



CITY OF COLUMBIA
AGENDA MEMORANDUM

MEETING DATE: August 2, 2016

DEPARTMENT: Utilities and Engineering

FROM: *Joey Jaco, Director of Utilities and Engineering*

SUBJECT: SS7280

FINANCIAL IMPACT: If project not funded, the system will continue to have sewer overflows and capacity issues.

ORIGINAL BUDGET: \$9,948,875.00 CIP FY 15/16

BUSINESS PROGRAM: Mentor Protege Program

CLEAN WATER 2020?: Yes

FEMA DR-SC4241?: No

STRATEGIC GOALS: Invest in Infrastructure

The purpose of this Capital Improvement Project #SS7280 is for rehabilitation and replacement of approximately 1,600 LF of 6-inch, 68,000 LF of 8-inch, 7,800 LF of 10-inch, and 400 LF of 12-inch sewer line via point repairs, CIPP lining, pipe bursting, and traditional open cut methods. Associated work includes root removal or cleaning, CCTV inspection, service lateral replacement and lining, sewer cleanout installation, and collection of GIS data for newly located assets. The project also includes the rehabilitation of nearly 300 sewer manholes. These improvements are required in order to reduce inflow/infiltration of storm and ground water into the sewer system, and correct structural and operational defects that may result in backups or overflows.

Bids for this Capital Improvement Project #SS7280 were opened publicly at 2:00 p.m. on July 19, 2016 in the seventh floor Conference Room, 1136 Washington Street. The bids were as follows (lowest to highest):

<u>Contractor</u>	<u>Base Bid</u>	<u>Contingency</u>	<u>Total Bid</u>
1. IPR Southeast / Holzheimer Construction	\$ 9,647,240.00	\$250,000.00	\$ 9,897,240.00
2. Layne Inliner / N. American Pipeline	\$13,135,994.00	\$250,000.00	\$13,385,994.00
3. McClam & Assoc. / Patriot Construction	\$16,033,570.00	\$250,000.00	\$16,283,570.00

See attachments for Bid Analysis, Site Map, and Business Information Record. Capital Project #SS7280 is located in Council Districts 2 and 3. Pursuant to the provisions of the City of Columbia Mentor Protégé Program, the lowest responsive and responsible bidder is IPR

Southeast, LLC (Mentor) and Holzheimer Construction, Inc. (Protégé). The Protégé is implementing 31% (\$3,000,000.00) of the base contract value of \$9,647,240.00.

Recommend the City award this contract to IPR Southeast, LLC in the amount of \$9,647,240.00 and authorize a project contingency of \$250,000.00 to be managed by the City of Columbia Construction Management Division, for a total approval amount of \$9,897,240.00. CIP budgeted amount for this Capital Project #SS7280 is \$9,948,875.00. Its funding source is from 15/16 SS728801 (Unforeseen and Miscellaneous Projects); 529999-SS728001-658650.

Upon your approval, please forward for inclusion on the August 2, 2016 Council Meeting Agenda.



CITY OF COLUMBIA

Department of Utilities and Engineering Division of Engineering

P.O. Box 147 | Columbia, South Carolina 29217

Phone: 803-545-3400 Fax: 803-988-8199

Requesting a Contract

Name of Department requesting approval: Utilities and Engineering

Name of City Project Manager: John Riggs, P.E.

Project Number: #SS7280

Project Description: Rocky Branch Basin RB01 Sewer Rehabilitation

Name of firm or contractor award is being recommended for: IPR Southeast / Holzheimer Construction

Type of procurement used to obtain firm or contractor: Open Public Solicitation

List subcontractors of project: See Attachment 3 (Business Information Record)

Compliance Programs Associated with project: Mentor Protégé Program

Is this Clean Water 2020 related? Yes

Amount of Compensation: \$9,897,240.00 (including a \$250,000.00 Contingency Allowance)

Original Budgeted Amount: \$9,948,875.00 (including a \$250,000.00 Contingency Allowance)

Funding Source: 15/16 SS728801 Unforeseen and Miscellaneous Projects; 529999-SS728001-658650

City Council Districts this project impacts: Council Districts 2 and 3

Map of Project Area Attached? See Attachment 2

CITY OF COLUMBIA - UTILITIES & ENGINEERING - BID ANALYSIS

JULY 19, 2016

SS7280 ROCKY BRANCH BASIN RB01 SEWER REHABILITATION (A MENTOR PROTÉGÉ PROJECT)

Item	Item Description	Qty.	Unit	Engineering Estimate		IPR Southeast LLC / Holzheimer Construction		Layne Inliner LLC / North American Pipeline		McClam & Associates / Patriot Construction	
				Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
REHABILITATION											
C - 2	Cured-in-Place Pipe 8-in Sewer (Manhole to Manhole), All Depths (Section 33 01 40)	50,900	LF	\$50.00	\$2,545,000.00	\$25.75	\$1,310,675.00	\$53.25	\$2,710,425.00	\$45.00	\$2,290,500.00
C - 3	Cured-in-Place Pipe 10-in Sewer (Manhole to Manhole), All Depths (Section 33 01 40)	6,300	LF	\$60.00	\$378,000.00	\$31.00	\$195,300.00	\$57.00	\$359,100.00	\$47.50	\$299,250.00
C - 4	Cured-in-Place Pipe 12-in Sewer (Manhole to Manhole), All Depths (Section 33 01 40)	400	LF	\$75.00	\$30,000.00	\$42.00	\$16,800.00	\$59.00	\$23,600.00	\$92.00	\$36,800.00
C - 26	PVC Point Repair 8-in Sewer (up to 10 ft. in length), 0-ft to 16-ft deep (Section 33 30 10)	115	EA	\$4,250.00	\$488,750.00	\$6,575.00	\$756,125.00	\$5,334.00	\$613,410.00	\$10,525.00	\$1,210,375.00
C - 27	PVC Point Repair 10-in Sewer (up to 10 ft. in length), 0-ft to 16-ft deep (Section 33 30 10)	10	EA	\$4,500.00	\$45,000.00	\$6,900.00	\$69,000.00	\$6,124.00	\$61,240.00	\$10,670.00	\$106,700.00
C - 28	PVC Point Repair 12-in Sewer (up to 10 ft. in length), 0-ft to 16-ft deep (Section 33 30 10)	1	EA	\$4,750.00	\$4,750.00	\$10,000.00	\$10,000.00	\$8,646.00	\$8,646.00	\$11,320.00	\$11,320.00
C - 46	PVC Point Repair 8-in Sewer (greater than 10 ft. in length), 0-ft to 16-ft deep (Section 33 30 10)	2,000	LF	\$115.00	\$230,000.00	\$450.00	\$900,000.00	\$229.00	\$458,000.00	\$375.00	\$750,000.00
C - 47	PVC Point Repair 10-in Sewer (greater than 10 ft. in length), 0-ft to 16-ft deep (Section 33 30 10)	400	LF	\$130.00	\$52,000.00	\$485.00	\$194,000.00	\$232.00	\$92,800.00	\$380.00	\$152,000.00
C - 48	PVC Point Repair 12-in Sewer (greater than 10 ft. in length), 0-ft to 16-ft deep (Section 33 30 10)	100	LF	\$150.00	\$15,000.00	\$575.00	\$57,500.00	\$266.00	\$26,600.00	\$385.00	\$38,500.00
C - 56	PVC Point Repair 8-in Sewer (greater than 10 ft. in length), greater than 16-ft. deep (Section 33 30 10)	10	LF	\$250.00	\$2,500.00	\$950.00	\$9,500.00	\$541.00	\$5,410.00	\$1,930.00	\$19,300.00
C - 57	PVC Point Repair 10-in Sewer (greater than 10 ft. in length), greater than 16-ft. deep (Section 33 30 10)	40	LF	\$275.00	\$11,000.00	\$965.00	\$38,600.00	\$545.00	\$21,800.00	\$1,935.00	\$77,400.00
C - 58	PVC Point Repair 12-in Sewer (greater than 10 ft. in length), greater than 16-ft. deep (Section 33 30 10)	40	LF	\$300.00	\$12,000.00	\$985.00	\$39,400.00	\$549.00	\$21,960.00	\$1,940.00	\$77,600.00
C - 83	DI Point Repair 8-in Sewer (greater than 10 ft. in length), 0-ft to 16-ft deep (Section 33 30 10)	100	LF	\$275.00	\$27,500.00	\$725.00	\$72,500.00	\$297.00	\$29,700.00	\$1,170.00	\$117,000.00
C - 114	Mechanical Heavy Sewer Cleaning/ Root Removal (Section 33 35 20)	6,000	LF	\$4.00	\$24,000.00	\$3.50	\$21,000.00	\$7.00	\$42,000.00	\$5.40	\$32,400.00

CITY OF COLUMBIA - UTILITIES & ENGINEERING - BID ANALYSIS
JULY 19, 2016 SS7280 ROCKY BRANCH BASIN RB01 SEWER REHABILITATION (A MENTOR PROTÉGÉ PROJECT)

Item	Item Description	Qty.	Unit	Engineering Estimate		IPR Southeast LLC / Holzheimer Construction		Layne Inliner LLC / North American Pipeline		McClam & Associates / Patriot Construction	
				Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
C - 115	Sewer Service Lateral Cured-in-Place Liner (from 0-ft to 10-ft), All Depths (Section 33 01 88)	110	EA	\$2,500.00	\$275,000.00	\$3,375.00	\$371,250.00	\$3,466.00	\$381,260.00	\$3,250.00	\$357,500.00
C - 116	Sewer Service Lateral Cured-in-Place Liner (Greater than 10-ft), All Depths (Section 33 01 88)	2,500	LF	\$190.00	\$475,000.00	\$25.00	\$62,500.00	\$35.00	\$87,500.00	\$54.00	\$135,000.00
C - 117	Sewer Service Lateral Cleanout installed in Lawn/Unpaved Areas, All Sizes, All Depths (Section 33 01 71)	900	EA	\$750.00	\$675,000.00	\$470.00	\$423,000.00	\$578.00	\$520,200.00	\$1,375.00	\$1,237,500.00
C - 118	Sewer Service Lateral Cleanout installed in Paved Areas, All Sizes, All Depths (Section 33 01 71)	200	EA	\$900.00	\$180,000.00	\$785.00	\$157,000.00	\$638.00	\$127,600.00	\$3,000.00	\$600,000.00
C - 120	Sewer Service Laterals Replaced by Open Cut, All Depths (Section 33 01 71)	7,000	LF	\$60.00	\$420,000.00	\$139.00	\$973,000.00	\$196.00	\$1,372,000.00	\$275.00	\$1,925,000.00
C - 121	Reconnect Active Sewer Laterals to CIPP Lined Pipe, All Sizes All Depths (Sections 33 01 40)	1,115	EA	\$125.00	\$139,375.00	\$48.00	\$53,520.00	\$283.00	\$315,545.00	\$105.00	\$117,075.00
C - 122	Reconnect Active Sewer Laterals to Pipes Rehabilitated by pipe Bursting, All Sizes All Depths (Sections 33 01 53)	300	EA	\$1,950.00	\$585,000.00	\$1,025.00	\$307,500.00	\$2,889.00	\$866,700.00	\$3,900.00	\$1,170,000.00
C - 123	Removal and Disposal of Protruding Service Laterals (Section 33 01 40)	150	EA	\$150.00	\$22,500.00	\$200.00	\$30,000.00	\$283.00	\$42,450.00	\$255.00	\$38,250.00
C - 124	Remove and Replace Standard Sewer Manhole Frame and Cover for 24-inch Diameter Riser (Section 33 01 44)	15	EA	\$1,000.00	\$15,000.00	\$1,250.00	\$18,750.00	\$1,733.00	\$25,995.00	\$1,200.00	\$18,000.00
C - 127	Remove and Reset Existing Manhole Frame and Cover (Section 33 01 44)	20	EA	\$850.00	\$17,000.00	\$900.00	\$18,000.00	\$520.00	\$10,400.00	\$960.00	\$19,200.00
C - 128	Furnish and Install Flexible Chimney Seal, 24-inch (Section 33 01 44)	70	EA	\$350.00	\$24,500.00	\$720.00	\$50,400.00	\$439.00	\$30,730.00	\$820.00	\$57,400.00
C - 131	Repairing and Rebuilding Brickwork for Inverts, Benches, Walls, and Chimneys in Manholes (Section 33 01 44)	90	EA	\$500.00	\$45,000.00	\$600.00	\$54,000.00	\$601.00	\$54,090.00	\$600.00	\$54,000.00
C - 133	Coating all Manhole Inverts with Quick-Setting Grout (Section 33 01 44)	10	EA	\$450.00	\$4,500.00	\$500.00	\$5,000.00	\$220.00	\$2,200.00	\$470.00	\$4,700.00
C - 134	Sewer Manhole Monolithic Lining, 4-ft Dia. Manhole (Section 33 01 44)	1,500	VF	\$155.00	\$232,500.00	\$182.00	\$273,000.00	\$137.00	\$205,500.00	\$175.00	\$262,500.00
C - 135	Sewer Manhole Monolithic Lining, 5-ft Dia. Manhole (Section 33 01 44)	160	VF	\$175.00	\$28,000.00	\$265.00	\$42,400.00	\$208.00	\$33,280.00	\$200.00	\$32,000.00

CITY OF COLUMBIA - UTILITIES & ENGINEERING - BID ANALYSIS

JULY 19, 2016

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Item	Item Description	Qty.	Unit	Engineering Estimate		IPR Southeast LLC / Holzheimer Construction		Layne Inliner LLC / North American Pipeline		McClam & Associates / Patriot Construction	
				Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
C - 137	Pipe Bursting Existing 6-in. Diameter Pipe and Installation of 8-in. HDPE Sewer, All Depths (Section 33 01 53)	1,700	LF	\$75.00	\$127,500.00	\$48.00	\$81,600.00	\$139.00	\$236,300.00	\$130.00	\$221,000.00
C - 138	Pipe Bursting Existing 8-in. Diameter Pipe and Installation of 8-in. HDPE Sewer, All Depths (Section 33 01 53)	15,600	LF	\$75.00	\$1,170,000.00	\$50.00	\$780,000.00	\$135.00	\$2,106,000.00	\$130.00	\$2,028,000.00
C - 140	Pipe Bursting Existing 10-in. Diameter Pipe and Installation of 10-in. HDPE Sewer, All Depths (Section 33 01 53)	1,600	LF	\$110.00	\$176,000.00	\$55.00	\$88,000.00	\$150.00	\$240,000.00	\$151.00	\$241,600.00
C - 148	Gathering Manhole GIS Data for Newly Found Assets in the Field (Locate, Uncover, & Inspect) (Section 00 31 22)	20	EA	\$500.00	\$10,000.00	\$650.00	\$13,000.00	\$693.00	\$13,860.00	\$1,200.00	\$24,000.00
C - 149	Replace Sewer Clean Out (Section 33 01 71)	79	EA	\$425.00	\$33,575.00	\$680.00	\$53,720.00	\$173.00	\$13,667.00	\$1,700.00	\$134,300.00
C - 150	Install New Manhole- Base (Section 33 01 44)	30	EA	\$3,200.00	\$96,000.00	\$8,500.00	\$255,000.00	\$8,088.00	\$242,640.00	\$5,200.00	\$156,000.00
C - 151	Install New Manhole- Riser (Section 33 01 44)	120	EA	\$425.00	\$51,000.00	\$560.00	\$67,200.00	\$462.00	\$55,440.00	\$2,000.00	\$240,000.00
C - 152	Remove and Replace Sewer Manhole- Base (Section 33 01 44)	12	EA	\$3,500.00	\$42,000.00	\$12,500.00	\$150,000.00	\$9,821.00	\$117,852.00	\$7,200.00	\$86,400.00
C - 153	Remove and Replace Sewer Manhole- Riser (Section 33 01 44)	50	EA	\$425.00	\$21,250.00	\$750.00	\$37,500.00	\$578.00	\$28,900.00	\$5,000.00	\$250,000.00
C - 154	Point Repair at Non-Sewer Pipe Intrusions (Section 33 30 10)	30	EA	\$2,200.00	\$66,000.00	\$3,900.00	\$117,000.00	\$6,932.00	\$207,960.00	\$10,550.00	\$316,500.00
C - 155	Sewer Relocation at 1221 Gregg Street (ML.18)	1	LS	\$73,575.00	\$73,575.00	\$425,000.00	\$425,000.00	\$127,094.00	\$127,094.00	\$105,000.00	\$105,000.00
MISCELLANEOUS ITEMS											
M- 1	Mobilization and Demobilization	1	LS	\$443,600.00	\$443,600.00	\$250,000.00	\$250,000.00	\$519,930.00	\$519,930.00	\$350,000.00	\$350,000.00
M- 2	Remove & Replace Asphalt Pavement	5,000	SY	\$35.00	\$175,000.00	\$85.00	\$425,000.00	\$81.00	\$405,000.00	\$90.00	\$450,000.00
M- 3	Remove & Replace Concrete Pavement	2,500	SY	\$55.00	\$137,500.00	\$120.00	\$300,000.00	\$83.00	\$207,500.00	\$60.00	\$150,000.00

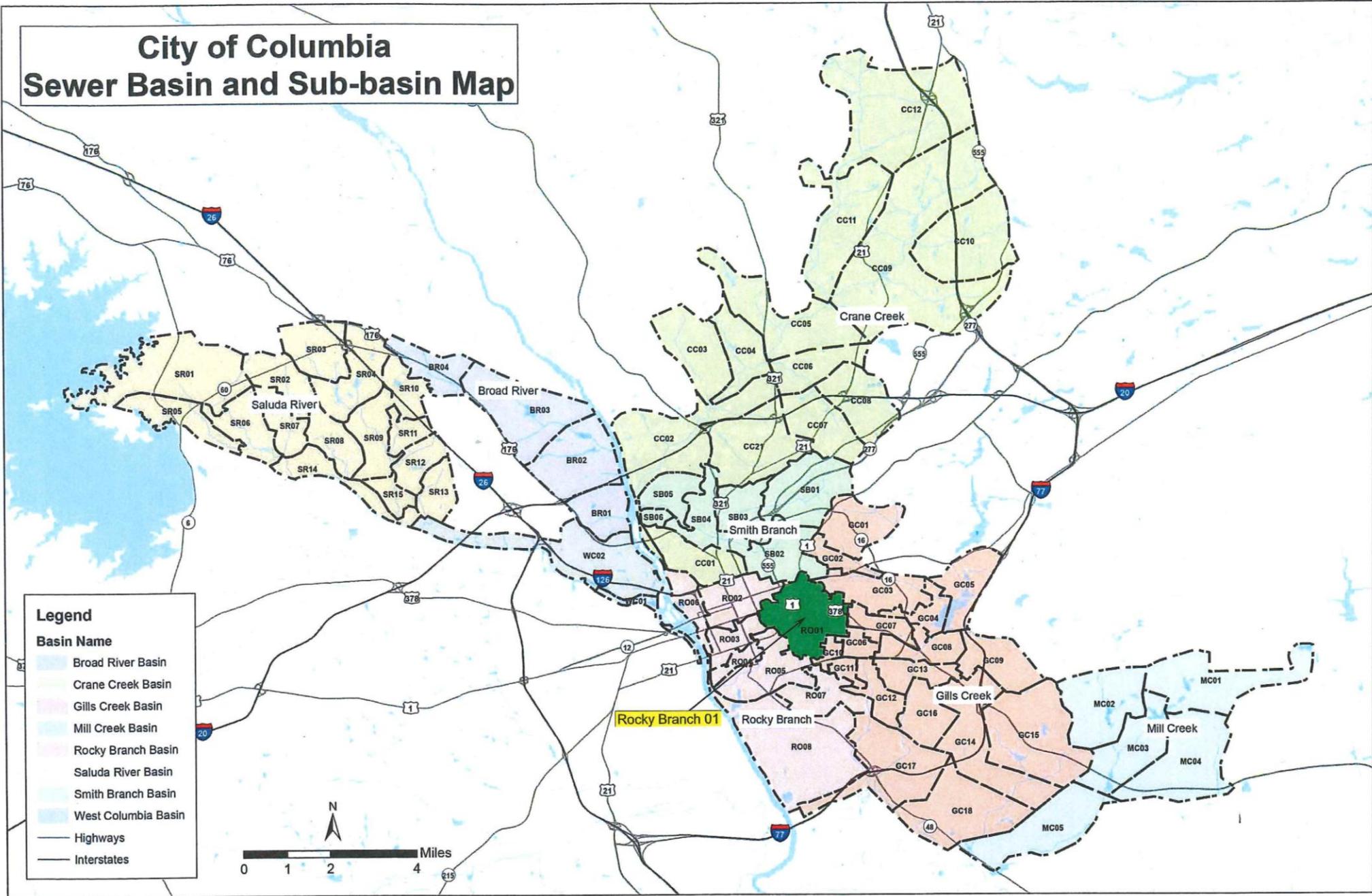
CITY OF COLUMBIA - UTILITIES & ENGINEERING - BID ANALYSIS

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				Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
M- 4	Remove & Replace Curb & Gutter	700	LF	\$85.00	\$59,500.00	\$60.00	\$42,000.00	\$58.00	\$40,600.00	\$30.00	\$21,000.00
M- 5	Install Drop Invert	5	EA	\$2,500.00	\$12,500.00	\$6,500.00	\$32,500.00	\$4,622.00	\$23,110.00	\$2,500.00	\$12,500.00
SUB-TOTAL WITHOUT CONTINGENCY					\$9,698,875.00		\$9,647,240.00		\$13,135,994.00		\$16,033,570.00
M- 6	Owner's Contingency	1	EA		\$250,000.00		\$250,000.00		\$250,000.00		\$250,000.00
TOTAL BID AMOUNT				Total	<u>\$9,948,875.00</u>	Total	<u>\$9,897,240.00</u>	Total	<u>\$13,385,994.00</u>	Total	<u>\$16,283,570.00</u>

City of Columbia Sewer Basin and Sub-basin Map



Project: #SS7280 Rocky Branch Basin RB01 Sewer Rehabilitation

MPP (Mentor Protégé Program) and LBE (Local Business Enterprise)

Business Information Records A MANDATORY FORM

The Bidder shall list all subcontractors and vendors, who will be providing subcontracting services, furnishing materials, etc. for this project. The list shall be submitted in the format provided below. Any proposed changes from the list shall be submitted in writing to the Owner prior to initiation of any action, with the reason for proposed changes.

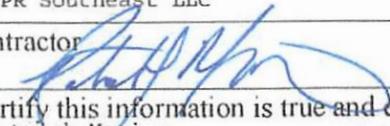
ALL COLUMNS ARE TO BE COMPLETE IN THE INFORMATION REQUESTED

***REQUIRED: MUST BE TYPED AND ONLY REFLECTING THOSE PROVIDING A SERVICE "NO LINE STRIKE THROUGH"**

Business w/ Address	Contact w/Phone	Services / Materials	\$ Value and % ***	SOP IF APPLICABLE DBE, DVBE, OBE	MPP IF APPLICABLE MBE, WBE, SBE
Holzheimer Construction 439 Woods Point Rd. Gilbert, SC 29054	803-518-8867	Open Cut Point Repair Restoration	30% \$3,000,000.00	N/A	MPP
P & H Utilities, LLC 110 Ritchie Dr. Shelby, NC 28152	704-473-3167	Open Cut Point Repair Restoration	5% \$500,000.00	N/A	SBE
Osborn Contract Services 125 Sunbelt Court Greer, SC 29650	864-877-2535	MH Adjustment & Rehab	1% \$100,000.00	N/A	SBE
Dun-Right Services, Inc. 910 B Parker Dr. Florence, SC 29501	843-317-1144	MH Adjustment & Rehab	1% \$100,000.00	N/A	WBE
Culy Contracting 5 Industrial Park Dr. Winchester, IN	765-584-8509	MH Adjustment & Rehab	1% 100,000.00	N/A	WBE
ELD Services 2424 Tyler Street Kenner, LA 70062	504-602-1055	Lateral Rehab	4% \$380,000.00	N/A	N/A
Jaamco Drain Cleaning and Video Services 1410 Babbage Ln. St. D Indian Trail, NC 28079	704-778-1193	CCIV & Cleaning	3% 285,000.00	N/A	SBE

TOTAL: \$ \$4,465,000.00

IPR Southeast LLC

Contractor _____
By 

I certify this information is true and correct.
Patrick Maginn

July 19, 2016
Date _____