

COUNTY COUNCIL OF BEAUFORT COUNTY
 ADMINISTRATION BUILDING
 BEAUFORT COUNTY GOVERNMENT ROBERT SMALLS COMPLEX
 100 RIBAUT ROAD
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 DEPUTY COUNTY ADMINISTRATOR
 SPECIAL COUNSEL

THOMAS J. KEAVENY, II
 COUNTY ATTORNEY

SUZANNE M. RAINEY
 CLERK TO COUNCIL

AGENDA
PUBLIC FACILITIES COMMITTEE

Monday, August 31, 2015
 4:00 p.m.

Executive Conference Room
 Administration Building

Beaufort County Government Robert Smalls Complex
 100 Ribaut Road, Beaufort

Committee Members:

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

Staff Support:

Andrew Dalkos, Division Director
 IT Systems Management
 Colin Kinton, Division Director
 Transportation Engineering
 Eric Larson, Division Director
 Environmental Engineering
 Robert McFee, Division Director
 Facilities and Construction Engineering

1. CALL TO ORDER – 4:00 P.M.
2. BOUNDARY STREET REDEVELOPMENT CONSTRUCTION IMPROVEMENTS
 (backup)
3. BOUNDARY STREET REDEVELOPMENT CONSTRUCTION MANAGEMENT AND
 CONSTRUCTION ENGINEERING INSPECTION SERVICES (backup)
4. ADJOURNMENT

2015 Strategic Plan Committee Assignments

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





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

TO: Councilman Gerald Dawson, Chairman, Public Facilities Committee

VIA: Gary Kubic, County Administrator *GKubic*
William Prokop, City Manager *WP*
Josh Gruber, Deputy County Administrator *JG*
Alicia Holland, Assistant County Administrator for Finance *AH*
Kathy Todd, City Finance Director *KMT*

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

SUBJ: Boundary Street Redevelopment Construction – IFB #062315E

DATE: August 25, 2015

BACKGROUND. Beaufort County received bids for the construction component of the Boundary Street Redevelopment Project on July 7, 2015. This project consists of the conversion of the existing 5-lane roadway to a 4-lane boulevard from Neil Road to Greenlawn Drive and includes street lighting, sidewalks, a multi-use path, landscaping, undergrounding of overhead utilities and the realignment of the intersection of SC 170 and Boundary Street. Also included in this project is the construction of a new 0.52 mile parallel City road for First Street and existing Polk and Palmetto Streets as outlined in the approved Boundary Street Master Plan adopted by the City in August 2006.

The following firm submitted a bid for the subject project on July 7, 2015.

Bidder	ADDRESS	AMOUNT
Preferred Materials, Inc. (PMI)	Savannah, GA	\$ 18,765,274.84
Engineers Estimate		\$20,094,355.00

PMI's bid submittal has been reviewed and a contract award concurrence package has been sent to SCDOT and the FHWA. The SCDOT and FHWA review is being conducted in parallel with the County review and award process. Contract award will be finalized once all approvals have been secured.

SMB OUTREACH PLAN. The Beaufort County Small & Minority Business Participation solicitation will not apply to this contract due to sources of funding. PMI met the project DBE goal of 13.0%. PMI's total DBE goal is 14.9%.

Att **FUNDING.** Please see the attached August 20, 2015 Boundary Street Parallel Road Funding Financial Worksheet.

FOR ACTION. Public Facilities Committee Meeting on August 31, 2015.

RECOMMENDATION. The Public Facilities Committee approve and recommend to County Council approval of a contract award to Preferred Materials, Inc., for construction of the Boundary Street Redevelopment in the amount of \$18,765,274.84 from the funding sources listed above. Council award is contingent on approval by SCDOT and the Federal Highway Administration.

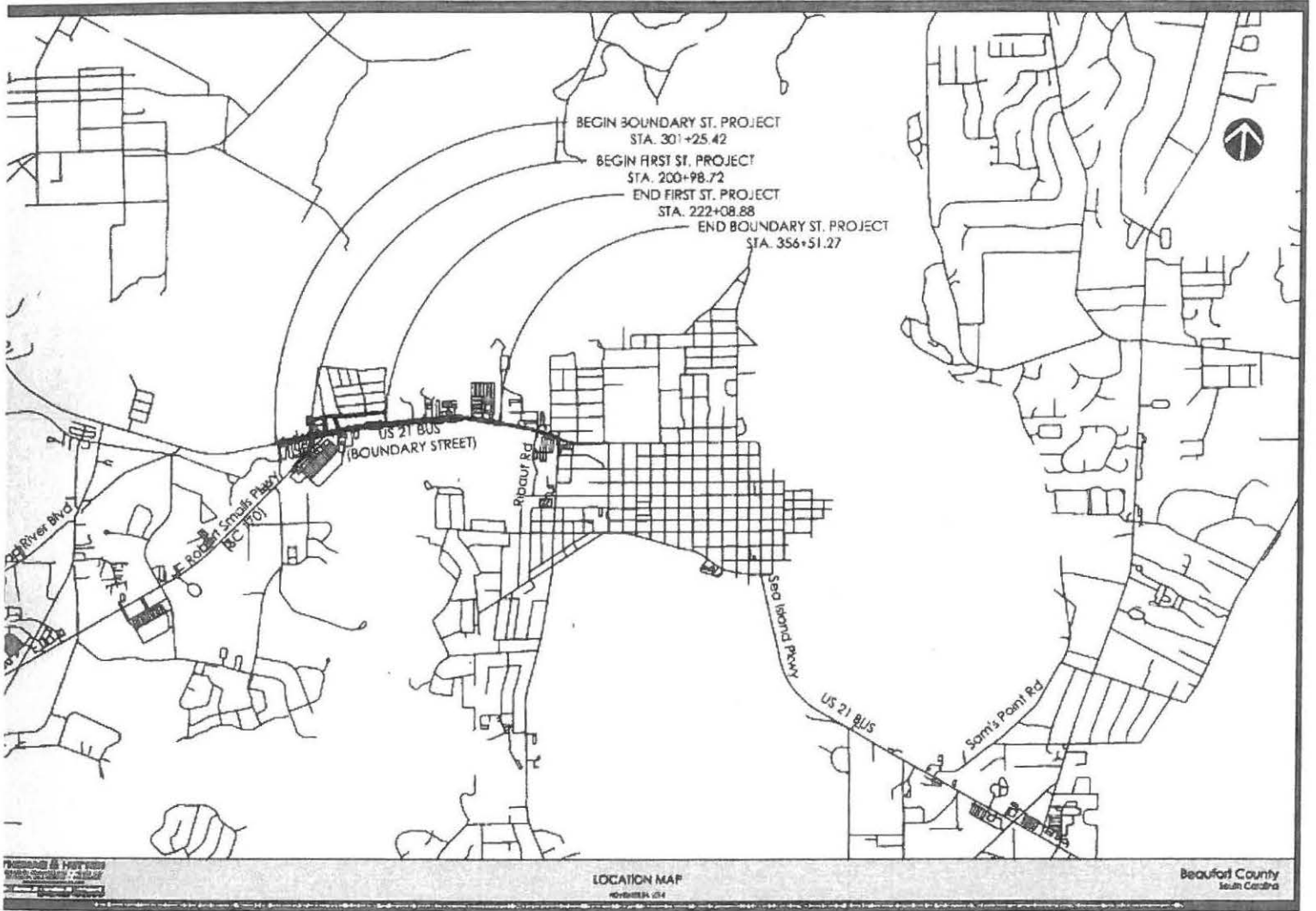
Attachments: 1) 8/20/15 Boundary Street/Parallel Road Funding Financial Worksheet
2) Location Map
3) Thomas & Hutton Bid Certification
4) DBE Documents

cc: Monica Spells, Assistant County Administrator for Civic Engagement *MS*
Dave Thomas, Purchasing Director *DT*

BOUNDARY STREET AND PARALLEL ROAD
 FUNDING BY SOURCE COMPARED TO PROJECT BUDGET
 AS OF AUGUST 20, 2015

	Original Budget 2012	Budget Amended as of June 30, 2015	Budget Amended as of August 20, 2015
<u>Funding Sources</u>			
Federal Grant	\$ 12,635,000	\$ 12,635,000	\$ 12,635,000
Beaufort County Sales Tax Fund	11,346,115	11,346,115	11,346,115
Beaufort County Road Impact Fees	300,000	300,000	1,369,243
City of Beaufort TIF II	2,912,695	6,964,853	8,223,000
Total Funding Sources	<u>\$ 27,193,810</u>	<u>\$ 31,245,968</u>	<u>\$ 33,573,358</u>
<u>Project Budget</u>			
<u>BOUNDARY STREET</u>			
SC 170 Realignment			
ROW	\$ 500,000	\$ 423,949	\$ 423,949
Construction	3,500,000	-	-
Multi Use Path			
ROW	200,000	376,120	376,120
Construction	900,000	-	-
Multiway Boulevard			
ROW	3,000,000	2,750,439	2,750,125
Construction	9,297,000	14,665,275	14,665,275
Duct Bank	2,900,000	-	-
Pre-Grant Expenditures	1,700,695	1,700,695	1,700,695
Engineering and other costs	-	-	1,230,045
Construction, Engineering and Inspection (CEI)	1,200,000	1,200,000	1,968,800
Contingency for Utilities	-	2,300,000	2,300,000
Project Contingency	-	1,242,780	1,637,139
Boundary Street subtotal	<u>23,197,695</u>	<u>24,659,258</u>	<u>27,052,148</u>
<u>PARALLEL ROAD</u>			
ROW	1,300,000	1,340,595	1,167,766
Construction	1,500,000	4,100,000	4,100,000
Pre-Grant Expenditures	746,115	746,115	746,115
Project Contingency	-	400,000	500,000
Engineering and other costs	-	-	7,329
Duct Bank	450,000	-	-
Parallel Road subtotal	<u>3,996,115</u>	<u>6,586,710</u>	<u>6,521,210</u>
Total Project Budget	<u>\$ 27,193,810</u>	<u>\$ 31,245,968</u>	<u>\$ 33,573,358</u>

LOCATION MAP



BEAUFORT COUNTY ENGINEERING DIVISION

ENGINEER'S OPINION OF COST-US 21 BUSINESS/BOUNDARY STREET IMPROVEMENTS FROM NEIL TO GREENLAWN INCLUDING FIRST ST (PARALLEL RD)

ITEM	DESCRIPTION	QUANTITY	UNITS	Preferred Materials, Inc.		Engineer's Opinion	
				UNIT PRICE	PRICE	UNIT PRICE	PRICE
1031000	MOBILIZATION	NEC	LS	\$ 940,000.00	\$ 940,000.00	\$ 1,377,032.50	\$ 1,377,032.50
1050800	CONSTRUCTION STAKES, LINES & GRADES	NEC	LS	\$ 133,900.00	\$ 133,900.00	\$ 160,037.50	\$ 160,037.50
1071000	TRAFFIC CONTROL	NEC	LS	\$ 740,000.00	\$ 740,000.00	\$ 591,477.50	\$ 591,477.50
1080300	CPM PROGRESS SCHEDULE	NEC	LS	\$ 30,900.00	\$ 30,900.00	\$ 24,425.00	\$ 24,425.00
2011001	CLEARING & GRUBBING WITHIN RIGHT OF WAY	NEC	LS	\$ 1,497,000.00	\$ 1,497,000.00	\$ 1,404,465.00	\$ 1,404,465.00
2021000	REMOVAL OF STRUCTURES & OBSTRUCTIONS	NEC	LS	\$ 174,300.00	\$ 174,300.00	\$ 224,520.00	\$ 224,520.00
2021005	REMOVAL & DISPOSAL OF EXISTING CATCH BASINS	23	EA	\$ 164.00	\$ 3,772.00	\$ 631.50	\$ 14,524.50
2021010	REMOVAL & DISPOSAL OF EXISTING DROP INLETS	17	EA	\$ 164.00	\$ 2,788.00	\$ 631.50	\$ 10,735.50
2021015	REMOVAL & DISPOSAL OF EXISTING MANHOLES	11	EA	\$ 164.00	\$ 1,804.00	\$ 631.50	\$ 6,946.50
2021020	REMOVAL & DISPOSAL OF EXISTING JUNCTION BOX	1	EA	\$ 164.00	\$ 164.00	\$ 631.50	\$ 631.50
2021205	REMOVAL & DISPOSAL OF LOW LEVEL CONTAMINATED SOIL	200	TON	\$ 101.15	\$ 20,230.00	\$ 107.50	\$ 21,500.00
2023000	REMOVAL & DISPOSAL OF EXISTING PAVEMENT	10600	SY	\$ 5.69	\$ 60,314.00	\$ 16.70	\$ 177,020.00
2025000	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT	24400	SY	\$ 7.88	\$ 192,272.00	\$ 15.53	\$ 378,810.00
2031000	UNCLASSIFIED EXCAVATION	10155	CY	\$ 11.90	\$ 120,844.50	\$ 19.36	\$ 196,550.03
2033000	BORROW EXCAVATION	8750	CY	\$ 31.69	\$ 277,287.50	\$ 33.17	\$ 290,193.75
2034000	MUCK EXCAVATION	500	CY	\$ 22.69	\$ 11,345.00	\$ 19.17	\$ 9,582.50
2040055	STRUCTURE EXCAVATION (RETAINING WALL)	700	CY	\$ 20.00	\$ 14,000.00	\$ 45.00	\$ 31,500.00
2052000	NO. 57 STONE FOR BACKFILL	970	TON	\$ 66.15	\$ 64,165.50	\$ 62.73	\$ 60,848.10
2081001	FINE GRADING	20427	SY	\$ 3.19	\$ 65,162.13	\$ 5.63	\$ 115,004.01
2103000	FLOWABLE FILL	931	CY	\$ 177.00	\$ 164,787.00	\$ 198.00	\$ 184,338.00
3050108	GRADED AGGR.BASE COURSE-8"UNIF (Emergency Turn around)	56	SY	\$ 29.55	\$ 1,654.80	\$ 35.00	\$ 1,960.00
3069900	MAINTENANCE STONE	2200	TON	\$ 50.19	\$ 110,418.00	\$ 50.75	\$ 111,650.00
3100310	HOT MIX ASPHALT BASE COURSE-TYPE A (Full Depth Road <6',D/W)	7765	TON	\$ 78.91	\$ 612,736.15	\$ 126.50	\$ 982,272.50
4011004	LIQUID ASPHALT BINDER PG64-22 (Roadway-overlay,full depth,driveway)	1210	TON	\$ 524.00	\$ 634,040.00	\$ 711.13	\$ 860,461.25
4013990	MILLING EXISTING ASPHALT PAVEMENT (VARIABLE)	9025	SY	\$ 4.75	\$ 42,868.75	\$ 4.65	\$ 41,966.25
4012060	FULL DEPTH ASPHALT PATCH-6" UNIF.	4550	SY	\$ 44.04	\$ 200,382.00	\$ 46.38	\$ 211,006.25
4020320	HOT MIX ASPHALT INTERMEDIATE COURSE TYPE B (Full Depth Rd,Leveling>2")	4365	TON	\$ 80.78	\$ 352,604.70	\$ 85.38	\$ 372,661.88
4030320	HOT MIX ASPHALT SURFACE COURSE TYPE B (Overlay/Full Depth Road, D/W)	6325	TON	\$ 83.73	\$ 529,592.25	\$ 75.95	\$ 480,383.75
4030360	HOT MIX ASPHALT SURFACE COURSE TYPE E (Leveling <2")	2390	TON	\$ 79.52	\$ 190,052.80	\$ 82.95	\$ 198,250.50
6020104	CONSTRUCTION ZONE ELECTRIC CHANGEABLE MESSAGE SIGN FOR MAINT	8	EA	\$ 15,141.00	\$ 121,128.00	\$ 13,575.00	\$ 108,600.00
6041150	BARRICADE - TYPE 2	50	LF	\$ 36.05	\$ 1,802.50	\$ 67.52	\$ 3,376.00
6041200	BARRICADE - TYPE 3	310	LF	\$ 30.39	\$ 9,420.90	\$ 75.69	\$ 23,463.90
6051120	PERMANENT CONSTRUCTION SIGNS (GROUND MOUNTED)	702	SF	\$ 6.70	\$ 4,703.40	\$ 6.38	\$ 4,475.25
6051125	PERMANENT CONSTRUCTION SIGNS (BARRICADE MOUNTED)	256	SF	\$ 8.76	\$ 2,242.56	\$ 19.65	\$ 5,030.40
609105A	PAVEMENT MARKINGS(TEMP-PAINT) 4" WHITE BROKEN LINES	7100	LF	\$ 0.18	\$ 1,278.00	\$ 0.16	\$ 1,100.50
609105B	PAVEMENT MARKINGS(TEMP-PAINT) 4" YELLOW BROKEN LINES	2100	LF	\$ 0.18	\$ 378.00	\$ 0.14	\$ 283.50
609115A	PAVEMENT MARKINGS(TEMPORARY-PAINT)-4" WHITE SOLID LINES	10000	LF	\$ 0.18	\$ 1,800.00	\$ 0.35	\$ 3,500.00
609115B	PAVEMENT MARKINGS(TEMPORARY-PAINT)-4" YELLOW SOLID LINES	33000	LF	\$ 0.18	\$ 5,940.00	\$ 0.10	\$ 3,135.00
609125A	PAVEMENT MARKINGS(TEMPORARY-PAINT)-8" WHITE SOLID LINES	6665	LF	\$ 1.03	\$ 6,864.95	\$ 1.07	\$ 7,098.23
609125B	PAVEMENT MARKINGS(TEMPORARY-PAINT)-8" YELLOW SOLID LINES	200	LF	\$ 1.03	\$ 206.00	\$ 1.07	\$ 213.00
609135A	PAVEMENT MARKINGS(TEMPORARY-PAINT)-24"WHITE SOLID LINES	1680	LF	\$ 3.09	\$ 5,191.20	\$ 3.20	\$ 5,367.60
609135B	PAVEMENT MARKINGS(TEMPORARY-PAINT)-24"YELLOW SOLID LINES	100	LF	\$ 3.09	\$ 309.00	\$ 3.20	\$ 319.50
609160A	PAVEMENT MARKINGS(TEMPORARY-PAINT)-WHITE SINGLE ARROW	92	EA	\$ 67.00	\$ 6,164.00	\$ 48.25	\$ 4,439.00
609165A	PAVEMENT MARKINGS(TEMP-PAINT)-WHITE COMBINATION ARROWS	15	EA	\$ 88.00	\$ 1,320.00	\$ 53.50	\$ 802.50
609180A	PAVEMENT MARKINGS(TEMPORARY-PAINT)-WHITE WORD 'ONLY	60	EA	\$ 98.00	\$ 5,880.00	\$ 58.75	\$ 3,525.00
6092100	TEMPORARY CLEAR PAVEMENT MARKERS MONO-DIR.- 4"X4"	336	EA	\$ 5.15	\$ 1,730.40	\$ 4.80	\$ 1,611.12
6092150	TEMPORARY YELLOW PAVEMENT MARKERS MONO-DIR.- 4"X4"	361	EA	\$ 5.15	\$ 1,859.15	\$ 4.80	\$ 1,731.00
6092155	TEMPORARY YELLOW PAVEMENT MARKERS BI-DIR.- 4"X4"	175	EA	\$ 5.15	\$ 901.25	\$ 4.80	\$ 839.13
6271005	4" WHITE BROKEN LINES(GAPS EXCL.)THERMOPLASTIC- 90 MIL	4500	LF	\$ 1.03	\$ 4,635.00	\$ 0.96	\$ 4,297.50

BEAUFORT COUNTY ENGINEERING DIVISION

ENGINEER'S OPINION OF COST-US 21 BUSINESS/BOUNDARY STREET IMPROVEMENTS FROM NEIL TO GREENLAWN INCLUDING FIRST ST (PARALLEL RD)

ITEM	DESCRIPTION	QUANTITY	UNITS	Preferred Materials, Inc.		Engineer's Opinion	
				UNIT PRICE	PRICE	UNIT PRICE	PRICE
6271010	4" WHITE SOLID LINES (PVT. EDGE LINES) THERMO.- 90 MIL.	5000	LF	\$ 0.57	\$ 2,850.00	\$ 0.66	\$ 3,300.00
6271015	8" WHITE SOLID LINES THERMOPLASTIC - 125 MIL.	3865	LF	\$ 1.85	\$ 7,150.25	\$ 3.73	\$ 14,416.45
6271025	24" WHITE SOLID LINES (STOP/DIAG LINES)-THERMO.-125 MIL	1030	LF	\$ 6.18	\$ 6,365.40	\$ 11.21	\$ 11,546.30
6271030	WHITE SINGLE ARROWS (LT. STRGHT, RT) THERMO.-125 MIL.	38	EA	\$ 114.00	\$ 4,332.00	\$ 79.88	\$ 3,035.25
6271035	WHITE WORD MESSAGE "ONLY"-THERMOPLASTIC - 125 MIL.	26	EA	\$ 309.00	\$ 8,034.00	\$ 159.75	\$ 4,153.50
6271040	WHITE COMBINATION ARROWS(STR&RT.OR STR<)THERMO-125MIL	5	EA	\$ 170.00	\$ 850.00	\$ 90.53	\$ 452.63
6271064	4" YELLOW BROKEN LINES(GAPS EXC)THERMOPLASTIC - 90 MIL.	220	LF	\$ 0.57	\$ 125.40	\$ 0.81	\$ 178.20
6271074	4" YELLOW SOLID LINES(PVT.EDGE LINES) THERMO-90 MIL.	15200	LF	\$ 0.57	\$ 8,664.00	\$ 0.54	\$ 8,132.00
6271078	8" YELLOW SOLID LINES THERMOPLASTIC - 125 MIL.	665	LF	\$ 2.06	\$ 1,369.90	\$ 3.73	\$ 2,480.45
6271080	24" YELLOW SOLID LINES - THERMOPLASTIC - 125 MIL.	290	LF	\$ 6.18	\$ 1,792.20	\$ 11.21	\$ 3,250.90
6301100	PERMANENT YELLOW PAVEMENT MARKERS BI-DIR.- 4"X4"	135	EA	\$ 4.38	\$ 591.30	\$ 4.26	\$ 575.10
6302001	PERMANENT CLEAR/RED PAVEMENT MARKERS- BI-DIR.- 4"X4"	205	EA	\$ 4.38	\$ 897.90	\$ 4.26	\$ 873.30
6510105	FLAT SHEET, TYPE III, FIXED SZ. & MSG. SIGN	861	SF	\$ 16.48	\$ 14,189.28	\$ 28.65	\$ 24,667.65
6510106	FLAT SH.1-3,SIZE DETER BY MSG.	60	SF	\$ 21.63	\$ 1,297.80	\$ 24.98	\$ 1,498.50
6510108	FLAT SHEET, TYPE VIII OR IX OVERHEAD	255	SF	\$ 36.05	\$ 9,192.75	\$ 24.79	\$ 6,321.45
6513020	MOUNTING ASSEMBLY FOR F.S. SIGN ERCTD ON MAST ARM	25	EA	\$ 257.50	\$ 6,437.50	\$ 275.00	\$ 6,875.00
6531210	U-SECTION POST FOR SIGN SUPPORTS - 3P	1456	LF	\$ 8.76	\$ 12,754.56	\$ 15.38	\$ 22,393.28
6531215	U-SEC. POST FOR SGN BRAC. - 2P	72	LF	\$ 7.21	\$ 519.12	\$ 13.51	\$ 972.36
6651005	LIGHT STANDARD ANCHORAGE	159	EA	\$ 1,133.00	\$ 180,147.00	\$ 795.50	\$ 126,484.50
6651091	SINGLE LIGHT DECORATIVE POLE	159	EA	\$ 4,223.00	\$ 671,457.00	\$ 2,168.50	\$ 344,791.50
6888110	INSTALL STREET LIGHT LUMINAIRE	159	EA	\$ 670.00	\$ 106,530.00	\$ 1,959.00	\$ 311,481.00
0	FURNISH & INSTALL 2.0" GALVANIZED RIGID CONDUIT TO TIMBER BOARDWK	1180	LF	\$ 23.69	\$ 27,954.20	\$ 32.30	\$ 38,114.00
0	FURNISH & INSTALL 4.0" GALVANIZED RIGID CONDUIT TO TIMBER BOARDWK	545	LF	\$ 46.35	\$ 25,260.75	\$ 65.59	\$ 35,746.55
06750272	FURNISH ADDTNL CONDUIT WITHIN DIRBORE	6440	LF	\$ 3.09	\$ 19,899.60	\$ 9.41	\$ 60,600.40
6750275	1.0" SCHEDULE 80 PVC CONDUIT	350	LF	\$ 7.21	\$ 2,523.50	\$ 7.95	\$ 2,780.75
6750278	2.0" SCHEDULE 80 PVC CONDUIT	3145	LF	\$ 8.24	\$ 25,914.80	\$ 10.07	\$ 31,654.43
6760060	2" SCH 80 HDPE CONDUIT (TRENCHLESS)	4695	LF	\$ 16.48	\$ 77,373.60	\$ 19.37	\$ 90,942.15
6760085	6" SCH 80 HDPE CONDUIT (TRENCHLESS)	2145	LF	\$ 36.05	\$ 77,327.25	\$ 58.11	\$ 124,645.95
6770389	NO. 14 COPPER WIRE, 4 CONDUCTOR - GRAY	4160	LF	\$ 2.06	\$ 8,569.60	\$ 1.90	\$ 7,883.20
6770393	NO. 14 COPPER WIRE, 8 CONDUCTOR (BLACK)	9420	LF	\$ 2.16	\$ 20,347.20	\$ 2.28	\$ 21,477.60
6770416	CATEGORY 5 CABLE - SHIELDED	350	LF	\$ 2.06	\$ 721.00	\$ 2.14	\$ 749.00
6770470	FIBER OPTIC CABLE-SINGLE MODE	7800	LF	\$ 2.58	\$ 20,124.00	\$ 2.05	\$ 15,951.00
6770476	FIBER OPTIC INTERCONNECT CENTR	7	EA	\$ 1,545.00	\$ 10,815.00	\$ 1,296.00	\$ 9,072.00
6770480	FIB. OPTIC TRANSREC.(5MFO)	7	EA	\$ 3,090.00	\$ 21,630.00	\$ 1,572.00	\$ 11,004.00
6770482	FIBER OPTIC MODEM	7	EA	\$ 1,545.00	\$ 10,815.00	\$ 1,597.50	\$ 11,182.50
6770486	FIBEROPTIC REPAIR SPLICE OH/UG	7	EA	\$ 1,545.00	\$ 10,815.00	\$ 1,228.50	\$ 8,599.50
6770489	FURNISH & INSTALL SPREADSPECTRUM RADIO HUB ASSEMBLY (LOCAL)	18	EA	\$ 2,266.00	\$ 40,788.00	\$ 4,223.00	\$ 76,014.00
6770494	FLUSH MOUNTED WIRELESS SENSORS	291	EA	\$ 695.25	\$ 202,317.75	\$ 631.32	\$ 183,714.12
6770495	WIRELESS REPEATER	40	EA	\$ 1,545.00	\$ 61,800.00	\$ 1,861.50	\$ 74,460.00
6770496	RECEIVER (ACCESS POINT)	9	EA	\$ 1,236.00	\$ 11,124.00	\$ 2,304.50	\$ 20,740.50
6770497	MASTER CONTACT CLOSURE CARD	18	EA	\$ 3,605.00	\$ 64,890.00	\$ 4,122.00	\$ 74,196.00
6770498	CONTACT CLOSURE CARD	26	EA	\$ 721.00	\$ 18,746.00	\$ 726.96	\$ 18,900.83
6770499	MOUNT KIT ACCESS POINT/REPEAT.	58	EA	\$ 257.50	\$ 14,935.00	\$ 261.95	\$ 15,192.81
6770500	ACCESS BOX	18	EA	\$ 103.00	\$ 1,854.00	\$ 102.33	\$ 1,841.94
6770501	EPOXY TUBES	305	EA	\$ 154.50	\$ 47,122.50	\$ 89.54	\$ 27,308.18
6770505	FURNISH EXPOXY APPLICATOR	1	EA	\$ 206.00	\$ 206.00	\$ 158.21	\$ 158.21
6800499	ELECTRICAL SERVICE FOR TRAFFIC SIGNAL	7	EA	\$ 772.50	\$ 5,407.50	\$ 4,500.33	\$ 31,502.31
6800518	13"X24"X18"D.ELEC.FLUSH UNDGRD.ENCLOSURE (STR.POLY.CONC.)HD	32	EA	\$ 386.25	\$ 12,360.00	\$ 357.30	\$ 11,433.60
6845480	FURNISH & INSTALL 4" BREAK-AWAY ALUMINUM PEDESTAL POLE	12	EA	\$ 566.50	\$ 6,798.00	\$ 900.36	\$ 10,804.26
6865720	12" 4 SECTION SIGNAL HEAD	12	EA	\$ 669.50	\$ 8,034.00	\$ 799.30	\$ 9,591.60

BEAUFORT COUNTY ENGINEERING DIVISION

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ITEM	DESCRIPTION	QUANTITY	UNITS	Preferred Materials, Inc.		Engineer's Opinion	
				UNIT PRICE	PRICE	UNIT PRICE	PRICE
6865723	12" 3 SECTION SIGNAL HEAD	50	EA	\$ 618.00	\$ 30,900.00	\$ 646.71	\$ 32,335.25
6865781	F&I 1 WAY 1 SECT. HAND/MAN PED. SIGNAL AHEAD	18	EA	\$ 592.25	\$ 10,660.50	\$ 520.00	\$ 9,360.00
6865784	FURNISH & INSTALL 1-WAY-1SECT. PEDSTRN SIGNAL HD W/HAND/MAN COUNTDOWN LED MODULE & CLAMSHELL MOUNT FOR SIDE POLE (LEFT)	12	EA	\$ 592.25	\$ 7,107.00	\$ 645.65	\$ 7,747.74
6865785	FURNISH & INSTALL 1-WAY-1SECT. PEDSTRN SIGNAL HD W/HAND/MAN COUNTDOWN LED MODULE & CLAMSHELL MOUNT FOR SIDE POLE (RIGHT)	12	EA	\$ 592.25	\$ 7,107.00	\$ 650.80	\$ 7,809.54
6865796	F&I-PED PUSH BUT.SOLID STATE W/ LIGHT&TONE ASSEM 9"x12"&SIGN	40	EA	\$ 257.50	\$ 10,300.00	\$ 248.59	\$ 9,943.40
6865831	VEH.TRAF.SGNL.MTG./MAST.ARM	62	EA	\$ 206.00	\$ 12,772.00	\$ 307.56	\$ 19,068.41
6865834	BCKPLT. W/ RETROREFL. BORDERS	62	EA	\$ 154.50	\$ 9,579.00	\$ 133.00	\$ 8,246.00
6865840	PEDEST.TRAF.SGNL.MTG/POST TOP	8	EA	\$ 154.50	\$ 1,236.00	\$ 87.60	\$ 700.80
6865841	PEDEST.TRAF.SGNL.MTG/SIDE POLE	40	EA	\$ 103.00	\$ 4,120.00	\$ 92.16	\$ 3,686.20
6865842	PEDEST.TRAF.SGNL.MTG/ DUAL POST TOP	5	EA	\$ 180.25	\$ 901.25	\$ 227.65	\$ 1,138.25
6885982	REMOVE FOUNDATION OF STEEL / RAIN POLE - 18" BELOW GRADE	1	LS	\$ 1,648.00	\$ 1,648.00	\$ 1,360.00	\$ 1,360.00
6885990	REMOVAL,SALVAGE,&DISP.OF EXISTING TRAF. SIGNAL EQUIPMENT	5	EA	\$ 772.50	\$ 3,862.50	\$ 1,070.00	\$ 5,350.00
6885992	TEMPORARY ADJUSTMENT OF TRAFFIC SIGNAL EQUIPMENT	7	EA	\$ 1,545.00	\$ 10,815.00	\$ 1,076.00	\$ 7,532.00
6885996	TEMPORARY TIMING ADJUSTMENTS PER SITE VISIT	7	EA	\$ 103.00	\$ 721.00	\$ 662.00	\$ 4,634.00
6886055	TRAFFIC ADAPTIVE SYSTEM	7	EA	\$ 46,350.00	\$ 324,450.00	\$ 29,573.00	\$ 207,011.00
6888167	POWDERCOATING PER MAST ARM OVER GALVANIZED	24	EA	\$ 1,854.00	\$ 44,496.00	\$ 1,402.00	\$ 33,648.00
6888168	DECORATIVE OPTION PER MAST ARM	24	EA	\$ 3,605.00	\$ 86,520.00	\$ 1,202.50	\$ 28,860.00
6888172	DES.FURN&INST.STLPOLEW/MASTARM w/o FOUNDATION	8	EA	\$ 15,450.00	\$ 123,600.00	\$ 16,041.00	\$ 128,328.00
6888174	INSTALL FOUNDATION FOR MAST ARM INCLUDING CONCRETE AND REBAR	16	EA	\$ 6,180.00	\$ 98,880.00	\$ 12,053.00	\$ 192,848.00
6888178	DESIGN, FURNISH & INSTALL STEEL POLE WITH TWIN MAST ARM W/O FOUNDATION	9	EA	\$ 17,510.00	\$ 157,590.00	\$ 21,702.50	\$ 195,322.50
6888225	FURNISH AND INSTALL CONTROLLER AND 332/336 CABINET - BASE MOUNTED	7	EA	\$ 13,390.00	\$ 93,730.00	\$ 1,336.30	\$ 9,354.10
7011401	CONC./STRUC-CL 4000(RET WALL)	130	CY	\$ 1,185.00	\$ 154,050.00	\$ 629.25	\$ 81,802.50
7031105	REINFORCING STEEL FOR STRUCTURE (RETAINING WALL)	1300	LB	\$ 2.06	\$ 2,678.00	\$ 5.00	\$ 6,500.00
7065080	TREATED STRUCTURAL TIMBER BOARDWALK	975	LF	\$ 331.66	\$ 323,368.50	\$ 442.23	\$ 431,169.38
7141113	18" RC PIPE CUL.-CLASS III	12	LF	\$ 59.01	\$ 708.12	\$ 65.13	\$ 781.50
7141133	18" RC PIPE CUL.-CLASS V	28	LF	\$ 61.40	\$ 1,719.20	\$ 70.00	\$ 1,960.00
7143615	15" SMOOTH WALL PIPE	58	LF	\$ 71.99	\$ 4,175.42	\$ 56.13	\$ 3,255.54
7143618	18" SMOOTH WALL PIPE	4159	LF	\$ 60.49	\$ 251,577.91	\$ 67.95	\$ 282,604.05
7143624	24" SMOOTH WALL PIPE	1327	LF	\$ 71.85	\$ 95,344.95	\$ 81.08	\$ 107,593.16
7143630	30" SMOOTH WALL PIPE	544	LF	\$ 104.00	\$ 56,576.00	\$ 163.62	\$ 89,009.28
7143636	36" SMOOTH WALL PIPE	720	LF	\$ 170.00	\$ 122,400.00	\$ 128.17	\$ 92,282.40
7143642	42" SMOOTH WALL PIPE	420	LF	\$ 195.00	\$ 81,900.00	\$ 374.10	\$ 157,122.00
7149999	CLEANING EXISTING PIPE	5650	LF	\$ 15.45	\$ 87,292.50	\$ 11.23	\$ 63,421.25
7182000	BRICK MASONRY (REINFORCED)	90	CY	\$ 1,236.00	\$ 111,240.00	\$ 1,278.00	\$ 115,020.00
7191005	CATCH BASIN -TYPE 1	26	EA	\$ 3,400.00	\$ 88,400.00	\$ 2,715.00	\$ 70,590.00
7191050	CATCH BASIN -TYPE 1 SPECIAL	1	EA	\$ 7,150.00	\$ 7,150.00	\$ 2,900.00	\$ 2,900.00
7191006	CATCH BASIN -TYPE 1 W 4X4 BOX	6	EA	\$ 3,880.00	\$ 23,280.00	\$ 3,435.50	\$ 20,613.00
7191605	CATCH BASIN -TYPE 16	30	EA	\$ 5,800.00	\$ 174,000.00	\$ 4,404.50	\$ 132,135.00
7191611	CATCH BASIN -TYPE 16 WITH MODIFIED BOX (NO. 1)	2	EA	\$ 8,590.00	\$ 17,180.00	\$ 6,500.00	\$ 13,000.00
7191625	CATCH BASIN -TYPE 17	22	EA	\$ 6,485.00	\$ 142,670.00	\$ 4,476.50	\$ 98,483.00
7191631	CATCH BASIN -TYPE 17 WITH MODIFIED BOX (NO.1)	5	EA	\$ 7,260.00	\$ 36,300.00	\$ 6,500.00	\$ 32,500.00
7191632	CATCH BASIN -TYPE 17 WITH MODIFIED BOX (NO.2)	1	EA	\$ 8,080.00	\$ 8,080.00	\$ 6,500.00	\$ 6,500.00
7191633	CATCH BASIN -TYPE 17 WITH MODIFIED BOX (NO.3)	2	EA	\$ 8,010.00	\$ 16,020.00	\$ 6,500.00	\$ 13,000.00
7191650	CATCH BASIN -TYPE 18	8	EA	\$ 8,350.00	\$ 66,800.00	\$ 5,431.50	\$ 43,452.00
7192010	DROP INLET (24" X 24")	17	EA	\$ 2,073.00	\$ 35,241.00	\$ 2,082.00	\$ 35,394.00
7192020	DROP INLET (24" X 36")	32	EA	\$ 2,580.00	\$ 82,560.00	\$ 2,129.00	\$ 68,128.00
7192105	MANHOLE	31	EA	\$ 3,170.00	\$ 98,270.00	\$ 2,837.00	\$ 87,947.00

BEAUFORT COUNTY ENGINEERING DIVISION

ENGINEER'S OPINION OF COST-US 21 BUSINESS/BOUNDARY STREET IMPROVEMENTS FROM NEIL TO GREENLAWN INCLUDING FIRST ST (PARALLEL RD)

ITEM	DESCRIPTION	QUANTITY	UNITS	Preferred Materials, Inc.		Engineer's Opinion	
				UNIT PRICE	PRICE	UNIT PRICE	PRICE
7192107	MANHOLE WITH STANDARD 4' X 4' BOX	2	EA	\$ 3,640.00	\$ 7,280.00	\$ 5,500.00	\$ 11,000.00
7192108	MANHOLE WITH STANDARD 5' X 5' BOX	4	EA	\$ 3,640.00	\$ 14,560.00	\$ 5,994.50	\$ 23,978.00
7192260	48" X 48" JUNCTION BOX	3	EA	\$ 3,355.00	\$ 10,065.00	\$ 4,587.00	\$ 13,761.00
7195551	MANUFACTURED STORMWATER TREATMENT DEVICE (MTD) TYPE I	5	EA	\$ 57,770.00	\$ 288,850.00	\$ 61,820.00	\$ 309,100.00
7196000	EXTRA DEPTH OF BOX	32	LF	\$ 256.00	\$ 8,192.00	\$ 326.00	\$ 10,432.00
7197110	ADJUST CATCH BASIN	5	EA	\$ 3,085.00	\$ 15,425.00	\$ 2,322.00	\$ 11,610.00
7198292	CATCH BASIN T-17 (CONVERT CB, TYPE 6)	7	EA	\$ 5,215.00	\$ 36,505.00	\$ 3,715.00	\$ 26,005.00
7198420	MANHOLE-CONVERT D.I. 24" X 36"	4	EA	\$ 4,475.00	\$ 17,900.00	\$ 2,614.50	\$ 10,458.00
7198495	MANHOLE-CONVERT CATCH BASIN	6	EA	\$ 4,751.00	\$ 28,506.00	\$ 2,336.00	\$ 14,016.00
7201000	CONCRETE CURB (9" X 15")	15700	LF	\$ 22.66	\$ 355,762.00	\$ 17.01	\$ 266,978.50
7201001	CONCRETE HEADER CURB (SPECIAL DETAIL)	2200	LF	\$ 26.78	\$ 58,916.00	\$ 21.30	\$ 46,860.00
7203110	CONC CURB & GUTTER (1'-6") VERT.	13225	LF	\$ 22.66	\$ 299,678.50	\$ 19.17	\$ 253,523.25
7203120	CONC. C & G (1'-6") SLOPING	800	LF	\$ 22.66	\$ 18,128.00	\$ 19.17	\$ 15,336.00
7204100	CONCRETE SIDEWALK (4" UNIFORM)	10745	SY	\$ 49.44	\$ 531,232.80	\$ 41.54	\$ 446,293.58
7204900	DETECTABLE WARNING MATERIAL	913	SF	\$ 61.80	\$ 56,423.40	\$ 33.17	\$ 30,284.21
7205000	CONCRETE DRIVEWAY (6" UNIFORM)	3750	SY	\$ 70.04	\$ 262,650.00	\$ 57.51	\$ 215,662.50
7206000	CONCRETE MEDIAN	405	SY	\$ 70.04	\$ 28,366.20	\$ 57.51	\$ 23,291.55
7207000	CONCRETE FLUME	2	EA	\$ 824.00	\$ 1,648.00	\$ 426.00	\$ 852.00
7209000	PEDESTRIAN RAMP CONSTRUCTION	1825	SY	\$ 195.70	\$ 357,152.50	\$ 140.58	\$ 256,558.50
7209100	SURFACE APPLIED DETECTABLE WARNING	40	SF	\$ 51.50	\$ 2,060.00	\$ 26.21	\$ 1,048.40
8020100	PLANTED MEDIAN SUBSURFACE DRAINAGE	4455	SY	\$ 72.93	\$ 324,903.15	\$ 69.38	\$ 309,065.63
8021204	4" PERFORATED PIPE UNDERDRAIN	352	LF	\$ 38.10	\$ 13,411.20	\$ 30.75	\$ 10,822.24
8041020	RIP-RAP (CLASS B)	60	TON	\$ 101.28	\$ 6,076.80	\$ 112.16	\$ 6,729.30
8048200	GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP (CLASS 2) TYPE A	60	SY	\$ 4.51	\$ 270.60	\$ 7.71	\$ 462.60
8068142	ORNAMENTAL STEEL PICKET FENCE. 42"	290	LF	\$ 51.50	\$ 14,935.00	\$ 50.50	\$ 14,645.00
8071000	RESET FENCE	661	LF	\$ 15.45	\$ 10,212.45	\$ 23.88	\$ 15,781.38
8080000	MOVING ITEMS	NEC	LS	\$ 92,700.00	\$ 92,700.00	\$ 90,350.00	\$ 90,350.00
8090050	RIGHT OF WAY REPORT	NEC	LS	\$ 515.00	\$ 515.00	\$ 5,757.50	\$ 5,757.50
8091010	RIGHT OF WAY MARKER (REBAR&CAP)	218	EA	\$ 56.65	\$ 12,349.70	\$ 72.15	\$ 15,728.70
8091050	RIGHT OF WAY PLAT	NEC	LS	\$ 9,373.00	\$ 9,373.00	\$ 9,846.50	\$ 9,846.50
8100100	PERMANENT COVER	3.35	ACRE	\$ 1,854.00	\$ 6,210.90	\$ 1,477.00	\$ 4,947.95
8100200	TEMPORARY COVER	1.675	ACRE	\$ 1,236.00	\$ 2,070.30	\$ 1,030.50	\$ 1,726.09
8104005	FERTILIZER (NITROGEN)	335	LB	\$ 3.09	\$ 1,035.15	\$ 2.07	\$ 693.45
8104010	FERTILIZER (PHOSPHORIC ACID)	335	LB	\$ 3.09	\$ 1,035.15	\$ 2.07	\$ 693.45
8104015	FERTILIZER (POTASH)	335	LB	\$ 3.09	\$ 1,035.15	\$ 2.07	\$ 693.45
8105005	AGRICULTURAL GRANULAR LIME	6700	LB	\$ 0.41	\$ 2,747.00	\$ 0.28	\$ 1,876.00
8109001	SOIL TEST	3	EA	\$ 103.00	\$ 309.00	\$ 120.50	\$ 361.50
8109050	SELECTIVE WATERING	72370	GAL	\$ 0.13	\$ 9,408.10	\$ 0.10	\$ 7,237.00
8109901	MOWING	9.05	ACRE	\$ 257.50	\$ 2,330.38	\$ 197.75	\$ 1,789.64
8110220	DOUBLE-SHREDDED HARDWOOD MULCH	21150	SF	\$ 0.67	\$ 14,170.50	\$ 0.39	\$ 8,142.75
8112000	5.0 ONCE WEED FABIC	32475	SF	\$ 0.26	\$ 8,443.50	\$ 0.25	\$ 7,956.38
8110003	LANDSCAPING ITEM NO.1	176	EA	\$ 419.21	\$ 73,780.96	\$ 570.50	\$ 100,408.00
8110003	LANDSCAPING ITEM NO.2	53	EA	\$ 339.90	\$ 18,014.70	\$ 337.00	\$ 17,861.00
8110003	LANDSCAPING ITEM NO.3	79	EA	\$ 37.08	\$ 2,929.32	\$ 23.25	\$ 1,836.75
8110003	LANDSCAPING ITEM NO.4	215	EA	\$ 45.32	\$ 9,743.80	\$ 27.03	\$ 5,810.38
8110003	LANDSCAPING ITEM NO.5	2171	EA	\$ 5.90	\$ 12,808.90	\$ 5.98	\$ 12,971.73
8110003	LANDSCAPING ITEM NO.6	5778	EA	\$ 5.90	\$ 34,090.20	\$ 5.23	\$ 30,218.94
8110003	LANDSCAPING ITEM NO.7	292	EA	\$ 15.60	\$ 4,555.20	\$ 26.20	\$ 7,648.94
8110003	LANDSCAPING ITEM NO.8	462	EA	\$ 5.90	\$ 2,725.80	\$ 9.11	\$ 4,206.51
8110003	LANDSCAPING ITEM NO.9	10739	EA	\$ 6.03	\$ 64,756.17	\$ 5.19	\$ 55,681.72
8115500	TREE WATERING BAG SYSTEM	282	EA	\$ 487.19	\$ 137,387.58	\$ 34.34	\$ 9,682.47

BEAUFORT COUNTY ENGINEERING DIVISION

ENGINEER'S OPINION OF COST-US 21 BUSINESS/BOUNDARY STREET IMPROVEMENTS FROM NEIL TO GREENLAWN INCLUDING FIRST ST (PARALLEL RD)

ITEM	DESCRIPTION	QUANTITY	UNITS	Preferred Materials, Inc.		Engineer's Opinion	
				UNIT PRICE	PRICE	UNIT PRICE	PRICE
8151112	TEMPORARY EROSION CONTROL BLANKET (CLASS B)	0.056	MSY	\$ 2,575.00	\$ 144.20	\$ 1,947.50	\$ 109.06
8151201	HYDRAULIC EROSION CONTROL PRODUCT (HECP) - TYPE 1	3.35	ACRE	\$ 515.00	\$ 1,725.25	\$ 515	\$ 1,725.25
8152004	INLET STRUCTURE FILTER - TYPE F (WEIGHTED)	1342	LF	\$ 10.21	\$ 13,701.82	\$ 13.19	\$ 17,700.98
8152006	INLET STRUCTURE FILTER- TYPE F (NON-WEIGHTED)	1128	LF	\$ 9.55	\$ 10,772.40	\$ 8.93	\$ 10,067.40
8152007	SEDIMENT TUBES FOR DITCH CHECKS	182	LF	\$ 8.08	\$ 1,470.56	\$ 8.93	\$ 1,624.35
8153000	SILT FENCE	14304	LF	\$ 2.01	\$ 28,751.04	\$ 2.53	\$ 36,189.12
8153090	REPLACE/REPAIR SILT FENCE	1431	LF	\$ 2.47	\$ 3,534.57	\$ 4.26	\$ 6,096.06
8154000	SILT BASINS	103	CY	\$ 22.51	\$ 2,318.53	\$ 20.47	\$ 2,107.90
8154010	CLEANING SILT BASINS	375	CY	\$ 21.53	\$ 8,073.75	\$ 26.34	\$ 9,875.63
8154050	REMOVAL OF SILT RETAINED BY SILT FENCE	3871	LF	\$ 3.07	\$ 11,883.97	\$ 4.56	\$ 17,632.41
8156210	INLET STRUCTURE FILTER - TYPE B	49	EA	\$ 420.00	\$ 20,580.00	\$ 172.84	\$ 8,468.92
8156300	SEDIMENT DAM RIPRAP	232	TON	\$ 101.56	\$ 23,561.92	\$ 109.93	\$ 25,502.60
8156405	AGGREGATE NO.5 FOR EROSION CONTROL (6" UNIFORM)	46	SY	\$ 30.12	\$ 1,385.52	\$ 35.35	\$ 1,626.10
8156490	STABILIZED CONSTRUCTION ENTRANCE	2300	SY	\$ 22.88	\$ 52,624.00	\$ 24.47	\$ 56,269.50
XXXXXXXX	MEDIAN BIO SWALE	815	SY	\$ 133.00	\$ 108,395.00	\$ 100.00	\$ 81,500.00
B990097	UTILITY DUCT BANK SYSTEM	14350	LF	\$ 191.58	\$ 2,749,173.00	\$ 237.50	\$ 3,408,125.00
8990393	PERMEABLE INTERLOCKING CONCRETE PAVERS	372	SF	\$ 15.45	\$ 5,747.40	\$ 18.75	\$ 6,975.00
9510900	AS-BUILD CONSTRUCTION PLANS	1	LS	\$ 22,660.00	\$ 22,660.00	\$ 34,530.00	\$ 34,530.00
	PROJECT SUBTOTAL COST				\$ 18,765,274.84		\$ 20,094,355.97

This is an accurate Abstract of Bid submitted July 7, 2015.

To the best of my knowledge, information and belief, this bid tabulation is any accurate summary of the bid received on July 7, 2015.


 Project Manager - Reviewer


 Certified by Doyle D. Kelley, Jr., P.E.
 FE Registration # 19083 / Thomas & Hutton

DISADVANTAGED BUSINESS ENTERPRISES (DBE)
COMMITAL SHEET

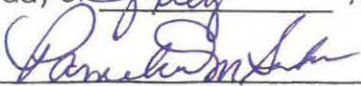
Information must be shown on this sheet as required by the supplemental specifications entitled "Instructions to Bidders - Federal Projects" and "Disadvantaged Business Enterprises (DBE) - Federal Projects" included in this proposal.

FAILURE TO PROVIDE ALL INFORMATION REQUIRED ON THIS FORM MAY RESULT IN THE AWARD BEING MADE TO THE NEXT LOWEST RESPONSIBLE BIDDER.

1 Name & Address of DBE's (Subcontractor or Supplier)	2 Percent †	3 Description of Work and Approximate Quantity 6 (show percent when appropriate)				5 Dollar Value
		Item	Qty.	Unit	4 Unit Price	
W. M. ROEBUCK, INC 4850 FISH HATCHERY RD LEXINGTON, SC 29073	14.90	See attached				2,796,342 ⁰⁰

- 1 The designation of Firm A and/or B is not considered acceptable. I hereby certify that this company has communicated with and received quotes from the DBE's listed above and that they are willing to perform the work as listed above and that this company is committed to utilizing the above firm(s) on this contract.
- 2 Percent - show percent of total contract amount committed to each DBE listed.
- 3 All information requested must be included unless item is listed in proposal on a lump sum basis.
- 4 Unit Price - show unit price quoted by DBE.
- 5 Dollar Value - extended amount based on Quantity and Unit Price.
- 6 Applies to lump sum items only.

This form may be reproduced or additional sheets added in order to provide all requested information. (See Instructions to Bidders - Federal Projects).

SWORN to before me 7th
day of July, 2015
 (Seal)
Notary Public PAMELIA M. SAHR
My Notary Public Office is in Chatham County GA
My Commission Expires April 18, 2017

Preferred Materials, Inc.
Company
By: 
Title: Authorized Employee



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

TO: Councilman Gerald Dawson, Chairman, Public Facilities Committee

VIA: Gary Kubic, County Administrator *GKUBIC*
 William Prokop, City Manager *WP*
 Josh Gruber, Deputy County Administrator *JG*
 Alicia Holland, Assistant County Administrator for Finance *AH*
 Kathy Todd, City Finance Director *KMT*

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

SUBJ: **Boundary Street Redevelopment Construction Management & Construction Engineering Inspection Services RFP # 053015E**

DATE: August 25, 2015

BACKGROUND. Beaufort County issued a Request for Proposals from qualified firms to provide CM/CEI Services for the Boundary Street Redevelopment as part of the TIGER Grant/County 1% Sales Tax project. The following two firms submitted qualifications and proposals on June 2, 2015 for this work.

	<u>Proposal Amount</u>
Infrastructure Consulting & Engineering (ICE), 26 John Gault Road, Beaufort, SC	\$1,968,800
RY Design Services, LLC, North Augusta, SC	\$ 150,000

The qualifications-based selection process for professional services differs from a typical proposal, in that the proposers detail their qualifications and outline how they would accomplish the project within a specified budget amount. In this regard, proposals are reviewed on the basis of the qualifications and proposal scope rather than on the lowest price. A selection committee consisting of the City Manager, City Finance Director, City Senior CIP Manager, County Division Director of Construction Engineering & Facilities, and SCDOT Project Engineer reviewed and evaluated the proposals.

As a result of the proposal evaluations, the selection committee chose ICE as the proposer providing the most qualified CM/CEI services approach for this project. ICE has in-depth knowledge of roadway construction and extensive experience with SCDOT projects and project requirements. ICE has provided CM/CEI services for numerous projects across the state as well as the widening of US 278 and SC 170 in Beaufort County. Also, ICE is currently an SCDOT on call CM/CEI consultant.

SMB OUTREACH PLAN. This solicitation sought proposals only and did not require proposers to seek quotes from potential local small and minority subcontractors.

On the basis of the qualification of the firm and the value offered, the selection committee recommends award of the CM/CEI Services for Boundary Street Redevelopment to ICE in the amount of \$1,968,800.

AH **FUNDING.** Please see the attached August 20, 2015 Boundary Street/Parallel Road Funding Financial Worksheet.

ACTION. Public Facilities Committee Meeting on August 31, 2015.

RECOMMENDATION. The Public Facilities Committee approve and recommend to County Council approval of a contract award to ICE for CM/CEI Service for the Boundary Street Redevelopment project for a total contract amount of \$1,968,800.

JRM/mjh

- Attachments: 1) 8/20/15 Boundary Street/Parallel Road Funding Financial Worksheet
 2) ICE Price Proposal & Certification

cc: Monica Spells, Assistant County Administrator for Civic Engagement *Spells*
 Dave Thomas, Purchasing Director *DT*

BOUNDARY STREET AND PARALLEL ROAD
 FUNDING BY SOURCE COMPARED TO PROJECT BUDGET
 AS OF AUGUST 20, 2015

	Original Budget 2012	Budget Amended as of June 30, 2015	Budget Amended as of August 20, 2015
<u>Funding Sources</u>			
Federal Grant	\$ 12,635,000	\$ 12,635,000	\$ 12,635,000
Beaufort County Sales Tax Fund	11,346,115	11,346,115	11,346,115
Beaufort County Road Impact Fees	300,000	300,000	1,369,243
City of Beaufort TIF II	2,912,695	6,964,853	8,223,000
Total Funding Sources	<u>\$ 27,193,810</u>	<u>\$ 31,245,968</u>	<u>\$ 33,573,358</u>
 <u>Project Budget</u>			
<u>BOUNDARY STREET</u>			
SC 170 Realignment			
ROW	\$ 500,000	\$ 423,949	\$ 423,949
Construction	3,500,000	-	-
Multi Use Path			
ROW	200,000	376,120	376,120
Construction	900,000	-	-
Multiway Boulevard			
ROW	3,000,000	2,750,439	2,750,125
Construction	9,297,000	14,665,275	14,665,275
Duct Bank	2,900,000	-	-
Pre-Grant Expenditures	1,700,695	1,700,695	1,700,695
Engineering and other costs	-	-	1,230,045
Construction, Engineering and Inspection (CEI)	1,200,000	1,200,000	1,968,800
Contingency for Utilities	-	2,300,000	2,300,000
Project Contingency	-	1,242,780	1,637,139
Boundary Street subtotal	<u>23,197,695</u>	<u>24,659,258</u>	<u>27,052,148</u>
 <u>PARALLEL ROAD</u>			
ROW	1,300,000	1,340,595	1,167,766
Construction	1,500,000	4,100,000	4,100,000
Pre-Grant Expenditures	746,115	746,115	746,115
Project Contingency	-	400,000	500,000
Engineering and other costs	-	-	7,329
Duct Bank	450,000	-	-
Parallel Road subtotal	<u>3,996,115</u>	<u>6,586,710</u>	<u>6,521,210</u>
Total Project Budget	<u>\$ 27,193,810</u>	<u>\$ 31,245,968</u>	<u>\$ 33,573,358</u>

RFP NO. 053015E

EXHIBIT A

PAGE 1 of 3

PRICE PROPOSAL AND CERTIFICATION

The undersigned Infrastructure Consulting & Engineering, PLLC,
(Name of Offeror), having carefully examined the information

contained in the Beaufort County RFP Number # 053015E dated June 2, 2015, proposes to provide road, roadway inspection and project management services to Beaufort County Government, as outlined in this proposal, at the price and project time specified below:

Price: \$1,968,800.35

In compliance with the Request for Proposal # 053015E, and subject to all conditions thereof, the undersigned agrees:

- (a) This quote, as stated, is open for acceptance for a period of 90 calendar days from the date of opening; and
- (b) To furnish all services, materials, and equipment necessary and incidental to perform the subject audits.

CERTIFICATION

CONTRACTOR

HAS A FEDERAL AGENCY OR A FEDERALLY CERTIFIED STATE OR LOCAL AGENCY PERFORMED ANY REVIEW OF YOUR ACCOUNTS OR RECORDS IN CONNECTION WITH ANY GRANT OR CONTRACT WITHIN ANY GRANT OR CONTRACT WITHIN THE PAST TWELVE MONTHS?

YES

NO

(IF "YES" GIVE NAME, ADDRESS, AND TELEPHONE NUMBER OF REVIEWING OFFICE.)

RFP NO. 053015E

EXHIBIT A

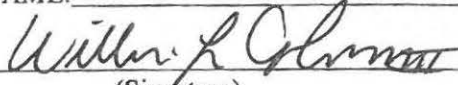
PAGE 2 of 3

This proposal is submitted for use in connection with and in response to Beaufort County RFP # 053015E. This is to certify, to the best of my knowledge and belief, that the cost and pricing data summarized herein are complete, current, and accurate as of June 2, 2015, and that a financial accounting capability exists to fully and accurately account for the financial transactions under this project. I further certify that I understand that the sub-agreement price may be subject to downward renegotiation and/or recoupment where the above cost and pricing data have been determined, as a result of audit, not to have been complete, current, and accurate as of the date above.

This cost proposal is made without prior understanding, agreement, or connections with any corporation, firm, or person submitting a proposal for the same service and is in all respect fair and without collusion or fraud. I agree to abide by all conditions of this proposal and certify that I am authorized to sign this proposal.

Signature of Offeror's Representative authorized to enter into contract with Beaufort County Council:

FIRM NAME: Infrastructure Consulting & Engineering, PLLC

BY:  DATE: June 2, 2015
(Signature)

TYPE/PRINT: William L Coleman, III, P.E. COO/ Executive Vice President
(Name) (Title)

ADDRESS: 1691 Turnbull Ave
(Street Address and/or P. O. Box Number)

North Charleston SC 29405
(City) (State) (Zip Code)

PHONE: (843) 266-3581 (843) 200-6196
(Area Code) Phone Number (Area Code) Phone Number

FEDERAL ID#: 45-3175330 S.C. TAX #: N/A

RFP NO. 053015E

EXHIBIT A

PAGE 3 of 3

IS YOUR FIRM:	1. SOLE PROPRIETORSHIP	<u> </u> YES	<u> </u> NO
	2. PARTNERSHIP	<u> X </u> YES	<u> </u> NO
	3. CORPORATION	<u> </u> YES	<u> </u> NO

IF COMPANY IS A SOLE PROPRIETORSHIP, LIST THE OWNER=S FULL LEGAL NAME:

IF COMPANY IS A PARTNERSHIP, LIST THE PARTNERS= FULL LEGAL NAMES:

Elham Farzam

William L. Coleman, III

Peter Graf

IF COMPANY IS A CORPORATION, LIST THE FULL LEGAL NAME, AS LISTED ON THE CORPORATE CHARTER:

IS THIS FIRM A MINORITY, OR WOMAN-OWNED BUSINESS ENTERPRISE?

 YES X NO IF YES, SPECIFY: MBE WBE

HAS THIS FIRM BEEN CERTIFIED AS A MINORITY/WOMAN-OWNED BUSINESS ENTERPRISE BY ANY GOVERNMENTAL AGENCY? YES X NO

IF YES, SPECIFY GOVERNMENTAL AGENCY: _____

DATE OF CERTIFICATION: _____

Certification regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion:

The contractor certifies, by submission of this qualification statement or acceptance of a contract, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any State, Federal department, or agency. It further agrees by submitting this qualification statement that it will include this clause without modification in all lower tier transactions, solicitations, proposals, contracts, and subcontracts. Where the bidder/contractor or any lower tier participant is unable to certify to this statement, it shall attach an explanation to this solicitation/bid. State whether or not your company has been involved in any litigation within the past five (5) years, arising out of your performance. Circle Yes or No. If you answer yes, explain fully if it has been involved in any litigation involving performance.

Man-Hour Estimated Costs

Position:	Hrs/Wk:	Weeks:	Rate:	Totals:
Project Manager (O)	5	104	\$67.00	\$34,840.00
CEI Manager (F)	40	104	\$62.00	\$257,920.00
Lead Inspector (F)	45	104	\$29.00	\$135,720.00
Senior Inspector (F)	45	87	\$27.00	\$105,705.00
Inspector (F)	45	15	\$25.00	\$16,875.00
Engineering Support (O)	2	52	\$55.00	\$5,720.00
CPM Schedule Review (O)	1	104	\$53.00	\$5,512.00
Survey Manager (PLS) (O)	2	104	\$51.00	\$10,608.00
Surveying Support (2-man crew) (F)	4	96	\$63.50	\$24,384.00
Utility Coordination (O)	2	26	\$54.00	\$2,808.00
Document Control (F)	40	104	\$22.00	\$91,520.00
(F) - Field Labor / (O) - Office Labor				\$691,612.00

Direct Costs

Item:	Quantity:	Months:	Cost:	Totals:
Internet Cards	3	24	\$75.00	\$5,400.00
Vehicle	3	24	\$975.00	\$70,200.00
Mileage (For Survey & Support)	1080	24	\$0.55	\$14,256.00
Lodging	2	24	\$1,300.00	\$62,400.00
Field Office (Furnished w/ services)	1	24	\$2,250.00	\$54,000.00
Nuclear Gauge	1	24	\$275.00	\$6,600.00
*Misc. Equipment (Office & Field)	1	24	\$200.00	\$4,800.00
				\$217,656.00

* Misc. Equipment - May include office items, measuring tapes, scales, paint, safety equipment, shovels, manuals, additional material testing supplies, etc.

Additional Contract Requirements

Laboratory / Testing Allowance (back-up list to be provided) **\$25,000.00**

Total Estimated Cost	Total Labor:	\$691,612.00
	Field Labor:	\$632,124.00
	Field OH (123%):	\$777,512.52
	Office Labor:	\$59,488.00
	Office OH (163%):	\$96,965.44
	Labor + Overhead:	\$1,566,089.96
	Profit (10%):	\$156,609.00
	FCC (.22%):	\$3,445.40
	Direct Expenses:	\$242,656.00
	Total Estimated Cost:	\$1,968,800.35

ADD-ONS

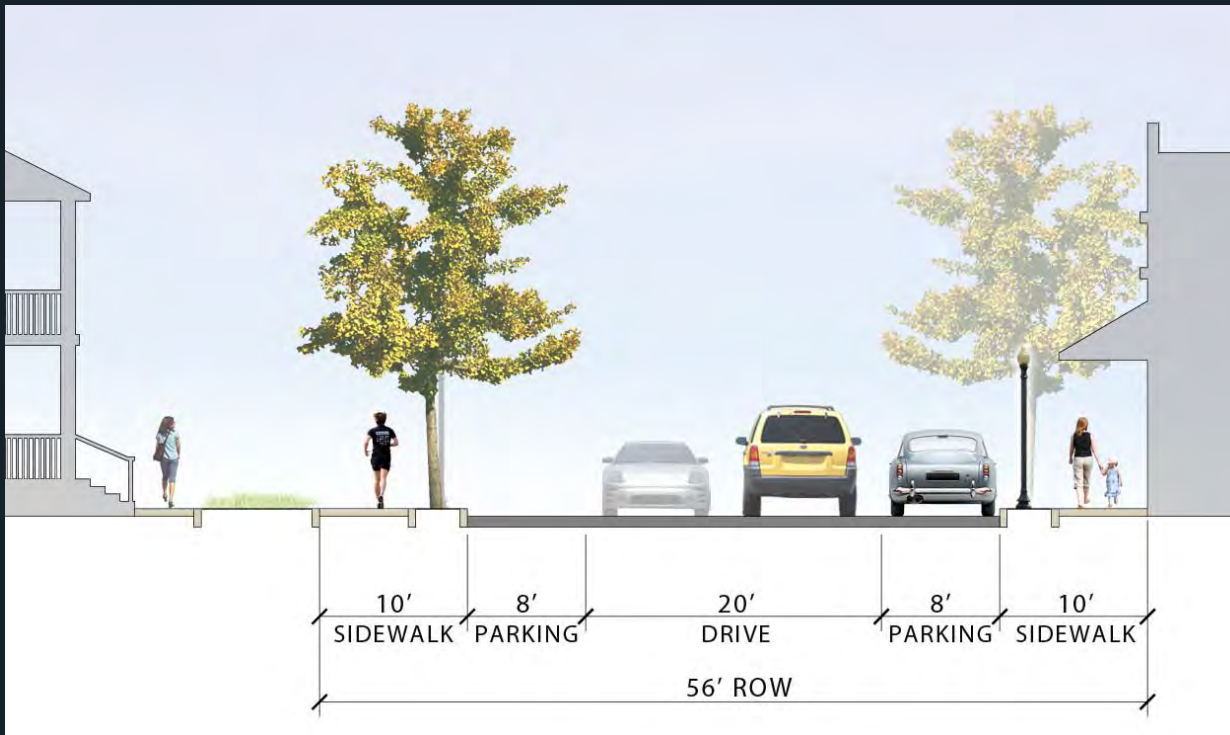
The document(s) herein were provided to Council for information and/or discussion after release of the official agenda and backup items.

Topic: Boundary Street Project / Parallel Street / Future Vision
Date Submitted: August 31, 2015
Submitted By: Rob McFee
Venue: Public Facilities Committee



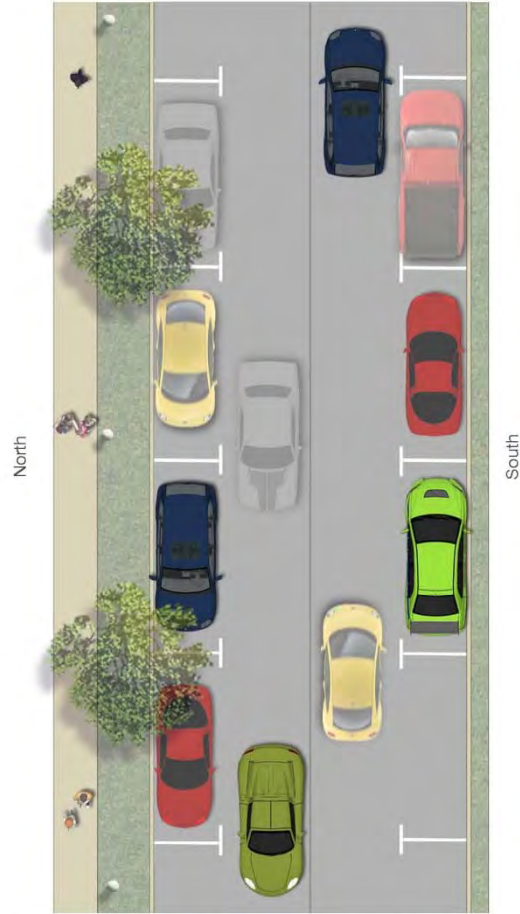
Parallel Street – Future Vision

- Street Trees, Lighting, Underground Wires and Sidewalks
- On-street Parking
- Mixed-Use Buildings – Residential Scale





Parallel Street – Boundary to Westview



Sidewalk Planting Parallel Travel Travel Parallel
Strip Parking Lane Lane Parking

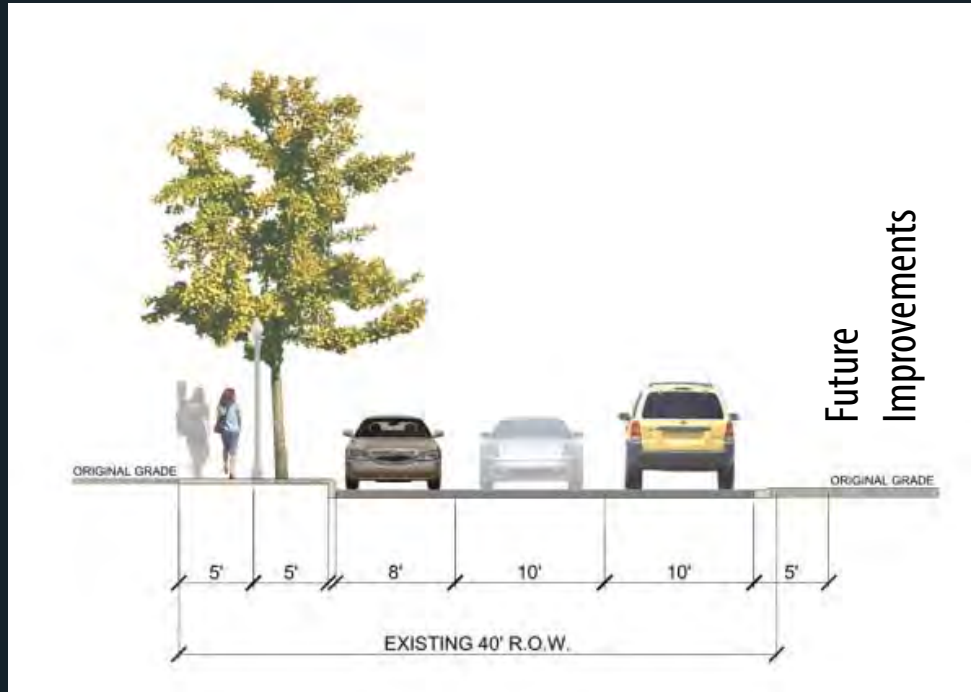




Parallel Street – Westview to Hogarth



Sidewalk Planting Strip Parallel Parking Travel Lane Travel Lane Grass Swale



Rob McFee
August 31, 2015
Public Facilities Committee

Topic: Boundary Street Corridor Improvement Plan / Questions and Answers
Date Submitted: August 31, 2015
Submitted By: Billy Keyserliing
Venue: Public Facilities Committee



Schedule & Frequently Asked Questions

Boundary Street Corridor Improvement Plan

*City of Beaufort in partnership with Beaufort County,
S.C. DOT and the Federal Highway Administration*

Schedule

Award of Construction Contract	September 2015
Construction Start	October 2015
Duct Bank Installation	October 2016
Project Completion	October 2017

FAQ's

1. What is the Boundary Street Redevelopment Corridor project, and why is it needed?
2. Where will the work take place?
3. When will work start, and how long will it take?
4. What kind of traffic problems and delays should we expect?
5. Will Boundary Street be two lanes? How will the design of Boundary Street be changed?
6. What will be the speed limits of Boundary Street and the Parallel Road?
7. Isn't the landscaped median a waste of space that could be used for more lanes of traffic?
8. What is the need for a parallel street and improvements to Polk Street? Will the parallel street continue past Hogarth Street?
9. How will the new Boundary Street design affect truck and emergency vehicles?
10. Are there any economic benefits expected from this project, especially to the businesses along Boundary Street?
11. Will businesses be allowed to have special signage during construction?
12. Where's the money coming from for this project?

13. Are there any environmental impacts to the construction or overall design?
14. What are the plans for traffic signals and new intersections?
15. Are roundabouts, also called traffic circles, still part of the plan?
16. Will all the overhead utility lines be put underground as part of this project?
17. Will a road connect the back end of Pickpocket Plantation and Beaufort Plaza?
18. What about the properties on the south side of Boundary Street, such as Wendy's?
19. Will Disadvantaged Business Enterprises be included in the construction work?

1. What is the Boundary Street Redevelopment Corridor project, and why is it needed?

Building a better Beaufort is the goal of a \$30 million investment in Boundary Street to create a safer and more scenic entry to the city, provide better commercial and retail locations, and improve traffic conditions.

A financial impact analysis indicates the local economy will see \$5 in benefits for every \$1 invested in the Boundary Street Redevelopment District.

The project includes:

- Realigning the intersection of SC 170 and Boundary Street to make it safer and to help traffic flow more smoothly
- Retrofitting, re-investing and redeveloping neglected areas of the corridor
- Creating commercial/retail nodes
- Providing alternate ways for people to reach commercial/retail including bike and walking paths, improving efficiency
- And expanding the Spanish Moss Trail in partnership with Beaufort County.

The work is part of a larger effort to reconfigure Beaufort from near the Marine Corps Air Station to annexed areas of Lady's Island, creating a unified and connected neighborhood designed for people, not just cars.

2. What areas of Boundary Street will be affected?

The streetscape project will go from Neil Road to Greenlawn Drive. The utility work will extend to Ribaut Road. There will be no work done east of Ribaut Road.

The streetscape for the area between Greenlawn Drive and Ribaut Road will be done in the future when the City can secure funding.

3. When will work start, and how long will it take?

The current schedule, subject to change, anticipates construction starting October 2015. The entire project, approximately 1 mile including side road improvements, is expected to be substantially complete by fall of 2017.

4. What kind of traffic problems and delays should we expect?

Lane closures will only be permitted at night on Monday-Saturday, and anytime on Sunday. At all other times, all four lanes of traffic must remain open. To minimize impact on businesses along the construction path, it will be a priority for contractors to maintain access to driveways and store entrances throughout the project.

Project management will work to keep traffic disruptions to a minimum throughout this project, but some delays are inevitable. For daily updates, visit www.boundarystreetupdate.com. Local media will be asked to share regular updates and announcements about lane closures or traffic pattern changes.

During peak construction, it would be wise to anticipate slowdowns and add appropriate time to your trip through the affected section of Boundary Street.

5. Will Boundary Street be reduced to two lanes? How will the design of Boundary Street be changed?

No. Boundary Street will remain as a four lane road.

Currently, US 21/Boundary Street consists of two 12-foot travel lanes in each direction separated by a single 15-foot two-way left turn lane. The roadway serves approximately 40,000 vehicles per day.

The updated and improved US 21/Boundary Street will consist of two 11-foot travel lanes in each direction separated by a 17-foot raised landscaped median with a sidewalk on the north shoulder and 10-foot multi-use path on the south shoulder. Left-turn lanes and left-turn signals will be provided at signalized intersections to provide for safe left-turn access.

6. What will be the speed limits on Boundary Street and the Parallel Road?

Initially, Boundary Street will be 40 miles per hour and the Parallel Road will be 20 mph. These are subject to further review by SCDOT.

7. Isn't the landscaped median a waste of space that could be used for more lanes of traffic?

No. These have been proven to reduce fatal collisions and create safer roadways overall.

Numerous studies have shown roadways with divided medians to be significantly safer than roadways with center turn lanes. Publications such as the Highway Safety Manual (American Association of State and Highway Transportation Officials) and the Access Management Manual (Transportation Research Board) cover these safety benefits in depth.

The median breaks are located to utilize the existing and proposed street network and parallel streets to form a complete network of interconnected blocks and streets. This plan is designed to improve traffic flow from Boundary Street to the various street alternatives.

Improving safety is a key point for this project. Adding the landscaped medians will make Boundary Street safer for drivers and pedestrians. A side benefit is it creates a more visually pleasing entrance to the 300-plus year old City of Beaufort and its National Historic Landmark District.

Landscaping will be designed to minimize maintenance costs.

8. What is the need for a parallel street and improvements on Polk Street? Will the parallel street continue past Hogarth Street?

The parallel road will increase access to businesses and residents, provide alternative road choices to reduce congestion on Boundary Street, provide alternative accesses for emergency vehicles. It is envisioned to continue the entire length of Boundary Street as properties develop and funding becomes available.

A key vision for the Boundary Street Corridor is a network of walkable routes to be built north of Boundary Street. A two-lane parallel street system with parking and sidewalks on both sides will provide access to businesses and allow local traffic to circulate without using Boundary Street. This will make it easier for people to reach their shopping destinations, make it safer to use Boundary Street without so many sudden stops to turn into driveways, and make it more business-friendly.

The parallel street design was developed based on the original Beaufort Master Plan. It is a commonly-used approach to helping businesses thrive along busy multi-lane streets. The main parallel road in this project is approximately 0.4 miles long and improves upon the existing Polk Street.

Along wider sections of Polk, there will be parallel parking on both sides of the street, narrowing to parking on only one side (the northern side) as the road moves closer to Ribaut Road. Sidewalks will be built.

9. How will the new Boundary Street design affect truck and emergency vehicles?

The new design will improve access for these large vehicles.

In February 2012, a video classification of traffic was conducted and found that 98 percent of vehicles traveling the Boundary Street Corridor were passenger vehicles, 1.5 percent were single unit trucks, and less than one percent were combination tractor-trailers. The improvements for Boundary Street and SC 170 are designed to accommodate single unit trucks and intermediate tractor trailers.

Concerns about emergency vehicle access and disaster evacuation have been expressed and considered throughout the entire process (2006 Boundary Street Master Plan, the 2009 Feasibility Study, and design process).

The Beaufort County Emergency Management Department was actively involved in the 2009 Feasibility Study. Periodic breaks in landscaping will allow for median crossings by emergency vehicles. Also, emergency responders will develop emergency response plans that take into account the geometry of the improved road.

Traffic signals will include an emergency vehicle pre-emption system to improve response times, reduce potential for crashes and minimize obstructions to emergency vehicles along the corridor. This system coordinates green lights for responding emergency vehicles. Opposing and conflicting traffic lanes are given red lights.

In addition to these design features, the parallel road and system of gridded streets will be useful for emergency vehicle access. Also, the raised median doesn't preclude the use of all four lanes for outbound traffic in times of evacuation.

10. What are the economic benefits expected from this project, especially to the businesses along Boundary Street?

The economic benefits are significant. Analysts expect a 5:1 benefit, so for every \$1 invested in the project, a \$5 return is expected.

The anticipated economic benefits to business owners along the improved section of Boundary Street include:

- Safer access to their businesses, making their location more appealing to drivers
- Smoother traffic flow at key intersections
- A more attractive and landscaped roadway which improves the likelihood of shoppers choosing to visit the Boundary Street shops and restaurants
- Removal of overhead utility lines will make it safer for drivers to enter and exit businesses and will make the area much more visually attractive

11. Will businesses be allowed to have special signage during construction?

Yes. We are planning to develop a temporary signage plan for businesses during construction. This will take place after the construction contract has been awarded. In addition, business are being allowed to relocate their existing signs, even if they do not conform to the guidelines of our ordinance.

12. Where's the money coming from for this project?

The Boundary Street Redevelopment Corridor project budget is funded through three sources:

a) A Federal Highway Administration grant of	\$12,635,000
b) The Beaufort County 1% sales tax of	\$11,346,115
c) The Beaufort County Road Impact Fees	\$1,369,243
d) City of Beaufort's TIF II contribution of about	\$8,223,000

Total project budget (including undergrounding of utilities) = \$33,573,358

The Boundary Street Redevelopment Corridor plans caught eyes at the federal level in 2011 as Beaufort earned the 16th largest DOT grant that year and the largest in South Carolina history. Of the 848 applications for the TIGER III grant in 2011, only 48 were awarded funding -- about 6 percent of the total applications received. The TIGER grant is DOT-talk for *Transportation Investment Generating Economic Recovery*.

13. Are there any environmental impacts to the construction or overall design?

Yes. There will be impacts, all of which will be improvements to the cultural, social and natural environments. There will not be any negative environmental impacts.

As a part of the National Environmental Policy Act, studies were conducted to assess for the possible effects of this project on the social, cultural and natural environments. The project may require minimal amounts of bank stabilization along Boundary Street and will include construction of an elevated boardwalk along the marsh line of Battery Creek. The project won't result in permanent loss of aquatic function within the marsh or result in any adverse impacts to the natural environment. All

necessary environmental certifications and permits will be obtained prior to construction of the project.

14. What are the plans for traffic signals and new intersections?

Click [here](#) to view of diagram of the planned traffic signals and intersections. A few high points include:

- Traffic signals include a **relocated** signal at the new intersection of SC 170, a **new** signal at Polk Street, the **existing** signal at Hogarth Street, a **new** traffic signal at Enmark and Carolina Cove, and the **existing** signal entering the K-Mart Shopping Center
- Traffic signals will include left-turn lanes where necessary and left-turn signals to improve safe access and to minimize the potential for crashes
- Traffic signals will be upgraded to include decorative mast arms. Additional upgrades include Traffic Adaptive technologies to improve coordination and traffic flow in real time, emergency vehicle pre-emption, traffic cameras and traffic data management system

15. Are roundabouts, also called traffic circles, still part of the plan?

No. They were determined to not be feasible for this project.

The Traffic Study that was conducted as part of the 2009 Boundary Street Improvements Feasibility Study indicated that a roundabout at the SC 170 and US 21/Boundary Street intersection wouldn't function adequately due to the high traffic volumes. The intersection will remain under signal control.

A roundabout originally planned for the intersection of Ribaut Road and Boundary also has been postponed. It still shows in the original 2006 Dover-Kohl study, but isn't part of the current (2014) construction documents.

16. Will all the overhead utility lines be put underground as part of this project?

Yes. The a significant part of this project will be the construction of an underground Duct Bank designed to house all overhead utilities.

To improve safety and the appearance of this main entry to historic Beaufort, utility companies agreed in Summer 2014 to move their various lines and cables from overhead poles into an underground "duct bank." This applies to the area between Neil Road and the City Hall/Beaufort County Government Complex at Ribaut Road. The poles will be removed as well.

The end result will be a safer road for drivers, a more attractive entrance to the City of Beaufort, and a more storm-resistant infrastructure.

17. Will a road connect the back end of Pickpocket Plantation and Beaufort Plaza?

Yes. This is a separate project that will include a new connection which will provide Pickpocket Plantation with access to a signalized intersection. This project will begin later.

18. What about properties on the south side of Boundary Street?

The City, along with their partners – Open Land Trust, Beaufort County Rural and Critical Lands Program – are looking to acquire some of the properties on the south side of Boundary Street, from

Hogarth Street to the Battery Saxton. They will eventually become the Battery Creek Vista Project, a passive park along this stretch of Battery Creek. This has been part of the Boundary Street Master Plan since its inception in 2006.

This park will have the following benefits for the city: Provide access to the water, improve water quality, preserve a unique historic civil war site, improve the entryway to the city, increase traffic safety, and provide additional open space.

19. Have Disadvantaged Business Enterprises been included in the construction work?

A minimum of 13 percent of all sub-contracting work is required for S.C. Department of Transportation-approved DBEs.