

CLAYTON COUNTY WATER AUTHORITY
Regular Board Meeting
1600 Battle Creek Road
Morrow, GA 30260
January 5, 2017

Present at the meeting were: Chairman John Chafin, Vice Chairman Rodney Givens, Secretary/Treasurer John Westervelt; Board Member Marie Barber, Board Member Dr. Cephus Jackson, Board Member Robin Malone, General Manager Mike Thomas, Assistant General Manager Jim Poff, Assistant General Manager Bernard Franks, Legal Counsel Steve Fincher, Public Information Officer Suzanne Brown, other CCWA staff and visitors. Present via telephone was: Board Member Elizabeth G. Armstrong.

Chairman John Chafin called the meeting to order at 1:30 p.m.

Invocation

John Westervelt introduced Sr. Engineering Tech Michael Shinn to give the invocation.

Adoption of Agenda

UPON MOTION by Dr. Cephus Jackson and second by John Westervelt, to adopt the agenda it was unanimously

RESOLVED to approve the agenda as proposed.

Approval of Minutes

Chairman John Chafin called for any omissions or additions to the Regular Board Meeting minutes of December 1, 2016.

UPON MOTION by Rodney Givens and second by Marie Barber, it was unanimously

RESOLVED to approve the Regular Board Meeting Minutes of December 1, 2016.

Financial and Statistical Reports

Finance Director Allison Halron reviewed the financial information distributed to the Board for the period ending November 30, 2016.

Recognition

GAWP Golden Manhole Society Award: Program Management & Engineering Manager Kelly Taylor recognized Keith Watkins for receiving the GAWP Golden Manhole Society Award. Information only, no action taken.

GAWP /WEF Burke Safety Award: Water Reclamation Manager Chris Hamilton recognized the Shoal Creek WRF for receiving the GAWP/WEF Burke Safety Award. Information only, no action taken.

GAWP Laboratory QA/QC Award: Water Reclamation Manager Chris Hamilton recognized the W.B. Casey WRF for receiving the GAWP Laboratory QA/QC Award. Information only, no action taken.

WEF Outstanding Laboratory Analyst Award: Water Reclamation Manager Chris Hamilton recognized Jennifer Brandon for receiving the WEF Outstanding Laboratory Analyst Award. Information only, no action taken.

Georgia FOG Alliance – 2016 Program of the Year Award: Water Reclamation Manager Chris Hamilton recognized CCWA's Environmental Compliance staff for receiving the Georgia FOG Alliance - 2016 Program of the Year Award. Information only, no action taken.

Election of Officers

Motion by Dr. Cephus Jackson, second by Rodney Givens to approve the nomination of John Chafin for Chairman of the Board. Vote unanimous.

Motion by Dr. Cephus Jackson, second by Robin Malone to approve the nomination of Rodney Givens for Vice Chairman of the Board. Vote unanimous.

Motion by Dr. Cephus Jackson, second by Rodney Givens to approve the nomination of John Westervelt for Secretary/Treasurer. Vote unanimous.

New Business

Flint River Outfall Replacement, Phase 1A Project Summary: Program Management & Engineering Manager Kelly Taylor presented a summary of the Flint River Outfall Replacement, Phase 1A Project. Information only, no action taken.

Small Pressurized Pipe Replacement Annual Contract Recommendation: Program Management & Engineering Manager Kelly Taylor presented a recommendation on the Small Pressurized Pipe Replacement Annual Contract. This annual services contract would include open cut installation of water lines and sewer forcemains up to 24 inches in diameter to support CCWA's pipeline renewal and replacement program.

EXHIBIT 3 – Bid Evaluation

Bids Received	Total Bid Amount	SLBE Notes	SLBE Bid Discount	SLBE Adjusted Bid Amount
Don Hall Construction	\$747,563.00	CCWA Certified Prime SLBE	10%	\$672,806.70
Mack Jones Enterprise	\$787,564.50	NA	0%	\$787,564.50

#	Work Item	Detail	Unit	Est. Qty	DON HALL CONSTRUCTION		MACK JONES ENTERPRISE		
					SLBE		SLBE		
					Unit cost	Extended	Unit cost	Extended	
1	Lowboy Service		EA	10	900.00	9,000.00	475.00	4,750.00	
2	Emergency Mobilization		EA	2	900.00	1,800.00	700.00	1,400.00	
3	Performance and Payment Bonds	For Project Work Orders of \$100,000 to \$125,000	EA	3	1,800.00	5,400.00	1,500.00	4,500.00	
4		For Each Additional \$25,000 Increase	EA	1	360.00	360.00	0.00	0.00	
5	Erosion and Sedimentation Control	Silt Fence - Type A	LF	1000	2.00	2,000.00	1.35	1,350.00	
6		Silt Fence - Type C	LF	50	3.00	150.00	2.25	112.50	
7		Sediment Barrier Installation	Hay Bale	LF	50	5.00	250.00	4.50	225.00
8	Erosion and Sedimentation Control	Sediment Barrier Removal	LF	1000	1.00	1,000.00	1.00	1,000.00	
9	Erosion and Sedimentation Control	Curb Inlet Sediment Trap	EA	1	100.00	100.00	45.00	45.00	
10	Erosion and Sedimentation Control	Straw Mulching	SF	200	0.30	60.00	0.25	50.00	
11		Seed and Straw Mulch	SF	30000	0.35	10,500.00	0.40	12,000.00	
12		Soil Stabilization	Seed and Matt Blanket	SF	200	0.45	90.00	0.45	90.00
13			Sod	SF	250	1.00	250.00	0.87	217.50
14	Hauling Material from Outside of County		HR	8	75.00	600.00	57.00	456.00	
15	Tree Removal	4 inch to 6 inch diameter	EA	4	350.00	1,400.00	325.00	1,300.00	
16		Greater than 6 inch to 12 inch diameter	EA	1	600.00	600.00	535.00	535.00	
17		Greater than 12 inch to 24 inch diameter	EA	1	1,600.00	1,600.00	1,500.00	1,500.00	
18		Greater than 24 inch to 36 inch diameter	EA	1	1,900.00	1,900.00	1,800.00	1,800.00	
19	Fence Work	Chain-Link / Wire Removal or Reinstall	LF	200	10.00	2,000.00	9.75	1,950.00	
20		Wood Removal or Reinstall	LF	50	18.00	900.00	17.00	850.00	
21	General Excavation	Up to 6 feet deep	CF	1000	2.00	2,000.00	1.75	1,750.00	
22		Greater than 6 feet to 10 feet deep	CF	125	1.80	225.00	1.45	181.25	
23		Greater than 10 feet to 14 feet deep	CF	125	1.50	187.50	0.85	106.25	
24		Greater than 14 feet to 18 feet deep	CF	125	1.50	187.50	1.00	125.00	

25	Rock Excavation		CF	1000	3.50	3,500.00	2.50	2,500.00
26	General Fill / Backfill	Fill Dirt	CF	2000	1.10	2,200.00	1.00	2,000.00
27		Sand	CF	125	1.20	150.00	1.25	156.25
28		Crushed Stone / Graded Aggregate Base	CF	125	1.30	162.50	1.10	137.50
29		#3, #4, #34, #5, #57 and #89 Stone	CF	1500	1.40	2,100.00	1.25	1,875.00
30		Surge Stone	CF	125	1.50	187.50	1.30	162.50
31		Rip-Rap Stone Type III	CF	125	1.50	187.50	1.30	162.50
32	Stone Placement Crushed Stone / Graded Aggregate Base	6 inch thick layer	SF	10000	0.90	9,000.00	0.70	7,000.00
33		2 inch thick increment	SF	100	0.75	75.00	0.70	70.00
34	Stone Placement #3, #4, #34, #5, #57 and #89 Stone	6 inch thick layer	SF	100	1.50	150.00	0.80	80.00
35		2 inch thick increment	SF	100	1.00	100.00	0.80	80.00

#	Work Item	Detail	Unit	Est. Qty	DON HALL CONSTRUCTION		MACK JONES ENTERPRISE	
					SLBE		SLBE	
					Unit cost	Extended	Unit cost	Extended
36	Stone Placement Surge Stone	Surge Stone 6 inch thick layer	SF	100	1.50	150.00	0.90	90.00
37		6 inch thick increment	SF	100	1.50	150.00	0.90	90.00
38	Stone Placement Type 3 Rip-Rap	12 inch thick layer	SF	100	1.80	180.00	1.35	135.00
39		12 inch thick increment	SF	100	1.80	180.00	1.35	135.00
40	Stone Placement Type 1 Rip-Rap	Single Layer	SF	100	3.00	300.00	2.00	200.00
41	Geotextile Fabric Installation		SF	400	0.40	160.00	0.20	80.00
42	Remove Asphalt	Up to 4 inch thick layer	SF	1500	3.00	4,500.00	2.00	3,000.00
43		Greater than 4 inch to 8 inch thick layer	SF	100	4.00	400.00	3.00	300.00
44		Greater than 8 inch to 12 inch thick layer	SF	100	5.00	500.00	3.25	325.00
45		Greater than 12 inch thick layer	SF	100	6.00	600.00	3.75	375.00
46	Remove Concrete Flat Work	Up to 4 inch thick layer	SF	6500	2.50	16,250.00	2.25	14,625.00
47		Greater than 4 inch to 8 inch thick layer	SF	250	3.00	750.00	2.75	687.50
48		Greater than 8 inch to 12 inch thick layer	SF	100	3.40	340.00	3.25	325.00
49		Greater than 12 inch thick layer	SF	100	4.00	400.00	3.85	385.00
50	Curb and Gutter		LF	50	5.00	250.00	1.50	75.00
51	Milling Pavement	Up to 1500 SF	EA	1	5,900.00	5,900.00	6,000.00	6,000.00
52		Additional Square Footage	SF	50	4.00	200.00	3.85	192.50
53	Asphalt Patching	3 inch thick layer	SF	1500	7.00	10,500.00	6.75	10,125.00
54		1 inch thick increment	SF	100	3.50	350.00	3.30	330.00
55	Asphalt Paving	3 inch thick layer	SF	500	6.00	3,000.00	6.75	3,375.00
56		1 inch thick increment	SF	100	3.50	350.00	3.30	330.00
57	Concrete Flatwork	Up to 4 inch thick layer	SF	6500	5.25	34,125.00	3.75	24,375.00
58		Greater than 4 inch to 6 inch thick layer	SF	250	6.25	1,562.50	5.00	1,250.00
59		Greater than 6 inch to 8 inch thick layer	SF	100	8.50	850.00	6.25	625.00

60		Greater than 8 inch to 10 inch thick layer	SF	100	9.50	950.00	7.95	795.00
61		Wire Mesh	SF	100	0.50	50.00	0.50	50.00
62		Steel Reinforcement	LF	100	0.85	85.00	0.95	95.00
63	Curb and Gutter Replacement	Up to 24 inch width, square back	LF	50	25.00	1,250.00	21.00	1,050.00
64		Up to 24 inch width, roll back	LF	50	25.00	1,250.00	21.00	1,050.00
65	Pavement Striping	Up to 6 inch wide	LF	40	5.50	220.00	6.00	240.00
66		24 inch wide	LF	40	8.50	340.00	8.25	330.00
67	Pavement – Pressure Washing		SF	1000	0.50	500.00	0.45	450.00

#	Work Item	Detail	Unit	Est. Qty	DON HALL CONSTRUCTION		MACK JONES ENTERPRISE	
					SLBE	Extended	SLBE	Extended
68	Pumping 4-inch Pump	Single Pump System	DY	5	875.00	4,375.00	865.00	4,325.00
69		Redundant Pump System	DY	1	975.00	975.00	970.00	970.00
70	Pumping 6-inch Pump	Single Pump System	DY	1	1,200.00	1,200.00	1,195.00	1,195.00
71		Redundant Pump System	DY	1	1,400.00	1,400.00	1,400.00	1,400.00
72	Pipe Installation - Open Cut Copper (Type "K") Up to 1-inch	Installation / Replacement	EA	30	500.00	15,000.00	500.00	15,000.00
73		Additional Footage	LF	10	20.00	200.00	11.75	117.50
74	Pipe Installation - augered Copper (Type "K") Up to 1-inch	Installation / Replacement	EA	40	900.00	36,000.00	885.00	35,400.00
75		Additional Footage	LF	10	20.00	200.00	18.75	187.50
76	Pipe Installation - Open Cut Copper (Type "L") 1-1/2 to 2-inch	Up to 6 feet deep	LF	400	20.00	8,000.00	12.00	4,800.00
77		Greater than 6 feet to 10 feet deep	LF	20	30.00	600.00	14.00	280.00
78		Greater than 10 feet deep	LF	20	50.00	1,000.00	18.75	375.00
79	Pipe Installation - augered Copper (Type "L") 1-1/2 to 2-inch	Up to 6 feet deep	LF	600	20.00	12,000.00	22.75	13,650.00
80		Greater than 6 feet to 10 feet deep	LF	20	30.00	600.00	28.75	575.00
81		Greater than 10 feet deep	LF	20	50.00	1,000.00	45.00	900.00
82	Pipe Installation - Open Cut PVC up to 8-inch	Point Repair, up to 6 feet deep	EA	1	2,500.00	2,500.00	1,900.00	1,900.00
83		Point Repair, greater than 6 feet to 10 feet deep	EA	1	3,500.00	3,500.00	2,475.00	2,475.00
84		Point Repair, greater than 10 feet to 14 feet deep	EA	1	4,000.00	4,000.00	3,450.00	3,450.00
85		Point Repair, greater than 14 feet to 18 feet deep	EA	1	5,000.00	5,000.00	4,250.00	4,250.00
86		Additional Footage, up to 6 feet deep	LF	1080	25.00	27,000.00	22.75	24,570.00
87	Additional Footage, greater than 6 feet to 10 feet deep	LF	40	30.00	1,200.00	28.75	1,150.00	
88	Additional Footage, greater than 10 feet to 14 feet deep	LF	20	40.00	800.00	28.75	575.00	
89	Additional Footage, greater than 14 feet to 18 feet deep	LF	20	50.00	1,000.00	28.75	575.00	
90	Pipe Installation - Open Cut DI up to 8-inch	Point Repair, up to 6 feet deep	EA	6	2,500.00	15,000.00	1,400.00	8,400.00
91		Point Repair, greater than 6 feet to 10 feet deep	EA	1	3,500.00	3,500.00	1,735.00	1,735.00
92		Point Repair, greater than 10 feet to 14 feet deep	EA	1	4,000.00	4,000.00	1,735.00	1,735.00
93		Point Repair, greater than 14 feet to 18 feet deep	EA	1	5,000.00	5,000.00	1,735.00	1,735.00
94		Additional Footage, up to 6 feet deep	LF	5000	25.00	125,000.00	19.35	96,750.00

95	Additional Footage, greater than 6 feet to 10 feet deep	LF	40	30.00	1,200.00	22.00	880.00
96	Additional Footage, greater than 10 feet to 14 feet deep	LF	20	40.00	800.00	22.00	440.00
97	Additional Footage, greater than 14 feet to 18 feet deep	LF	20	50.00	1,000.00	22.00	440.00

#	Work Item	Detail	Unit	Est. Qty	DON HALL CONSTRUCTION		MACK JONES ENTERPRISE	
					SLBE	Extended	SLBE	Extended
#	Work Item	Detail	Unit	Est. Qty	Unit cost	Extended	Unit cost	Extended
98	Pipe Installation - Open Cut Steel Casing up to 18-inch	Up to 6 feet deep	LF	80	30.00	2,400.00	26.00	2,080.00
99		Greater than 6 feet to 10 feet deep	LF	40	35.00	1,400.00	30.00	1,200.00
100		Greater than 10 feet to 14 feet deep	LF	20	40.00	800.00	30.00	600.00
101		Greater than 14 feet to 18 feet deep	LF	20	60.00	1,200.00	30.00	600.00
102		Weld	EA	2	50.00	100.00	47.75	95.50
103	Pipe Installation - Open Cut Steel Casing greater than 18-inch to 24inch	Up to 6 feet deep	LF	100	30.00	3,000.00	26.85	2,685.00
104		Greater than 6 feet to 10 feet deep	LF	60	35.00	2,100.00	32.00	1,920.00
105		Greater than 10 feet to 14 feet deep	LF	20	40.00	800.00	32.00	640.00
106		Greater than 14 feet to 18 feet deep	LF	20	60.00	1,200.00	32.00	640.00
107		Weld	EA	5	60.00	300.00	47.75	238.75
108	Cased Bore 12"	Non Steered	LF	80	120.00	9,600.00	200.00	16,000.00
109		Steered	LF	120	165.00	19,800.00	375.00	45,000.00
110		Rock Bore (Additional Per)	LF	40	500.00	20,000.00	450.00	18,000.00
111	Cased Bore 18"	Non Steered	LF	40	150.00	6,000.00	275.00	11,000.00
112		Steered	LF	180	170.00	30,600.00	425.00	76,500.00
113		Rock Bore (Additional Per)	LF	40	500.00	20,000.00	550.00	22,000.00
114	Cased Bore 24"	Non Steered	LF	40	180.00	7,200.00	325.00	13,000.00
115		Steered	LF	100	200.00	20,000.00	325.00	32,500.00
116		Rock Bore (Additional Per)	LF	20	500.00	10,000.00	450.00	9,000.00
117	Bore Entry Pit	Up to 6 feet deep	VF	12	200.00	2,400.00	500.00	6,000.00
118		Greater than 6 feet deep to 12 feet deep	VF	10	220.00	2,200.00	800.00	8,000.00
119		Greater than 12 feet deep to 18 feet deep	VF	15	250.00	3,750.00	1,000.00	15,000.00
120		Greater than 18 feet deep	VF	20	625.00	12,500.00	1,000.00	20,000.00
121	Bore Receiving Pit	Up to 6 feet deep	VF	12	200.00	2,400.00	200.00	2,400.00
122		Greater than 6 feet deep to 12 feet deep	VF	8	220.00	1,760.00	400.00	3,200.00
123		Greater than 12 feet deep to 18 feet deep	VF	15	250.00	3,750.00	600.00	9,000.00
124		Greater than 18 feet deep	VF	20	625.00	12,500.00	600.00	12,000.00
125	Pipe Insertion into Steel Casing PVC up to 8-inch		LF	180	20.00	3,600.00	14.00	2,520.00
126	Pipe Insertion into Steel Casing DI up to 8-inch		LF	200	20.00	4,000.00	18.00	3,600.00
127	Polyethylene Pipe Encasement		LF	40	5.00	200.00	7.75	310.00
128	Core Into Pipe	Up to 2-inch core into pipe	EA	5	700.00	3,500.00	750.00	3,750.00

129		Greater than 2-inch to 6-inch core into pipe	EA	8	800.00	6,400.00	775.00	6,200.00
130		8-inch core into pipe	EA	1	900.00	900.00	875.00	875.00
131	Connect Fitting / Valve to Pipe Brass / Bronze Fitting / Valve up to 2-inch		EA	25	200.00	5,000.00	185.00	4,625.00

#	Work Item	Detail	Unit	Est. Qty	DON HALL CONSTRUCTION		MACK JONES ENTERPRISE	
					SLBE	Extended	SLBE	Extended
132	Connect Fitting / Valve to Pipe PVC Fitting / Valve up to 8-inch		EA	5	300.00	1,500.00	285.00	1,425.00
133	Connect Fitting / Valve to Pipe DI Fitting / Valve up to 8-inch		EA	10	300.00	3,000.00	325.00	3,250.00
134	Fire Hydrant Installation	Up to 5-foot Bury Depth	EA	6	400.00	2,400.00	385.00	2,310.00
135		Greater than 5-foot Bury Depth	EA	1	600.00	600.00	685.00	685.00
136		Post Hydrant	EA	1	400.00	400.00	275.00	275.00
137	Fire Hydrant (Existing) Vertical Adjustment		VF	5	200.00	1,000.00	185.00	925.00
138	Fire Hydrant Removal	Up to 5-foot Bury Depth	EA	1	400.00	400.00	235.00	235.00
139		Greater than 5-foot Bury Depth	EA	1	600.00	600.00	321.00	321.00
140		Post Hydrant	EA	2	400.00	800.00	125.00	250.00
141	Air / Vacuum Release Valve Installation		EA	1	1,500.00	1,500.00	1,095.00	1,095.00
142	Concrete Thrust Restraint	Tie-Back	EA	4	700.00	2,800.00	300.00	1,200.00
143		Block for Pipe up to 16-inch	EA	5	500.00	2,500.00	185.00	925.00
144	Pipe Collar Installation		CF	200	40.00	8,000.00	20.00	4,000.00
145	Precast Manhole Installation 4-Foot Diameter	Base Slab	EA	1	500.00	500.00	985.00	985.00
146		Riser	VF	7	100.00	700.00	100.00	700.00
147	Precast Manhole Installation 5-Foot Diameter	Base Slab	EA	1	600.00	600.00	1,175.00	1,175.00
148		Riser	VF	7	120.00	840.00	100.00	700.00
149	Manhole Invert Construction 4-Foot Diameter Manhole	Cast-in-Place Concrete	EA	1	450.00	450.00	425.00	425.00
150		Brick and Mortar	EA	1	450.00	450.00	475.00	475.00
151	Manhole Invert Construction 5-Foot Diameter Manhole	Cast-in-Place Concrete	EA	1	550.00	550.00	500.00	500.00
152		Brick and Mortar	EA	1	550.00	550.00	575.00	575.00
153	Ring and Cover Installation	Installation	EA	1	100.00	100.00	85.00	85.00
154		Additional Height, Per Brick Layer	EA	4	100.00	400.00	95.00	380.00
155	Concrete Core	Up to 4-inch diameter core	EA	1	300.00	300.00	285.00	285.00
156		Greater than 4-inch to 12-inch diameter core	EA	1	350.00	350.00	325.00	325.00
157		Greater than 12-inch to 18-inch diameter core	EA	1	400.00	400.00	425.00	425.00
158		Greater than 18-inch to 24-inch diameter core	EA	1	450.00	450.00	205.00	205.00
159	Brick Work	1 Brick Deep Wall Construction	SF	100	35.00	3,500.00	45.00	4,500.00
160		2 Brick Deep Wall Construction	SF	100	60.00	6,000.00	70.00	7,000.00
161		3 Brick Deep Wall Construction	SF	100	85.00	8,500.00	85.00	8,500.00
162		4 Brick Deep Wall Construction	SF	100	110.00	11,000.00	115.00	11,500.00
163	Concrete Work	Bulk	CY	8	400.00	3,200.00	375.00	3,000.00

Regular Board Meeting
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164		Form Work	SF	200	3.50	700.00	3.00	600.00
165		Steel Reinforcement	LF	200	6.50	1,300.00	6.25	1,250.00
166		Grout Mixed by Hand	CF	14	30.00	420.00	28.00	392.00
167	Cementitious Grouting	Grout Mixed by Plant	CY	3	400.00	1,200.00	385.00	1,155.00
168		Pump Mobilization	EA	1	2,500.00	2,500.00	2,550.00	2,550.00

DON HALL CONSTRUCTION		MACK JONES ENTERPRISE	
SLBE		SLBE <input type="checkbox"/>	

#	Work Item	Detail	Unit	Est. Qty	Unit cost	Extended	Unit cost	Extended
169	Pressure Testing	Hydrostatic	EA	7	500.00	3,500.00	400.00	2,800.00
170	Pipe Disinfection		GAL	10	40.00	400.00	10.00	100.00
171	Hourly Labor	Superintendent	HR	8	35.00	280.00	37.00	296.00
172		Foreman	HR	16	25.00	400.00	23.00	368.00
173		Operator	HR	16	25.00	400.00	22.00	352.00
174		Pipe Layer	HR	16	20.00	320.00	19.75	316.00
175		Laborer	HR	16	18.00	288.00	18.00	288.00
176		Dump Truck Driver	HR	40	20.00	800.00	22.00	880.00
177		Hourly Equipment	78,000 # Class Excavator	HR	8	130.00	1,040.00	130.00
178	52,000 # Class Excavator		HR	8	120.00	960.00	120.00	960.00
179	45,000 # Class Excavator		HR	8	110.00	880.00	110.00	880.00
180	17,000 # Class Excavator		HR	16	65.00	1,040.00	65.00	1,040.00
181	10,000 # Class Excavator		HR	8	65.00	520.00	60.00	480.00
182	30,000 # Class Rubber Tired Loader		HR	8	70.00	560.00	70.00	560.00
183	Rubber Tired Backhoe / Loader		HR	8	55.00	440.00	55.00	440.00
184	18,000 # Class Track Dozier		HR	8	60.00	480.00	60.00	480.00
185	Vibratory Soil Compactor (Ride On) Up to 66-inch compaction width		HR	4	65.00	260.00	65.00	260.00
186	Vibratory Soil Compactor (Remote Controlled) Up to 48-inch compaction width		HR	4	40.00	160.00	55.00	220.00
187	Dump Truck (Tandem Rear Axle)		HR	40	60.00	2,400.00	65.00	2,600.00
188	Hydro Excavator		HR	40	260.00	10,400.00	125.00	5,000.00
189	Utility Truck Fully Equipped with Hand Tools, Air Tools, Cutting Tools, Mudhog Pump, Generator, Air Compressor, Mechanical Tamp	HR	8	25.00	200.00	25.00	200.00	
190	Equipment Rental		EA	N/A				
191	Supplied Material		EA	N/A				
192	Specialty Services		EA	N/A				

**TOTAL BID
AMOUNT**

747,563.00

787,564.50

*** Bid items shown in red (1-24) were not originally included by Mack Jones

Recommendation:

CCWA staff recommended awarding the annual bid to Don Hall Construction as the Primary Contractor and to Mack Jones Enterprise as the Back-Up Contractor, based on the unit pricing supplied. The Back-Up Contractor will only be utilized if the Primary Contractor cannot provide services when requested.

UPON MOTION by Dr. Cephus Jackson and second by Marie Barber, it was unanimously RESOLVED to award the contract to Don Hall Construction as the Primary Contractor and Mack Jones Enterprise as the Back-Up Contractor based on their unit prices and contingent upon approval of bonds and insurance as required and to authorize the General Manager to sign the contract.

Small Gravity Pipe Replacement Annual Contract Recommendation: Program Management & Engineering Manager Kelly Taylor presented a recommendation on the Small Gravity Pipe Replacement Annual Contract. This annual services contract will include the open cut installation of stormwater and sewer lines up to 24 inches in diameter to support CCWA's pipeline renewal and rehabilitation program.

EXHIBIT 3 – Bid Evaluation

Bids Received	Total Bid Amount	SLBE Notes	SLBE Bid Discount	SLBE Adjusted Bid Amount
Don Hall Construction	\$1,636,375.00	CCWA Certified Prime SLBE	10%	\$1,472,737.50
Civil Works	\$2,630,735.00	CCWA Certified SLBE	10%	\$2,367,661.50
BRTU Construction	\$2,790,077.00	Clayton County Certified SLBE only; no provisional application has been received	0%	\$2,790,077.00

Small Gravity-Flow Pipe Work - BID TABULATION

No.	Work Item	Detail	Unit	Est. Qty.	BRTU CONSTRUCTION		CIVIL WORKS		DON CONSTRUCTION		HALL CONSTRUCTION	
					SLBE <input type="checkbox"/>		SLBE <input type="checkbox"/>		SLBE <input type="checkbox"/>		SLBE <input type="checkbox"/>	
					Unit cost	Extended	Unit cost	Extended	Unit cost	Extended	Unit cost	Extended
1	Lowboy Service	N/A	EA	26	500.00	13,000.00	1,000.00	26,000.00	1,200.00	31,200.00		
2	Emergency Mobilization	N/A	EA	1	1,500.00	1,500.00	3,000.00	3,000.00	1,800.00	1,800.00		
3	Performance and Payment Bonds	For Project Work Orders of \$100,000 to \$125,000	EA	2	2,500.00	5,000.00	3,000.00	6,000.00	1,800.00	3,600.00		
4		For Each Additional \$25,000 Increase	EA	1	600.00	600.00	500.00	500.00	360.00	360.00		
5	Construction Exit	N/A	EA	1	1,200.00	1,200.00	2,500.00	2,500.00	900.00	900.00		
6	Sediment Barrier Installation	Silt Fence - Type A	LF	100	4.00	400.00	3.50	350.00	2.00	200.00		
7		Silt Fence - Type C	LF	1000	5.00	5,000.00	4.00	4,000.00	3.00	3,000.00		
8		Hay Bale	LF	50	7.00	350.00	7.00	350.00	5.00	250.00		
9	Sediment Barrier Removal	N/A	LF	1150	3.50	4,025.00	1.50	1,725.00	1.00	1,150.00		

44	Remove Asphalt Pavement	Up to 4 inch thick layer	SF	3200	6.00	19,200.00	1.50	4,800.00	3.00	9,600.00
45		Greater than 4 inch to 8 inch thick layer	SF	1600	6.00	9,600.00	1.75	2,800.00	4.00	6,400.00
46		Greater than 8 inch to 12 inch thick layer	SF	900	9.00	8,100.00	2.00	1,800.00	5.00	4,500.00
47		Greater than 12 inch thick layer	SF	400	12.00	4,800.00	3.00	1,200.00	6.00	2,400.00
48	Remove Concrete Flat Work	Up to 4 inch thick layer	SF	800	6.00	4,800.00	1.00	800.00	3.00	2,400.00
49		Greater than 4 inch to 8 inch thick layer	SF	1200	6.00	7,200.00	2.00	2,400.00	4.00	4,800.00
50		Greater than 8 inch to 12 inch thick layer	SF	600	10.00	6,000.00	4.00	2,400.00	5.00	3,000.00
51		Greater than 12 inch thick layer	SF	284	12.00	3,408.00	6.00	1,704.00	6.00	1,704.00
52	Curb and Gutter		LF	300	20.00	6,000.00	6.00	1,800.00	5.00	1,500.00
53					Milling Pavement	Up to 1500 SF	EA	1	1,800.00	1,800.00
54	Asphalt Patching	Additional Square Footage	SF	500	1.20	600.00	10.00	5,000.00	4.00	2,000.00
55		3 inch thick layer	SF	2500	6.00	15,000.00	6.00	15,000.00	7.00	17,500.00
56	Asphalt Paving	1 inch thick increment	SF	1000	3.60	3,600.00	5.00	5,000.00	3.50	3,500.00
57		3 inch thick layer	SF	3200	6.00	19,200.00	8.00	25,600.00	6.00	19,200.00
58	Concrete Flatwork	1 inch thick increment	SF	1500	3.60	5,400.00	6.00	9,000.00	3.50	5,250.00
59		Up to 4 inch thick layer	SF	500	7.20	3,600.00	8.00	4,000.00	5.25	2,625.00
60		Greater than 4 inch to 6 inch thick layer	SF	3000	8.30	24,900.00	8.00	24,000.00	6.25	18,750.00
61		Greater than 6 inch to 8 inch thick layer	SF	600	11.00	6,600.00	12.00	7,200.00	8.50	5,100.00
62	Wire Mesh	Greater than 8 inch to 10 inch thick layer	SF	400	12.50	5,000.00	16.00	6,400.00	9.50	3,800.00
63		Wire Mesh	SF	800	2.00	1,600.00	4.00	3,200.00	1.20	960.00
64		Steel Reinforcement	LF	200	2.00	400.00	80.00	16,000.00	5.50	1,100.00
65	Curb and Gutter Replacement	Up to 24 inch width, square back	LF	300	22.00	6,600.00	36.00	10,800.00	25.00	7,500.00
66		Up to 24 inch width, roll back	LF	100	22.00	2,200.00	42.00	4,200.00	25.00	2,500.00
67	Catch Basin Spillway Throat	N/A	LF	36	120.00	4,320.00	62.00	2,232.00	100.00	3,600.00
68	Pavement Striping	Up to 6 inch wide	LF	80	2.50	200.00	8.00	480.00	5.50	440.00
69		24 inch wide	LF	24	3.00	72.00	12.00	288.00	8.50	204.00
70	Pavement Marking	Handicap Symbol	EA	1	1,200.00	1,200.00	600.00	600.00	150.00	150.00
71	Pressure Washing	N/A	SF	400	1.20	480.00	10.00	4,000.00	0.50	200.00
72	Pumping	4-inch Single Pump System	DY	40	1,110.00	44,400.00	400.00	16,000.00	875.00	35,000.00
73		4-inch Redundant Pump System	DY	10	1,300.00	13,000.00	400.00	4,000.00	975.00	9,750.00
74		6-inch Single Pump System	DY	20	1,300.00	26,000.00	800.00	16,000.00	1,200.00	24,000.00
75		6-inch Redundant Pump System	DY	5	1,500.00	7,500.00	900.00	4,500.00	1,400.00	7,000.00
76		8-inch Single Pump System	DY	10	1,900.00	19,000.00	1,000.00	10,000.00	1,750.00	17,500.00
77		8-inch Redundant Pump System	DY	4	2,500.00	10,000.00	1,000.00	4,000.00	1,950.00	7,800.00
78		10-inch Single Pump System	DY	1	4,000.00	4,000.00	1,200.00	1,200.00	3,200.00	3,200.00
79		10-inch Redundant Pump System	DY	1	5,200.00	5,200.00	1,200.00	1,200.00	3,300.00	3,300.00
80		12-inch Single Pump System	DY	1	5,700.00	5,700.00	1,200.00	1,200.00	4,000.00	4,000.00
81		12-inch Redundant Pump System	DY	1	7,000.00	7,000.00	1,200.00	1,200.00	4,200.00	4,200.00
82	Pipe Installation - Open Cut PVC up to 8-inch	Point Repair, up to 6 feet deep	EA	10	3,600.00	36,000.00	3,800.00	38,000.00	3,500.00	35,000.00
83		Point Repair, greater than 6 feet to 10 feet deep	EA	4	4,200.00	16,800.00	4,800.00	19,200.00	4,500.00	18,000.00
84		Point Repair, greater than 10 feet to 14 feet deep	EA	7	5,400.00	37,800.00	7,800.00	54,800.00	6,000.00	42,000.00
85		Point Repair, greater than 14 feet to 18 feet deep	EA	3	6,800.00	19,800.00	12,600.00	37,800.00	8,000.00	24,000.00

Regular Board Meeting
January 5, 2017

5303

86	Additional Footage, up to 6 feet deep	LF	900	28.00	25,200.00	10.00	9,000.00	30.00	27,000.00
87	Additional Footage, greater than 6 feet to 10 feet deep	LF	450	38.00	17,100.00	32.00	14,400.00	40.00	18,000.00
88	Additional Footage, greater than 10 feet to 14 feet deep	LF	800	84.00	67,200.00	48.00	38,400.00	50.00	40,000.00

No.	Work Item	Detail	Unit	Est. Qty.	BRTU CONSTRUCTION		CIVIL WORKS		DON CONSTRUCTION		HALL	
					SLBE		SLBE		SLBE		SLBE	
					Unit cost	Extended	Unit cost	Extended	Unit cost	Extended	Unit cost	Extended
89		Additional Footage, greater than 14 feet to 18 feet deep	LF	200	120.00	24,000.00	72.00	14,400.00	70.00	14,000.00		
90	Pipe Installation - Open Cut PVC greater than 8-inch to 16-inch	Point Repair, up to 6 feet deep	EA	1	3,600.00	3,600.00	7,200.00	7,200.00	4,000.00	4,000.00		
91		Point Repair, greater than 6 feet to 10 feet deep	EA	2	4,200.00	8,400.00	8,400.00	16,800.00	5,000.00	10,000.00		
92		Point Repair, greater than 10 feet to 14 feet deep	EA	4	5,400.00	21,600.00	10,700.00	42,800.00	6,500.00	26,000.00		
93		Point Repair, greater than 14 feet to 18 feet deep	EA	1	6,600.00	6,600.00	14,200.00	14,200.00	8,500.00	8,500.00		
94		Additional Footage, up to 6 feet deep	LF	120	28.00	3,360.00	48.00	5,760.00	35.00	4,200.00		
95		Additional Footage, greater than 6 feet to 10 feet deep	LF	900	38.00	34,200.00	72.00	64,800.00	45.00	40,500.00		
96		Additional Footage, greater than 10 feet to 14 feet deep	LF	100	84.00	8,400.00	72.00	7,200.00	55.00	5,500.00		
97		Additional Footage, greater than 14 feet to 18 feet deep	LF	40	120.00	4,800.00	84.00	3,380.00	75.00	3,000.00		
98		Point Repair, up to 6 feet deep	EA	1	3,600.00	3,600.00	14,200.00	14,200.00	4,500.00	4,500.00		
99		Point Repair, greater than 6 feet to 10 feet deep	EA	3	4,200.00	12,600.00	14,800.00	44,400.00	5,500.00	16,500.00		
100	Point Repair, greater than 10 feet to 14 feet deep	EA	2	5,400.00	10,800.00	16,500.00	33,000.00	7,000.00	14,000.00			
101	Point Repair, greater than 14 feet to 18 feet deep	EA	1	6,600.00	6,600.00	18,600.00	18,600.00	9,000.00	9,000.00			
102	Pipe Installation - Open Cut PVC greater than 16-inch to 24-inch	Additional Footage, up to 6 feet deep	LF	60	28.00	1,680.00	120.00	7,200.00	40.00	2,400.00		
103		Additional Footage, greater than 6 feet to 10 feet deep	LF	60	38.00	2,280.00	120.00	7,200.00	50.00	3,000.00		
104		Additional Footage, greater than 10 feet to 14 feet deep	LF	20	84.00	1,680.00	210.00	4,200.00	60.00	1,200.00		
105		Additional Footage, greater than 14 feet to 18 feet deep	LF	20	120.00	2,400.00	280.00	5,600.00	80.00	1,600.00		
106		Point Repair, up to 6 feet deep	EA	1	3,600.00	3,600.00	4,200.00	4,200.00	3,500.00	3,500.00		
107	Point Repair, greater than 6 feet to 10 feet deep	EA	4	4,200.00	16,800.00	5,200.00	20,800.00	4,500.00	18,000.00			
108	Point Repair, greater than 10 feet to 14 feet deep	EA	2	5,400.00	10,800.00	6,200.00	16,400.00	6,000.00	12,000.00			
109	Point Repair, greater than 14 feet to 18 feet deep	EA	1	6,600.00	6,600.00	12,800.00	12,800.00	8,000.00	8,000.00			
110	Pipe Installation - Open Cut DI up to 8-inch	Additional Footage, up to 6 feet deep	LF	100	28.00	2,800.00	12.00	1,200.00	30.00	3,000.00		
111		Additional Footage, greater than 6 feet to 10 feet deep	LF	60	38.00	2,280.00	38.00	2,280.00	40.00	2,400.00		
112		Additional Footage, greater than 10 feet to 14 feet deep	LF	20	84.00	1,680.00	52.00	1,040.00	50.00	1,000.00		
113		Additional Footage, greater than 14 feet to 18 feet deep	LF	200	120.00	24,000.00	84.00	16,800.00	70.00	14,000.00		
114	Point Repair, up to 6 feet deep	EA	1	3,600.00	3,600.00	8,400.00	8,400.00	4,000.00	4,000.00			
115	Point Repair, greater than 6 feet to 10 feet deep	EA	2	4,200.00	8,400.00	8,600.00	17,200.00	5,000.00	10,000.00			
116	Point Repair, greater than 10 feet to 14 feet deep	EA	2	5,400.00	10,800.00	10,800.00	21,600.00	6,500.00	13,000.00			
117	Point Repair, greater than 14 feet to 18 feet deep	EA	1	6,600.00	6,600.00	14,800.00	14,800.00	8,500.00	8,500.00			
118	Pipe Installation - Open Cut DI greater than 8-inch to 16-inch	Additional Footage, up to 6 feet deep	LF	20	28.00	560.00	52.00	1,040.00	35.00	700.00		
119		Additional Footage, greater than 6 feet to 10 feet deep	LF	20	38.00	760.00	74.00	1,480.00	45.00	900.00		
120		Additional Footage, greater than 10 feet to 14 feet deep	LF	20	84.00	1,680.00	86.00	1,720.00	55.00	1,100.00		

121		Additional Footage, greater than 14 feet to 18 feet deep	LF	20	120.00	2,400.00	120.00	2,400.00	75.00	1,500.00
122	Pipe Installation - Open Cut DI greater than 16-inch to 24-inch	Point Repair, up to 6 feet deep	EA	1	3,600.00	3,600.00	20,800.00	20,800.00	4,500.00	4,500.00
123		Point Repair, greater than 6 feet to 10 feet deep	EA	1	4,200.00	4,200.00	24,000.00	24,000.00	5,500.00	5,500.00
124		Point Repair, greater than 10 feet to 14 feet deep	EA	1	5,400.00	5,400.00	24,800.00	24,800.00	7,000.00	7,000.00
125		Point Repair, greater than 14 feet to 18 feet deep	EA	1	6,600.00	6,600.00	26,400.00	26,400.00	9,000.00	9,000.00
126		Additional Footage, up to 6 feet deep	LF	20	28.00	560.00	240.00	4,800.00	40.00	800.00
127		Additional Footage, greater than 6 feet to 10 feet deep	LF	20	38.00	760.00	240.00	4,800.00	50.00	1,000.00
128		Additional Footage, greater than 10 feet to 14 feet deep	LF	20	84.00	1,680.00	260.00	5,200.00	60.00	1,200.00
129		Additional Footage, greater than 14 feet to 18 feet deep	LF	20	120.00	2,400.00	310.00	6,200.00	80.00	1,600.00
130	Pipe Installation - Open Cut RC up to 16-inch	Point Repair, up to 6 feet deep	EA	1	3,720.00	3,720.00	7,200.00	7,200.00	4,000.00	4,000.00
131		Point Repair, greater than 6 feet to 10 feet deep	EA	1	4,320.00	4,320.00	8,400.00	8,400.00	5,000.00	5,000.00
132		Point Repair, greater than 10 feet to 14 feet deep	EA	1	5,400.00	5,400.00	10,700.00	10,700.00	6,500.00	6,500.00
133		Point Repair, greater than 14 feet to 18 feet deep	EA	1	6,600.00	6,600.00	14,200.00	14,200.00	8,500.00	8,500.00
134		Additional Footage, up to 6 feet deep	LF	20	28.00	560.00	48.00	960.00	35.00	700.00

No.	Work Item	Detail	Unit	Est. Qty.	BRTU CONSTRUCTION		CIVIL WORKS		DON CONSTRUCTION		HALL
					SLBE		SLBE		SLBE		
					Unit cost	Extended	Unit cost	Extended	Unit cost	Extended	
135		Additional Footage, greater than 6 feet to 10 feet deep	LF	20	36.00	760.00	72.00	1,440.00	45.00	900.00	
136		Additional Footage, greater than 10 feet to 14 feet deep	LF	20	84.00	1,680.00	72.00	1,440.00	55.00	1,100.00	
137		Additional Footage, greater than 14 feet to 18 feet deep	LF	10	120.00	1,200.00	84.00	840.00	75.00	750.00	
138	Pipe Installation - Open Cut RC greater than 16-inch to 24-inch	Point Repair, up to 6 feet deep	EA	3	3,720.00	11,160.00	14,200.00	42,600.00	4,500.00	13,500.00	
139		Point Repair, greater than 6 feet to 10 feet deep	EA	2	4,320.00	8,640.00	14,800.00	29,600.00	5,500.00	11,000.00	
140		Point Repair, greater than 10 feet to 14 feet deep	EA	1	5,400.00	5,400.00	16,800.00	16,800.00	7,000.00	7,000.00	
141		Point Repair, greater than 14 feet to 18 feet deep	EA	1	6,600.00	6,600.00	18,800.00	18,800.00	9,000.00	9,000.00	
142		Additional Footage, up to 6 feet deep	LF	200	28.00	5,600.00	120.00	24,000.00	40.00	8,000.00	
143		Additional Footage, greater than 6 feet to 10 feet deep	LF	80	38.00	3,040.00	120.00	9,600.00	50.00	4,000.00	
144		Additional Footage, greater than 10 feet to 14 feet deep	LF	20	84.00	1,680.00	210.00	4,200.00	60.00	1,200.00	
145		Additional Footage, greater than 14 feet to 18 feet deep	LF	20	120.00	2,400.00	280.00	5,600.00	80.00	1,600.00	
146	Pipe Installation - Open Cut HDPE up to 8-inch	Point Repair, up to 6 feet deep	EA	1	3,720.00	3,720.00	3,800.00	3,800.00	3,500.00	3,500.00	
147		Point Repair, greater than 6 feet to 10 feet deep	EA	1	4,320.00	4,320.00	4,800.00	4,800.00	4,500.00	4,500.00	
148		Point Repair, greater than 10 feet to 14 feet deep	EA	1	5,400.00	5,400.00	7,800.00	7,800.00	6,000.00	6,000.00	
149		Point Repair, greater than 14 feet to 18 feet deep	EA	1	6,600.00	6,600.00	12,600.00	12,600.00	8,000.00	8,000.00	
150		Additional Footage, up to 6 feet deep	LF	20	28.00	560.00	10.00	200.00	30.00	600.00	
151		Additional Footage, greater than 6 feet to 10 feet deep	LF	20	38.00	760.00	32.00	640.00	40.00	800.00	
152		Additional Footage, greater than 10 feet to 14 feet deep	LF	20	84.00	1,680.00	48.00	960.00	50.00	1,000.00	
153		Additional Footage, greater than 14 feet to 18 feet deep	LF	4	120.00	480.00	72.00	288.00	70.00	280.00	
154	Pipe Installation - Open Cut HDPE greater than 8-inch to 16-inch	Point Repair, up to 6 feet deep	EA	4	3,720.00	14,880.00	6,000.00	24,000.00	3,500.00	14,000.00	
155		Point Repair, greater than 6 feet to 10 feet deep	EA	1	4,320.00	4,320.00	8,400.00	8,400.00	4,500.00	4,500.00	

156		Point Repair, greater than 10 feet to 14 feet deep	EA	1	5,400.00	5,400.00	10,700.00	10,700.00	8,000.00	8,000.00	
157		Point Repair, greater than 14 feet to 18 feet deep	EA	1	6,600.00	6,600.00	14,200.00	14,200.00	8,000.00	8,000.00	
158		Additional Footage, up to 6 feet deep	LF	60	28.00	1,680.00	52.00	3,120.00	35.00	2,100.00	
159		Additional Footage, greater than 6 feet to 10 feet deep	LF	80	38.00	3,040.00	74.00	5,920.00	45.00	3,600.00	
160		Additional Footage, greater than 10 feet to 14 feet deep	LF	40	84.00	3,360.00	74.00	2,960.00	55.00	2,200.00	
161		Additional Footage, greater than 14 feet to 18 feet deep	LF	40	120.00	4,800.00	88.00	3,520.00	75.00	3,000.00	
162	Pipe Installation - Open Cut HDPE greater than 18-inch to 24-inch	Point Repair, up to 6 feet deep	EA	9	3,720.00	33,480.00	9,000.00	81,000.00	4,500.00	40,500.00	
163		Point Repair, greater than 6 feet to 10 feet deep	EA	7	4,320.00	30,240.00	10,000.00	70,000.00	5,500.00	38,500.00	
164		Point Repair, greater than 10 feet to 14 feet deep	EA	1	5,400.00	5,400.00	12,000.00	12,000.00	7,000.00	7,000.00	
165		Point Repair, greater than 14 feet to 18 feet deep	EA	1	6,600.00	6,600.00	14,000.00	14,000.00	9,000.00	9,000.00	
166		Additional Footage, up to 6 feet deep	LF	200	28.00	5,600.00	120.00	24,000.00	40.00	8,000.00	
167		Additional Footage, greater than 6 feet to 10 feet deep	LF	400	38.00	15,200.00	120.00	48,000.00	50.00	20,000.00	
168		Additional Footage, greater than 10 feet to 14 feet deep	LF	60	84.00	5,040.00	210.00	12,600.00	60.00	3,600.00	
169		Additional Footage, greater than 14 feet to 18 feet deep	LF	20	120.00	2,400.00	280.00	5,600.00	80.00	1,600.00	
170		Pipe Installation - Open Cut CM up to 15-inch	Point Repair, up to 6 feet deep	EA	1	3,720.00	3,720.00	3,200.00	3,200.00	4,000.00	4,000.00
171			Point Repair, greater than 6 feet to 10 feet deep	EA	1	4,320.00	4,320.00	6,200.00	6,200.00	5,000.00	5,000.00
172	Point Repair, greater than 10 feet to 14 feet deep		EA	1	5,400.00	5,400.00	6,800.00	6,800.00	6,500.00	6,500.00	
173	Point Repair, greater than 14 feet to 18 feet deep		EA	1	6,600.00	6,600.00	7,200.00	7,200.00	8,500.00	8,500.00	
174	Additional Footage, up to 6 feet deep		LF	20	28.00	560.00	62.00	1,240.00	35.00	700.00	
175	Additional Footage, greater than 6 feet to 10 feet deep		LF	20	38.00	760.00	68.00	1,360.00	45.00	900.00	
176	Additional Footage, greater than 10 feet to 14 feet deep		LF	20	84.00	1,680.00	72.00	1,440.00	55.00	1,100.00	
177	Additional Footage, greater than 14 feet to 18 feet deep		LF	20	120.00	2,400.00	84.00	1,680.00	75.00	1,500.00	
178	Pipe Installation - Open Cut CM greater than 15-inch to 24-inch	Point Repair, up to 6 feet deep	EA	1	3,720.00	3,720.00	10,200.00	10,200.00	4,500.00	4,500.00	
179		Point Repair, greater than 6 feet to 10 feet deep	EA	1	4,320.00	4,320.00	10,800.00	10,800.00	5,500.00	5,500.00	
180		Point Repair, greater than 10 feet to 14 feet deep	EA	1	5,400.00	5,400.00	11,400.00	11,400.00	7,000.00	7,000.00	
181		Point Repair, greater than 14 feet to 18 feet deep	EA	1	6,600.00	6,600.00	12,200.00	12,200.00	9,000.00	9,000.00	
182		Additional Footage, up to 6 feet deep	LF	20	28.00	560.00	100.00	2,000.00	40.00	800.00	

No.	Work Item	Detail	Unit	Est. Qty.	BRTU CONSTRUCTION		CIVIL WORKS		DON CONSTRUCTION		HALL
					Unit cost	Extended	Unit cost	Extended	Unit cost	Extended	
183		Additional Footage, greater than 6 feet to 10 feet deep	LF	20	38.00	760.00	100.00	2,000.00	50.00	1,000.00	
184		Additional Footage, greater than 10 feet to 14 feet deep	LF	20	84.00	1,680.00	110.00	2,200.00	60.00	1,200.00	
185		Additional Footage, greater than 14 feet to 18 feet deep	LF	20	120.00	2,400.00	140.00	2,800.00	80.00	1,600.00	
186	Pipe Installation - Open Cut FRPM 18-inch to 24-inch	Point Repair, up to 6 feet deep	EA	1	4,320.00	4,320.00	10,200.00	10,200.00	5,000.00	5,000.00	
187		Point Repair, greater than 6 feet to 10 feet deep	EA	1	5,400.00	5,400.00	10,800.00	10,800.00	6,000.00	6,000.00	
188		Point Repair, greater than 10 feet to 14 feet deep	EA	1	6,600.00	6,600.00	12,000.00	12,000.00	7,500.00	7,500.00	
189		Point Repair, greater than 14 feet to 18 feet deep	EA	1	7,800.00	7,800.00	12,800.00	12,800.00	9,500.00	9,500.00	
190		Additional Footage, up to 6 feet deep	LF	20	42.00	840.00	120.00	2,400.00	50.00	1,000.00	
191		Additional Footage, greater than 6 feet to 10 feet deep	LF	20	54.00	1,080.00	120.00	2,400.00	60.00	1,200.00	

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192		Additional Footage, greater than 10 feet to 14 feet deep	LF	20	96.00	1,920.00	210.00	4,200.00	70.00	1,400.00
193		Additional Footage, greater than 14 feet to 18 feet deep	LF	20	125.00	2,520.00	210.00	4,200.00	90.00	1,800.00
194	Pipe Installation - Open Cut Steel Casing up to 18-inch	Up to 6 feet deep	LF	90	28.00	2,520.00	56.00	5,040.00	35.00	3,150.00
195		Greater than 6 feet to 10 feet deep	LF	60	38.00	2,280.00	62.00	3,720.00	40.00	2,400.00
196		Greater than 10 feet to 14 feet deep	LF	60	84.00	5,040.00	78.00	4,680.00	50.00	3,000.00
197		Greater than 14 feet to 18 feet deep	LF	20	120.00	2,400.00	82.00	1,640.00	70.00	1,400.00
198		Weld	EA	2	540.00	1,080.00	2,400.00	4,800.00	50.00	100.00
199	Pipe Installation - Open Cut Steel Casing greater than 18-inch to 24-inch	Up to 6 feet deep	LF	60	28.00	1,680.00	72.00	4,320.00	40.00	2,400.00
200		Greater than 6 feet to 10 feet deep	LF	60	38.00	2,280.00	120.00	7,200.00	45.00	2,700.00
201		Greater than 10 feet to 14 feet deep	LF	60	84.00	5,040.00	240.00	14,400.00	55.00	3,300.00
202		Greater than 14 feet to 18 feet deep	LF	20	120.00	2,400.00	310.00	6,200.00	75.00	1,500.00
203		Weld	EA	2	1,080.00	2,160.00	3,200.00	6,400.00	60.00	120.00
204	Pipe Installation - Open Cut Steel Casing greater than 24-inch to 36-inch	Up to 6 feet deep	LF	60	48.00	2,880.00	84.00	5,040.00	45.00	2,700.00
205		Greater than 6 feet to 10 feet deep	LF	60	48.00	2,880.00	120.00	7,200.00	50.00	3,000.00
206		Greater than 10 feet to 14 feet deep	LF	60	84.00	5,040.00	180.00	10,800.00	60.00	3,600.00
207		Greater than 14 feet to 18 feet deep	LF	20	120.00	2,400.00	240.00	4,800.00	80.00	1,600.00
208		Weld	EA	2	1,320.00	2,640.00	4,200.00	8,400.00	75.00	150.00
209	Cased Bore	12-inch Non Steered	LF	60	150.00	9,000.00	210.00	12,600.00	130.00	7,800.00
210		12-inch Steered	LF	120	180.00	21,600.00	300.00	36,000.00	165.00	19,800.00
211		12-inch Rock Bore (Additional Per)	LF	40	234.00	9,360.00	560.00	22,400.00	500.00	20,000.00
212		18-inch Non Steered	LF	40	234.00	9,360.00	420.00	16,800.00	155.00	6,200.00
213		18-inch Steered	LF	160	294.00	47,040.00	560.00	89,600.00	170.00	27,200.00
214		18-inch Rock Bore (Additional Per)	LF	40	360.00	14,400.00	620.00	24,800.00	500.00	20,000.00
215		24-inch Non Steered	LF	40	270.00	10,800.00	680.00	27,200.00	180.00	7,200.00
216		24-inch Steered	LF	100	360.00	36,000.00	720.00	72,000.00	200.00	20,000.00
217		24-inch Rock Bore (Additional Per)	LF	20	480.00	9,600.00	800.00	16,000.00	500.00	10,000.00
218		36-inch Non Steered	LF	40	360.00	14,400.00	700.00	28,000.00	215.00	8,600.00
219		36-inch Steered	LF	120	474.00	56,880.00	720.00	86,400.00	250.00	30,000.00
220		36-inch Rock Bore (Additional Per)	LF	20	540.00	10,800.00	780.00	15,600.00	600.00	12,000.00
221	Bore Entry Pit	Up to 6 feet deep	VF	12	4,200.00	50,400.00	100.00	1,200.00	200.00	2,400.00
222		Greater than 6 feet deep to 12 feet deep	VF	8	6,600.00	52,800.00	200.00	1,600.00	220.00	1,760.00
223		Greater than 12 feet deep to 18 feet deep	VF	15	9,000.00	135,000.00	200.00	3,000.00	250.00	3,750.00
224		Greater than 18 feet deep	VF	20	12,000.00	240,000.00	240.00	4,800.00	625.00	12,500.00
225	Bore Receiving Pit	Up to 6 feet deep	VF	12	4,200.00	50,400.00	50.00	600.00	200.00	2,400.00
226		Greater than 6 feet deep to 12 feet deep	VF	8	6,600.00	52,800.00	50.00	400.00	220.00	1,760.00
227		Greater than 12 feet deep to 18 feet deep	VF	15	9,000.00	135,000.00	50.00	750.00	250.00	3,750.00
228		Greater than 18 feet deep	VF	20	12,000.00	240,000.00	50.00	1,000.00	625.00	12,500.00
229		PVC up to 8-inch	LF	60	22.00	1,320.00	20.00	1,200.00	20.00	1,200.00

No.	Work Item	Detail	Unit	Est. Qty.	BRTU CONSTRUCTION		CIVIL WORKS		DON CONSTRUCTION		HALL	
					SLBE		SLBE		SLBE		SLBE	
					Unit cost	Extended	Unit cost	Extended	Unit cost	Extended	Unit cost	Extended
230	Pipe Insertion into Steel Casing	PVC greater than 8-inch to 16-inch	LF	170	27.00	4,590.00	20.00	3,400.00	20.00	3,400.00		
231		PVC greater than 16-inch to 24-inch	LF	480	32.00	15,360.00	24.00	11,520.00	20.00	9,600.00		
232		DI up to 8-inch	LF	60	22.00	1,320.00	20.00	1,200.00	20.00	1,200.00		
233		DI greater than 8-inch to 16-inch	LF	170	27.00	4,590.00	20.00	3,400.00	20.00	3,400.00		
234		DI greater than 16-inch to 24-inch	LF	220	32.00	7,040.00	32.00	7,040.00	20.00	4,400.00		
235		FRPM 18-inch to 24-inch	LF	60	36.00	2,160.00	32.00	1,920.00	30.00	1,800.00		
236	Polyethylene Pipe Encasement	For Pipe up to 16-inch	LF	10	54.00	540.00	120.00	1,200.00	5.00	50.00		
237		For Pipe greater than 16-inch to 24-inch	LF	10	66.00	660.00	220.00	2,200.00	6.00	60.00		
238	Pipe Collar Installation	N/A	CF	4	2,520.00	10,080.00	200.00	800.00	40.00	160.00		
239	Flared End Section Installation	For Pipe up to 16-inch	EA	1	420.00	420.00	1,500.00	1,500.00	400.00	400.00		
240		For Pipe greater than 16-inch to 24-inch	EA	1	420.00	420.00	2,400.00	2,400.00	500.00	500.00		
241	Precast Headwall Installation	For Pipe up to 16 Inch	EA	2	420.00	840.00	1,800.00	3,600.00	600.00	1,200.00		
242		For Pipe greater than 16 Inch to 24 Inch	EA	6	420.00	2,520.00	3,200.00	19,200.00	700.00	4,200.00		
243	Precast Manhole Installation	4-foot Base Slab	EA	10	1,080.00	10,800.00	1,200.00	12,000.00	500.00	5,000.00		
244		4-foot Riser	VF	80	162.00	12,960.00	160.00	12,800.00	100.00	8,000.00		
245		5-foot Base Slab	EA	1	1,320.00	1,320.00	2,010.00	2,010.00	600.00	600.00		
246		5-foot Riser	VF	6	162.00	972.00	210.00	1,260.00	120.00	720.00		
247		6-foot Base Slab	EA	4	1,560.00	6,240.00	2,400.00	9,600.00	700.00	2,800.00		
248		6-foot Riser	VF	20	162.00	3,240.00	320.00	6,400.00	130.00	2,600.00		
249	Precast Box / Vault Installation	Up to 5-foot by 5-foot Base Slab	EA	1	2,160.00	2,160.00	1,200.00	1,200.00	1,000.00	1,000.00		
250		Up to 5-foot by 5-foot Riser	VF	6	336.00	2,016.00	200.00	1,200.00	140.00	840.00		
251		Greater than 5-foot by 5-foot to 8-foot by 8-foot Base Slab	EA	1	2,160.00	2,160.00	3,400.00	3,400.00	1,100.00	1,100.00		
252		Greater than 5-foot by 5-foot to 8-foot by 8-foot Riser	VF	6	432.00	2,592.00	320.00	1,920.00	140.00	840.00		
253	Manhole Invert Construction	4-foot Diameter Cast-in-Place Concrete	EA	10	540.00	5,400.00	600.00	6,000.00	450.00	4,500.00		
254		4-foot Diameter Brick and Mortar	EA	2	540.00	1,080.00	800.00	1,600.00	450.00	900.00		
255		5-foot Diameter Cast-in-Place Concrete	EA	1	600.00	600.00	1,200.00	1,200.00	550.00	550.00		
256		5-foot Diameter Brick and Mortar	EA	1	600.00	600.00	1,600.00	1,600.00	550.00	550.00		
257		6-foot Diameter Cast-in-Place Concrete	EA	2	720.00	1,440.00	1,800.00	3,600.00	650.00	1,300.00		
258		6-foot Diameter Brick and Mortar	EA	1	720.00	720.00	2,200.00	2,200.00	650.00	650.00		
259	Other Invert Construction	Cast-in-Place Concrete	SF	8	1,080.00	8,640.00	10.00	80.00	30.00	240.00		
260		Brick and Mortar	SF	4	1,080.00	4,320.00	28.00	112.00	30.00	120.00		
261	Ring and Cover	Installation	EA	10	180.00	1,800.00	400.00	4,000.00	100.00	1,000.00		
262		Additional Height, Per Brick Layer	EA	5	120.00	600.00	100.00	500.00	200.00	1,000.00		
263	Precast Catch Basin Spillway	N/A	EA	1	960.00	960.00	800.00	800.00	500.00	500.00		
264	Precast Catch Basin Top Slab	N/A	EA	1	1,380.00	1,380.00	1,200.00	1,200.00	500.00	500.00		
265	Concrete Core	Up to 4-inch Diameter Core	EA	2	540.00	1,080.00	200.00	400.00	400.00	800.00		
266		Greater than 4-inch to 12-inch Diameter Core	EA	4	570.00	2,280.00	800.00	3,200.00	450.00	1,800.00		

267		Greater than 12-inch to 18-inch Diameter Core	EA	1	600.00	600.00	1,200.00	1,200.00	500.00	500.00
268		Greater than 18-inch to 24-inch Diameter Core	EA	2	720.00	1,440.00	2,400.00	4,800.00	550.00	1,100.00
269	Brick Work	1 Brick Deep Wall Construction	SF	8	11.00	88.00	100.00	800.00	40.00	320.00
270		2 Brick Deep Wall Construction	SF	10	20.00	200.00	200.00	2,000.00	65.00	650.00
271		3 Brick Deep Wall Construction	SF	10	30.00	300.00	300.00	3,000.00	90.00	900.00
272		4 Brick Deep Wall Construction	SF	10	40.00	400.00	400.00	4,000.00	115.00	1,150.00
273	Concrete Work	Bulk	CY	3	480.00	1,440.00	480.00	1,440.00	400.00	1,200.00
274		Form Work	SF	100	2.00	200.00	40.00	4,000.00	3.50	350.00

No.	Work Item	Detail	Unit	Est. Qty.	BRTU CONSTRUCTION		CIVIL WORKS		DON CONSTRUCTION HALL	
					SLBE		SLBE		SLBE	
					Unit cost	Extended	Unit cost	Extended	Unit cost	Extended
275		Steel Reinforcement	LF	200	2.00	400.00	40.00	8,000.00	6.50	1,300.00
276	Cementitious Grouting	Grout Mixed by Hand	CF	4	62.00	248.00	40.00	160.00	30.00	120.00
277		Grout Mixed by Plant	CY	6	324.00	1,944.00	480.00	2,880.00	400.00	2,400.00
278		Pump Mobilization	EA	1	1,440.00	1,440.00	2,800.00	2,800.00	2,500.00	2,500.00
279	Chemical Grouting	Grout	GAL	4	25.00	100.00	680.00	2,720.00	200.00	800.00
280		Pump Mobilization	EA	1	2,500.00	2,500.00	4,200.00	4,200.00	250.00	250.00
281	Pressure Testing	Low Pressure Air	EA	10	2,500.00	25,000.00	900.00	9,000.00	500.00	5,000.00
282		Static Water Level	EA	2	2,500.00	5,000.00	1,400.00	2,800.00	500.00	1,000.00
283	Hourly Labor	Superintendent	HR	8	2,500.00	20,000.00	68.00	544.00	35.00	280.00
284		Foreman	HR	16	50.00	800.00	45.00	736.00	25.00	400.00
285		Operator	HR	24	38.00	912.00	32.00	768.00	25.00	600.00
286		Pipe Layer	HR	16	35.00	560.00	28.00	448.00	20.00	320.00
287		Laborer	HR	24	30.00	720.00	22.00	528.00	18.00	432.00
288		Dump Truck Driver	HR	20	25.00	500.00	24.00	480.00	20.00	400.00
289			78,000 # Class Excavator	HR	8	300.00	2,400.00	88.00	704.00	130.00
290		52,000 # Class Excavator	HR	8	200.00	1,600.00	72.00	576.00	120.00	960.00
291		45,000 # Class Excavator	HR	8	150.00	1,200.00	52.00	416.00	110.00	880.00
292		17,000 # Class Excavator	HR	8	120.00	960.00	48.00	384.00	65.00	520.00
293		10,000 # Class Excavator	HR	8	100.00	800.00	42.00	336.00	65.00	520.00
294	Hourly Equipment	30,000 # Class Rubber Tired Loader	HR	8	150.00	1,200.00	48.00	384.00	70.00	560.00
295		Rubber Tired Backhoe / Loader	HR	8	150.00	1,200.00	42.00	336.00	55.00	440.00
296		18,000 # Class Track Dozier	HR	8	200.00	1,600.00	54.00	432.00	60.00	480.00
297		Vibratory Soil Compactor (Ride On) Up to 66-inch compaction width	HR	8	100.00	800.00	28.00	224.00	65.00	520.00
298		Vibratory Soil Compactor (Remote Controlled) Up to 48-inch compaction width	HR	8	80.00	640.00	24.00	192.00	40.00	320.00
299		Dump Truck (Tandem Rear Axle)	HR	20	100.00	2,000.00	72.00	1,440.00	60.00	1,200.00
300		Hydro Excavator	HR	20	300.00	6,000.00	110.00	2,200.00	280.00	5,200.00
301		Utility Truck Fully Equipped with Hand Tools, Air Tools,	HR	8	200.00	1,600.00	11.00	88.00	25.00	200.00

		Cutting Tools, Mudhog Pump, Generator, Air Compressor, Mechanical Tamp								
302	Equipment Rental	N/A	10%	N/A						
303	Supplied Material	N/A	10%	N/A						
304	Specialty Services	N/A	10%	N/A						
TOTAL BID AMOUNT							2,790,077.00	2,630,735.00	1,636,375.00	

Recommendation:

CCWA staff recommended awarding the annual bid to Don Hall Construction as the Primary Contractor, based on the unit pricing supplied. CCWA staff would like to also award to Civil Works and BRTU Construction as Back-Up Contractors. Should the Primary Contractor not be able to responsive to a particular job request, staff would award that job to one of the Back-Up Contractors based on the contractor with the most comparable cost.

UPON MOTION by Rodney Givens and second by John Westervelt, it was unanimously

RESOLVED to award the contract to Don Hall Construction as the Primary Contractor along with Civil Works and BRTU Construction as Back-Up Contractors based on their unit prices and contingent upon approval of bonds and insurance as required and to authorize the General Manager to sign the contract.

Customer Information System Replacement Proposal: Customer Accounts Director Teresa Worley presented a proposal on Replacement of the Customer Information System. The Customer Information System is used to manage all of our customer data including meter readings, bill production and customer contact information. The current system is being replaced due to performance issues that have impacted our responsiveness to customers and the difficulty of integrating the system with other software such as our geographic information systems and pipeline maintenance management systems.

Proposal Evaluation Rank	Proposer	Proposal Points	Cost	Cost Points	Total Points	Proposed SLBE Utilization **
1	Systems & Software (Harris)	106.24	\$2,383,690	28.50	134.74	5.0%
2	Cayenta (Harris)	98.78	\$3,093,175	27.00	125.78	14.0%
3	Vertex One (SAP)	102.45	\$4,525,666	22.50	124.95	0.0%
4	Advanced Utility Systems (Harris)	93.88	\$1,798,625	30.00	123.88	0.0%
5	Origin (Option 2)	101.74	\$7,480,604	21.00	122.74	10.0%
6	Quintel Management Consulting (SAP)	97.58	\$3,845,808	24.00	121.58	2.5%
7	Origin (Option 1)	101.59	\$7,490,604	19.50	121.09	10.0%
8	Origin (Option 4)	102.05	\$7,722,874	18.00	120.05	10.0%
9	Origin (Option 3)	101.81	\$7,732,874	16.50	118.31	10.0%
10	itineris	91.11	\$3,659,490	25.50	116.61	0.0%

** Based on total system implementation costs

Short-List Vendors

Staff is also requesting approval of other CIS implementation costs to include managed services for one year, contingency for professional services during implementation, temporary staffing services while our staff is involved in implementation and testing and the cost for temporary office space for the implementation team as outlined below.

Other Costs	Expense
Cayenta Managed Services	\$68,400
Cayenta Contingency hours - 2200 @\$175/hour	\$385,000
Backfilling Personnel (6 temps for 12 mos.) – SLBE	\$250,000
Implementation Team office space	\$85,000
Total Other Expenses	\$788,400

Recommendation:

Staff recommended this contract be awarded to Cayenta and procurement of the hardware from the State of Georgia contract for the not to exceed lump sum cost of \$3,093,175. Additionally, the staff recommends Board approval for an additional \$788,400 to cover the cost of the other implementation cost to support the project as identified above.

UPON MOTION by John Westervelt and second by Dr. Cephus Jackson, it was

RESOLVED to approve staff recommendation to award the Customer Information System Replacement Proposal to Cayenta for software and implementation services as proposed; purchase of required hardware at State Contract pricing and approval of other project expense items as presented and contingent upon approval of bonds and insurance as

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required and to authorize the General Manager to sign the contract. In favor: John Chafin, Rodney Givens, John Westervelt, Marie Barber, Dr. Cephus Jackson and Robin Malone. Opposed: Elizabeth G. Armstrong.

Executive Session

UPON MOTION by Marie Barber and second by John Westervelt, it was unanimously RESOLVED to enter into an Executive Session in order to discuss personnel and legal matters.

UPON MOTION by John Westervelt and second by Dr. Cephus Jackson, it was unanimously

RESOLVED to leave the Executive Session and return to open session.

UPON MOTION by John Westervelt and second by Marie Barber, it was unanimously RESOLVED to approve the minutes of the Executive Session as presented.

Updates from the Board Members and General Manager

Karen Riser presented an update on the SLBE Program.

Adjourn

UPON MOTION by Dr. Cephus Jackson and second by Marie Barber it was unanimously

RESOLVED to adjourn the Board Meeting at 4:54 p.m., there being no further business to come before the Board of Directors.



John Chafin, Chairman



John Westervelt, Secretary/Treasurer