

Transportation Penny Advisory Committee Meeting

Monday, March 28, 2016 at 5:30 PM

4th Floor Conference Room

2020 Hampton Street, Columbia SC 29202

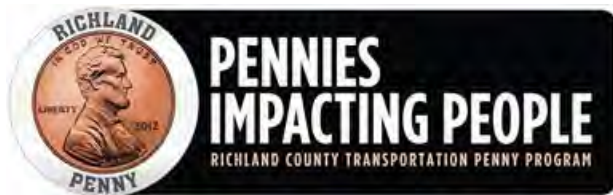
Agenda

- 1. Call to Order:** Hayes Mizell, Chairman
- 2. Adoption of the Agenda**
- 3. Approval of Minutes:** February 22, 2016: [Pages 3 - 7]
- 4. Citizen's Input**
- 5. Small Local Business Enterprise Program:** Program update [Pages 8 – 26]
- 6. The Comet:** Program update
- 7. Update on Council Actions**
- 8. Audit Update**
- 9. February 2016 Progress Report:** Questions and Answers
- 10. County Transportation Improvement Plan (CTIP)** [Pages 27 – 54]
- 11. Organizational Charts** [Pages 55 – 61]
- 12. Motions**
 - a) Ms. Kososki [Pages 62]
 - b) Mr. Hayes [Pages 63]
- 13. Program Development Team's project Public Information Approach**
- 14. Other Business**
- 15. Next Scheduled Meeting:**

a) Monday April 25, 2016 @ 5:30 PM – 2020 Hampton Street

16. Adjourn

TRANSPORTATION PENNY ADVISORY COMMITTEE MEETING
MONDAY, FEBRUARY 22, 2016
RICHLAND PENNY PROGRAM DEVELOPMENT TEAM OFFICE
201 ARBOR LAKE DRIVE, COLUMBIA SC



In accordance with the Freedom of Information Act, a copy of the agenda was sent to radio and TV stations, newspapers, persons requesting notification, and was posted on the bulletin board located in the lobby of the County Administration Building.

MEMBERS PRESENT: Hayes Mizell, Carol Kososki, Murray Coleman, Trevor Bowers, Bill Wiseman, James Faber, Frank Anderson, J. T. McLawhorn, Councilman Paul Livingston, and Councilman Norman Jackson

OTHERS PRESENT: Rob Perry, Shawn Salley, Michelle Onley, Tony Edwards, Cheryl Patrick, Chris Gossett, Brenda Parnell, Tony McDonald, and Kristen Hutto

CALL TO ORDER

The meeting was called to order at approximately 5:39 p.m.

ADOPTION OF THE AGENDA

The agenda was adopted unanimously.

APPROVAL OF MINUTES

January 25, 2016 – The minutes were approved unanimously.

CITIZEN'S INPUT

No one signed up to speak.

DEPARTMENT OF REVENUE AUDIT

Mr. McDonald stated there is a continued dialogue with the Department of Revenue, but there has not been any significant new information. There has not been any communication from law enforcement regarding any possible legal action to date.

SMALL LOCAL BUSINESS ENTERPRISE PROGRAM

Mr. Livingston requested the OSBO Office staff to introduce themselves for the benefit of the committee.

THE COMET

Mr. Samuel Scheib, Planning Manager, gave a brief update regarding the COMET.

- 2.2 million boardings on the system; highest since 2009
- RFP completed for purchase of 8 diesel buses
- 2 new members on the Board of Directors; Joyce Dickerson – Richland County and Carolyn Gleaton – City of Columbia
- New officers will be elected on February 24th
- Working on getting bus shelters/benches installed

Ms. Kososki requested monthly and/or quarterly budget reports from the COMET.

Mr. McLawhorn inquired if there was a way to expedite placement of the shelters.

Mr. Scheib stated the COMET has contracted with a consulting firm to get the shelters constructed. The main hurdle has been State procedures that have to be followed. (i.e. sight design, acquiring right-of-way easement on private property).

Mr. McLawhorn expressed his concern regarding the need for shelters in the lower income areas of the County. He requested the matter be researched and the shelters constructed as expeditiously as possible.

Ms. Kososki inquired about moving the bus stop into the Forest Drive Wal-Mart parking lot.

Mr. Scheib stated Wal-Mart was approached about moving the bus stop into the parking lot and they declined the offer.

Mr. Faber requested a definitive time for the bus shelter in the Eastover area to be built.

Mr. Scheib stated all of the shelters presently purchased with 5307 urban funds and cannot be used to put in a bus shelter outside of the urban area, which Eastover is outside of zone allowed. Therefore, different shelters have to be ordered using 5311 funds.

UPDATE ON COUNCIL ACTIONS

Mr. Livingston stated Council requested TPAC to work with staff to move forward as quickly as possible to do an assessment of the Penny Program.

Mr. Mizell requested in the future a written request from Council if they direct TPAC to take action on a matter.

Mr. Perry stated the Finance Director to working on a scope of work for the external audit.

JANUARY 2015 PROGRESS REPORT

Mr. Perry stated Council approved 2 sidewalks projects: (1) Sidewalk S2 – Maple Street (District 6) and Mildred Avenue (District 4); and (2) Sidewalk S4 – Wiley Street (District 10). Both of the sidewalk projects are sheltered market projects.

Mr. Bowers inquired if the dirt road paving program was on track.

Mr. Perry stated Council revised the Dirt Road Paving Ordinance to rank the dirt road projects by who would benefit the most (i.e. number of houses, churches, etc.). With the \$45 million in available funding, 107 of the dirt roads are currently being worked on and the remaining roads will be moving forward in years 3 and 4.

Resurfacing Bid Opening is Wednesday, February 24th at 2:00 in the 4th Floor Conference Room. Everyone is invited to come to the opening.

Upcoming Public Meetings:

February 29th – Pinewood Widening Public Meeting
March 10th – Shop Road Widening Public Meeting
March 24th – Southeast Richland Neighborhood Project Public Meeting

Mr. Wiseman raised questions about the ranking of the widening and intersection improvement projects.

Mr. Perry stated the only projects that are active appear on the reports. The projects were not prioritized, but grouped by category. The Program Development Team took Council/TPAC's ranking criteria and ranked all of the projects by category and then presented them to Council for approval.

Mr. Wiseman requested Mr. Perry explanation the expenses listed on p. 6 of the Monthly Progress Report provided to TPAC.

Mr. Perry stated:

- a. Mitigation Bank – purchase of property and to set up mitigation bank for the property;
- b. Bond Debt Service – Fees associated with the Bond Anticipation Note issued by County;
- c. County Transportation – Transportation Staff
- d. County OSBO/SLBE – OSBO Staff and Operating Budget
- e. PDT LNTP – Program Development Team – Limited Notice to Proceed
- f. PDT Operations – Program Development Team Contract
- g. Dirt Road Paving Management – Dennis Corporation and subs developing the 107 dirt roads
- h. Design/Right-of-Way/Construction – Project Level Costs

Mr. Gossett stated the list provided to the committee members is generated through B2G Now (SLBE Tracking Program). Every time a contract is signed with someone, a copy of that contract is forwarded to the SLBE office for tracking.

Mr. Wiseman expressed concern that the numbers in the report from the SLBE Office does not match the numbers in the Monthly Progress Report.

Ms. Kososki stated she will be submitting a memorandum requesting formatting and labeling changes.

Mr. Faber inquired about the progress on the Shop Road Extension.

Mr. McLawhorn stated there were rumblings in the community about SLBE firms having multiple contracts. He inquired if it was true there are SLBE firms that are doing work on different contracts.

Mr. Gossett stated there are firms that are working on multiple projects.

Mr. requested an organizational chart of all the firms currently working on projects.

GILLS CREEK GREENWAY PROJECT

Gills Creek is one of the 15 greenways located in the original referendum and when ranked it was the 3rd greenway to be designed.

Mr. Beatty stated the Gills Creek public meeting was held February 11th wherein approximately 350 residents attended the meeting. Many of the residents were against the project and many were for the project; therefore, the Program Development Team is still digesting the comments from the meeting. Acceptance of public comment will continue through February 26th.

CLEMSON ROAD AND SPARKLEBERRY LANE INTERSECTION IMPROVEMENT

A traffic count was conducted during the morning and evening peak hours. The findings were there are just as many automobiles going straight as are turning.

A public information meeting was held December 3rd. The Program Development Team presented 4 options and simulations for the public to review. Most residents were in favor of pursuing the "out-of-the-box" diverging alternative.

From a business and safety standpoint the diverging alternative was the best alternative and most cost beneficial to handle the matter long-term.

There are cost savings on other projects that should make up for the difference in costs to do the diverging alternative.

OTHER BUSINESS

Mr. McLawhorn inquired how Council is handling the land use planning besides the Penny Tax.

Mr. Jackson stated the neighborhood master plans determine how the County moves forward in the future. The master plans give Council an idea how the area should look.

NEXT MEETING: MONDAY, MARCH 28, 2016 AT 5:30 PM

ADJOURN

The meeting adjourned at approximately 7:00 p.m.



TRANSPORTATION PENNY ADVISORY COMMITTEE UPDATE

March 28, 2016

1. Office Overview

- OSBO staff prepared a report for and attended the February 23 Dirt Road Advisory Committee meeting
- OSBO staff attended Transportation Penny funded projects Resurfacing Packages E & F bid openings on February 24
- OSBO attended the 2016 Small and Minority Business Contracting and Certification Forum on March 2
- OSBO met with DESA (a certified SLBE firm), Transportation Department representatives, and Richland County Administration on March 3 regarding the need for MicroStation/GEOPAK software training to be offered through Richland County
- OSBO staff attended the Transportation Penny funded projects Resurfacing Packages G & H Pre-Bid Conference on March 9
- OSBO staff attended the Transportation Ad Hoc Committee Meeting on March 10
- OSBO staff attended procurement training on March 10 at the South Carolina Fiscal Accountability Authority (formerly known as the Budget & Control Board)
- OSBO staff met with members of the Program Development Team and Transportation Department personnel regarding B2GNow reporting on March 16
- OSBO staff revised the SLBE participation goals for Transportation Penny funded projects Resurfacing Packages G & H to 3.5% and 12.36% respectively
- OSBO staff is reviewing the plans and specifications of the Transportation Penny funded Three Rivers Greenway – Saluda Riverwalk Phase I Project in order to develop the SLBE participation goal
- OSBO staff is revising the SLBE participation goal for the Transportation Penny funded project Shop Road Extension Phase 1 due to a revised engineer's estimate
- OSBO staff assisted several firms at the office's business kiosk with application submittal and B2GNow related issues.

2. SLBE Certification Application Process

- Eleven (11) applications were processed February 23 – March 28, 2016
- Two (2) firms have applied for an expanded certified area of work
- Three (3) applicants have not submitted all of the required documentation to proceed
- One (1) applicant is pending the completion of a site visit
- Two (2) firms are under review for eligibility by OSBO staff
- One (1) firm was approved for SLBE certification
- Two (2) firms have been decertified and removed from the certified directory
- Seven (7) firms have started the certification process but have not yet submitted a complete application

3. SLBE Certification Program Overview

A) SLBE Firms by Industry Category

Primary Industry Category	Total Firms
Construction Services	40
Professional Services	23
Non-Professional Services	3
Engineering Services	10
Architectural Services	5
Wholesale Operations	1
Total	82

B) Ethnicity & Gender of Certified SLBE Firms

Ethnicity	SLBE Firms
African American	52 (63.41%)
Asian	2 (2.44%)
Caucasian	27 (32.93%)
Hispanic	1 (1.22%)

Gender	SLBE Firms
Male	57 (69.51%)
Female	25 (30.49%)

4. SLBE Contract Participation

- Approximately forty one percent (34/82) of the certified (E)SLBE firms are participating on a Richland County contract. Approximately thirty seven percent (30/82) of the SLBE firms' participation is currently being counted for credit toward SLBE participation goals
- \$23,706,046.05 has been awarded to SLBE firms (for credit towards SLBE participation goals) and \$9,486,580.33 or approximately 40.02% of those funds have been paid to the SLBE firms (See Exhibit A)
- \$76,418,119.39 in Penny Tax Funds over twenty four open contracts/service orders are currently being tracked by the OSBO in the B2GNow Compliance Management System (See Exhibit B)
- Performance and payment on twenty two of the twenty four contracts has begun (See Exhibit C)
- Of the five On-Call Engineering Team (OET) contracts, one is currently meeting their overall SLBE goal (See Exhibit D)



EXHIBIT A

Certified Firms with Awards & Payments

Each SLBE certified firm that has been awarded a contract related to the Transportation Penny Tax Funds is listed with the total amount awarded and paid to date. If a firm was certified post-award of a contract, the firm is performing areas of work not certified by the SLBE program, or the firm's performance is being counted towards another type of participation goal, the firm's participation is not being counted for SLBE credit and the "for SLBE Credit" award and payment columns reflect those deductions.

Business Name	Awards	Awards for SLBE Credit	Total Payments	Payments for SLBE Credit
ARM Environmental Services, Inc.	\$9,850.00	\$0.00	\$9,850.00	\$0.00
Banco/Bannister Company, LLC	\$685,023.00	\$685,023.00	\$381,840.78	\$381,840.78
Brownstone Construction Group, LLC	\$6,645,805.00	\$6,645,805.00	\$4,231,630.54	\$4,231,630.54
Cairns Law Firm LLC	\$11,500.00	\$11,500.00	\$0.00	\$0.00
Campbell Consulting Group, LLC	\$665,470.04	\$665,470.04	\$410,340.76	\$410,340.76
Chao & Associates, Inc.	\$554,961.14	\$554,961.14	\$128,976.14	\$128,976.14
Civil Engineering Consulting Services	\$2,413,618.36	\$2,413,618.36	\$217,926.90	\$217,926.90
CMB CLEANING LLC	\$3,500.00	\$3,500.00	\$1,000.00	\$1,000.00
Construction Support Services, LLC	\$351,908.90	\$351,908.90	\$75,413.00	\$75,413.00
Corley Construction, LLC	\$304,183.11	\$304,183.11	\$105,709.76	\$105,709.76
Cox & Dinkins	\$1,937,038.35	\$1,937,038.35	\$795,683.90	\$795,683.90
Dennis Corporation	\$2,111,763.03	\$2,111,763.03	\$1,067,026.81	\$1,067,026.81
DESA, Inc.	\$73,143.95	\$73,143.95	\$21,497.00	\$21,497.00
Elite Concrete Contracting, LLC	\$83,428.48	\$0.00	\$18,518.26	\$0.00
Haley Ray Pavement Markings	\$43,076.41	\$0.00	\$0.00	\$0.00
HOLT Consulting Company, LLC	\$363,494.00	\$363,494.00	\$58,734.59	\$58,734.59
iRealty International	\$105,941.00	\$105,941.00	\$39,550.00	\$39,550.00
J. B. Ladner & Associates, LLC	\$415,871.90	\$415,871.90	\$67,330.19	\$67,330.19
John Bowman Architect, PA, Inc.	\$12,000.00	\$12,000.00	\$6,000.00	\$6,000.00
Kenneth B. Simmons Associates, LLC	\$75,724.00	\$75,724.00	\$47,209.50	\$47,209.50
Mizzell & Associates, LLC	\$167,729.00	\$167,729.00	\$4,080.00	\$4,080.00
OLH, Inc.	\$1,511,384.28	\$1,511,384.28	\$797,908.22	\$797,908.22
Orion Construction Company, Inc.	\$250,000.00	\$250,000.00	\$0.00	\$0.00
P.J. Noble & Associates	\$571,181.92	\$571,181.92	\$100,010.37	\$100,010.37
Parrish & Partners	\$1,209,435.13	\$1,209,435.13	\$207,505.00	\$207,505.00
Premier Constructors, Inc.	\$1,339,978.30	\$1,339,978.30	\$94,014.37	\$94,014.37
S-2 Engineering & Consulting, LLC	\$30,000.00	\$0.00	\$30,000.00	\$0.00
Short Counts, LLC	\$4,350.00	\$4,350.00	\$4,350.00	\$4,350.00
Southern Vistas, Inc.	\$32,979.64	\$32,979.64	\$0.00	\$0.00
SRS Engineering, LLC	\$15,500.00	\$15,500.00	\$10,000.00	\$10,000.00
Taylor Brothers Construction Co.	\$51,338.00	\$51,338.00	\$51,337.50	\$51,337.50
The Dequincey Newman Law Firm	\$123,891.00	\$123,891.00	\$105,225.00	\$105,225.00
The LandPlan Group South, Inc.	\$67,826.00	\$67,826.00	\$34,315.00	\$34,315.00
The Tolleson Limited Company	\$1,629,507.00	\$1,629,507.00	\$421,965.00	\$421,965.00
TOTALS:	\$23,872,400.94	\$23,706,046.05	\$9,544,948.59	\$9,486,580.33

award/payment represents amount retained by prime/subcontractor after subtraction of lower tier subcontractor awards/payments.



EXHIBIT B

Prime & Sub Contractors on Penny Tax Related Projects

A project is tracked by the OSBO when the work is in any way funded by the Transportation Penny Tax. This report is a summary of the twenty-six open contracts currently being tracked by the OSBO. For each contract there is a unique contract number, descriptive title, prime contractor name, contract amount listed. If there was a SLBE or DBE participation goal, it is indicated in the "Contract Goal Percent" column. When there are subcontractors involved, we have broken down the total award by subcontract award.

Contract Number	Contract Description	Prime Contractor	Vendor Type	Subcontractor	For Credit	Contract Amount	Contract Goal Percent	Subcontract Award	Subcontract Percent
B1600880	McNair Law Firm	McNair Law Firm, P.A.	Prime	McNair Law Firm, P.A.	No	\$75,000.00	0.00%		
CN140005	RC-593-C-2014 (DRP	Lane Construction	Prime	Lane Construction Corporation	No	\$667,842.33	0.00%		
CN150002	RC-PW-601-2014 (DRP	Lane Construction	Prime	Lane Construction Corporation	No	\$760,547.74	0.00%		
CN150010	2014 Resurfacing Project Package B RC-101-PT-1415	Sloan Construction Company Inc	Prime	Sloan Construction Company Inc	No	\$1,122,600.22	6.00%		
			Subcontractor	CAROLINA PAVEMENT MARKINGS, INC	Yes			\$11,176.00	1.00%
			Subcontractor	L.A. Barrier & Son, Inc.	Yes			\$56,183.00	5.00%
			Subcontractor	PROTECTION SERVICE INC	No			\$3,564.00	0.32%
			Subcontractor	Sanders Bros Construction Co., Inc.	No			\$45,090.66	4.02%
CN150012	2014 Resurfacing Project Package A RC-100-PT-1415	Sloan Construction Company Inc	Prime	Sloan Construction Company Inc	No	\$931,731.33	16.00%		
			Subcontractor	CAROLINA PAVEMENT MARKINGS, INC	Yes			\$3,413.00	0.37%
			Subcontractor	L.A. Barrier & Son, Inc.	Yes			\$42,683.00	4.58%
			Subcontractor	LCI-LINEBERGER CONSTRUCTION, INC.	Yes			\$107,754.50	11.56%
			Subcontractor	Protection Services, Inc.	No			\$3,672.00	0.39%
CN150013	Dirt Road Paving Package E RC-608-CN-2015	C.R. Jackson, Inc.	Prime	C.R. Jackson, Inc.	No	\$533,211.94	8.20%		
			Subcontractor	L.A. Barrier & Son, Inc.	Yes			\$16,573.25	3.11%
			Subcontractor	Marshall Landscaping, Inc.	Yes			\$19,550.20	3.67%
			Subcontractor	P & L EROSION CONTROL ETC INC	Yes			\$7,155.75	1.34%
CN150014	Greene Street Phase I and Foundation Square PDT-319-IFB-2014	LAD Corporation of West Columbia	Prime	LAD Corporation of West	No	\$12,820,113.35	12.52%		
			Subcontractor	CMB CLEANING LLC	Yes			\$3,500.00	0.03%
			Subcontractor	Corley Construction, LLC	Yes			\$142,060.00	1.11%
			Subcontractor	Cox & Dinkins	Yes			\$120,000.00	0.94%
			Subcontractor	Haley Ray Striping, LLC d.b.a. Haley Ray Pavement Markings	Yes			\$43,076.41	0.34%
			Subcontractor	Harland Enterprises, Inc.	Yes			\$1,165.96	0.01%
			Subcontractor	L.A. Barrier & Son, Inc.	Yes			\$25,000.00	0.20%
Subcontractor	PREMIER CONSTRUCTORS, INC.	Yes			\$1,339,978.30	10.45%			
CN150017	2014 Resurfacing Project	Carolina Bridge Co. Inc.	Prime	Carolina Bridge Co. Inc.	No	\$1,345,620.61	9.50%		

Contract Number	Contract Description	Prime Contractor	Vendor Type	Subcontractor	For Credit	Contract Amount	Contract Goal Percent	Subcontract Award	Subcontract Percent
	Package C PDT-1002-CN-2014		Subcontractor	D M CONLON INC	No			\$102,647.50	7.63%
			Subcontractor	Elite Concrete Contracting, LLC	Yes			\$83,428.48	6.20%
			Subcontractor	L.A. Barrier & Son, Inc.	Yes			\$44,405.48	3.30%
			Subcontractor	Lindler's Construction of SC	No			\$8,110.00	0.60%
			Subcontractor	Medinas Hauling, Inc.	Yes			\$195,000.00	14.49%
CN160006	Design & Construction of Six Intersection Improvements	C.R. Jackson, Inc.	Prime	C.R. Jackson, Inc.	No	\$630,000.00	10.00%		
			Subcontractor	CIVIL ENGINEERING CONSULTING SERVICES, INC.	Yes			\$248,274.00	3.00%
			Subcontractor	Cox & Dinkins	No			\$285,515.10	3.45%
			Subcontractor	HERNDON INC.	Yes			\$24,827.40	0.30%
			Subcontractor	P & L EROSION CONTROL ETC INC	Yes			\$24,827.40	0.30%
			Subcontractor	P.J. Noble & Associates	Yes			\$16,551.60	0.20%
			Subcontractor	SOUTHERN CONCRETE & CONSTRUCTION INC	Yes			\$562,754.40	6.80%
			Subcontractor	THE SHARON COMPANY INC	Yes			\$8,275.80	0.10%
CN160006-16023	Intersection of Broad River Road and Rushmore Road	C.R. Jackson, Inc.	Prime	C.R. Jackson, Inc.	No	\$724,200.00	10.00%		
			Subcontractor	CIVIL ENGINEERING CONSULTING SERVICES, INC.	Yes			\$21,726.00	3.00%
			Subcontractor	Cox & Dinkins	No			\$24,984.90	3.45%
			Subcontractor	HERNDON INC.	Yes			\$2,172.60	0.30%
			Subcontractor	P & L EROSION CONTROL ETC INC	Yes			\$2,172.60	0.30%
			Subcontractor	P.J. Noble & Associates	Yes			\$1,448.40	0.20%
			Subcontractor	SOUTHERN CONCRETE & CONSTRUCTION INC	Yes			\$49,245.60	6.80%
			Subcontractor	THE SHARON COMPANY INC	Yes			\$724.20	0.10%
CN160006-16024	Intersection of Farrow Road and Pisgah Church Road	C.R. Jackson, Inc.	Prime	C.R. Jackson, Inc.	No	\$1,315,100.00	10.00%		
			Subcontractor	CIVIL ENGINEERING CONSULTING SERVICES, INC.	Yes			\$39,453.00	3.00%
			Subcontractor	Cox & Dinkins	No			\$45,370.95	3.45%
			Subcontractor	HERNDON INC.	Yes			\$3,945.30	0.30%
			Subcontractor	P & L EROSION CONTROL ETC INC	Yes			\$3,945.30	0.30%
			Subcontractor	P.J. Noble & Associates	Yes			\$2,630.20	0.20%

Contract Number	Contract Description	Prime Contractor	Vendor Type	Subcontractor	For Credit	Contract Amount	Contract Goal Percent	Subcontract Award	Subcontract Percent
			Subcontractor	SOUTHERN CONCRETE & CONSTRUCTION INC	Yes			\$89,426.80	6.80%
			Subcontractor	THE SHARON COMPANY INC	Yes			\$1,315.10	0.10%
CN160006-16025	Intersection of Kennerly Road and Coogler/Steeple Ridge Roads	C.R. Jackson, Inc.	Prime	C.R. Jackson, Inc.	No	\$1,806,300.00	10.00%		
			Subcontractor	CIVIL ENGINEERING CONSULTING SERVICES, INC.	Yes			\$54,189.00	3.00%
			Subcontractor	Cox & Dinkins	No			\$62,317.35	3.45%
			Subcontractor	HERNDON INC.	Yes			\$5,418.90	0.30%
			Subcontractor	P & L EROSION CONTROL ETC INC	Yes			\$5,418.90	0.30%
			Subcontractor	P.J. Noble & Associates	Yes			\$3,612.60	0.20%
			Subcontractor	SOUTHERN CONCRETE & CONSTRUCTION INC	Yes			\$122,828.40	6.80%
			Subcontractor	THE SHARON COMPANY INC	Yes			\$1,806.30	0.10%
CN160006-16026	Intersection of N. Springs and Clemson Rd.	C.R. Jackson, Inc.	Prime	C.R. Jackson, Inc.	No	\$2,466,700.00	10.00%		
			Subcontractor	CIVIL ENGINEERING CONSULTING SERVICES, INC.	Yes			\$74,001.00	3.00%
			Subcontractor	Cox & Dinkins	No			\$85,101.15	3.45%
			Subcontractor	HERNDON INC.	Yes			\$7,400.10	0.30%
			Subcontractor	P & L EROSION CONTROL ETC INC	Yes			\$7,400.10	0.30%
			Subcontractor	P.J. Noble & Associates	Yes			\$4,933.40	0.20%
			Subcontractor	SOUTHERN CONCRETE & CONSTRUCTION INC	Yes			\$167,735.60	6.80%
			Subcontractor	THE SHARON COMPANY INC	Yes			\$2,466.70	0.10%
CN160006-16027	Intersection of North Springs Rd. and Risdon Way	C.R. Jackson, Inc.	Prime	C.R. Jackson, Inc.	No	\$1,244,200.00	10.00%		
			Subcontractor	CIVIL ENGINEERING CONSULTING SERVICES, INC.	Yes			\$37,326.00	3.00%
			Subcontractor	Cox & Dinkins	No			\$42,924.90	3.45%
			Subcontractor	HERNDON INC.	Yes			\$3,732.60	0.30%
			Subcontractor	P & L EROSION CONTROL ETC INC	Yes			\$3,732.60	0.30%
			Subcontractor	P.J. Noble & Associates	Yes			\$2,488.40	0.20%
			Subcontractor	SOUTHERN CONCRETE & CONSTRUCTION INC	Yes			\$84,605.60	6.80%

Contract Number	Contract Description	Prime Contractor	Vendor Type	Subcontractor	For Credit	Contract Amount	Contract Goal Percent	Subcontract Award	Subcontract Percent
			Subcontractor	THE SHARON COMPANY INC	Yes			\$1,244.20	0.10%
CN160006-16028	Intersection of Summit Parkway and Summit Ridge Drive	C.R. Jackson, Inc.	Prime	C.R. Jackson, Inc.	No	\$813,500.00	10.00%		
			Subcontractor	CIVIL ENGINEERING CONSULTING SERVICES, INC.	Yes			\$24,405.00	3.00%
			Subcontractor	Cox & Dinkins	No			\$28,065.75	3.45%
			Subcontractor	HERNDON INC.	Yes			\$2,440.50	0.30%
			Subcontractor	P & L EROSION CONTROL ETC INC	Yes			\$2,440.50	0.30%
			Subcontractor	P.J. Noble & Associates	Yes			\$1,627.00	0.20%
			Subcontractor	SOUTHERN CONCRETE & CONSTRUCTION INC	Yes			\$55,318.00	6.80%
			Subcontractor	THE SHARON COMPANY INC	Yes			\$813.50	0.10%
CN160007	Vista Greenway Phase Two (Lincoln Tunnel Greenway) PDT-139-CN-2015	AOS Specialty Contractors Inc.	Prime	AOS Specialty Contractors Inc.	No	\$1,230,330.18	17.50%		
			Prime Self Performing	AOS Specialty Contractors Inc.	Yes			\$989,185.46	80.40%
			Subcontractor	Chao & Associates, Inc.	Yes			\$19,685.28	1.60%
			Subcontractor	Corley Construction, LLC	Yes			\$86,123.11	7.00%
			Subcontractor	Grant Electrical Contracting	No			\$61,516.51	5.00%
			Subcontractor	Lane Construction Corporation	No			\$73,819.81	6.00%
			Subcontractor	Taylor Brothers Construction Co.	Yes			\$0.00	0.00%
CPS13014	CDM Smith Contract	CDM Smith Inc.	Prime	CDM Smith Inc.	No	\$379,443.41	0.00%		
CPS15027	Notice to Proceed: Program Management/Public Outreach/Design for the Dirt Road Paving Program	Dennis Corporation	Prime	Dennis Corporation	No	\$3,890,567.40	100.00%		
			Prime Self Performing	Dennis Corporation	Yes			\$1,968,278.00	50.59%
			Subcontractor	J. B. Ladner & Associates, LLC	Yes			\$367,000.00	9.43%
			Subcontractor	Mizzell & Associates, LLC	Yes			\$163,649.00	4.21%
			Subcontractor	P.J. Noble & Associates	Yes			\$395,676.00	10.17%
			Subcontractor	Strategic Business Politics	No			\$161,209.00	4.14%
			Subcontractor	The Tolleson Limited Company	Yes			\$834,757.00	21.46%
CPS15039	Atlas Road Widening - On Call Engineering Services Agreement RC-Q-2014-OET	Cox & Dinkins	Prime	Cox & Dinkins	No	\$1,952,335.64	78.10%		
			Prime Self Performing	Cox & Dinkins	Yes			\$810,738.00	41.53%
			Subcontractor	CASE CONSULTING INC	Yes			\$15,600.00	0.80%
			Subcontractor	Chao & Associates, Inc.	Yes			\$70,890.00	3.63%
			Subcontractor	CIVIL ENGINEERING CONSULTING SERVICES, INC.	Yes			\$207,418.44	10.62%
			Subcontractor	DAVIS & FLOYD, INC.	No			\$493,560.00	25.28%

Contract Number	Contract Description	Prime Contractor	Vendor Type	Subcontractor	For Credit	Contract Amount	Contract Goal Percent	Subcontract Award	Subcontract Percent
			Subcontractor	F&ME CONSULTANTS, INC.	No			\$138,149.20	7.08%
			Subcontractor	John Bowman Architect, PA, Inc.	Yes			\$12,000.00	0.61%
			Subcontractor	Kimley-Horn & Associates, Inc.	No			\$52,980.00	2.71%
CPS16014	Service Order No. M&H #1	Mead and Hunt, Inc.	Prime	Mead and Hunt, Inc.	No	\$1,134,517.02	60.00%		
			Prime Self Performing	Mead and Hunt, Inc.	No			\$626,873.50	55.25%
			Subcontractor	Chao & Associates, Inc.	Yes			\$292,021.32	25.74%
			Subcontractor	DESA, Inc.	Yes			\$49,827.95	4.39%
			Subcontractor	F&ME CONSULTANTS, INC.	No			\$165,794.25	14.61%
CPS16015	Service Order No. CECS #1	CIVIL ENGINEERING CONSULTING SERVICES, INC.	Prime	CIVIL ENGINEERING CONSULTING SERVICES, INC.	No	\$2,180,746.70	90.00%		
			Prime Self Performing	CIVIL ENGINEERING CONSULTING SERVICES, INC.	Yes			\$1,309,383.37	60.04%
			Subcontractor	Chao & Associates, Inc.	Yes			\$172,364.54	7.90%
			Subcontractor	Cox & Dinkins	Yes			\$281,020.25	12.89%
			Subcontractor	Kimley-Horn & Associates, Inc.	No			\$43,629.05	2.00%
			Subcontractor	P.J. Noble & Associates	Yes			\$48,204.32	2.21%
			Subcontractor	Parrish & Partners	Yes			\$189,943.05	8.71%
			Subcontractor	S&ME, Inc.	No			\$136,202.12	6.25%
CPS16017/B 1501160	Richland PDT, A Joint Venture M.B. Kahn Construction, ICA Engineering, Brownstone Construction Group (RC-Q-2014-PDT)	Richland PDT, A Joint Venture	Prime	Richland PDT, A Joint Venture	No	\$33,100,000.00	51.00%		
			Subcontractor	ARM Environmental Services, Inc.	No			\$9,850.00	0.03%
			Subcontractor	Banco/Bannister Company, LLC	Yes			\$600,000.00	1.81%
			Subcontractor	Brownstone Construction Group, LLC	Yes			\$6,075,962.00	18.36%
			Subcontractor	Cairns Law Firm LLC	Yes			\$11,500.00	0.03%
			Subcontractor	Campbell Consulting Group, LLC	Yes			\$665,470.04	2.01%
			Subcontractor	DAVIS & FLOYD, INC.	No			\$2,296,369.60	6.94%
			Subcontractor	Grice Consulting Group, LLC	Yes			\$235,162.82	0.71%
			Subcontractor	Hussey, Gay, Bell & DeYoung, Inc.	No			\$383,748.93	1.16%
			Subcontractor	ICA Engineering, Inc.	No			\$5,436,244.55	16.42%
			Subcontractor	iRealty International	Yes			\$77,600.00	0.23%
			Subcontractor	Kenneth B. Simmons Associates, LLC	Yes			\$10,570.00	0.03%

Contract Number	Contract Description	Prime Contractor	Vendor Type	Subcontractor	For Credit	Contract Amount	Contract Goal Percent	Subcontract Award	Subcontract Percent
			Subcontractor	MB Kahn Construction Company, Inc.	No			\$2,878,232.79	8.70%
			Subcontractor	NEW SOUTH ASSOCIATES, INC.	Yes			\$23,492.71	0.07%
			Subcontractor	OLH, Inc.	Yes			\$180,332.19	0.54%
			Subcontractor	OLH, Inc.	Yes			\$1,161,006.09	3.51%
			Subcontractor	Parrish & Partners	Yes			\$110,700.00	0.33%
			Subcontractor	S-2 Engineering & Consulting, LLC	Yes			\$20,000.00	0.06%
			Subcontractor	Short Counts, LLC	Yes			\$4,350.00	0.01%
			Subcontractor	SRS Engineering, LLC	Yes			\$15,500.00	0.05%
			Subcontractor	The Dequinney Newman Law Firm	Yes			\$900.00	0.00%
			Subcontractor	The Dequinney Newman Law Firm	Yes			\$94,650.00	0.29%
			Subcontractor	The Law Offices of Frederick J. Hall III	No			\$11,500.00	0.03%
			Subcontractor	The Tolleson Limited Company	Yes			\$350,000.00	1.06%
			Subcontractor	The Tolleson Limited Company	Yes			\$327,500.00	0.99%
CPS16019	Three Rivers Greenway: Saluda Riverwalk Phase I	Kenneth B. Simmons Associates, LLC	Prime	Kenneth B. Simmons Associates,	No	\$99,194.00	0.00%		
			Prime Self Performing	Kenneth B. Simmons Associates, LLC	Yes			\$61,750.00	62.25%
			Subcontractor	Architectural Design Associates	No			\$1,530.00	1.54%
			Subcontractor	Genesis Consulting Group	No			\$3,510.00	3.54%
			Subcontractor	Geo-Systems Design and Testing	No			\$3,000.00	3.02%
			Subcontractor	Greenpond Consulting	No			\$20,000.00	20.16%
			Subcontractor	John Ray Williams Associates	No			\$1,500.00	1.51%
			Subcontractor	Ozzie Nagler	No			\$4,500.00	4.54%
CPS16020	Service Order No. Holt #1	HOLT Consulting Company, LLC	Prime	HOLT Consulting Company, LLC	No	\$88,792.00	86.00%		
			Prime Self Performing	HOLT Consulting Company, LLC	Yes			\$18,766.00	21.13%
			Subcontractor	HDR Engineering Inc., of the Carolinas	No			\$30,544.00	34.40%
			Subcontractor	The LandPlan Group South, Inc.	Yes			\$39,482.00	44.47%
CPS16033	Service Order No. P&P #2	Parrish & Partners	Prime	Parrish & Partners	No	\$341,345.76	86.80%		
			Prime Self Performing	Parrish & Partners	Yes			\$165,813.74	48.58%

Contract Number	Contract Description	Prime Contractor	Vendor Type	Subcontractor	For Credit	Contract Amount	Contract Goal Percent	Subcontract Award	Subcontract Percent
			Subcontractor	CIVIL ENGINEERING CONSULTING SERVICES, INC.	Yes			\$98,871.76	28.97%
			Subcontractor	Construction Support Services, LLC	Yes			\$31,604.60	9.26%
			Subcontractor	F&ME CONSULTANTS, INC.	No			\$17,361.88	5.09%
			Subcontractor	Infrastructure Consulting & Engineering, PLLC	No			\$27,693.78	8.11%
CPS16036	Service Order No. Holt #2	HOLT Consulting Company, LLC	Prime	HOLT Consulting Company, LLC	No	\$916,256.00	77.30%		
			Prime Self Performing	HOLT Consulting Company, LLC	Yes			\$344,728.00	37.62%
			Subcontractor	Construction Support Services, LLC	Yes			\$139,004.00	15.17%
			Subcontractor	DESA, Inc.	Yes			\$23,316.00	2.54%
			Subcontractor	E.S.P. Associates, P.A.	No			\$46,422.00	5.07%
			Subcontractor	F&ME CONSULTANTS, INC.	No			\$81,545.00	8.90%
			Subcontractor	Grice Consulting Group, LLC	Yes			\$10,949.00	1.19%
			Subcontractor	HDR Engineering Inc., of the Carolinas	No			\$241,948.00	26.41%
			Subcontractor	The LandPlan Group South, Inc.	Yes			\$28,344.00	3.09%
CPS16041	Service Order No. P&P #3	Parrish & Partners	Prime	Parrish & Partners	No	\$1,285,471.73	82.30%		
			Prime Self Performing	Parrish & Partners	Yes			\$578,408.42	45.00%
			Subcontractor	CIVIL ENGINEERING CONSULTING SERVICES, INC.	Yes			\$295,584.97	22.99%
			Subcontractor	Construction Support Services, LLC	Yes			\$161,533.30	12.57%
			Subcontractor	F&ME CONSULTANTS, INC.	No			\$85,139.26	6.62%
			Subcontractor	Infrastructure Consulting & Engineering, PLLC	No			\$142,253.48	11.07%
			Subcontractor	Southern Vistas, Inc.	Yes			\$22,552.30	1.75%
CPS16047	Service Order No. P&P #4	Parrish & Partners	Prime	Parrish & Partners	No	\$218,238.03	78.10%		
			Prime Self Performing	Parrish & Partners	Yes			\$137,286.31	62.91%
			Subcontractor	CIVIL ENGINEERING CONSULTING SERVICES, INC.	Yes			\$2,985.82	1.37%
			Subcontractor	Construction Support Services, LLC	Yes			\$19,767.00	9.06%
			Subcontractor	F&ME CONSULTANTS, INC.	No			\$25,123.00	11.51%

Contract Number	Contract Description	Prime Contractor	Vendor Type	Subcontractor	For Credit	Contract Amount	Contract Goal Percent	Subcontract Award	Subcontract Percent
			Subcontractor	Infrastructure Consulting & Engineering, PLLC	No			\$22,648.56	10.38%
			Subcontractor	Southern Vistas, Inc.	Yes			\$10,427.34	4.78%
CPSxxxxx	Riverbanks Zoo Pedestrian Bridge	Rodgers Builders, Inc.	Prime	Rodgers Builders, Inc.	No	\$2,018,627.00	16.10%		
			Subcontractor	Corley Construction, LLC	Yes			\$76,000.00	3.76%
			Subcontractor	Orion Construction Company, Inc.	Yes			\$250,000.00	12.38%
CSV16030	Utility Agreement 1	South Carolina Electric &	Prime	South Carolina Electric & Gas	No	\$325,587.00	0.00%		



EXHIBIT C

Active Contracts with Prime Payments

A project is tracked by the OSBO when the work is in any way funded by the Transportation Penny Tax. Once all contractual documents are received, performance has begun, and the first payment has been issued, we begin tracking progress. This report is a summary of the twenty four open contracts currently being tracked by the OSBO. For each contract we've included: the total contract value, the total amount paid to the prime contractor to date, the total amount paid to the subcontractors to date, the contractual goal set, and the current subcontractor participation rate.

Contract Number	Contract Description	Prime	Contract Value	Payments to Prime	Payments to Subs	Goal	Participation
B1600880	McNair Law Firm	McNair Law Firm, P.A.	\$75,000.00	\$36,647.32	\$0.00	0.0%	0.0%
CN140005	RC-593-C-2014 (DRP Package B)	Lane Construction Corporation	\$667,842.33	\$579,104.50	\$0.00	0.0%	0.0%
CN150002	RC-PW-601-2014 (DRP Package D)	Lane Construction Corporation	\$760,547.74	\$718,658.45	\$0.00	0.0%	0.0%
CN150010	2014 Resurfacing Project Package B RC-101-PT-1415	Sloan Construction Company Inc	\$1,122,600.22	\$1,083,954.49	\$101,862.79	6.0%	9.4%
CN150012	2014 Resurfacing Project Package A RC-100-PT-1415	Sloan Construction Company Inc	\$931,731.33	\$869,608.49	\$40,325.20	16.0%	4.6%
CN150013	Dirt Road Paving Package E RC-608-CN-2015	C.R. Jackson, Inc.	\$533,211.94	\$445,069.33	\$29,929.00	8.2%	6.7%
CN150014	Greene Street Phase I and Foundation Square	LAD Corporation of West Columbia	\$12,820,113.35	\$2,535,822.36	\$200,724.13	12.5%	7.9%
CN150017	2014 Resurfacing Project Package C PDT-1002-CN-2014	Carolina Bridge Co. Inc.	\$1,345,620.61	\$1,005,792.01	\$148,003.21	9.5%	14.7%
CN160006	Design & Construction of Six Intersection Improvements	C.R. Jackson, Inc.	\$9,000,000.00	\$2,172,550.00	\$0.00	10.0%	0.0%
CN160007	Vista Greenway Phase Two (Lincoln Tunnel Greenway)	AOS Specialty Contractors Inc.	\$1,230,330.18	\$456,966.14	\$437,920.39	17.5%	95.8%
CPS13014	CDM Smith Contract Modification 2 Shop Road Extension Phase 1B	CDM Smith Inc.	\$379,443.41	\$369,465.00	\$0.00	0.0%	0.0%
CPS15027	Notice to Proceed: Program Management/Public	Dennis Corporation	\$3,890,567.40	\$945,676.15	\$829,152.51	100.0%	87.7%
CPS15039	Atlas Road Widening - On Call Engineering Services Agreement	Cox & Dinkins	\$1,952,335.64	\$781,447.22	\$503,715.67	78.1%	64.5%
CPS16014	Service Order No. M&H #1	Mead and Hunt, Inc.	\$1,134,517.02	\$262,990.38	\$112,401.55	60.0%	42.7%

Contract Number	Contract Description	Prime	Contract Value	Payments to Prime	Payments to Subs	Goal	Participation
CPS16015	Service Order No. CECS #1	CIVIL ENGINEERING CONSULTING SERVICES, INC.	\$2,180,746.70	\$478,347.85	\$390,797.72	90.0%	81.7%
CPS16017/B 1501160	Richland PDT, A Joint Venture	Richland PDT, A Joint Venture	\$33,100,000.00	\$13,819,581.31	\$6,251,639.53	51.0%	45.2%
CPS16019	Three Rivers Greenway: Saluda Riverwalk Phase I	Kenneth B. Simmons Associates, LLC	\$99,194.00	\$72,054.50	\$47,210.10	0.0%	65.5%
CPS16020	Service Order No. Holt #1	HOLT Consulting Company, LLC	\$88,792.00	\$73,887.40	\$48,712.80	86.0%	65.9%
CPS16033	Service Order No. P&P #2	Parrish & Partners	\$341,345.76	\$138,641.76	\$89,100.00	86.8%	64.3%
CPS16036	Service Order No. Holt #2	HOLT Consulting Company, LLC	\$916,256.00	\$135,194.74	\$92,153.60	77.3%	68.2%
CPS16041	Service Order No. P&P #3	Parrish & Partners	\$1,285,471.73	\$10,500.00	\$5,400.00	82.3%	51.4%
CSV16030	Utility Agreement 1 Greene Street Phase 1	South Carolina Electric & Gas	\$325,587.00	\$275,218.31	\$0.00	0.0%	0.0%



EXHIBIT D

OET Master Contract & Task Order Detail / Rollup

This document combines the various task orders issued on each of the five On-Call Engineering Team (OET) contracts to show progress towards the overall goal. Each has a set SLBE participation goal that must be met over the five year term. The goal can be found by looking on the corresponding firm's table on the 'Master Contract' row in the 'Goal' column. The average SLBE participation of all of a particular firm's service orders is listed on the 'Entire Contract' row in the 'For Credit Percent' column.

RC-Q-2014-OET (Cox & Dinkins)

Category	Contract Number	Contract Value	Total Paid	Total Credit Paid	Goal	For Credit Percent
Task Order	CPS15039	\$1,952,336.00	\$781,447.00	\$503,716.00	78.10%	64.46%
Master Contract	RC-Q-2014-OET (C&D)	\$0.00	\$0.00	\$0.00	60.00%	0.00%
All Task Orders		\$1,952,336.00	\$781,447.00	\$503,716.00	78.10%	64.46%
Entire Contract		\$1,952,336.00	\$781,447.00	\$503,716.00	78.10%	64.46%

RC-Q-2014-OET (Civil Engineering Consulting Services)

Category	Contract Number	Contract Value	Total Paid	Total Credit Paid	Goal	For Credit Percent
Task Order	CPS16015	\$2,180,747.00	\$478,348.00	\$390,798.00	90.00%	81.70%
Master Contract	RC-Q-2014-OET (CECS)	\$0.00	\$0.00	\$0.00	89.00%	0.00%
All Task Orders		\$2,180,747.00	\$478,348.00	\$390,798.00	90.00%	81.70%
Entire Contract		\$2,180,747.00	\$478,348.00	\$390,798.00	90.00%	81.70%

RC-Q-2014-OET (HOLT Consulting)

Category	Contract Number	Contract Value	Total Paid	Total Credit Paid	Goal	For Credit Percent
Task Order	CPS16020	\$88,792.00	\$73,887.00	\$48,713.00	86.00%	65.93%
Task Order	CPS16036	\$916,256.00	\$135,195.00	\$92,154.00	77.30%	68.16%
Master Contract	RC-Q-2014-OET (HOLT)	\$0.00	\$0.00	\$0.00	86.00%	0.00%
All Task Orders		\$1,005,048.00	\$209,082.00	\$140,866.00	78.07%	67.37%
Entire Contract		\$1,005,048.00	\$209,082.00	\$140,866.00	78.07%	67.37%

RC-Q-2014-OET (Mead & Hunt)

Category	Contract Number	Contract Value	Total Paid	Total Credit Paid	Goal	For Credit Percent
Task Order	CPS16014	\$1,134,517.00	\$262,990.00	\$112,402.00	60.00%	42.74%
Master Contract	RC-Q-2014-OET (M&H)	\$0.00	\$0.00	\$0.00	69.00%	0.00%
All Task Orders		\$1,134,517.00	\$262,990.00	\$112,402.00	60.00%	42.74%
Entire Contract		\$1,134,517.00	\$262,990.00	\$112,402.00	60.00%	42.74%

RC-Q-2014-OET (Parrish & Partners)

Category	Contract Number	Contract Value	Total Paid	Total Credit Paid	Goal	For Credit Percent
Task Order	CPS15028	\$27,284.00	\$24,863.00	\$24,863.00	100.00%	100.00%
Task Order	CPS16033	\$341,346.00	\$138,642.00	\$89,100.00	86.80%	64.27%
Task Order	CPS16041	\$1,285,472.00	\$10,500.00	\$5,400.00	82.30%	51.43%
Task Order	CPS16047	\$218,238.00	\$0.00	\$0.00	78.10%	0.00%
Master Contract	RC-Q-2014-OET (P&P)	\$0.00	\$0.00	\$0.00	99.00%	0.00%
All Task Orders		\$1,872,339.00	\$174,005.00	\$119,363.00	82.89%	68.60%
Entire Contract		\$1,872,339.00	\$174,005.00	\$119,363.00	82.89%	68.60%

March 15, 2016

**RICHLAND COUNTY TRANSPORTATION
IMPROVEMENT PROGRAM (CTIP)
CALENDAR YEAR 2016 THROUGH CALENDAR YEAR 2020**



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DATES OF ADOPTION AND AMENDMENT ACTIONS

- Adopted by Richland County Council March 15, 2016

INTRODUCTION

The Richland County Transportation Improvement Program (CTIP) describes the projects, major activities and authorization schedules, and funding to guide the implementation of the Transportation Penny Program for all projects and programs approved in the Richland County November 2012 transportation penny sales tax referendum. The CTIP will specifically address overall program funding, cash flow modeling, alternate funding sources, and project authorization schedules. The CTIP will also show project ranking and projects by Council district. The CTIP will also include, for the projects included in the referendum, any other funding such as the State Transportation Infrastructure Bank, state or federal grants and federal-aid transportation funding that may supplement the funds from the transportation penny.

The CTIP is a five-year project authorization program document; it is not a plan. The CTIP only includes projects for which there is funding expected to be available over the period covered by the CTIP, and therefore, is fiscally constrained.

BACKGROUND AND HISTORY OF THE SALES TAX PROGRAM

Richland County Council established a 39 member citizen Transportation Study Commission in 2006. This Commission held numerous public input meetings and completed a comprehensive study. The study addressed failing roads, the lack of sidewalks and greenway infrastructure, and the unstable bus system. Three transportation modes and the projects needed were addressed: (1) transit (buses), (2) roadway, and (3) bicycle, pedestrian and sidewalks, and greenways. The projects included in this initial study appeared on the ballot on November 2, 2010 but did not pass.

In 2012, the original study was revised which resulted in a reduction in the number of projects and a shorter program timeline. On November 6, 2012, the Richland County voters approved the revised plan of projects funded through a 22-year, \$1.07 billion transportation penny local option sales tax. The “Transportation Penny” will be used to complete major road, bike, pedestrian and greenway projects and fund bus services during that time span.

In April 2013, Richland County Council appointed the Transportation Penny Advisory Committee (TPAC). The function of the TPAC is to review the use of the sales tax. The TPAC is composed of 15 Richland County citizens representing Arcadia Lakes, Blythewood, Columbia, Eastover, Forest Acres, Irmo, and unincorporated areas of Richland County.

The Richland County Council established and, in 2013, staffed a County Transportation Department to oversee and implement the projects approved in the referendum. Council also

selected a Program Development Team in July of 2014 to assist the County's Transportation Department in the delivery of the program.

The Sales and Use Tax collections began on May 1, 2013 and Richland County received the first revenue from the collections in October 2013. The tax revenues are collected by the state and distributed quarterly to the County.

FUNDING SUMMARY

The Richland County Transportation Improvement Program (CTIP) is subject to time and funding constraints as identified and approved by voters in the November 2012 referendum. Specifically, the 1% Sales Tax is to be imposed for not more than 22 years or until a total of \$1,070,000,000 in sales tax revenues has been collected, whichever occurs first. These revenues are to be used to pay the costs of administrative expenses, currently estimated to be \$32,100,000, any debt service should bonds be issued, and the following categories of projects:

ROADWAY

The penny tax program includes widening highways, major intersection improvements, paving dirt roads, and resurfacing local roads. Also included in this category are the identified neighborhood improvement plans, specific "special" projects, and the interchange at Broad River Road and I-20.

Amount: \$656,020,644

TRANSIT

The continued operation and improvements of mass transit services provided by Central Midlands Regional Transit Authority including implementation of near, mid and long-term service improvements are included. These funds are sent directly by the County to the Central Midlands Regional Transportation Authority for their use in providing and increasing transit service in Richland County. These transit funds and any transit projects are not a part of the Richland County Transportation Improvement Program (CTIP), but are administered by the Board of the Transit Authority.

Amount: \$300,991,000

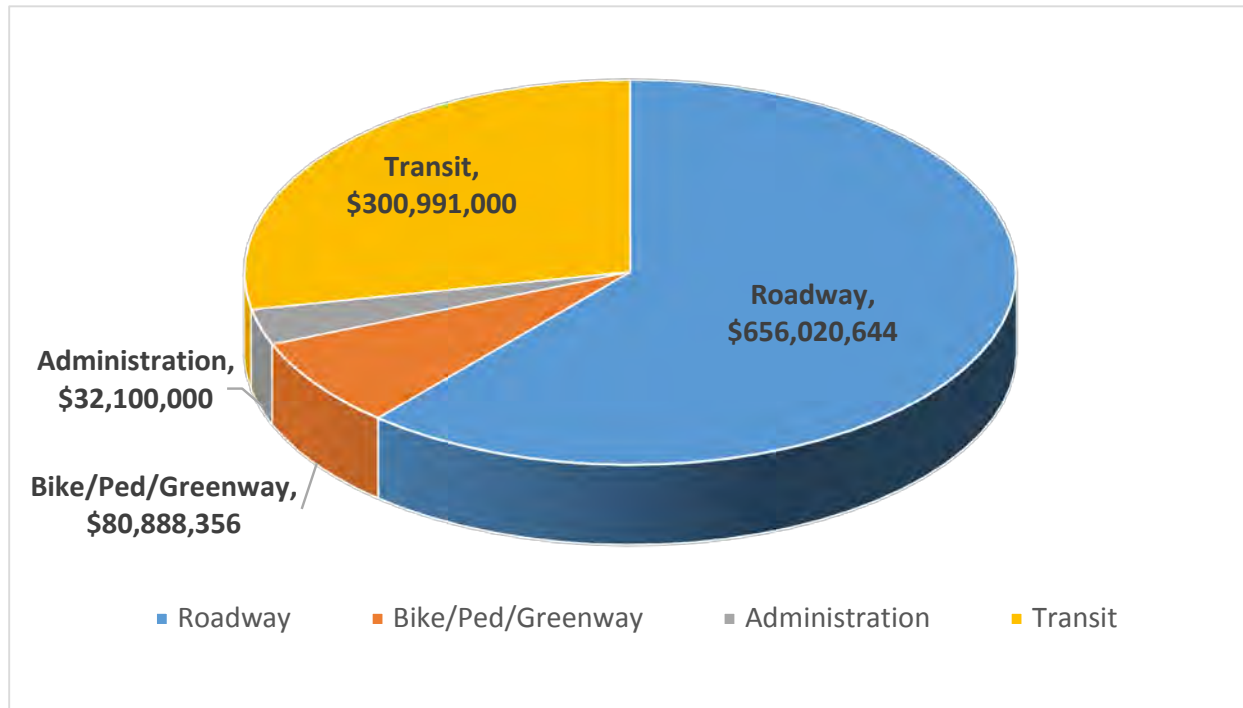
BIKEWAYS, PEDESTRIAN IMPROVEMENTS AND GREENWAYS

The category also includes significant improvements for pedestrians and bicyclists by adding sidewalks and bike paths, improving pedestrian access at intersections and constructing greenways.

Amount: \$80,888,356

These funding allocations among the three categories identified in the 2012 referendum are also shown in chart form in Figure 1.

FIGURE 1. TRANSPORTATION PENNY FUNDING SUMMARY



The referendum also allows Richland County to issue up to \$450,000,000 in general obligation bonds to support the program. These bonds may mature over a period not to exceed 22 years, to support the completion of the program.

I. CTIP ADOPTION PROCESS AND PROCEDURES

A five-year CTIP will be adopted annually by County Council at a regular or called meeting. Council may include the review and comments from the TPAC in its adoption decision. Council may have review and recommendations from Council committees prior to adoption by the full Council.

TYPES OF CHANGES TO THE CTIP

There are two types of CTIP changes: adjustments and amendments. As a general rule, significant changes to the cost, scope and schedule of a project result in an amendment to the CTIP, and will require approval by Council. Minor adjustments in fund sources, description, lead agency, project

limits, etc. will be made by the Director of Transportation. The following sections provide a summary of the two types of changes that may be made at any time during the period of the approved CTIP.

AMENDMENTS

Amendments are major changes to a project that alters the scope or cost and will require Council approval. The following changes are examples of changes made through an amendment:

- Adding or modifying project(s)
- Adding or modifying a project phase
- Significant changes in project scope or cost, so as to alter the original intent of the project.

ADJUSTMENTS

The following changes illustrate examples of adjustments that may occur and be approved by the Director of Transportation, as long as the change occurs within the approved timeframe of the approved CTIP, and the change does not adversely affect the timely implementation of any project:

- Change in project sponsor
- Splitting or combining projects for purposes of awarding contracts
- Change or clarification of project description-as long as the change does not significantly alter the original project intent as identified through the project development process
- Redirection of funds between existing phases-as long as a phase is not added or deleted

II. THE CY 2016 – CY 2020 RICHLAND COUNTY TRANSPORTATION IMPROVEMENT PROGRAM (CTIP)

The CTIP describes the projects and their authorization schedules anticipated to be accomplished over the next five (5) calendar years (CY 2016 through CY 2020). The remaining projects, or portions of projects, that are not authorized in the five-year period of the CTIP are shown for information with the estimated remaining cost to complete the entire project included. Also shown are the projects and/or project activities that have been authorized and work begun in CY 2015.

The CTIP is a project authorization program document; it is not a plan. The projects listed in the CTIP are those included in the referendum approved in November of 2012 as well as any projects

added as a result of supplemental funding received from such sources as the State Infrastructure Bank, federal funding, or other grants or awards. All costs for roadway widening and major intersection improvements shown for authorization in the CTIP are the updated and most current estimates for the projects, with construction costs adjusted for expected inflation. The exception to this current or updated cost for roadway projects are the “special” projects, including neighborhood plans, identified in the referendum. The “Special” projects, neighborhood plans, as well as bike, pedestrian, and greenway project costs will be those identified in the list of projects included in the referendum.

The five-year CTIP only includes projects for which there is sufficient funding available from sales tax revenues, bonds, and special awards or grants. Table 2 summarizes the breakdown of the project categories and expected financial authorizations for the five year CTIP period.

Of the “Roadway” projects in this five-year CTIP, almost 62% would be authorized for the widening projects included in the referendum. About 4% is expected to be authorized for major improvements to 15 intersections in the County. Other significant authorizations included in the CTIP include about 11% for those special projects contained in the referendum, as well as about 9% for planned neighborhood improvements identified in the individual adopted neighborhood plans. Dirt road paving has \$36,000,000 authorized and local road resurfacing projects total \$38,000,000 in the CTIP.

The total amount planned to be authorized for Bike/Pedestrian/Greenway projects in the CY 2016 – 2020 CTIP is divided between greenways (24%), bikeways (31%) and sidewalks (40%). The remaining 5% of the projects are pedestrian improvements to enhance walkability at identified intersections.

CASH FLOW PLAN

A detailed financial cash flow plan was developed to ensure funding will be available to implement the CTIP and the expected schedule of authorizations. The Richland County finance advisors provided the estimates of sales tax revenues as well as bonding and debt service requirements for the cash flow plan. The Program Development Team developed the project schedules and expenditures that could be done within the tax and bond revenue cash flow information provided by the County.

A cash flow plan will be maintained throughout the life of the Richland County Transportation Improvement Program (CTIP) and the sales tax program period. Program and project cost and schedule information will be regularly updated to ensure accurate cash needs. These needs will be monitored against current revenue collections and forecasts and additional sources of funds obtained for projects to determine bond needs. Bond and debt will be structured to take advantage of timing and rates in order to minimize borrowing costs.

It is expected that additional funding from federal, state, or other sources will be needed to fully implement all projects as they were envisioned in the referendum. The sales tax revenues and expenditures for roadways, bicycle-pedestrian-greenways, and transit are defined from the referendum and subsequent ordinances adopted to implement the referendum. As project costs are expected to increase over time, it appears essential that additional funding be found to supplement the sales tax and bond revenues – if all projects are to be implemented as planned.

As summarized in Table 1, the expected revenues from the sales tax and bonds are adequate to cover expected expenditure authorizations for the CY 2016 – 2020 CTIP period.

TABLE 1. PROJECTED REVENUES AND EXPENDITURES BY YEAR (CY 2016 – CY 2020)

Richland County Transportation Sales Tax - Proforma										
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
Period	Date Ending	Total Sales Tax Collections (2016 Proforma)	Transit Allocation (28.13%)	Tax Allocation	Debt Cash Flow		Estimated Project Expenditures		Admin.	Balance
				Roads, Greenway, Admin. Portion	Bond Proceeds (2015 Proforma)	Debt Service (2015 Proforma)	Roadway Projects	Bike/Ped/Greenway Projects	Admin. Allocation (3%)	Cumulative Balance
1	12/31/2013	\$26,493,296	\$7,452,564	\$19,040,732	\$0	\$0	\$0	\$0	\$794,799	\$18,245,933
2	12/31/2014	\$54,915,375	\$15,447,695	\$39,467,680	\$49,998,418	\$0	\$14,973,458	\$0	\$1,647,461	\$91,091,112
3	12/31/2015	\$58,914,223	\$16,572,571	\$42,341,652	\$50,306,770	\$50,500,000	\$15,654,497	\$500,883	\$1,767,427	\$115,316,728
4	12/31/2016	\$59,503,000	\$16,738,194	\$42,764,806	\$50,000,000	\$50,750,000	\$73,457,705	\$12,273,500	\$1,785,090	\$69,815,239
5	12/31/2017	\$60,251,000	\$16,948,606	\$43,302,394	\$110,000,000	\$50,997,222	\$93,768,150	\$11,577,700	\$1,807,530	\$64,967,030
6	12/31/2018	\$60,854,000	\$17,118,230	\$43,735,770	\$250,000,000	\$112,200,000	\$93,209,300	\$12,138,600	\$1,825,620	\$139,329,280
7	12/31/2019	\$61,463,000	\$17,289,542	\$44,173,458	\$255,000,000	\$259,743,833	\$81,577,000	\$8,588,300	\$1,843,890	\$86,749,715
8	12/31/2020	\$62,077,000	\$17,462,260	\$44,614,740	\$0	\$11,385,200	\$59,947,400	\$8,908,800	\$1,862,310	\$49,260,745
9	12/31/2021	\$62,698,000	\$17,636,947	\$45,061,053	\$0	\$11,385,200	\$48,726,400	\$5,819,100	\$1,880,940	\$26,510,158
10	12/31/2022	\$63,324,000	\$17,813,041	\$45,510,959	\$0	\$11,385,200	\$41,079,100	\$5,000,000	\$1,899,720	\$12,657,097
11	12/31/2023	\$63,957,000	\$17,991,104	\$45,965,896	\$0	\$11,385,200	\$0	\$0	\$1,918,710	\$45,319,082
12	12/31/2024	\$64,597,000	\$18,171,136	\$46,425,864	\$0	\$41,095,200	\$0	\$0	\$1,937,910	\$48,711,836
13	12/31/2025	\$65,243,000	\$18,352,856	\$46,890,144	\$0	\$41,116,800	\$0	\$0	\$1,957,290	\$52,527,890
14	12/31/2026	\$65,895,000	\$18,536,264	\$47,358,737	\$0	\$41,310,000	\$0	\$0	\$1,976,850	\$56,599,777
15	12/31/2027	\$66,554,000	\$18,721,640	\$47,832,360	\$0	\$41,347,500	\$0	\$0	\$1,996,620	\$61,088,017
16	12/31/2028	\$67,219,000	\$18,908,705	\$48,310,295	\$0	\$41,392,250	\$0	\$0	\$2,016,570	\$65,989,492
17	12/31/2029	\$67,891,000	\$19,097,738	\$48,793,262	\$0	\$41,439,750	\$0	\$0	\$2,036,730	\$71,306,274
18	12/31/2030	\$38,151,106	\$10,731,906	\$27,419,200	\$0	\$41,485,500	\$0	\$0	\$1,144,533	\$56,095,441
19	12/31/2031	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$56,095,441
20	12/31/2032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$56,095,441
21	12/31/2033	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$56,095,441
22	12/31/2034	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$56,095,441
Totals		\$1,070,000,000	\$300,991,000	\$769,009,000	\$765,305,188	\$858,918,855	\$522,393,010	\$64,806,883	\$32,100,000	

Notes:	E = C - D
	K = (E + F) - G - H - I - J

PROJECTS AND AUTHORIZATION SCHEDULES

The following tables show the individual projects or groups by project type that are included in the calendar year 2016 through calendar year 2020 CTIP. Also shown is the remaining cost required after CY 2020 to complete all projects, if they are not scheduled for completion during the CY 2016 through CY 2020 period of this CTIP. Individual projects included in the referendum are grouped as follows:

- Roadway widening
- Major intersection improvements
- Special projects (except neighborhood plans)
- Neighborhood improvements
- Interchange at Broad River Road and I-20
- Greenways

Groups of improvements for the projects in the referendum are shown as a single line item for the following types of projects:

- Sidewalk improvements
- Bikeway improvements
- Pedestrian improvements at intersections
- Dirt road paving
- Local road resurfacing

CTIP PROJECT TABLES (CY 2016 – CY 2020)

Table 2 contains each project or project group and shows the project phase and expected total cost to be authorized for that phase in the calendar year when that activity is expected to be authorized and begin. Those phases and costs to complete that are expected to occur after calendar year 2020 are shown as an entry following the five-year CTIP period.

The initial page shown in Table 2 includes a program summary by year and project category.

TABLE 2. CTIP PROJECTS AND AUTHORIZATION SCHEDULES (CY 2016 – CY 2020)

CTIP Program Summary by Calendar Year and Project Category

Project Authorization Summary - CY 2016 CTIP								
All Costs in \$1,000s								
Type Project	2016	2017	2018	2019	2020	Total Authorizations in CTIP	Cost to Complete (after 2020)	TOTAL COST
Widenings	\$75,593	\$29,713	\$72,519	\$43,485	\$44,580	\$265,890	\$48,720	\$314,610
Intersections	\$1,712	\$2,900	\$9,588	\$2,200	\$0	\$16,400	\$0	\$16,400
Special	\$21,645	\$19,000	\$5,558	\$974	\$0	\$47,177	\$65,651	\$112,828
Spec. NIP	\$2,906	\$10,472	\$10,761	\$3,511	\$12,309	\$39,959	\$22,308	\$62,267
Resurfacing	\$6,750	\$5,950	\$4,900	\$4,900	\$4,900	\$27,400	\$10,600	\$38,000
Dirt Roads	\$12,000	\$12,000	\$12,000	\$0	\$0	\$36,000	\$0	\$36,000
I-20 Interchange	\$0	\$0	\$0	\$0	\$0	\$0	\$52,500	\$52,500
Total Roadway	\$120,606	\$80,035	\$115,326	\$55,070	\$61,789	\$432,826	\$199,779	\$632,605
Greenways	\$6,525	\$3,811	\$926	\$2,471	\$0	\$13,733	\$6,243	\$19,976
Sidewalks	\$3,000	\$5,000	\$5,000	\$5,000	\$5,000	\$23,000	\$2,000	\$25,000
Bikeways	\$2,500	\$4,000	\$3,500	\$4,000	\$4,000	\$18,000	\$3,000	\$21,000
Ped. Intersection	\$123	\$906	\$1,806	\$0	\$0	\$2,835	\$0	\$2,835
Total B/P/G	\$12,148	\$13,717	\$11,232	\$11,471	\$9,000	\$57,568	\$11,243	\$68,811
Total All Projects	\$132,754	\$93,752	\$126,558	\$66,541	\$70,789	\$490,394	\$211,022	\$701,416

Project Ranking	Council District or Districts	Project	Activity	Work Authorized Prior to CY 2016	Programmed 2016	Programmed 2017	Programmed 2018	Programmed 2019	Programmed 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL PROJECT COST
Roadways - Widening												
1	7, 8, 9	Hardscrabble Road (1)	Engr. & Design	SCDOT						\$0		\$0
		Farrow Road to Lake Carolina Blvd.	ROW	SCDOT						\$0		\$0
		(County funding only, project is managed by SCDOT)	Construction		\$9,953	\$9,953	\$9,954			\$29,860		\$29,860
			Total		\$9,953	\$9,953	\$9,954	\$0	\$0	\$29,860	\$0	\$29,860
2	9, 10	Clemson Road	Engr. & Design	Authorized						\$0		\$0
		Near Two Notch to Sparkleberry Crossing	ROW		\$3,700					\$3,700		\$3,700
			Construction			\$12,600				\$12,600		\$12,600
			Total		\$3,700	\$12,600	\$0	\$0	\$0	\$16,300	\$0	\$16,300
3	11	Leesburg Road (2)	Engr. & Design	SCDOT						\$0		\$0
		Fairmont Road to Lower Richland Blvd.	ROW	SCDOT						\$0		\$0
		(County funding only, project is managed by SCDOT)	Construction			\$4,000				\$4,000		\$4,000
			Total		\$0	\$4,000	\$0	\$0	\$0	\$4,000	\$0	\$4,000
4	4	N. Main Street (3)	Engr. & Design	Authorized						\$0		\$0
		Anthony Avenue to Fuller Avenue	ROW	Authorized						\$0		\$0
		(Note:County Funds Only. Additional funding will be TIGER grant and federal earmark.)	Construction		\$25,500					\$25,500		\$25,500
			Total		\$25,500	\$0	\$0	\$0	\$0	\$25,500	\$0	\$25,500
5	10	Bluff Road Phase One (4)	Engr. & Design	Authorized						\$0		\$0
		Fairgrounds entrance to George Rogers Blvd.	ROW		\$1,350					\$1,350		\$1,350
		(Note:County Funds Only. Additional \$1.8 million is federal and CTC.)	Construction		\$4,400					\$4,400		\$4,400
			Total		\$5,750	\$0	\$0	\$0	\$0	\$5,750	\$0	\$5,750
5	10	Bluff Road Phase 2	Engr. & Design	Authorized						\$0		\$0
		National Guard Road to S. Beltline	ROW		\$16,000					\$16,000		\$16,000
		(ROW may be authorized over a 2 year period)	Construction				\$15,600			\$15,600		\$15,600
			Total		\$16,000	\$0	\$15,600	\$0	\$0	\$31,600	\$0	\$31,600

Project Ranking	Council District or Districts	Project	Activity	Work Authorized Prior to CY 2016	Programmed 2016	Programmed 2017	Programmed 2018	Programmed 2019	Programmed 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL PROJECT COST
6	10	Shop Road Widening	Engr. & Design	Prel. Design (30% plans) Authorized	\$2,300					\$2,300		\$2,300
		George Rogers Blvd to I-77	ROW				\$15,000			\$15,000		\$15,000
		(ROW may be authorized over a 2 year period)	Construction						\$19,200	\$19,200		\$19,200
		Total			\$2,300	\$0	\$15,000	\$0	\$19,200	\$36,500	\$0	\$36,500
7	10, 11	Atlas Road	Engr. & Design	Authorized						\$0		\$0
		Bluff Road to Garners Ferry	ROW		\$3,500					\$3,500		\$3,500
			Construction				\$19,600			\$19,600		\$19,600
		Total			\$3,500	\$0	\$19,600	\$0	\$0	\$23,100	\$0	\$23,100
8	10, 11	Pineview Road	Engr. & Design	Authorized						\$0		\$0
		Bluff Road to Garners Ferry	ROW		\$5,000					\$5,000		\$5,000
			Construction					\$23,900		\$23,900		\$23,900
		Total			\$5,000	\$0	\$0	\$23,900	\$0	\$28,900	\$0	\$28,900
9	2, 7	Blythewood Road	Engr. & Design		\$660					\$660		\$660
		I-77 to S. Mill	ROW				\$4,100			\$4,100		\$4,100
		Include circle at Cobblestone in this project	Construction					\$5,240		\$5,240		\$5,240
		Total			\$660	\$0	\$4,100	\$5,240	\$0	\$10,000	\$0	\$10,000
10	1	Broad River Road	Engr. & Design		\$2,980					\$2,980		\$2,980
		Royal Tower to I-26 (Peak Interchange)	ROW				\$7,500			\$7,500		\$7,500
			Construction						\$22,020	\$22,020	\$0	\$22,020
		Total			\$2,980	\$0	\$7,500	\$0	\$22,020	\$32,500	\$0	\$32,500
11	9, 10	Spears Creek Church Road	Engr. & Design			\$3,160				\$3,160		\$3,160
		Two Notch to Percival Road	ROW					\$7,400		\$7,400	\$0	\$7,400
			Construction							\$0	\$23,440	\$23,440
		Total			\$0	\$3,160	\$0	\$7,400	\$0	\$10,560	\$23,440	\$34,000

Project Ranking	Council District or Districts	Project	Activity	Work Authorized Prior to CY 2016	Programmed 2016	Programmed 2017	Programmed 2018	Programmed 2019	Programmed 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL PROJECT COST
12	11	Lower Richland Blvd.	Engr. & Design				\$440			\$440		\$440
		Rabbit Run Road to Garners Ferry	ROW					\$2,300		\$2,300	\$0	\$2,300
			Construction						\$3,360	\$3,360	\$0	\$3,360
			Total			\$0	\$0	\$440	\$2,300	\$3,360	\$6,100	\$0
13	8, 9, 10	Polo Road	Engr. & Design					\$1,020		\$1,020		\$1,020
		Mallett Hill Road to Two Notch	ROW							\$0	\$1,300	\$1,300
			Construction							\$0	\$7,480	\$7,480
			Total			\$0	\$0	\$0	\$1,020	\$0	\$1,020	\$8,780
14	2, 7	Blythewood Road (5)	Engr. & Design					\$400		\$400		\$400
		I-77 to Main Street	ROW							\$0	\$500	\$500
		Include the circle at Creech with widening from I-77 to Main	Construction							\$0	\$2,100	\$2,100
			Total			\$0	\$0	\$0	\$400	\$0	\$400	\$2,600
14	2, 7	McNulty (5)	Engr. & Design					\$300		\$300		\$300
		Main Street to Blythewood Rd.	ROW							\$0	\$200	\$200
			Construction							\$0	\$1,700	\$1,700
			Total			\$0	\$0	\$0	\$300	\$0	\$300	\$1,900
14	2, 7	Creech Road (5)	Engr. & Design					\$250		\$250		\$250
		Extension to Main Street	ROW							\$0	\$150	\$150
			Construction							\$0	\$1,400	\$1,400
			Total			\$0	\$0	\$0	\$250	\$0	\$250	\$1,550
14	2, 7	Blythewood Road (5)	Engr. & Design					\$1,500		\$1,500		\$1,500
		Fulmer to Syrup Mill	ROW							\$0	\$750	\$750
			Construction							\$0	\$8,450	\$8,450
			Total			\$0	\$0	\$0	\$1,500	\$0	\$1,500	\$9,200

Project Ranking	Council District or Districts	Project	Activity	Work Authorized Prior to CY 2016	Programmed 2016	Programmed 2017	Programmed 2018	Programmed 2019	Programmed 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL PROJECT COST	
14	2, 7	Blythewood Rd. Traffic Circle (5)	Engr. & Design		\$250			\$250		\$500		\$500	
		Add roundabouts at Intersections with Creech and Cobblestone	ROW				\$325			\$325	\$325	\$650	
		Include the circle at Cobblestone with widening from I-77 to Syrup Mill in CY 2016. Circle at Creech is shown for design in CY 2019.	Construction					\$925			\$925	\$925	\$1,850
		Total			\$250	\$0	\$325	\$1,175	\$0	\$1,750	\$1,250	\$3,000	

Project	Activity	Programmed 2016	Programmed 2017	Programmed 2018	Programmed 2019	Programmed 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL PROJECT COST
Total All Roadway Widening Projects	Engr. & Design	\$6,190	\$3,160	\$440	\$3,720	\$0	\$13,510	\$0	\$13,510
	ROW	\$29,550	\$0	\$26,925	\$9,700	\$0	\$66,175	\$3,225	\$69,400
	Construction	\$39,853	\$26,553	\$45,154	\$30,065	\$44,580	\$186,205	\$45,495	\$231,700
	Total	\$75,593	\$29,713	\$72,519	\$43,485	\$44,580	\$265,890	\$48,720	\$314,610

Footnotes:

- (1) - Hardscrabble Road was developed by SCDOT. The cost shown is the Richland County commitment to assist in the project funding.
- (2) - Leesburg Road is being developed by SCDOT. The cost shown is the Richland County commitment to assist in the project funding.
- (3) - North Main Street was initially developed by the City of Columbia. Richland County is managing the project after design is completed.
The cost shown is the Richland County commitment to assist in the project funding. Additional funding includes a \$10 million TIGER grant and a \$1.3 million earmark.
- (4) - This section of Bluff Road was initially developed by SCDOT as a sidewalk project. SCDOT requested the County to assume the lead and make all ultimate improvements.
The cost shown includes \$1 million from SCDOT and \$800 thousand from the CTC for construction.
- (5) - Blythewood area alternate projects approved by Council on March 17, 2014 to replace Blythewood Road widening from Syrup Mill to US 321.
This action was authorized as shown in the list of widening projects included in the November 2012 referendum.

Project Ranking	Council District or Districts	Project	Activity	Work Authorized Prior to CY 2016	Programmed - 2016	Programmed - 2017	Programmed - 2018	Programmed - 2019	Programmed - 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL REMAINING PROJECT COST
Roadways - Widening												
1 (a)	1,7, 8, 9	Six Design Build Intersections (1)	Engr. & Design	Authorized						\$0		\$0
		(six intersections are includes in one design build contract approved in 2015)	ROW	Authorized						\$0		\$0
			Construction	Authorized						\$0		\$0
			Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1	7	Wilson & Pisgah Church Road	Engr. & Design	SCDOT						\$0		\$0
		(project was completed by SCDOT)	ROW	SCDOT						\$0		\$0
			Construction	SCDOT						\$0		\$0
			Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1	7	Wilson & Killian	Engr. & Design	SCDOT						\$0		\$0
		(project to be constructed by SCDOT)	ROW	SCDOT						\$0		\$0
			Construction	SCDOT						\$0		\$0
			Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	9,10	Clemson & Sparkleberry	Engr. & Design	Prel. Design Authorized	\$1,200					\$1,200		\$0
		Includes to Mallet Hill on Sparkleberry	ROW			\$2,200				\$2,200		\$2,200
			Construction				\$6,200			\$6,200		\$6,200
			Total		\$1,200	\$2,200	\$6,200	\$0	\$0	\$9,600	\$0	\$8,400
3	4	Bull & Elmwood	Engr. & Design			\$300				\$300		\$300
		(coordinate with Commons development)	ROW				\$300			\$300		\$300
			Construction					\$2,200		\$2,200		\$2,200
			Total		\$0	\$300	\$300	\$2,200	\$0	\$2,800	\$0	\$2,800
4	4	North Main & Monticello	Engr. & Design							\$0		\$0
		(to be done as a part of the N. Main Widening)	ROW							\$0		\$0
			Construction							\$0		\$0
			Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Ranking	Council District or Districts	Project	Activity	Work Authorized Prior to CY 2016	Programmed - 2016	Programmed - 2017	Programmed - 2018	Programmed - 2019	Programmed - 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL REMAINING PROJECT COST
5	2,9	Hardscrabble & Kelly Mill	Engr. & Design							\$0		\$0
		(to be done as a part of the Hardscrabble Road Widening)	ROW							\$0		\$0
			Construction							\$0		\$0
			Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	11	Garners Ferry & Harmon	Engr. & Design		\$150					\$150		\$150
			ROW			\$100				\$100		\$100
			Construction				\$750			\$750		\$750
			Total		\$150	\$100	\$750	\$0	\$0	\$1,000	\$0	\$1,000
7	8,9	North Springs & Harrington	Engr. & Design		\$120					\$120		\$120
			ROW			\$200				\$200		\$200
			Construction				\$680			\$680		\$680
			Total		\$120	\$200	\$680	\$0	\$0	\$1,000	\$0	\$1,000
8	9,10	Screaming Eagle & Percival	Engr. & Design		\$242					\$242		\$242
			ROW			\$100				\$100		\$100
			Construction				\$1,658			\$1,658		\$1,658
			Total		\$242	\$100	\$1,658	\$0	\$0	\$2,000	\$0	\$2,000

Project	Activity	Programmed - 2016	Programmed - 2017	Programmed - 2018	Programmed - 2019	Programmed - 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL PROJECT COST
Total All Intersection Improvement Projects	Engr. & Design	\$1,712	\$300	\$0	\$0	\$0	\$2,012	\$0	\$2,012
	ROW	\$0	\$2,600	\$300	\$0	\$0	\$2,900	\$0	\$2,900
	Construction	\$0	\$0	\$9,288	\$2,200	\$0	\$11,488	\$0	\$11,488
	Total	\$1,712	\$2,900	\$9,588	\$2,200	\$0	\$16,400	\$0	\$16,400

Footnotes:

(1) - The six intersections to be improved under the design build contract are:

- 1 - Clemson Road & Rhame Road / North Springs Road; 2 - Broad River Road and Rushmore Road; 3 - Farrow Road and Pisgah Road; 4 - North Springs Road and Risdon Way; 5 - Summit Parkway and Summit Ridge; and
- 6 - Kennerly Road and Coogler / Steeple Ridge Road

Project Ranking	Council District or Districts	Project	Activity	Work Authorized Prior to CY 2016	Programmed 2016	Programmed 2017	Programmed 2018	Programmed 2019	Programmed 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL REMAINING PROJECT COST
Roadways - Widening												
1	5	Riverbanks Zoo - Phase 1	Engr. & Design	Authorized						\$0		\$0
		(pedestrian access bridge over the railroad)	ROW	Authorized						\$0		\$0
			Construction	Authorized						\$0		\$0
			Total			\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	5	Innovista - Phase 1	Engr. & Design	Authorized						\$0		\$0
		(Greene St. and Foundation Square)	ROW	Authorized						\$0		\$0
			Construction	Authorized						\$0		\$0
			Total			\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	10	Shop Road Extension - Ph.1	Engr. & Design	Authorized						\$0		\$0
		(Pineview Road to Longview)	ROW	Authorized						\$0		\$0
			Construction		\$18,645					\$18,645		\$18,645
			Total		\$18,645	\$0	\$0	\$0	\$0	\$0	\$18,645	\$0
4	5	Innovista - Phase 2	Engr. & Design	Authorized						\$0		\$0
		(Greene Street from Phase 1 to Huger Street)	ROW		\$3,000					\$3,000		\$3,000
			Construction			\$19,000				\$19,000		\$19,000
			Total		\$3,000	\$19,000	\$0	\$0	\$0	\$0	\$22,000	\$0
5	10	Shop Road Extension - Ph.2	Engr. & Design				\$5,332			\$5,332		\$5,332
		(Longview to Garners Ferry)	ROW							\$0	\$7,000	\$7,000
			Construction							\$0	\$36,351	\$36,351
			Total		\$0	\$0	\$5,332	\$0	\$0	\$0	\$5,332	\$43,351
6	5	Riverbanks Zoo - Phase 2	Engr. & Design				\$226			\$226		\$226
		(other transportation improvements near the Zoo)	ROW					\$60		\$60		\$60
			Construction			\$0	\$914			\$914		\$914
			Total		\$0	\$0	\$226	\$974	\$0	\$0	\$1,200	\$0
7	2,9	Kelly Mill Road	Engr. & Design							\$0	\$500	\$500
		(Hardscrabble to school - coordinate with Hardscrabble widening project)	ROW							\$0	\$1,000	\$1,000
			Construction							\$0	\$3,000	\$3,000
			Total		\$0	\$0	\$0	\$0	\$0	\$0	\$4,500	\$4,500

Project Ranking	Council District or Districts	Project	Activity	Work Authorized Prior to CY 2016	Programmed 2016	Programmed 2017	Programmed 2018	Programmed 2019	Programmed 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL REMAINING PROJECT COST
8	10	Commerce Drive Imp.	Engr. & Design							\$0	\$500	\$500
			ROW							\$0	\$1,000	\$1,000
			Construction							\$0	\$3,500	\$3,500
			Total		\$0	\$0	\$0	\$0	\$0	\$0	\$5,000	\$5,000
9	5	Innovista Phase 3 (Williams Street area improvements)	Engr. & Design							\$0	\$1,800	\$1,800
			ROW							\$0	\$1,500	\$1,500
			Construction							\$0	\$9,500	\$9,500
			Total		\$0	\$0	\$0	\$0	\$0	\$0	\$12,800	\$12,800

Project	Activity	Programmed 2016	Programmed 2017	Programmed 2018	Programmed 2019	Programmed 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL REMAINING PROJECT COST
Total Special Improvement Projects	Engr. & Design	\$0	\$0	\$5,558	\$0	\$0	\$5,558	\$2,800	\$8,358
	ROW	\$3,000	\$0	\$0	\$60	\$0	\$3,060	\$10,500	\$13,560
	Construction	\$18,645	\$19,000	\$0	\$914	\$0	\$38,559	\$52,351	\$90,910
	Total	\$21,645	\$19,000	\$5,558	\$974	\$0	\$47,177	\$65,651	\$112,828

Note: Neighborhood Improvement Plans were included in the referendum under Special Projects. The Neighborhood Plan Improvements are shown as Table 2 (d).

Project Ranking	Council District or Districts	Project	Activity	Work Authorized Prior to CY 2016	Programmed - 2016	Programmed - 2017	Programmed - 2018	Programmed - 2019	Programmed - 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL REMAINING PROJECT COST
Roadways - Widening												
1	11	Southeast Richland	Engr. & Design	Authorized						\$0		\$0
			ROW		\$424					\$424		\$424
			Construction			\$6,073				\$6,073		\$6,073
			Total		\$424	\$6,073	\$0	\$0	\$0	\$6,497	\$0	\$6,497
2	4	Broad River Neighborhoods	Engr. & Design	Authorized						\$0		\$0
			ROW		\$6					\$6		\$6
			Construction		\$1,368					\$1,368		\$1,368
			Total		\$1,374	\$0	\$0	\$0	\$0	\$1,374	\$0	\$1,374
3	8	Decker Boulevard	Engr. & Design		\$841					\$841		\$841
			ROW			\$741				\$741		\$741
			Construction				\$10,761			\$10,761		\$10,761
			Total		\$841	\$741	\$10,761	\$0	\$0	\$12,343	\$0	\$12,343
4	8	Candlewood	Engr. & Design		\$268					\$268		\$268
			ROW			\$10				\$10		\$10
			Construction			\$1,572				\$1,572		\$1,572
			Total		\$268	\$1,582	\$0	\$0	\$0	\$1,850	\$0	\$1,850
5	7	Crane Creek	Engr. & Design			\$2,076				\$2,076		\$2,076
			ROW					\$14		\$14		\$14
			Construction						\$12,295	\$12,295		\$12,295
			Total		\$0	\$2,076	\$0	\$14	\$12,295	\$14,385	\$0	\$14,385
6	3	Trenholm Acres / Newcastle	Engr. & Design					\$697		\$697		\$697
			ROW						\$14	\$14	\$0	\$14
			Construction							\$0	\$4,096	\$4,096
			Total		\$0	\$0	\$0	\$697	\$14	\$711	\$4,096	\$4,807

Project Ranking	Council District or Districts	Project	Activity	Work Authorized Prior to CY 2016	Programmed - 2016	Programmed - 2017	Programmed - 2018	Programmed - 2019	Programmed - 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL REMAINING PROJECT COST	
7	2, 4, 5, 7	Broad River Road Corridor	Engr. & Design					\$2,800		\$2,800		\$2,800	
			ROW							\$0	\$5,600	\$5,600	
			Construction								\$0	\$12,612	\$12,612
			Total		\$0	\$0	\$0	\$2,800	\$0	\$2,800	\$18,212	\$21,012	

Project	Activity	Programmed - 2016	Programmed - 2017	Programmed - 2018	Programmed - 2019	Programmed - 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL REMAINING PROJECT COST
Total Neighborhood Improvement Projects	Engr. & Design	\$1,109	\$2,076	\$0	\$3,497	\$0	\$6,682	\$0	\$6,682
	ROW	\$429	\$751	\$0	\$14	\$14	\$1,208	\$5,600	\$6,808
	Construction	\$1,368	\$7,645	\$10,761	\$0	\$12,295	\$32,069	\$16,708	\$48,778
	Total	\$2,906	\$10,472	\$10,761	\$3,511	\$12,309	\$39,959	\$22,308	\$62,267

Note: Neighborhood Improvement Plans were included in the referendum under Special Projects. The Neighborhood Plan Improvements are listed individually in Table 2 (d).

Project Ranking	Council District or Districts	Project	Activity	Work Authorized Prior to CY 2016	Programmed - 2016	Programmed - 2017	Programmed - 2018	Programmed - 2019	Programmed - 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL REMAINING PROJECT COST
Roadways - Widening												
Districtwide		INTERCHANGE	Engr. & Design							\$0	\$5,250	\$5,250
		i-20 and Broad River Road Interchange	ROW							\$0	\$12,500	\$12,500
			Construction							\$0	\$34,750	\$34,750
			Total		\$0	\$0	\$0	\$0	\$0	\$0	\$52,500	\$52,500
Countywide		LOCAL ROAD RESURFACING	Engr. & Design	Authorized	\$600	\$500	\$400	\$400	\$400	\$2,300	\$1,200	\$3,500
			ROW		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		(as projects are designed, it is intended that construction begin as soon as feasible)	Construction	Authorized	\$6,150	\$5,450	\$4,500	\$4,500	\$4,500	\$25,100	\$9,400	\$34,500
			Total		\$6,750	\$5,950	\$4,900	\$4,900	\$4,900	\$27,400	\$10,600	\$38,000
Countywide		LOCAL DIRT ROAD PAVING	Engr. & Design	Authorized	\$900	\$900	\$900			\$2,700	\$0	\$2,700
			ROW	Authorized	\$700	\$700	\$700			\$2,100	\$0	\$2,100
		(as projects are designed, it is intended that construction begin as soon as feasible)	Construction	Authorized	\$10,400	\$10,400	\$10,400			\$31,200	\$0	\$31,200
			Total		\$12,000	\$12,000	\$12,000	\$0	\$0	\$36,000	\$0	\$36,000

Project	Activity	Programmed - 2016	Programmed - 2017	Programmed - 2018	Programmed - 2019	Programmed - 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL REMAINING PROJECT COST
Total Other Roadway Projects	Engr. & Design	\$1,500	\$1,400	\$1,300	\$400	\$400	\$5,000	\$6,450	\$11,450
	ROW	\$700	\$700	\$700	\$0	\$0	\$2,100	\$12,500	\$14,600
	Construction	\$16,550	\$15,850	\$14,900	\$4,500	\$4,500	\$56,300	\$44,150	\$100,450
	Total	\$18,750	\$17,950	\$16,900	\$4,900	\$4,900	\$63,400	\$63,100	\$126,500

Project Ranking	Council District or Districts	Project	Activity	Work Authorized Prior to CY 2016	Programmed 2016	Programmed 2017	Programmed - 2018	Programmed - 2019	Programmed - 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL PROJECT COST	
Greenways													
1	5, 10	Three Rivers Greenway	Engr. & Design	Authorized		\$250				\$250		\$250	
		Lexington County to Broad River	ROW	Authorized						\$0		\$0	
			Construction		\$6,000	\$1,550					\$7,550		\$7,550
			Total		\$6,000	\$1,800	\$0	\$0	\$0	\$0	\$7,800	\$0	\$7,800
2	4, 5	Lincoln Tunnel	Engr. & Design	Authorized						\$0		\$0	
		Taylor Street to Elmwood	ROW	Authorized						\$0		\$0	
			Construction	Authorized						\$0		\$0	
			Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	6, 10	Gills Creek A	Engr. & Design	Prelim. Design Authorized	\$325					\$325		\$325	
		Lake Katherine to Bluff Road	ROW			\$250				\$250		\$250	
			Construction			\$1,671				\$1,671		\$1,671	
			Total		\$325	\$1,921	\$0	\$0	\$0	\$2,246	\$0	\$2,246	
4	4	Smith - Roacky Branch C	Engr. & Design		\$200					\$200		\$200	
		Rocky Branch to Harden	ROW			\$90				\$90		\$90	
			Construction				\$611			\$611		\$611	
			Total		\$200	\$90	\$611	\$0	\$0	\$901	\$0	\$901	
5	6, 11	Gills Breek B	Engr. & Design				\$315			\$315		\$315	
		Wildcat Creek and Ft. Jackson Perimeter	ROW					\$280		\$280		\$280	
			Construction					\$2,191		\$2,191		\$2,191	
			Total		\$0	\$0	\$315	\$2,471	\$0	\$2,786	\$0	\$2,786	
6	4	Smith - Rocky Branch B	Engr. & Design							\$0	\$225	\$225	
		Clement Road to Colonial Drive	ROW							\$0	\$200	\$200	
			Construction							\$0	\$990	\$990	
			Total		\$0	\$0	\$0	\$0	\$0	\$0	\$1,415	\$1,415	
7	4	Smith - Rocky Branch A	Engr. & Design							\$0	\$95	\$95	
		Three Rivers to Clement Road	ROW							\$0	\$30	\$30	
			Construction							\$0	\$306	\$306	
			Total		\$0	\$0	\$0	\$0	\$0	\$0	\$431	\$431	

Project Ranking	Council District or Districts	Project	Activity	Work Authorized Prior to CY 2016	Programmed 2016	Programmed 2017	Programmed - 2018	Programmed - 2019	Programmed - 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL PROJECT COST
8	6	Gills Creek C (North)	Engr. & Design							\$0	\$50	\$50
		Trenholm Rd. to Lake Katherine	ROW							\$0	\$15	\$15
			Construction							\$0	\$280	\$280
			Total		\$0	\$0	\$0	\$0	\$0	\$0	\$345	\$345
9	4	Crane Creek A	Engr. & Design							\$0	\$220	\$220
		Monticello Rd. tp Three Rivers	ROW							\$0	\$100	\$100
			Construction							\$0	\$1,222	\$1,222
			Total		\$0	\$0	\$0	\$0	\$0	\$0	\$1,542	\$1,542
10	4	Crane Creek B	Engr. & Design							\$0	\$80	\$80
		to Smith Branch	ROW							\$0	\$26	\$26
			Construction							\$0	\$354	\$354
			Total		\$0	\$0	\$0	\$0	\$0	\$0	\$460	\$460
11	3, 8	Columbia Mall Greenway	Engr. & Design							\$0	\$100	\$100
			ROW							\$0	\$25	\$25
			Construction							\$0	\$524	\$524
			Total		\$0	\$0	\$0	\$0	\$0	\$0	\$649	\$649
12	3, 8	Polo Rd. - Windsor Lake Blvd. Conn.	Engr. & Design							\$0	\$65	\$65
		Alpine Road to Windsor Lake	ROW							\$0	\$20	\$20
			Construction							\$0	\$301	\$301
			Total		\$0	\$0	\$0	\$0	\$0	\$0	\$386	\$386
13	11	Woodbury - Old Leesburg Connector	Engr. & Design							\$0	\$25	\$25
			ROW							\$0	\$10	\$10
			Construction							\$0	\$81	\$81
			Total		\$0	\$0	\$0	\$0	\$0	\$0	\$116	\$116
14	7	Crane Creek C	Engr. & Design							\$0	\$95	\$95
		Crane Forest	ROW							\$0	\$50	\$50
			Construction							\$0	\$649	\$649
			Total		\$0	\$0	\$0	\$0	\$0	\$0	\$794	\$794

Project Ranking	Council District or Districts	Project	Activity	Work Authorized Prior to CY 2016	Programmed 2016	Programmed 2017	Programmed 2018	Programmed 2019	Programmed 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL PROJECT COST
15	4	Dutchman Boulevard Conn.	Engr. & Design							\$0	\$20	\$20
		Dutchman Blvd. to Broad River Road	ROW							\$0	\$5	\$5
			Construction							\$0	\$80	\$80
			Total		\$0	\$0	\$0	\$0	\$0	\$0	\$105	\$105

Project	Activity	Programmed 2016	Programmed 2017	Programmed 2018	Programmed 2019	Programmed 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL PROJECT COST
Total All Greenway Projects	Engr. & Design	\$525	\$250	\$315	\$0	\$0	\$1,090	\$975	\$2,065
	ROW	\$0	\$340	\$0	\$280	\$0	\$620	\$481	\$1,101
	Construction	\$6,000	\$3,221	\$611	\$2,191	\$0	\$12,023	\$4,787	\$16,810
	Total	\$6,525	\$3,811	\$926	\$2,471	\$0	\$13,733	\$6,243	\$19,976

Project Ranking	Council District or Districts	Project	Activity	Work Authorized Prior to CY 2016	Programmed 2016	Programmed 2017	Programmed 2018	Programmed 2019	Programmed 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL REMAINING PROJECT COST
Roadways - Widening												
Countywide		SIDEWALKS	Engr. & Design	Authorized	\$500	\$500	\$500	\$500	\$500	\$2,500		\$2,500
		(design & construction authorized for 2015 work)	ROW	Authorized	\$250	\$250	\$250	\$250	\$250	\$1,250		\$1,250
			Construction	Authorized	\$2,250	\$4,250	\$4,250	\$4,250	\$4,250	\$19,250	\$2,000	\$21,250
			Total		\$3,000	\$5,000	\$5,000	\$5,000	\$5,000	\$23,000	\$2,000	\$25,000
Countywide		BIKEWAYS	Engr. & Design	Authorized	\$500	\$500	\$500	\$500	\$400	\$2,400		\$2,400
		(design & construction authorized for 2015 work)	ROW	Authorized	\$250	\$250	\$250	\$250	\$200	\$1,200		\$1,200
		(as projects are designed, it is intended that construction begin as soon as feasible)	Construction	Authorized	\$1,750	\$3,250	\$2,750	\$3,250	\$3,400	\$14,400	\$3,000	\$17,400
			Total		\$2,500	\$4,000	\$3,500	\$4,000	\$4,000	\$18,000	\$3,000	\$21,000
Countywide		PEDESTRIAN INTER. IMP.	Engr. & Design		\$120	\$0	\$0			\$120		\$120
			ROW		\$3	\$3	\$0			\$6		\$6
		(as projects are designed, it is intended that construction begin as soon as feasible)	Construction			\$903	\$1,806			\$2,709		\$2,709
			Total		\$123	\$906	\$1,806	\$0	\$0	\$2,835	\$0	\$2,835

Project	Activity	Programmed 2016	Programmed 2017	Programmed 2018	Programmed 2019	Programmed 2020	Total Cost in CTIP (2016 - 2020)	Cost to Complete - Beyond 2020	ESTIMATED TOTAL REMAINING PROJECT COST
Total Other Sidewalk, Bikeway and Pedestrian Intersection Projects	Engr. & Design	\$1,120	\$1,000	\$1,000	\$1,000	\$900	\$5,020	\$0	\$5,020
	ROW	\$503	\$503	\$500	\$500	\$450	\$2,456	\$0	\$2,456
	Construction	\$4,000	\$8,403	\$8,806	\$7,500	\$7,650	\$36,359	\$5,000	\$41,359
	Total	\$5,623	\$9,906	\$10,306	\$9,000	\$9,000	\$43,835	\$5,000	\$48,835

END OF PROJECT TABLE SHEETS

OET Organization Chart



RICHLAND COUNTY DIRECTOR OF TRANSPORTATION



Civil Engineering Consulting Services, Inc.

Project Manager John Walsh, P.E. (CECS)

Construction Engineering Support

Fred Barnes (CECS)
David Wertz, P.E. (CECS)

Public Relations/PIM

Pat Noble (PJNA)
Carol Singletary (PJNA)
Courtney Young (PJNA)

Utility Relocations Support

Theresa Hodge, P.E. (CECS)
Sheila Frame (CECS)
Roger Hooks (CECS)

Environmental and Permit Compliance Resolution

Kally McCormick (CECS)
Tom Ballou (CECS)

Verification Surveys Support

Bruce Harbin, P.E. (CECS)
Gene Dinkins, JR, PLS (CD)
Frank Robertson, PLS (CH)

Geotechnical/Material Testing Support

Randy Cannon, P.E. (CECS)
John Lessley, P.E. (SME)

Shop Drawing/VE Reviews

Jim Coogler, P.E. (CECS)
Brian Nickerson, P.E. (CECS)
Brenda Farren, P.E. (CECS)
Don Turner, P.E. (CECS)



Civil Engineering Consulting Services, Inc.



TEAM MEMBERS	ABBREVIATION OF FIRMS	RICHLAND COUNTY OFFICE	DBE or SLBE
Civil Engineering Consulting Services, Inc. (Lead Firm)	CECS	YES*	DBE & SLBE
Cox & Dinkins, Inc.	CD	YES*	SLBE
Kimley-Horn Associates	KH	YES	
Chao & Associates, Inc.	CH	YES	DBE & SLBE
Parrish & Partners, LLC	PP	YES*	SLBE
S&ME	SME	YES	
PJ Noble & Associates	PJNA	YES*	DBE & SLBE
Delon Hampton & Associates	DH		
Independent Mapping Consultants	IMC		

* Headquartered in Richland County

Design Management
Rocque Kneece, PE (CECS)
Design Managers: Brian Nickerson, P.E. (CECS)
David Russell, P.E. (CECS)
Bruce Harbin, P.E. (CECS)

Roadway Design
Paul Raad, P.E. (CECS)
Brian Nickerson, P.E. (CECS)
David Russell, P.E. (CECS)
Lee Drummond, P.E. (CECS)
Warren Davis (CECS)
Chad Rogers, P.E. (PP)
Haoming Chen, P.E., LEED AP (CH)
James Pruitt, P.E. (CD)
McTilden Atkins, III, P.E. (CD)
Harley Griffin (DH)
Vinique Word (DH)
William Douty, P.E. (DH)

Bridge/Structure Design
Mike Almassri, P.E. (CECS)
Jim Coogler, P.E. (CECS)
Cameron Nations, P.E. (PP)
Mark Breeland (PP)
Jacob George, P.E. (PP)
Jimmy Chao, P.E. (CH)
Chimin Chao, P.E. (CH)
David Chao, P.E., LEED AP (CH)
Tong Li, Ph.D., P.E. (CH)

Environmental and Permitting
Kally McCormick (CECS)
Paul Emblar (CECS)
Jeff Sieckman (CECS)
Tom Ballou (CECS)

Hydrology/Hydraulic Design
Brenda Farren, P.E. (CECS)
Krishjen Auld, P.E. (CECS)
Lamar Sanders (CECS)
Gerald Lee, P.E. (CH)
Justin Smith, P.E., LEED AP (CH)

Geotechnical Engineering / Material Testing
Randy Cannon, P.E. (CECS)
Michael Harris, P.E. (SME)
John Lessley, P.E. (SME)
Gregory Carivan, P.E. (SME)

Traffic Engineering/MOT
Don Turner, P.E. (CECS)
Terry Rawls (CECS)
Rachel Raad, EIT (CECS)
Jonathan Guy, P.E., AICP (KH)
Stephan Blakley, Jr. P.E. (KH)
Jonathan Guy, P.E. (KH)

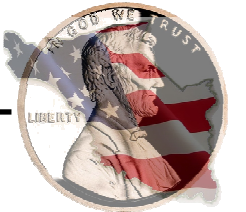
QA/QC/Reviews
Brian Nickerson, P.E. (CECS)
Mike Almassri, P.E. (CECS)
Theresa Hodge, P.E. (CECS)
Adam Parrish, P.E. (PP)
Don Freeman, P.E. (PP)
Jeff Mulliken, Ph.D., P.E. (KH)
Christopher Iser, P.E., LEED AP (KH)

SUE/Utility Coordination
Theresa Hodge, P.E. (CECS)
Sheila Frame (CECS)
Roger Hooks (CECS)

Surveys/Mapping/Staking
Gene Dinkins, P.E., PLS (CD)
Gene Dinkins, Jr., PLS (CD)
Paul Badr, PLS (IMC)
Frank Robertson, PLS (CH)

Value Engineering
Paul Raad, P.E. (CECS)
John Walsh, P.E. (CECS)
Don Freeman, P.E. (PP)
Jeff Mulliken, Ph.D., P.E. (KH)

Enhancement / Landscape Design
Theresa Hodge, P.E. (CECS)
Scott Mingonet, PLA, AICP (KH)



The Cox and Dinkins Team

Cox and Dinkins (C&D) SLBE
 Davis and Floyd (D&F)
 Chao and Associates (Chao) SLBE, MBE, DBE
 Civil Engineering Consulting Services (CECS) SLBE, WBE, DBE
 Kenneth B. Simmons (KBS) SLBE
 John Bowman Architect (JBA) SLBE, MBE, DBE
 CASE Consulting (CASE) MBE, DBE
 Kimley Horn and Associates (KHA)
 F&ME Consultants (F&ME)
 Glenn and Associates

Transportation Director
 Rob Perry, PE
 Transportation Staff

Principal In Charge
 Gene Dinkins, PE, PLS (C&D)

Project Managers
 Eric Dickey, PE, PLS (D&F)
 Jamie Pruitt, PE (C&D)
 Mac Atkins, PE (C&D)

***Cox and Dinkins Staff includes:**

Darren Holcombe, PE
 Ted Blackwell, PE
 Sanford Dinkins, PE
 Jesse McNeal, PE
 Laura Baker, PE
 James Hazzard, PE
 Dan Lam, PE
 Various EITs, Draftsman, and Admin

***Davis and Floyd Staff includes:**

Dan Chism, PE
 Tilley Bull, PE
 Bryan Webb, PE, PTOE
 Lindsey Keziah, PE
 Mike Horton, PE
 Tripp Berry, EIT
 Various EITs, Draftsman, and Admin

Project Support
 Mike Meetze, PE (D&F)

Task I: Surveys

Gene Dinkins, Jr., PLS (C&D)
 Don Rawls, PLS (C&D)
 Cox and Dinkins Survey Crews
 Chao Survey Crews
 Glenn and Assoc. 3D Scanning

Task III: Geotechnical

Shawn Epps, PE (F&ME)
 John Hamilton, PE (F&ME)
 Robert Price, PE (F&ME)

Task V: Hydrology/Hydraulics

Sanford Dinkins, PE (C&D)
 Michael Putnam, PE (D&F)
 Brenda Farren, PE (CECS)
 Cox and Dinkins Staff*
 Davis and Floyd Staff*

Task VII: Bridge Design

David Chao, PE (Chao)
 Al Stevens, PE (CASE)
 Andy Castro, PE (D&F)
 Jeff Mulliken, PE, PhD (KHA)

Task IX: Enhancement Design

Ken Simmons (KBS)
 John Bowman (JBA)
 Cox and Dinkins Staff*
 Davis and Floyd Staff*

Task XI: Construction Phase Services

Calvin Wise (CASE)
 Todd Warren, PE (D&F)
 Cox and Dinkins Staff*
 Davis and Floyd Staff*

Task II: SUE

Roger Hooks (CECS)
 Theresa Hodge, PE (CECS)

Task IV: Traffic Engineering

Jonathon Guy, PE (KHA)
 Jesse McNeal, PE (C&D)
 David Dickert (D&F)

Task VI: Roadway Design

Jamie Pruitt, PE (C&D)
 Mac Atkins, PE (C&D)
 David Dickert (D&F)
 Sam Pridgen, PE (D&F)
 Cox and Dinkins Staff*
 Davis and Floyd Staff*

Task VIII: Roadway Structures

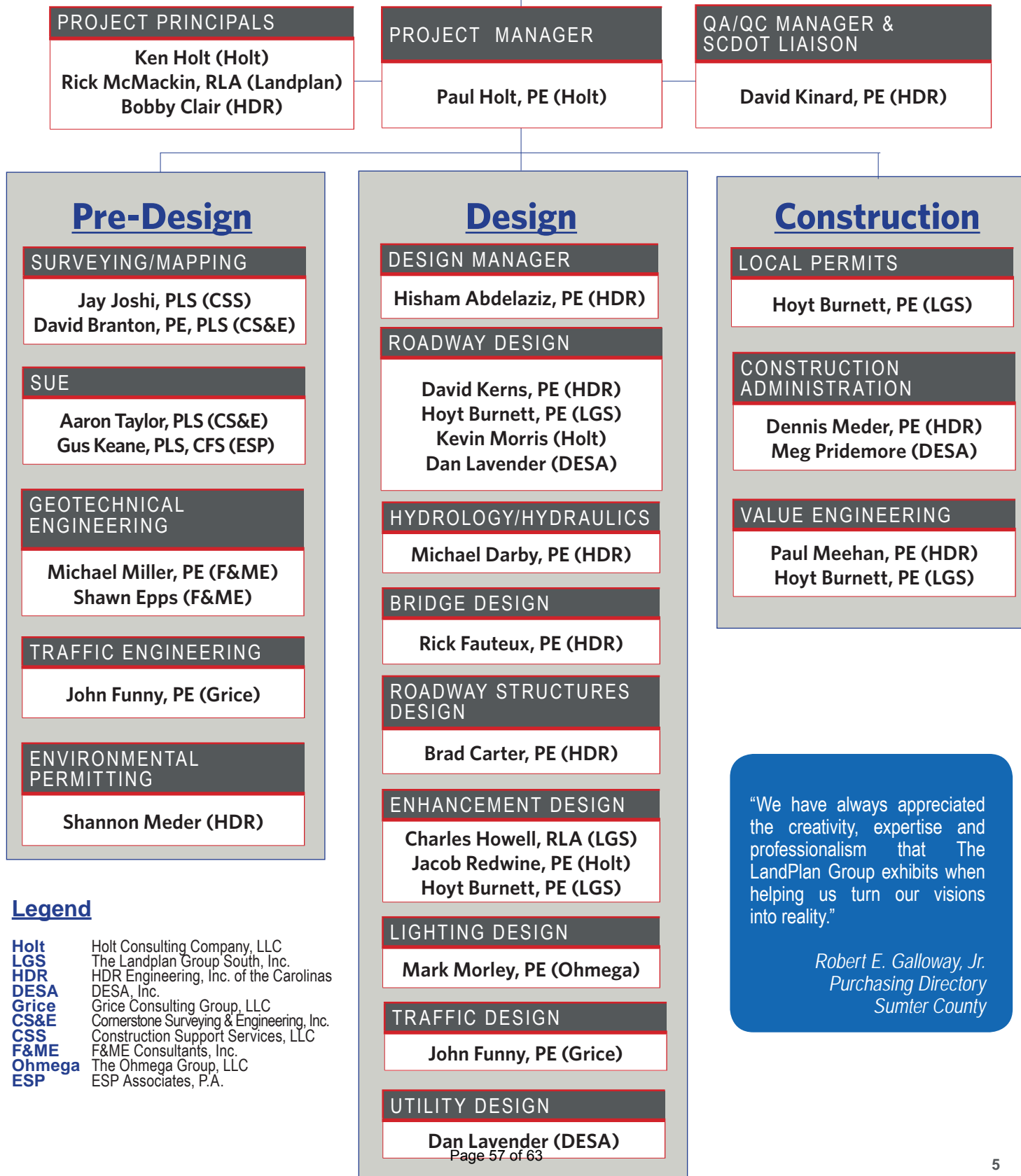
David Chao, PE (Chao)
 Al Stevens, PE (CASE)
 Andy Castro, PE (D&F)
 Jeff Mulliken, PE, PhD (KHA)

Task X: Permit Applications

Mac Atkins, PE (C&D)
 Rudy Powell, PE (D&F)
 Kally McCormick (CECS)
 Cox and Dinkins Staff*
 Davis and Floyd Staff*



Organizational Chart



"We have always appreciated the creativity, expertise and professionalism that The LandPlan Group exhibits when helping us turn our visions into reality."

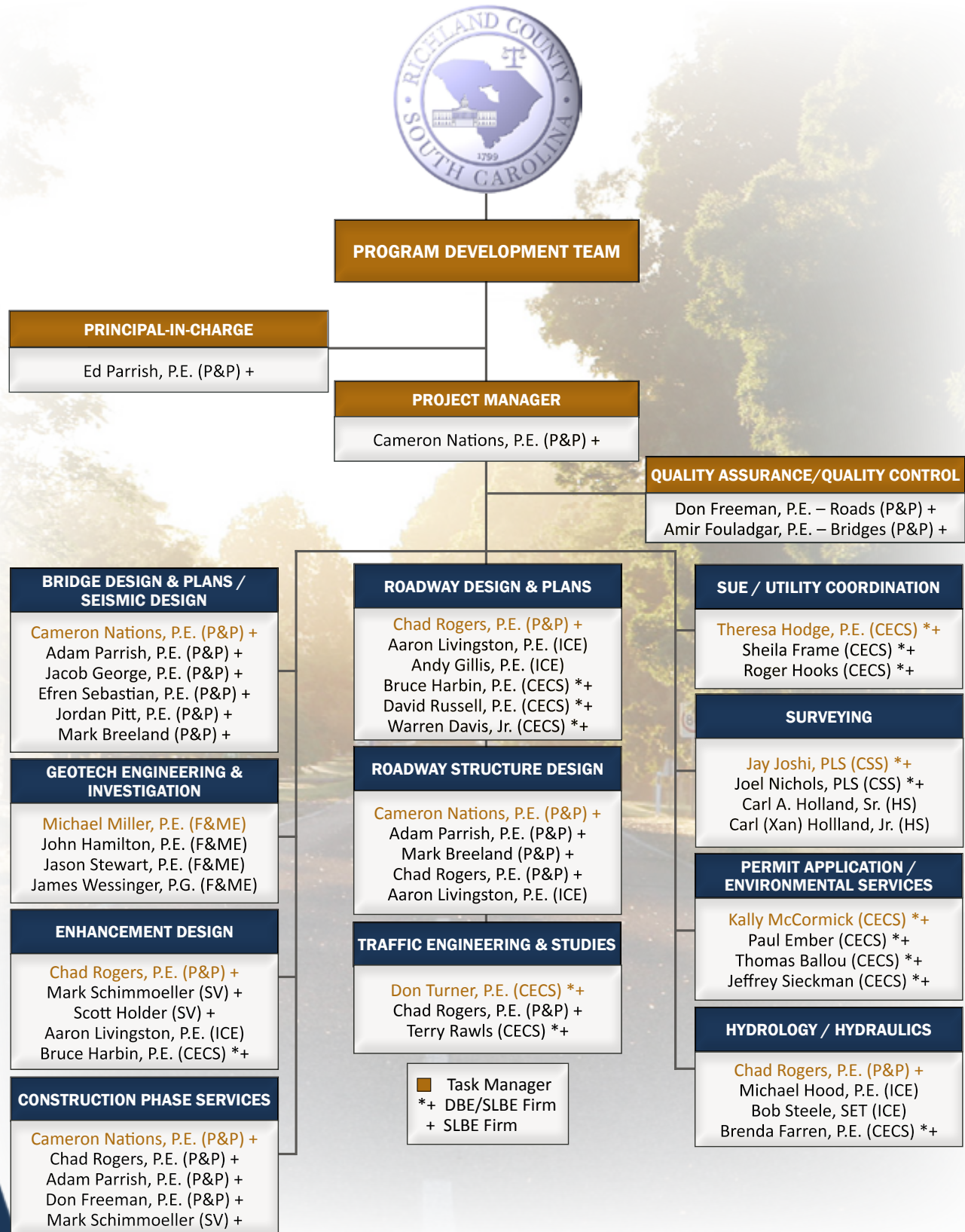
*Robert E. Galloway, Jr.
 Purchasing Directory
 Sumter County*

Legend

- Holt** Holt Consulting Company, LLC
- LGS** The Landplan Group South, Inc.
- HDR** HDR Engineering, Inc. of the Carolinas
- DESA** DESA, Inc.
- Grice** Grice Consulting Group, LLC
- CS&E** Cornerstone Surveying & Engineering, Inc.
- CSS** Construction Support Services, LLC
- F&ME** F&ME Consultants, Inc.
- Ohmega** The Ohmega Group, LLC
- ESP** ESP Associates, P.A.

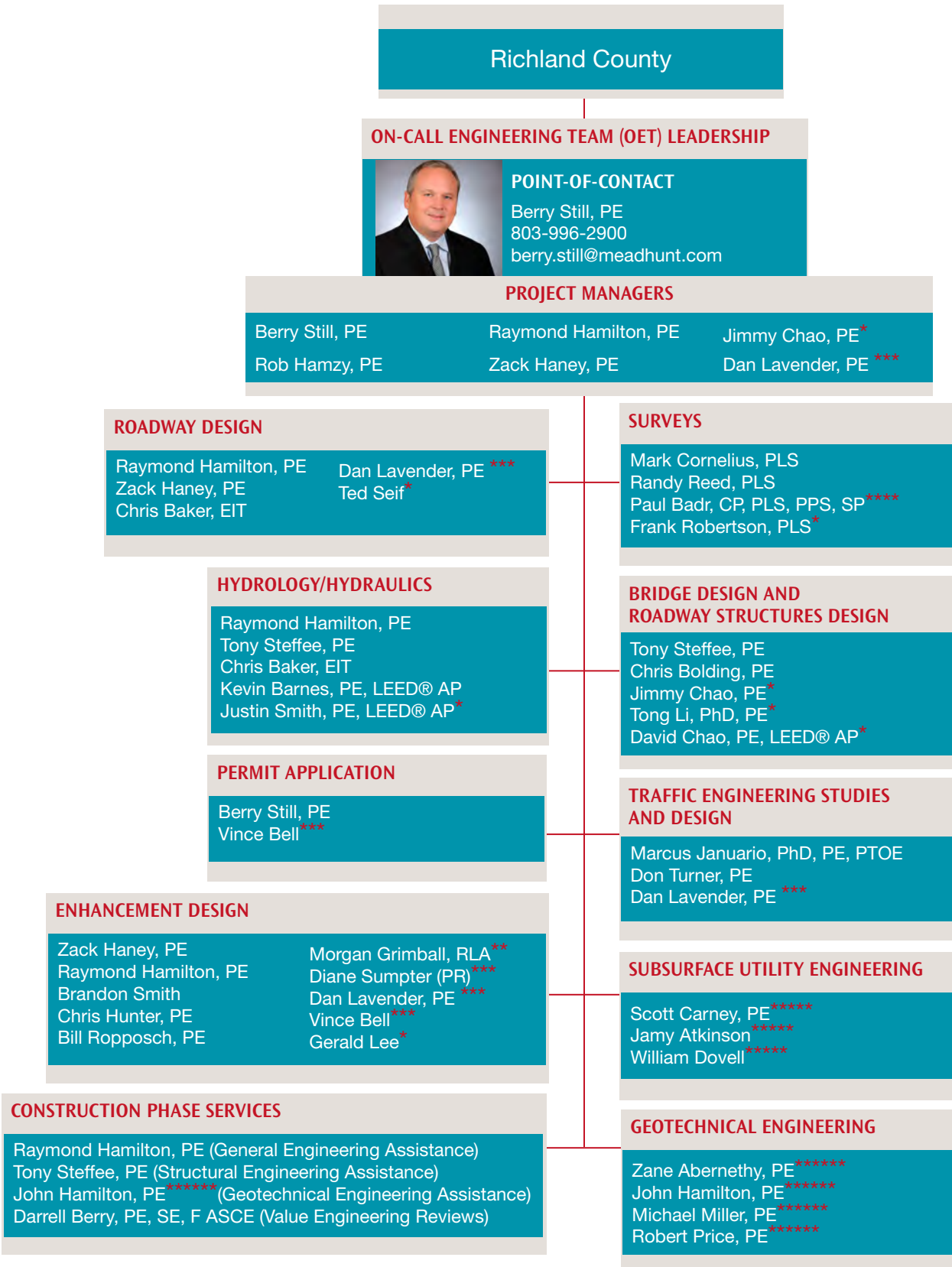
A. PREVIOUS EXPERIENCE WITH SIMILAR PROJECTS

ORGANIZATIONAL CHART



ORGANIZATIONAL CHART

Resumes of key personnel can be found in our SF330 package located in the Appendix.



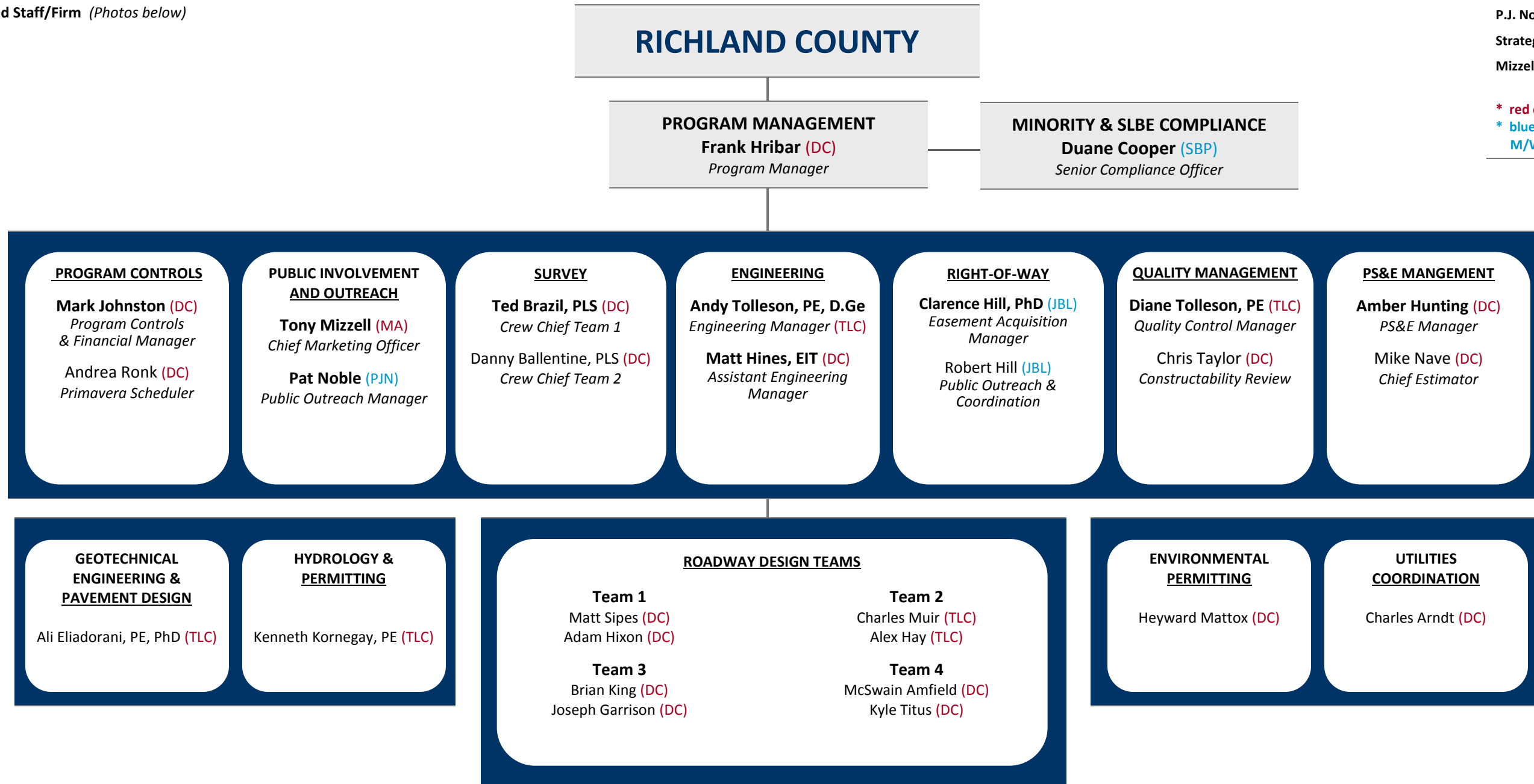
*Chao & Associates (SLBE/DBE/MBE) **Grimball-Cotterill & Associates (SLBE) ***DESA (DBE/WBE/MBE/SLBE) ****Independent Mapping Consultants (SBE) *****GEL Geophysics (Women-owned) *****F&ME

ORGANIZATIONAL CHART

Dirt Road Paving Program

* **Bold Names = Lead Staff/Firm** (Photos below)

FIRM LEGEND
Dennis Corporation (DC)
The Tolleson Limited Company (TLC)
J.B. Ladner & Associates (JBL)
P.J. Noble & Associates (PJN)
Strategic Business & Politics (SBP)
Mizzell & Associates (MA)
* red color denotes SLBE firm
* blue color denotes SLBE, DBE, and M/WBE firm

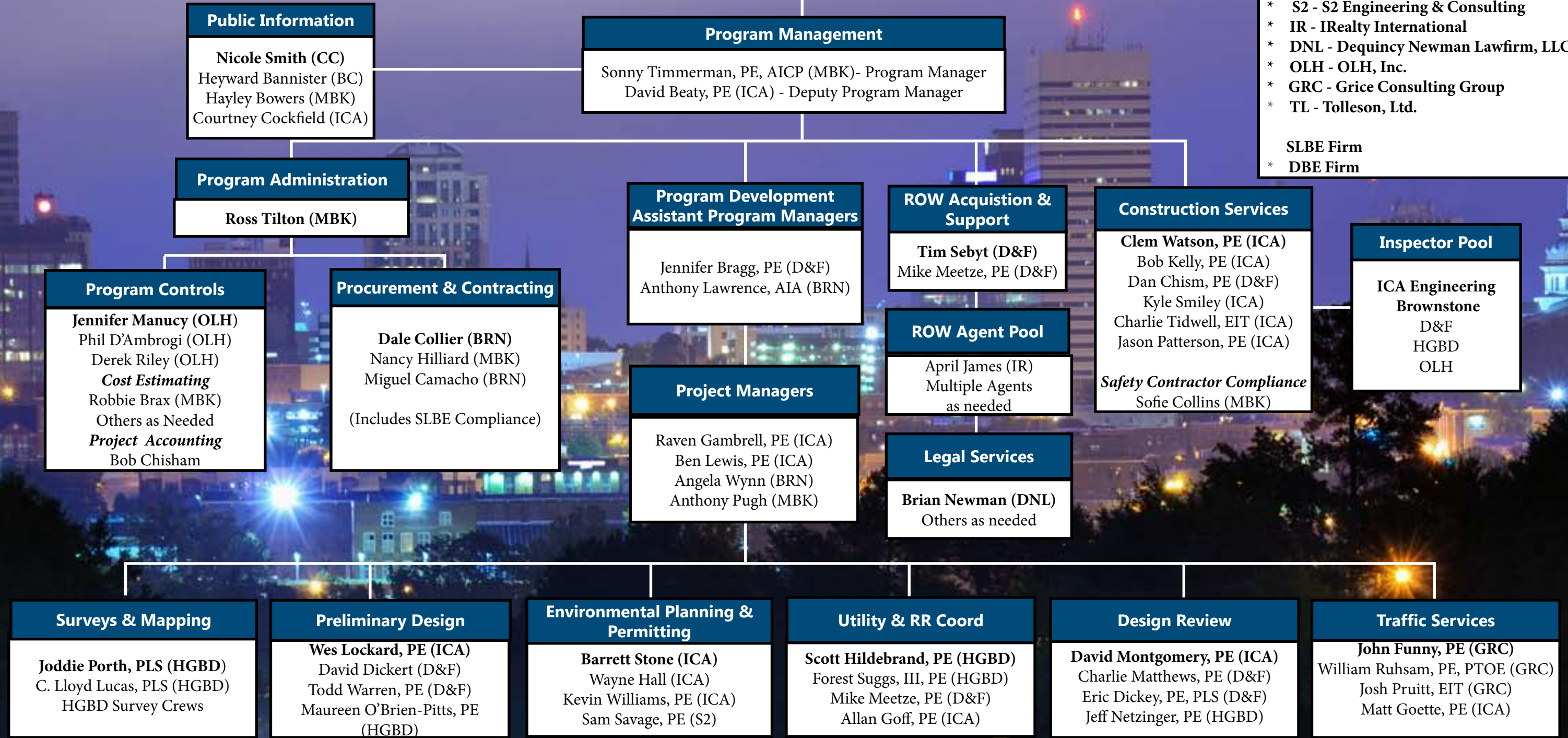


Richland County Program Development Team

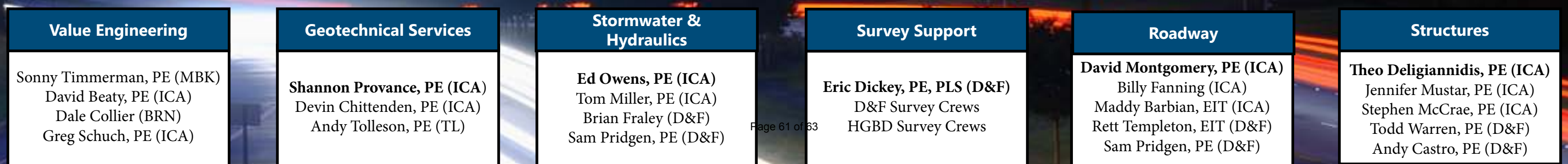


Bold = Lead Staff/Firm

- ICA /Brownstone /MB Kahn Team**
- ICA - ICA Engineering, Inc.
 - * BRN - Brownstone
 - MBK - MB Kahn Construction Co. Inc.
 - D&F - Davis & Floyd, Inc
 - HGBD - Hussey, Gay, Bell & DeYoung
 - * CC - Campbell Consulting
 - * BC-BANCO /Bannister Company
 - * S2 - S2 Engineering & Consulting
 - * IR - IRealty International
 - * DNL - Dequincy Newman Lawfirm, LLC
 - * OLH - OLH, Inc.
 - * GRC - Grice Consulting Group
 - * TL - Tolleson, Ltd.
- SLBE Firm
* DBE Firm



Resource Staff



For the TPAC meeting on March 28:

Carol Kososki, member of the Transportation Penny Advisory Committee, makes the following motions:

Motion #1

The Transportation Penny Advisory Committee requests that beginning in April 2016, the Committee will regularly receive payment information for *all* Transportation Penny firms.

Explanation / Background:

The TPAC currently receives payment information only for certified firms (Exhibit A of the Bi-Weekly Report), not non-certified firms. For example, payments to M B Kahn, Lane Construction, Sloan, CR Jackson, etc do not appear on any exhibits. This prevents the TPAC from understanding total payments. The TPAC receives payment information on certified firms that have lower award amounts, but does *not* receive information on non-certified firms with much larger award amounts.

Motion #2

The Transportation Penny Advisory Committee requests a written explanation of why Transportation Penny payments to certified firms are (a) allowed to exceed their award limits and (b) once exceeded, why they are allowed to continue exceeding their award limits.

Explanation / Background:

Exhibit A of the December 11, 2015 report shows the total award to Brownstone at \$3,176,133. Total payments in this December report to Brownstone are \$3,498,971.21. The January 22, 2016 report shows payments to Brownstone at \$3,507,945.26 with no change in award amount. Again in the February 22, 2016 report, payments increased to \$3,745,315.84 with no change in award amount. A second example is Campbell Consulting. The December 11, 2015 and January 22, 2016 reports show payments of \$330,624.56 with an award amount of \$325,110. Then in the February 22, 2016 report, Campbell received total payments of \$356,592.06 with no change in the award amount of \$325,110.

For the TPAC meeting on March 28:

Hayes Mizell, member of the Transportation Penny Advisory Committee, makes the following motions:

Motion #1:

The Transportation Advisory Committee (TPAC) requests that the Richland County Administrator routinely provide the TPAC with copies of written communications from or to the South Carolina Department of Revenue (DOR) regarding DOR allegations set forth in its December 3, 2015 letter to the County, and in subsequent related letters.

Motion #2:

The Transportation Penny Advisory Committee (TPAC) requests that at each TPAC meeting an appropriate representative of Richland County make a presentation updating the TPAC on all actions taken by the County to resolve, clarify, or refute allegations made by the DOR in its December 3, 2016 letter to the County, and in subsequent related communications.

Explanation / Background:

Citizens of Richland County expect the TPAC to monitor the implementation of the Transportation Penny Program, including administration of Penny Tax revenue. In light of the South Carolina Department of Revenue's letter of December 3, 2015 to the County, and subsequent related letters, it is necessary for the TPAC to be fully informed about ongoing developments to resolve, clarify, or refute the DOR allegations.