$ 16,848.24	\$ 1,965,846.34	\$ 1,970,265.46	\$ 1,539,099.72	\$ 431,165.74
<b>PARTIAL PAYMENT 2013</b>							\$ (790,000.00)	\$ (390,000.00)
<b>TOTAL</b>	<b>\$ 1,127,801.74</b>	<b>\$ 258,149.93</b>	<b>\$ 563,046.43</b>	<b>\$ 16,848.24</b>	<b>\$ 1,965,846.34</b>	<b>\$ 1,970,265.46</b>		
<b>REMAINING BALANCE 2015 FINAL INVOICE</b>							<b>\$ 749,099.72</b>	<b>\$ 41,165.74</b>
AMOUNT OVER ESTIMATE						\$ 4,419.12		
% OVER ESTIMATE						0.2%		

**PALMETTO ELECTRIC COOPERATIVE SUPPLEMENTAL AGREEMENT FOR SC 170 WIDENING  
INFRASTRUCTURE RELOCATION**

This item comes before Council under the Consent Agenda. It was discussed at the May 22, 2012 Public Facilities Committee meeting.

It was moved by Mr. Stewart, seconded by Mr. Flewelling, that Council approve the second Palmetto Electric Cooperative Supplement Agreement for SC Highway 170 relocation in the amount of \$563,046. The vote was: YEAS - Mr. Baer, Mr. Caporale, Mr. Dawson, Mr. Flewelling, Mr. Glaze, Mr. McBride, Mr. Newton, Mr. Rodman, Mr. Sommerville, Mr. Stewart and Ms. Von Harten. The motion passed

### **3. Palmetto Electric Cooperative Supplemental Agreement for SC 170 Widening Infrastructure Relocation (> \$50,000)**

**Notification:** To view video of full discussion of this meeting please visit [http://beaufort.granicus.com/ViewPublisher.php?view\\_id=2](http://beaufort.granicus.com/ViewPublisher.php?view_id=2)

**Discussion:** Rob McFee, Division Director – Engineering and Infrastructure, said in April 2012 the County received the second Palmetto Electric Cooperative (PEC) Supplemental Agreement for the relocation of electrical facilities on SC Highway 170. PEC has prior rights and, therefore, the County is required to pay for PEC relocation. The second agreement will relocate PEC infrastructure from Bluffton Parkway to Gibbet Road with a total estimated cost of \$563,046. The first supplemental agreement with PEC for the SC Highway 170 widening project is for the relocation of power lines from US Highway 278 to the Bluffton Parkway at a cost of \$1,127,801.

**Motion:** It was moved by Mr. Dawson, seconded by Mr. McBride, that Public Facilities Committee approve and recommend to Council approval of the second Palmetto Electric Cooperative Supplement Agreement for SC Highway 170 relocation in the amount of \$563,046. YEAS - Mr. Dawson, Mr. Flewelling, Mr. Glaze, and Mr. McBride. The motion passed.

**Recommendation:** Council approve the second Palmetto Electric Cooperative Supplement Agreement for SC Highway 170 relocation in the amount of \$563,046.

### **INFORMATION ITEMS**



**COUNTY COUNCIL OF BEAUFORT COUNTY**  
**BEAUFORT COUNTY ENGINEERING DEPARTMENT**  
104 Industrial Village Road, Building #3, Beaufort, SC 29906  
Post Office Drawer 1228, Beaufort, SC 29901-1228  
Telephone: 843-255-2700 Facsimile: 843-255-9420

TO: Councilman Gerald Dawson, Chairman, Public Facilities Committee

VIA: Gary Kubic, County Administrator *GKubic*  
Josh Gruber, Deputy County Administrator *JG*  
Alicia Holland, Assistant County Administrator for Finance *AH*

FROM: Robert McFee, PE, Division Director for Construction Engineering & Facilities *JR McFee*

SUBJ: **Bluffton Parkway 5A Segment 2 Roadway and Bridge Construction Management (CM) & Construction Engineering Inspections Services (CEI) Contract Amendment**

DATE: October 12, 2015

**BACKGROUND.** On 2/25/13, Beaufort County Council awarded a contract to F&ME Consultants for the construction management and inspection services (CM/CEI) for Bluffton Parkway Phase 5A Segment 2 roadway and flyover bridges. The total contract award amount was \$3,886,934.

During the construction of the Bluffton Parkway Phase 5A Segment 2 flyover bridge, numerous items have been value added to the scope of work such as foundation improvements, resurfacing of US 278 and more complete barrier wall installation. This additional work has moved the complete date of the project to March 2016. In order to maintain the appropriate inspection oversight of the construction activities as required by FHWA and SCDOT, The Beaufort County contract with F&ME requires an adjustment of six months with a projected cost of \$1,060,000.

Staff has reviewed the cost for the additional six months of CM/CEI services provided by F&ME and finds it to be a responsive price. Therefore, it is recommended that a six month contract amendment to the Bluffton Parkway Phase 5A Segment 2 CM/CEI contract be approved for \$1,060,000.

*AH* **FUNDING.** Bluffton Parkway Phase 5A Segment 2 Sales Tax Account #47010012-54500 with an available budget balance of \$2,498,090.

**ACTION.** Public Facilities Committee Meeting on October 19, 2015.

**RECOMMENDATION.** That the Public Facilities Committee approve and recommend to County Council a contract amendment to F&ME Consultants CM/CEI contract in the amount of \$1,060,000 in order to maintain the required construction oversight activities for the Bluffton Parkway Phase 5A Segment 2.

JRM/mjh

Attachment: 10/1/15 F&ME Consultants Proposal

October 1, 2015

Mr. Robert McFee, P.E.  
Director of Engineering and Infrastructure  
Beaufort County  
Post Office Box 1228  
Beaufort, South Carolina 29901

Re: Bluffton Parkway 5A Segment 2  
Beaufort County, South Carolina  
F&ME Project No. C8300.00

Dear Mr. McFee:

On April 6, 2012, Beaufort County advertised a Request for Proposals (RFP #29141120S28) for Bluffton Parkway 5A Segment 2 Roadway and Bridge Construction Management (CM) and Construction Engineering and Inspection Services (CEI). F&ME Consultants, Inc. (F&ME) responded to the RFP and was selected by Beaufort County to provide CM/CEI services. F&ME's CM/CEI fees for the project were based upon the scope of work defined by Beaufort County and a 30-month duration of construction. F&ME's fee was placed on the County Council's agenda and subsequently approved.

F&ME began providing CM/CEI services for the Bluffton Parkway 5A Segment 2 project on or about March 1, 2013. Beaufort County issued a Notice to Proceed to the contractor, R.R. Dawson Bridge Co., on May 1, 2013. Because of change orders from the contractor, which have been approved by the County, the duration of construction has been extended beyond the originally anticipated 30 months. At this time we anticipate that the construction will extend 6 to 12 months beyond the original anticipated completion date. As a result, F&ME will be on-site providing the necessary CM/CEI services beyond the duration anticipated in the approved fee.

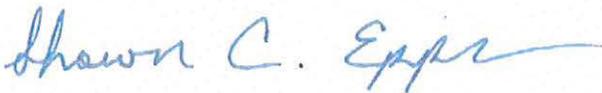
F&ME's current fee will be exhausted on or about September 30, 2015. Between March 1, 2013 and September 30, 2015, F&ME will have provided 31 months of CM/CEI services for the project. This is in excess of the 30-month duration identified in F&ME's original approved fee. Based upon the current anticipated completion date of construction, F&ME will be on-site providing CM/CEI services for an additional 6 to 12 months beyond September 30, 2015.

F&ME is requesting \$1,060,000 to continue providing CM/CEI services for a duration of 6 months beginning on October 1, 2015 and ending March 31, 2016 for the Bluffton Parkway 5A Segment 2 project. On or about January 15, 2016 F&ME will notify the County of the anticipated final completion date for construction and provide an addition requested fee to provide CM/CEI services from March 31, 2016 to the anticipated construction completion date.

Attached hereto is a spreadsheet that details the labor and direct expenses associated with the additional CM/CEI services between October 1, 2015 and March 31, 2016. Please review the spreadsheet and contact us if you have any questions or need additional information.

Sincerely,

F&ME CONSULTANTS

A handwritten signature in blue ink that reads "Shawn C. Epps". The signature is fluid and cursive, with a long horizontal stroke at the end.

Shawn C. Epps  
Vice President

Attachment

**F&ME Consultants**  
**CE&I for From October 1, 2015 to March 31, 2016 (6 months or 26 weeks)**  
**Bluffton 5a Flyover**  
**Project Summary**  
 Date: August 21, 2015, Rev Sept 24, 2015, Rev October 1, 2015 cut to 6 months  
 Prepared by: AJS



**Project Summary**

**Distribution of Estimated Cost Into Project Schedule of Values**

Home Office Coord/Management	\$139,266.68
Inspection-Bridge/Roadway/Plant	\$341,036.33
Field Office-Project Management	\$227,487.70
Materials Testing and Labwork	\$165,000.00
Survey Verification (A&B)	\$111,128.00
A*2 Safety Program	\$16,200.00
Environmental Compliance	\$19,050.00
Shaft Integrity Testing	\$39,975.00
<b>Schedule of Values Total</b>	<b>\$1,059,143.71</b>

**Classification**

	<b>Hourly Rate</b>
Project Director (Mr. Adam Shannon)	\$64.90
Environmental Manager	\$64.90
Construction Manager (Mr. Dan Chism)	\$50.00
Senior Technician (Roadway/Bridge)	\$36.00
Construction Services Manager	\$28.00
Senior Technician(Roadway)	\$24.00
Asphalt Plant Inspector	\$25.00
Inspector (Roadway/Bridge)	\$21.00
Materials Testing Inspector	\$23.00
Engineering Associate (As-Builts)	\$22.00
Document Control Clerk	\$23.00
Accountant	\$0.00
Environmental Scientist	\$0.00

Unit Rates		Units	Rate	
<b>Drilling</b>				
	Drill Rig Mobilization	each	\$780.00	
	Soil Test Borings: 0<= 100'	linear feet	\$14.75	SCDOT Geotec On Call Rate
	Rock Coring Setup	each	\$150.00	
	Rock Coring	linear feet	\$55.00	
	NW Casings	linear feet	\$8.50	
	Clearing (Dozer)	hours	\$175.00	
	Difficult Move/ Clearing/Standby	hours	\$150.00	
<b>Testing</b>				
	Soil Classification	each	\$175.00	SCDOT Geotec On Call Rate
	Loss of Ignition	each	\$100.00	SCDOT Geotec On Call Rate
	Bulk Unit Weight	each	\$100.00	
	Undisturbed Sample	each	\$105.00	SCDOT Geotec On Call Rate
	Specific Gravity	each	\$40.00	SCDOT Geotec On Call Rate
	Grain Size Distribution w/o Hyd.	each	\$65.00	SCDOT Geotec On Call Rate
	Grain Size Distribution w/ Hyd.	each	\$125.00	SCDOT Geotec On Call Rate
	Grain Size Distribution w/ wash 200 Sieve	each	\$30.00	SCDOT Geotec On Call Rate
	Atterburg Limits	each	\$65.00	SCDOT Geotec On Call Rate
	Moisture Contents	each	\$9.00	SCDOT Geotec On Call Rate
	Triaxial - CU w/ pore pressure measurements	each	\$750.00	SCDOT Geotec On Call Rate
	Direct Shear	each	\$850.00	SCDOT Geotec On Call Rate
	Standard Proctor Test	each	\$100.00	SCDOT Geotec On Call Rate
	CBR Test @ 90%, 95%, 100%	each	\$450.00	SCDOT Geotec On Call Rate
	Unconfined Rock Compressive Strength	each	\$125.00	SCDOT Geotec On Call Rate
	Resistivity - Soil	each	\$125.00	SCDOT Geotec On Call Rate
	pH - Soil	each	\$40.00	SCDOT Geotec On Call Rate
	Sulfate - Soil	each	\$400.00	SCDOT Geotec On Call Rate
	Flat Plate Dilatometer	each	\$750.00	SCDOT Geotec On Call Rate
	Disturbed Soil Samples	each	\$55.00	SCDOT Geotec On Call Rate
	California Bearing Ratio	each	\$450.00	SCDOT Geotec On Call Rate
	Organic Content	each	\$65.00	SCDOT Geotec On Call Rate
	Aggregate Sieve Analysis	each	\$90.00	
<b>Geophysical</b>				
	Ground Penetrating Radar	days	\$1,500.00	SCDOT Geotec On Call Rate
	Multi-Channel Analysis of Surface Waves (MASW)	days	\$1,800.00	SCDOT Geotec On Call Rate
<b>General</b>				
	Clearing and Grubbing	hours	\$200.00	SCDOT Geotec On Call Rate
	Traffic Control	days	\$1,800.00	SCDOT Geotec On Call Rate
	Traffic Control - Shoulder Closure	days	\$500.00	
	Pavement Coring Equipment	days	\$185.00	
<b>Overhead Rate &amp; Fee</b>				
	Office Overhead Rate	235.88%		
	Field Overhead Rate	163.63%		
	Fee	12.00%		

**F&ME Consultants**  
**CE&I for From October 1, 2015 to March 31, 2016 (6 months or 26 weeks)**  
**Bluffton 5a Flyover**  
**Task Detail**  
**Date: August 21, 2015, Rev Sept 24, 2015, Rev October 1, 2015 cu**  
 Date: August 21, 2015, Rev Sept 24, 2015, Rev October 1, 2015 cut to 6 months  
 Prepared by: AJS



Task	Item	Quantity	Units	Rate	Total	Comments
1	Home Office Coord/Management					
	Construction Services Manager	26	hours	\$28.00	\$728.00	1 hour per week for 52 Weeks-Project Support with Staffing
	Environmental Manager	40	hours	\$64.90	\$2,596.00	Interaction with SCDOT
	Project Director (Mr. Adam Shannon)	392	hours	\$64.90	\$25,440.80	See Labor Breakout
	Engineering Associate (As-Built)	336	hours	\$22.00	\$7,392.00	Assume two sites visits and 8 weeks to finalize as-builts
	Accountant	0	hours	\$0.00	\$0.00	Placed in OH
	Document Control Clerk	0	hours	\$23.00	\$0.00	Placed in OH
	<b>Direct Salary</b>				<b>\$36,156.80</b>	
	Overhead			235.88%	\$85,286.66	
	Subtotal				\$121,443.46	
	Fee			12.00%	\$14,573.22	
	<b>Direct Salary + OH + Fee</b>				<b>\$136,016.68</b>	<b>F&amp;ME Office Total</b>
	Travel	6,500	miles	\$0.50	\$3,250.00	Assume 1 Trip per week for duration of project
	Motel Expense	0	days	\$105.00	\$0.00	
	Per Diem	0	days	\$32.00	\$0.00	
	Insurance Rider	0	Each	\$0.00	\$0.00	
	<b>Non-Salary</b>				<b>\$3,250.00</b>	<b>Reimbursables</b>
	<b>Task Total</b>				<b>\$139,266.68</b>	

**F&ME Consultants**

CE&I for From October 1, 2015 to March 31, 2016 (6 months or 26 weeks)

Bluffton 5a Flyover

Task Detail

Date: August 21, 2015, Rev Sept 24, 2015, Rev October 1, 2015 cu

Date: August 21, 2015, Rev Sept 24, 2015, Rev October 1, 2015 cut to 6 months

Prepared by: AJS



Task	Item	Quantity	Units	Rate	Total	Comments
2	<b>Inspection-Bridge/Roadway/Plant</b>					
	<b>Inspection</b>					
	<b>Bridge</b>					
INSP 1	Senior Technician (Roadway/Bridge)	992	hours	\$36.00	\$35,712.00	(Wade) 40 Hours See Labor Breakdown
INSP 1	Senior Technician (Roadway/Bridge)	125	hours	\$54.00	\$6,750.00	(Wade) 5 Hours of Overtime For 25 Weeks (1.5 times hourly rate)
INSP 2	Inspector (Roadway/Bridge)	896	hours	\$21.00	\$18,816.00	(Charlie) 40 Hours Per Week See Labor Breakdown
INSP 2	Inspector (Roadway/Bridge)	125	hours	\$31.50	\$3,937.50	(Charlie) 5 Hours of Overtime For 25 Weeks (1.5 times hourly rate)
	<b>Roadway</b>					
INSP 1	Inspector (Roadway/Bridge)	808	hours	\$21.00	\$16,968.00	(Mike) 40 Hours Per Week See Labor Breakdown
INSP 1	Inspector (Roadway/Bridge)	75	hours	\$31.50	\$2,362.50	(Mike) 5 Hours Per Week for 15 Weeks
INSP 2	Senior Technician(Roadway)	184	hours	\$24.00	\$4,416.00	(James Miller) Asphalt Paving See Labor Breakdown
	<b>Materials Testing Support</b>					
INSP 1	Materials Testing Inspector	326	hours	\$23.00	\$7,498.00	(CRS Materials Technician) 1 testing for 40 hours per week - See Labor Breakdown
	<b>Direct Salary</b>				\$96,460.00	
	Overhead			163.63%	\$157,837.50	
	Subtotal				\$254,297.50	
	Fee			12.00%	\$30,515.70	
	<b>Direct Salary + OH + Fee</b>				\$284,813.20	<b>F&amp;ME Field Total</b>
	Monthly Lease on Vehicle	17	Months	\$828.03	\$14,076.46	See Worksheet for Cost Estimation
	Relocation Cost	0	Each	\$1,000.00	\$0.00	
	Rent	0	Months	\$900.00	\$0.00	Appartment
	Rent Per Month For Houses for Inspection Staff Lodge	6	Months	\$1,500.00	\$9,000.00	House
	Per Deim	0	days	\$32.00	\$0.00	
	<b>Non-Salary</b>				\$23,076.46	<b>Reimbursables</b>
	<b>Subtotal</b>				\$307,889.65	
	<b>Support inspection As Needed(Large Pours)</b>					
	Inspector (Roadway/Bridge)	250	hours	\$21.00	\$5,250.00	Assume 25 pours
	Inspector (Roadway/Bridge)	50	hours	\$31.50	\$1,575.00	Assume 2 hours for 25 pours
	<b>ASPHALT PLANT INSPECTION</b>					
	Asphalt Plant Inspector	80	hours	\$25.00	\$2,000.00	
	Asphalt Plant Inspector	20	hours	\$37.50	\$750.00	
	<b>Direct Salary</b>				\$9,575.00	
	Overhead			163.63%	\$15,667.57	
	Subtotal				\$25,242.57	
	Fee			12.00%	\$3,029.11	
	<b>Direct Salary + OH + Fee</b>				\$28,271.68	<b>F&amp;ME Field Total</b>
	Monthly Vehicle Mileage	6,000	Miles	\$0.50	\$3,000.00	
	Motels	15	Each	\$100.00	\$1,500.00	
	Per Deim	15	days	\$25.00	\$375.00	
	<b>Non-Salary</b>				\$4,875.00	<b>Reimbursables</b>
	<b>Subtotal</b>				\$33,146.68	
	<b>Task Subtotal</b>				\$341,036.33	

F&ME Consultants  
 CE&I for From October 1, 2015 to March 31, 2016 (6 months or 26 weeks)  
 Bluffton 5a Flyover  
 Task Detail  
 Date: August 21, 2015, Rev Sept 24, 2015, Rev October 1, 2015 cu  
 Date: August 21, 2015, Rev Sept 24, 2015, Rev October 1, 2015 cut to 6 months  
 Prepared by: AJS



Task	Item	Quantity	Units	Rate	Total	Comments
3	<b>Field Office-Project Management</b>					
	<b>1 Manager onsite From OCTOBER 1, 2015 to July 1, 2016</b>					
	Construction Manager (Mr. Dan Chism)	992	hours	\$50.00	\$49,600.00	See Labor Breakdown
	<b>Direct Salary</b>				\$49,600.00	
	Overhead			163.63%	\$81,160.48	
	<b>Subtotal</b>				\$130,760.48	
	Fee			12.00%	\$15,691.26	
	<b>Direct Salary + OH + Fee</b>				\$146,451.74	F&ME Field Total
	Monthly Lease on Vehicle	6	Months	\$828.03	\$4,968.16	See Worksheet for Cost Estimation
	Relocation Cost	0	Each	\$1,000.00	\$0.00	
	Rent	6	Months	\$1,450.00	\$8,700.00	
	Per Deim	0	days	\$32.00	\$0.00	
	<b>Non-Salary</b>				\$13,668.16	Reimbursables
	<b>Subtotal</b>				\$160,119.90	
	<b>Onsite Admin Assistant Onsite</b>					
	Document Control Clerk	992	hours	\$23.00	\$22,816.00	40 Hours Per Week See Labor Breakdown
	<b>Direct Salary</b>				\$22,816.00	
	Overhead			163.63%	\$37,333.82	
	<b>Subtotal</b>				\$60,149.82	
	Fee			12.00%	\$7,217.98	
	<b>Direct Salary + OH + Fee</b>				\$67,367.80	F&ME Field Total
	Monthly Lease on Vehicle	0	Months	\$0.00	\$0.00	
	Relocation Cost	0	Each	\$2,000.00	\$0.00	
	Rent	0	Months	\$1,000.00	\$0.00	
	Per Deim	0	days	\$32.00	\$0.00	
	<b>Non-Salary</b>				\$0.00	Reimbursables
	<b>Subtotal</b>				\$67,367.80	
	<b>Task Subtotal</b>				\$227,487.70	
4	<b>Materials Testing and Labwork</b>					
	Construction Services Manager	0	hours	\$28.00	\$0.00	
	Document Control Clerk	0	hours	\$23.00	\$0.00	
	<b>Direct Salary</b>				\$0.00	
	Overhead			235.88%	\$0.00	
	<b>Subtotal</b>				\$0.00	
	Fee			12.00%	\$0.00	
	<b>Direct Salary + OH + Fee</b>				\$0.00	
	Allowance for Laboratory Testing <b>Bridgework Only</b>	1	each	\$322,874.00	\$341,250.00	
	Allowance for Laboratory Testing <b>Roadway Only</b>	1	each	\$8,750.00	\$8,750.00	
	Rental of Specialty Equipment	0	each		\$0.00	
	<b>Non-Salary</b>				\$350,000.00	
	<b>Completed to Date</b>				-\$185,000.00	
	<b>Task Total</b>				\$165,000.00	Total for Lab Testing

F&ME Consultants  
 CE&I for From October 1, 2015 to March 31, 2016 (6 months or 26 weeks)  
 Bluffton 5a Flyover  
 Task Detail  
 Date: August 21, 2015, Rev Sept 24, 2015, Rev October 1, 2015 cu  
 Date: August 21, 2015, Rev Sept 24, 2015, Rev October 1, 2015 cut to 6 months  
 Prepared by: AJS



Task	Item	Quantity	Units	Rate	Total	Comments
5	Survey Verification (A&B)	1	each		\$206,000.00	
	Complete to Date				-\$139,872.00	
	Additional Required				\$45,000.00	
	<b>Task Total</b>				<b>\$111,128.00</b>	<b>Total for Survey Verification</b>
6	A*2 Safety Program	1	each		\$63,345.00	
	Complete to Date				-\$63,345.00	
	Additional Required	12	Visits	\$1,350.00	\$16,200.00	Two Visits Per Month From Oct 1, 2015 to August 1, 2016
	<b>Task Total</b>				<b>\$16,200.00</b>	<b>Total for Safety Program</b>
7	Environmental Compliance					
	Tidewater Support					
	Salt Marsh Impact Monitoring	60	hours	\$135.00	\$8,100.00	Marsh Grass Shoot Counts Project Closeout
	Senior Environmental Scientist Support	50	hours	\$135.00	\$6,750.00	Assume 5 hours per month
	Subtotal				\$14,850.00	
	Travel	8,400	miles	\$0.50	\$4,200.00	Reimbursables
	Subtotal				\$19,050.00	
	<b>Task Total</b>				<b>\$19,050.00</b>	
8	Shaft Integrity Testing					
	CSL Testing for Drilled Shafts	55	each	\$2,000.00	\$110,000.00	
	PDA Testing for Driven Pile	26	each	\$3,075.00	\$79,950.00	
	Subtotal				\$189,950.00	
	Completed to Date				-\$162,275.00	
	Four additional restrikes				\$12,300.00	
	<b>Task Total</b>				<b>\$39,975.00</b>	<b>Shaft Integrity Testing (added four PDA's for restrikes)</b>



2015

December

T	W	Th	F	M	T	W	Th	F	M	T	W	Th	F	M	T	W	Th	F	M	T	W	Th
1	2	3	4	7	8	9	10	11	14	15	16	17	18	21	22	23	24	25	28	29	30	31
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8				8	8	8	
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8				8	8	8	
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8				8	8	8	
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8				8	8	8	
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8				8	8	8	
	6	8				6	8															
		8					8					8										

1



2016

March

T	W	Th	F	M	T	W	Th	F	M	T	W	Th	F	M	T	W	Th	F	M	T	W	Th
1	2	3	4	7	8	9	10	11	14	15	16	17	18	21	22	23	24	25	28	29	30	31
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
8	8	8	8	8	8	8	8	8	8	8	8											
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	6	8			6	8			6	8			6	8			6	8			6	8
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8

1

F&ME Consultants

CE&I for From October 1, 2015 to March 31, 2016 (6 months or 26 weeks)

Bluffton 5a Flyover

Task Detail

Date: August 21, 2015, Rev Sept 24, 2015, Rev October 1, 2015 cut to 6 months

Date: August 21, 2015, Rev Sept 24, 2015, Rev October 1, 2015 cut to 6 months

Prepared by: AJS



Testing Cost Breakdown

Description	Unit	Cost Each	Est. No. Req.	Subtotal	Comments
Soil Classification	each	\$175.00	50	\$8,750.00	SCDOT Geotec On Call Rate
Loss of Ignition	each	\$100.00		\$0.00	SCDOT Geotec On Call Rate
Bulk Unit Weight	each	\$100.00		\$0.00	
Undisturbed Sample	each	\$105.00		\$0.00	SCDOT Geotec On Call Rate
Specific Gravity	each	\$40.00		\$0.00	SCDOT Geotec On Call Rate
Grain Size Distribution w/o Hyd.	each	\$65.00		\$0.00	SCDOT Geotec On Call Rate
Grain Size Distribution w/ Hyd.	each	\$125.00		\$0.00	SCDOT Geotec On Call Rate
Grain Size Distribution w/ wash 200 Sieve	each	\$30.00		\$0.00	SCDOT Geotec On Call Rate
Atterburg Limits	each	\$65.00		\$0.00	SCDOT Geotec On Call Rate
Moisture Contents	each	\$9.00		\$0.00	SCDOT Geotec On Call Rate
Triaxial - CU w/ pore pressure measurements	each	\$750.00		\$0.00	SCDOT Geotec On Call Rate
Direct Shear (Borrow and MSE Wall Backfill)	each	\$850.00		\$0.00	SCDOT Geotec On Call Rate
Standard Proctor Test	each	\$100.00		\$0.00	SCDOT Geotec On Call Rate
CBR Test @ 90%, 95%, 100%	each	\$450.00		\$0.00	SCDOT Geotec On Call Rate
Unconfined Rock Compressive Strength	each	\$125.00		\$0.00	SCDOT Geotec On Call Rate
Resistivity - Soil	each	\$125.00		\$0.00	SCDOT Geotec On Call Rate
Chloride Content	each	\$400.00		\$0.00	SCDOT Geotec On Call Rate
pH - Soil	each	\$40.00		\$0.00	SCDOT Geotec On Call Rate
Sulfate - Soil	each	\$400.00		\$0.00	SCDOT Geotec On Call Rate
Flat Plate Dilatometer	each	\$750.00		\$0.00	SCDOT Geotec On Call Rate
Disturbed Soil Samples	each	\$55.00		\$0.00	SCDOT Geotec On Call Rate
Organic Content	each	\$65.00		\$0.00	SCDOT Geotec On Call Rate
Pavement Coring Equipment	days	\$185.00		\$0.00	
Aggregate Sieve Analysis	each	\$90.00	50	\$4,500.00	
Cement Testing	each	\$1,000.00	120	\$120,000.00	
Rebar Testing	each	\$300.00	550	\$165,000.00	
Concrete Compression Testing	each	\$74.00	451	\$33,374.00	
<b>Geophysical</b>					
Ground Penetrating Radar	days	\$1,500.00		\$0.00	SCDOT Geotec On Call Rate
Multi-Channel Analysis of Surface Waves (MASW)	days	\$1,800.00		\$0.00	SCDOT Geotec On Call Rate
			<b>Total</b>	<b>\$331,624.00</b>	

Vehicle Cost for SCDOT CE&I Services

**Ford F150 STX  
Std. Bed 2 WD**

<b>Monthly Cost to Purchase</b>	\$	637.19
<b>Taxes/Licenses</b>	\$	61.00
<b>Maintenance</b>	\$	175.00
<b>Insurance</b>	\$	92.00
<b>Equipment</b>	\$	22.00
<b>Subtotal</b>	\$	987.19
<b>60/40 Split with SCDOT</b>	\$	592.31
<b>Fuel</b>	\$	235.71
<b>Per Month Cost</b>	<b>\$</b>	<b>828.03</b>

**Lease Payment**

Purchase Price	\$	30,285.00
Sales Tax @ \$300	\$	300.00
Total Purchase Price	\$	30,585.00
Monthly Purchase Cost	\$	637.19

*Estimated 48 months of use*

**Taxes/Licenses**

(five year average = 735/year)  
735

<b>Total Monthly Tax/License</b>	\$	<b>61.00</b>
----------------------------------	----	--------------

**Maintenance**

Oil Changes:

12 x \$36 / 12 Mo. \$ 36.00

Major tune-up:

1 per 100,000 miles @ \$900 \$ 15.00

Washes:

est 12 x \$20 / 12 Mo. \$ 20.00

Misc. Fluids/wiper blades/trans svc./unforeseen:

est. \$300/year \$ 25.00

Tires:

3 x \$950 / 36 Mo. \$ 79.00

<b>Total Monthly Maintenance</b>	<b>\$</b>	<b>175.00</b>
----------------------------------	-----------	---------------

**Insurance**

Annual Cost - \$1,100		
\$1100 / 12 Mo.	\$	92.00

**Equipment**

Light Bar / Strobes		
\$600 / 48 Mo.	\$	13.00

Bed Liner		
\$189 / 48 Mo.	\$	4.00

Tool Box		
\$255 / 48 Mo.	\$	5.00

<b>Total Equipment</b>	<b>\$</b>	<b>22.00</b>
------------------------	-----------	--------------

**Fuel**

Average Miles Per Day		50
22 Days/Mo. (Miles/Mo.)		1,100
Est. 14 MPG (Gal/Mo.)		78.57
Gal/Mo. @ \$3.00/Gal	\$	235.71
<b>Total Monthly Fuel</b>	<b>\$</b>	<b>235.71</b>



**COUNTY COUNCIL OF BEAUFORT COUNTY**  
**BEAUFORT COUNTY ENGINEERING DEPARTMENT**  
104 Industrial Village Road, Building #3, Beaufort, SC 29906  
Post Office Drawer 1228, Beaufort, SC 29901-1228  
Telephone: 843-255-2700 Facsimile: 843-255-9420

TO: Councilman Gerald Dawson, Chairman, Public Facilities Committee

VIA: Gary Kubic, County Administrator *G. Kubic*  
Josh Gruber, Deputy County Administrator *JG*

FROM: Robert McFee, PE, Division Director of Construction Engineering & Facilities *JR McFee*

SUBJ: **2016 C Fund Revenue & SCDOT Road Resurfacing**

DATE: October 12, 2015

**BACKGROUND.** In 2015, the South Carolina Legislature passed a supplemental appropriation for the pavement rehabilitation, preservation and resurfacing of state owned secondary roads. Because of the many years of deferred maintenance, Beaufort County seeks to program the maximum number of pavement preservation miles possible. Per the attached July 9, 2015 SCDOT letter, Beaufort County's total 2016 funding allocation will be \$7,888,080 for the C Fund Program.

Attached is a listing of SCDOT secondary roads that have been deemed in need of pavement improvements. The County Engineering staff worked with representatives from the various municipalities and SCDOT's resident maintenance engineer to produce this listing.

The recommended SCDOT secondary roads were presented to the Beaufort County Transportation Committee (BCTC) at their September 16, 2015 meeting. The BCTC unanimously approved all the roads on the recommended SCDOT secondary roads pavement improvement list.

Beaufort County will be advertising for pavement improvements on the listed SCDOT roadways. Contractors will be asked to review the priority listing of SCDOT roads and develop a proposal package that may include resurfacing, chip sealing, slurry seal, full depth patching and other SCDOT approved preservation techniques, alone or in combination, for the preservation of the roadways on the list provided. Staff will then determine with the funds available how many SCDOT roads on the approved prioritized listing can have pavement improvements.

**ACTION.** Public Facilities Committee Meeting on October 19, 2015.

**RECOMMENDATION.** This agenda item is presented as information only and does not require any action by the Public Facilities Committee or County Council.

JRM/mjh

- Attachments: 1) 2016 SCDOT Roads for Resurfacing  
2) Location Maps  
3) SCDOT July 7, 2015 Ltr



South Carolina  
Department of Transportation

July 9, 2015

Mr. Irvin Campbell, Chairman  
Beaufort County Transportation Committee  
68 Oak View Road  
Hilton Head, South Carolina 29926

RE: State Fiscal Year 2015/2016 C Fund Revenue

Dear Chairman Campbell:

The South Carolina General Assembly recently passed legislation (H.4230), which resulted in the authorization of \$216,329,114 in additional one-time (non-recurring) funding for the CTC program. Individual CTC's portion of the additional funding is determined in accordance with the allocation formula stipulated in S. C. Code Ann. Section 12-28-2740 (the C-Fund law). Beaufort's portion is projected to be \$5,667,823. This money is to be divided into two different categories since it will be made available to the CTC at different times in lump sum payments. The first amount of \$1,847,100, specified as a one-time appropriation, is planned to be made available to the CTC by the end of August. It is anticipated the second amount of \$3,820,723, described as a forecasted additional distribution, will be made available to the CTC later this fall once the state closes the accounting books for SFY14-15. Our office will notify the Committee later this year when the forecasted additional distribution will be made available to the statewide CTC fund account and subsequently released to the individual CTCs.

The new legislation specifies CTCs shall utilize all the non-recurring funds for use on the state-owned secondary road system for paving, rehabilitation, resurfacing, and/or reconstruction, and bridge repair, replacement, or reconstruction. No funds from this allocation shall be used for any road, bridge, or highway that is not part of the state owned system. In order to try to assist the CTCs in identifying potential projects, the South Carolina Department of Transportation (SCDOT) has evaluated the secondary roads and bridges in your county using objective and quantifiable factors in a similar manner as we do to identify candidate projects for our own ACT 114 compliant resurfacing program. This list is not meant to bind the CTC, but to simply provide a starting point for the CTCs to consider as you begin your deliberations on selecting resurfacing projects. A list of potential bridge replacement candidates will be provided upon request. SCDOT will gladly review the list with the Committee and assist in making a recommendation for the CTC's approval. Please contact your local SCDOT engineer, for assistance or guidance in the selection process if needed. In order to properly account for the expenditure of funds on the state system for the recurring and non-recurring, our office has revised the SCDOT Programming Request Form. The CTC can now indicate the correct funding category when programming work on the state system. Please find this revised form enclosed for your use.



Mr. Irvin Campbell

Page 2

July 9, 2015

In addition to the non-recurring funding, it is projected that the Committee will also receive \$1,865,700 from the normal (recurring) apportionment for State Fiscal Year (SFY) 2015/2016 to be made available to the Committee in similar monthly distributions as in past years. It is calculated that Beaufort CTC will also receive \$354,557 this SFY for their portion of the donor bonus funds. These funds are to be expended in accordance with the requirements outlined in the C-Fund law.

For paving, rehabilitation, resurfacing, and/or reconstruction programming requests on the state system, SCDOT's administrative charges are 1 percent of the project bid price for engineering services and 6 percent for the construction engineering and inspection services. Please ensure that these amounts are included in the programming requests if SCDOT is administering the projects. These percentages are in line with a recent analysis of SCDOT's costs for these types of projects. The lump sum amounts will constitute full payment for the engineering services. SCDOT would absorb additional costs if these expenses exceed the lump sum price. Similarly should the charges be less than the lump sum price, a credit would not be allowable. If major changes or revisions, either increasing or decreasing the project costs, are required due to unforeseen circumstances, a request by the CTC, or local community action, then necessary adjustments would be made.

If another governmental entity besides SCDOT is managing the work for the non-recurring funds, please ensure that the Committee notifies our office in writing of the proposed project including the state secondary road numbers. This notification can be accomplished through a Request for Programming form or through a letter from you. This is necessary in order to verify prior to expending any funds that the work to be accomplished is in accordance with the requirements of the state law.

The CTC's dedication to the community is greatly appreciated. SCDOT looks forward to working with the Committee to improve the quality of transportation elements in the county. Please do not hesitate to contact me at 803-737-0230 if you have any questions or need additional information.

Sincerely,



Herbert J. Cooper, P.E.

Local Program Administrator

HJC:seaj

Enclosures

cc: Christy A. Hall, P.E., Acting Secretary of Transportation  
Leland Colvin, Chief Engineer for Project Delivery  
Jim Feda, Acting Chief Engineer for Operations  
Robert T. Clark, District Six Engineering Administrator  
John Boylston, Low Country Region Production Group Engineer  
J. Allen Hutto, Governmental Relations Officer

File: LPAA/SEAJ/LPAO/HJC

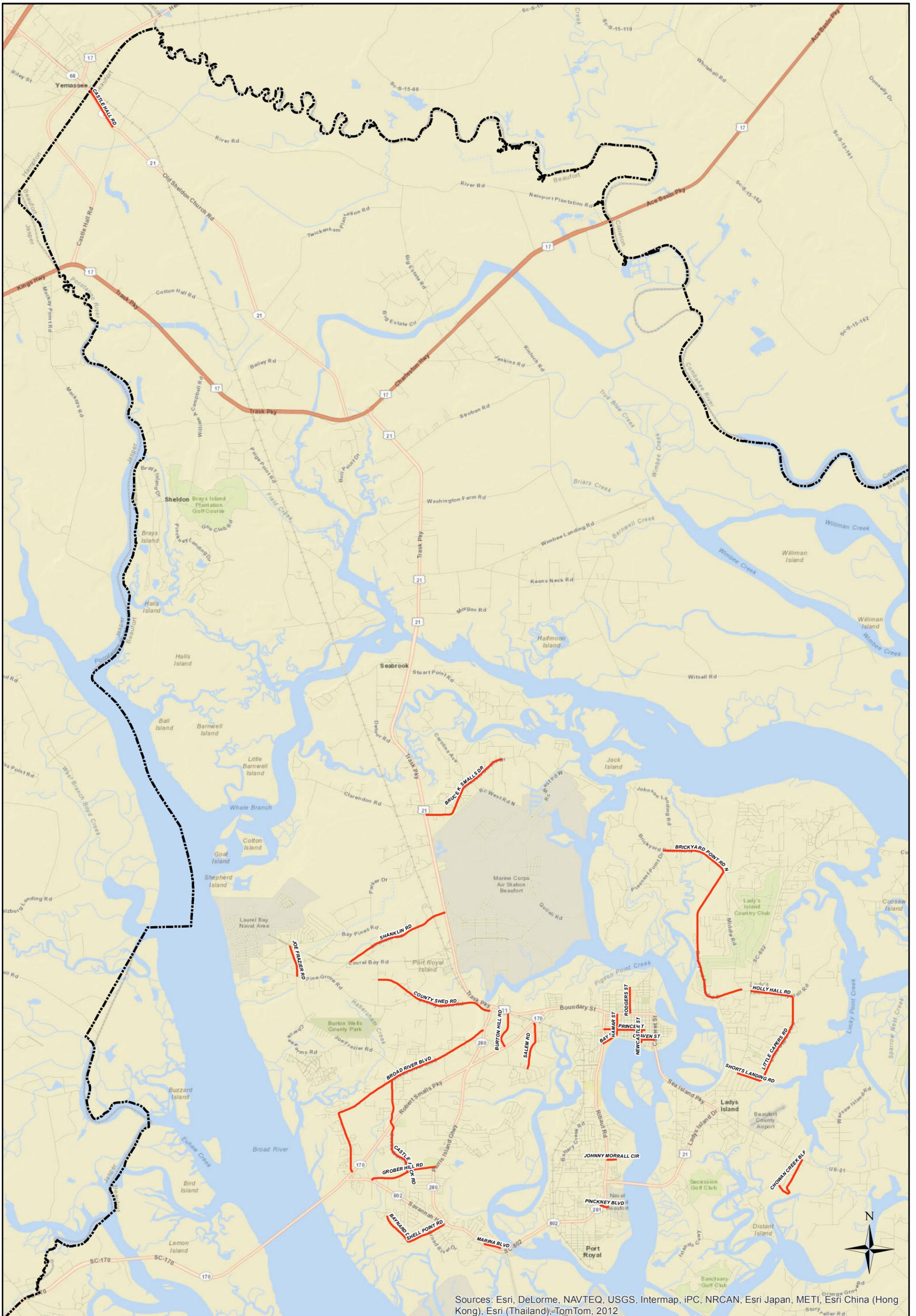
2016 CTC Resurfacing Priority Listing

9/15/2015

Road Name & Number	Number	FROM	Number	TO	Number	Length (mi)	AADT	YEAR OF COUNT
Pope Avenue	S-7-80	US 278/Sea Pines Circle		Cologny Circle		1.00	26750	2014
Brickyard Point Road	S-7-72	Middle Road	S-7-750	Pleasant Point Drive	S-7-258	4.30	8200	2014
Burnt Church Road	S-7-163	Bridge Street	S-7-13	Bruin Road	S-7-120	0.50	5600	2014
Joe Frasier Rd	S-7-40	Morrall Drive	S-7-263	Laurel Bay Rd	SC 116	0.61	5000	2014
Bay St	S-7-6	Hamar St	S-7-67	Ribaut Rd	SC 281	0.29	4900	2014
Broad River Blvd	S-7-20	Parris Island Gateway	US 21	Robert Smalls Parkway	SC 170	4.20	4550	2014
Castle Rock Road	S-7-589	Broad River Blvd	S-7-20	Grober Hill Road	S-7-23	1.80	3100	2014
Castle Hall Road	S-7-3	Hampton County Line		Old Sheldon Church Road	S-7-21	0.80	2900	2014
County Shed Road	S-7-73	Parris Island Gateway	US 21	Stanley Road	S-7-390	2.30	2300	2014
Salem Rd	S-7-457/S-7-234	Robert Smalls Parkway	SC 170	End state Maintenance		0.95	2300	2014
Ulmer Road	S-7_592	Benton Field Road	Local Road	Forman Hill Road	Local Road	0.50	2100	2014
Dillon Road	S-7-344	Wm Hilton Parkway	US 278 Business	Beach City Road	S-7-333	1.80	1950	2014
Pinckney Blvd & Connector	S-7-158	Parris Island Gateway	US 21	End of State Maintenance		0.22	1900	2014
B K Smalls Road	S-7-71	Trask Parkway	US 21	Ard Road	Local Road	1.80	1900	2014
Johnny Morrall Circle	S-7-151	Ribault Rd	SC 281	Morrall Circle	S-7-153	0.25	1800	2014
Chown Creek Bluff	S-7-838	Sea Island Parkway	US 21	End of State Maintenance		1.30	1800	2014
Burton Hill Road	S-7-764	Robert Smalls Parkway	SC 170	Broad River Blvd	S-7-20	1.00	1700	2014
Shanklin Road	S-7-86	US 21 Project Limit		Laurel Bay Road	SC 116	2.10	1650	2014
Holly Hall Rd	S-7-112	Sams Point Rd	SC 802	Little Capers Rd	S-7-254	0.80	1500	2014
Little Capers/Shorts Landing	S-7-254	Sams Point Rd	SC 802	Holly Hall Rd	S-7-112	2.00	1500	2014
Grober Hill Road	S-7-23	Parris Island Gateway	US 21	Savannah Hwy	SC 128	1.30	1300	2014
Bridge Street	S-7-13	Calhoun Street	S-7-13	Burnt Church Road	S-7-163	0.30	1000	2014
Shad St	S-7-427	Alljoy St	S-7-13	Forman Hill Road	Local Road	0.53	1000	2014
Shell Point Rd/Baynard Rd	S-7-256	Savannah Hwy	SC 128	Willow Point	Local road	1.30	1000	2014
Craven St	S-7-62	Carteret St	US 21 Business	Church St	S-7-101	0.31	700	2014
Marina Blvd	S-7-651	Trask Parkway	US 21	End of State Maintenance		0.25	700	2014
Rodgers Street	S-7-171	Boundary Street	US 21 Business	Laudonniere Street	S-7-176	0.50	650	2014
Newcastle St	S-7-100	Prince St	S-110	Bay St	S-7-6	0.18	600	2014
Prince St	S-7-110	Ribaut Rd	US 21 Business	Charles St	S-7-133	0.62	375	2014
Hamar St	S-7-67	Boundary St	US 21 Business	Bay St	S-7-6	0.40	375	2014

34.21

- Criteria:
- 1) Condition FDP, Microsurfacing,
  - 2) Classification Chipseal, HMA Overlay
  - 3) Traffic Count

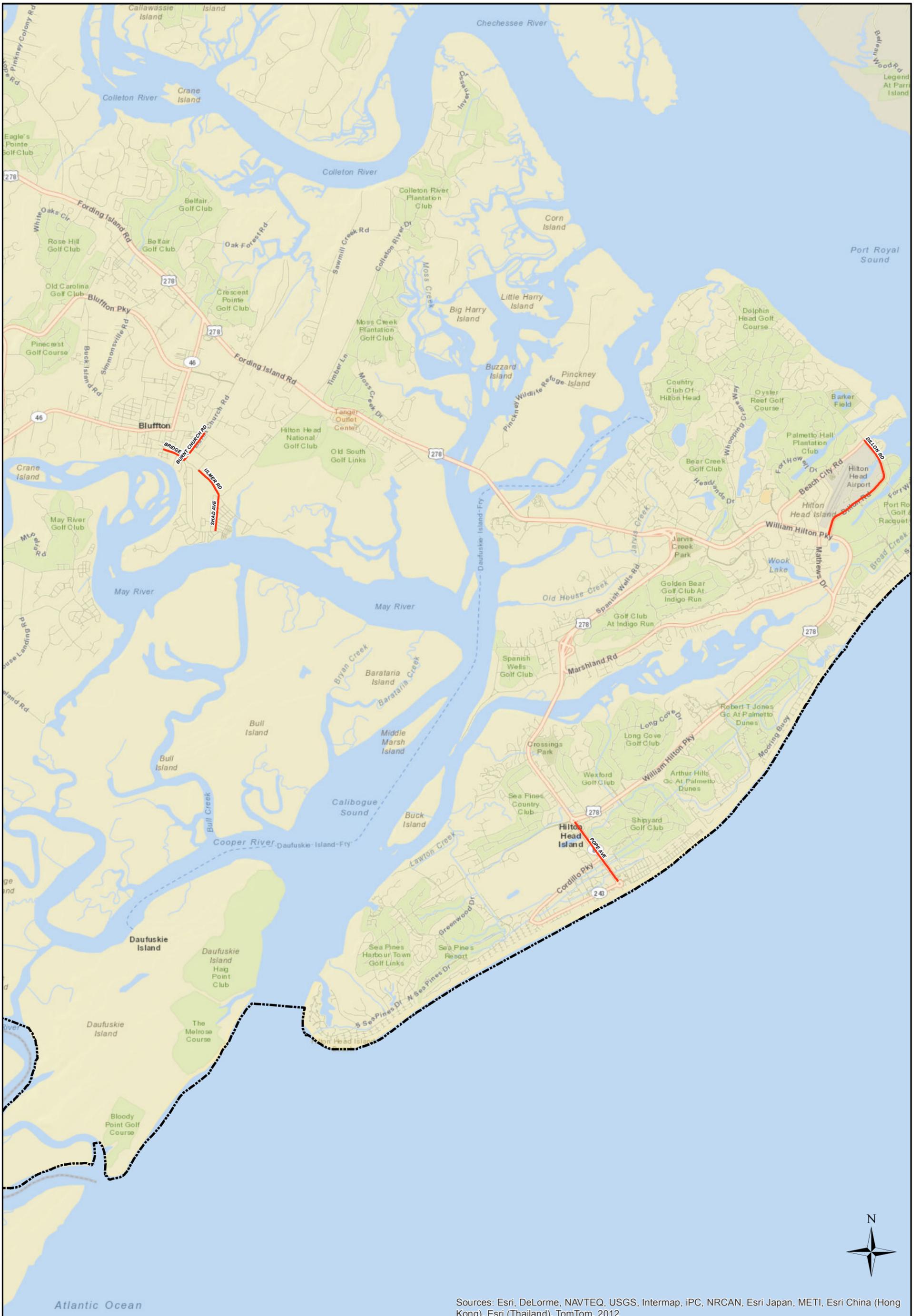


Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2012

# PROPOSED 2016 CTC Resurfacing Projects: North of the Broad River

Map Generated September 16, 2015





Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, IPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2012

# PROPOSED 2016 CTC Resurfacing Projects: South of the Broad River

Map Generated September 16, 2015

