

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

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, Board Member Vivian Baldwin, General Manager Mike Thomas, Assistant General Manager Jim Poff, Assistant General Manager Bernard Franks, Legal Counsel Steve Fincher, Executive Coordinator Amanda La Pierre, other CCWA staff and visitors.

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

Invocation

John Chafin introduced Sr. Engineering Technician Michael Shinn to give the invocation.

Adoption of Agenda

UPON MOTION by Dr. Cephus Jackson and second by Vivian Baldwin, 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 November 2, 2017.

UPON MOTION by Dr. Cephus Jackson and second by Vivian Baldwin, it was unanimously

RESOLVED to approve the Regular Board Meeting Minutes of November 2, 2017.

Financial and Statistical Reports

Finance Director Allison Halron reviewed the financial information distributed to the Board for the period ending October 31, 2017. Information only, no action taken.

Recognition

State Representative Mike Glanton presented an announcement on the status of recent Stormwater proposed legislation. Information only, no action taken.

Public Information Officer Suzanne Brown recognized the Authority for receiving the Georgia Local Government Personnel Association (GLGPA) Agency Award of Excellence for the overall quality, accomplishments and contributions of its Human Resources

program; specifically in the area of developing a succession planning program. Information only, no action taken.

Public Information Officer Suzanne Brown also recognized the Authority for receiving both the Distribution System Gold Award and the Collection System Platinum Award at the annual Fall Georgia Association of Water Professionals (GAWP) Conference. Information only, no action taken.

New Business

Annual Contract for Tree Removal Services RFB: Stormwater Program Director Kevin Osbey presented a recommendation on the Annual Contract for Tree Removal Services RFB.

On occasion, CCWA needs the services of an experienced and qualified tree removal company to perform tree trimming, cutting and removal along with brush clearing and removal. Most of the trees and brush are located above underground water, sewer, and stormwater infrastructure in need of repair or replacement.

Contractor	Total Bid Summary	CCWA SLBE Vendor	SLBE Bid Summary
Graham County Land Co., LLC	\$208,350.00	No	\$208,350.00
Treeworks	\$225,584.00	Yes (7.5%)	\$208,665.20
Rhino Services, LLC	\$270,796.00	No	\$270,796.00
Premier Tree & Shrub Care	\$281,645.00	No	\$281,645.00
Landrum Tree Services	\$306,372.00	No	\$306,372.00
Atlanta Premier Tree Solutions, LLC			

Atlanta Premier Tree Solutions, LLC bid was deemed non-responsive. They failed to provide pricing, per the required “Unit of Measure”, on numerous work items on the Bid Form.

UNIT PRICING

No.	Work Item	Detail	Unit	Atlanta Premier Tree	Graham County Land Company,	Landrum Tree Service	Premier Tree & Shrub Care	Rhino services, LLC	TREWORKS
				Unit Cost	Unit Cost	Unit Cost	Unit Cost	Unit Cost	Unit Cost
1	Emergency Mobilization		EA	400.00	3,000.00	400.00	195.00	425.00	450.00

Regular Board Meeting
December 7, 2017

5388

2	Tree Cutting and Removal	Removal of trees 4" to 8" DBH	EA	84.00	57.50	98.50	75.00	95.00	65.00
3	Tree Cutting and Removal	Removal of trees > 8" to 16" DBH	EA	168.00	172.50	182.50	275.00	175.00	175.00
4	Tree Cutting and Removal	Removal of trees > 16" to 24" DBH	EA	336.00	287.50	385.00	375.00	375.00	350.00
5	Tree Cutting and Removal	Removal of trees > 24" to 32" DBH	EA	504.00	373.25	559.00	500.00	560.00	500.00
6	Tree Cutting and Removal	Removal of trees > 32" DBH	EA	672.00	575.00	845.00	700.00	750.00	700.00
7	Tree Stump Grinding and Removal	Stump Grinding 4" to 8" DIA	EA	12.00	25.00	12.00	25.00	10.00	10.00
8	Tree Stump Grinding and Removal	Stump Grinding > 8" to 16" DIA	EA	24.00	37.50	19.00	50.00	20.00	20.00
9	Tree Stump Grinding and Removal	Stump Grinding > 16" to 24" DIA	EA	48.00	75.00	45.00	95.00	40.00	40.00
10	Tree Stump Grinding and Removal	Stump Grinding > 24" to 32" DIA	EA	96.00	125.00	95.00	125.00	60.00	60.00
11	Tree Stump Grinding and Removal	Stump Grinding > 32" DIA	EA	192.00	175.00	150.00	125.00	80.00	80.00
12	Tree Trimming and Removal	Tree Trimming up to 4" DIA	EA	45.00	60.00	59.00	75.00	55.00	35.00
13	Tree Trimming and Removal	Tree Trimming > 4" to 8" DIA	EA	90.00	120.00	89.00	200.00	95.00	60.00
14	Tree Trimming and Removal	Tree Trimming > 8" to 16" DIA	EA	180.00	180.00	195.00	250.00	175.00	175.00
15	Tree Trimming and Removal	Tree Trimming > 16" to 24" DIA	EA	360.00	250.00	349.00	300.00	375.00	350.00
16	Tree Trimming and Removal	Tree Trimming > 24" DIA	EA	540.00	500.00	450.00	375.00	550.00	500.00
17	Mechanical Bush Hogging/Brush Clearing	Areas Less that 5,000 S.F.	SF	0.04	0.15	0.29	0.05	0.03	0.04
18	Mechanical Bush Hogging/Brush Clearing	Areas between 5,001 S.F. to 20,000 S.F.	SF	0.03	0.06	0.03	0.05	0.02	0.03
19	Mechanical Bush Hogging/Brush Clearing	Areas between 20,001 S.F. to 40,000 S.F.	SF	0.02	0.03	0.02	0.05	0.02	0.02
20	Mechanical Bush Hogging/Brush Clearing	Areas greater than 40,001 S.F.	SF	0.01	0.03	0.02	0.05	0.02	0.01
21	Manual Brush Clearing and Removal	Areas Less that 5,000 S.F.	SF	0.25	0.30	0.19	0.25	0.03	0.25
22	Manual Brush Clearing and Removal	Areas between 5,001 S.F. to 20,000 S.F.	SF	0.23	0.11	0.19	0.25	0.03	0.23
23	Manual Brush Clearing and Removal	Areas between 20,001 S.F. to 40,000 S.F.	SF	0.20	0.07	0.19	0.25	0.03	0.20
24	Manual Brush Clearing and Removal	Areas greater than 40,001 S.F.	SF	0.13	0.07	0.19	0.25	0.03	0.18
25	Tree Inventory & Surveying	Consultation Services	HR	25.00	200.00	28.50	60.00	50.00	30.00
26	Hourly Labor	Superintendent	HR	30.00	85.00	125.00	40.00	35.00	27.00
27	Hourly Labor	Foreman	HR	30.00	75.00	125.00	30.00	25.00	19.50
28	Hourly Labor	Operator	HR	25.00	60.00	125.00	20.00	15.00	21.00
29	Hourly Labor	Laborer/Climbers	HR	30.00	45.00	185.00	18.00	35.00	25.00
30	Hourly Labor	Dump Truck Driver	HR	25.00	60.00	75.00	20.00	35.00	27.00
31	Hourly Equipment	17,000 # Class Excavator	HR	600.00	75.00	95.00	60.00	65.00	75.00
32	Hourly Equipment	10,000 # Class Excavator	HR	500.00	65.00	95.00	30.00	40.00	65.00

UNIT PRICING

No.	Work Item	Detail	Unit	Atlanta Premier Tree	Graham County Land Company,	Landrum Tree Service	Premier Tree & Shrub Care	Rhino services, LLC	TREWORKS
				Unit Cost	Unit Cost	Unit Cost	Unit Cost	Unit Cost	Unit Cost
33	Hourly Equipment	30,000 # Class Rubber Tired Loader	HR	850.00	85.00	125.00	80.00	38.00	100.00

34	Hourly Equipment	Rubber Tired Backhoe / Loader	HR	102.50	85.00	125.00	30.00	32.00	45.00
35	Hourly Equipment	18,000 # Class Track Dozier	HR	750.00	85.00	295.00	100.00	42.00	63.00
36	Hourly Equipment	Dump Truck (Tandem Rear Axle)	HR	102.50	85.00	150.00	125.00	60.00	75.00
37	Hourly Equipment	Utility Truck - Fully Equipped	HR	102.50	40.00	300.00	45.00	25.00	35.00
38	Hourly Equipment	Boom Truck - Min 55' Vertical Reach	HR	185.00	120.00	300.00	65.00	35.00	95.00
39	Hourly Equipment	Grapple Truck with Dump Body	HR	100.00	150.00	400.00	125.00	55.00	75.00
40	Hourly Equipment	Shredder/Chipper 6" Capacity	HR	102.50	50.00	31.25	35.00	15.00	30.00
41	Hourly Equipment	Shredder/Chipper 12" Capacity	HR	102.50	80.00	31.25	35.00	30.00	40.00
42	Hourly Equipment	Shredder/Chipper 18" Capacity	HR	102.50	125.00	42.50	35.00	40.00	60.00
43	Equipment Rental	10% Mark Up	EA						
44	Supplied Material	10% Mark Up	EA						
45	Specialty Services	10% Mark Up	EA						

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Recommendation:

CCWA staff recommended awarding the annual contract to Graham County Land Co., LLC. as the primary contractor and to Treeworks as the secondary contractor for a period of one year at the unit pricing provided.

UPON MOTION by Dr. Cephus Jackson and second by Rodney Givens, it was unanimously

RESOLVED to award the Annual Contract for Tree Removal Services to Graham County Land Co., LLC. as the primary vendor and Treeworks as the secondary vendor for a period of one year, contingent upon approval of bonds and insurance as required and to authorize the General Manager to sign the contract.

Hooper Solids Improvements Design & Bid Services: Water Production Manager Kendra Stanciel presented a recommendation on the Hooper Solids Improvements Design & Bid Services.

The purpose of this Task Order is to perform design and bids services for the W.J. Hooper WPP Residual Solids Handling Improvement Project. Over the course of several years, the W.J. Hooper Plant has had continued issues with its residual solids handling system. CCWA requested the assistance of River to Tap (R2T) to assess the overall limitations of the residual solids handling system and identify improvements that could be made. R2T gave us several options and this task order will provide a basis of design, 30, 60, 90, and 100% design-bid-build procurement package including contracting requirements, technical plans and specifications for the option chosen by the staff at CCWA.

Recommendation:

CCWA staff recommended awarding the task order to R2T for the W.J. Hooper Residual Solids Handling Improvement Project in the amount of \$478,417.25.

UPON MOTION by Marie Barber and second by Dr. Cephus Jackson, it was unanimously RESOLVED to award the task order to R2T for a not to exceed cost of \$478,417.25 and to authorize the General Manager to sign the task order.

Northeast WRF Phosphorus Treatment Evaluation: Water Reclamation Manager Chris Hamilton presented a recommendation on the Northeast WRF Phosphorus Treatment Evaluation.

The purpose of this task order is to perform a tertiary phosphorus polishing technology evaluation for the Northeast WRF. Currently the Northeast WRF is operating at the 6 MGD/B1 NPDES permit limits. Due to increased flows to the Northeast WRF, and the potential to send additional flows in the future, the plant permitted capacity will need to be increased from 6 MGD to 10 MGD. The 10 MGD/B2 NPDES permit requires meeting a lower total phosphorus limit of 0.18 mg/L. This evaluation is needed in order to select a phosphorus polishing technology to meet the more stringent requirement. The engineering support included in the task order will include the development of a list of potential tertiary polishing technologies, lab scale testing for chemical addition evaluation, preparation of final report with data results and recommendations, and the preliminary engineering report for the selected technology to provide a more defined cost estimate and implementation plan.

Recommendation:

CCWA staff recommended awarding the task order to CH2M for the Northeast WRF Phosphorus Treatment Technology Evaluation in the amount of \$249,657.00.

UPON MOTION by Marie Barber and second by Dr. Cephus Jackson, it was unanimously RESOLVED to award the task order to CH2M for a not to exceed cost of \$249,657.00 and to authorize the General Manager to sign the task order.

Flint River Outfall Phase 3 Design Services: Program Management and Engineering Manager Kelly Taylor presented a recommendation on the Flint River Outfall Phase 3 Design Services.

CCWA began a rehabilitation and renewal program focused on its sewer outfalls (pipes 15-inches and larger) in Fiscal Year 2014. The program has focused on the oldest pipe, which is severely degraded. Since FY2014, CCWA has designed Phase 1a, 1b, and 2 of the Flint River Outfall. Phases 1 and 1b have been constructed. In order to expedite the replacement of our degraded sewer outfalls, CCWA executed a loan for \$25 million with the Georgia Environmental Finance Authority in June 2017. The construction contract for Phase 2 (12,200 feet) was approved at the October 2017 Board of Directors meeting and

the majority of the project will be funded by the GEFA loan. In order to complete the projects under the GEFA loan in a timely manner, CCWA would like to utilize one of our On-Demand Engineering Firms for design services for Phase 3.

Recommendation:

Staff recommended awarding the task order to Engineering Strategies, Inc. for the Flint River Outfall Replacement Phase 3 Design in the amount of \$208,194.00.

UPON MOTION by Robin Malone and second by Dr. Cephus Jackson, it was unanimously RESOLVED to award the task order to Engineering Strategies, Inc. at a not to exceed cost of \$208, 194.00 and to authorize the General Manager to sign the task order.

Sewer System Evaluation Services RFP Recommendation: Program Management and Engineering Manager Kelly Taylor presented a recommendation on the Sewer System Evaluation Services RFP Recommendation.

CCWA utilizes annual services contracts to support our sewer pipeline rehabilitation program. Work orders are assigned, and work is typically for a targeted geographic area based on what we know about the level of inflow/infiltration, capacity, or prior problems identified in the field. While the contract allows for several types of inspection activities and methods, typically, the contract is used for flow monitoring, cleaning, closed-circuit television (CCTV), smoke testing, and manhole inspections. Inspection data is received in a geodatabase and is processed through a program called Infomaster, which identifies specific repair and replacement projects. These projects are then implemented with our open cut and cured-in-place pipe (CIPP) annual services contracts, which are managed by our Construction Services group.

Proposal Evaluation

Proposals Received	Total Proposal Cost	SLBE Points (Maximum = 10)	Total Points (Maximum = 110)
Woolpert Inc.	\$1,384,627.50	7.5	100.27
McKim & Creed, Inc.	\$1,403,650.00	7.5	94.77
Video Industrial Services Inc.	\$1,394,787.50	7.5	83.59
Metals & Materials Engineers	\$1,426,500.00	7.5	83.38
Southeast Pipe Survey, Inc.	\$1,243,394.00	7.5	79.87
Diversified Infrastructure Services	\$1,566,150.00	2.5	51.40

CLAYTON COUNTY WATER AUTHORITY
(Step 2) COST PROPOSAL OPENING TABULATION SHEET

THE ATTENDEES OF THE COST PROPOSAL OPENING SHOULD CONSIST OF THE LEAD EVALUATOR, ONE EVALUATOR, A RECORDER, AND THE RISK MANAGER

Project Name: Sewer System Evaluation Surveys

Proposal Opening: October 10, 2017

Diversified Infrastructure Services, Inc.	McKim & Creed, Inc.	Metal & Materials Engineers, LLC	Southeast Pipe Survey, Inc.	Video Industrial Services	Woolpert, Inc.
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No.	Work Item	Unit	Quantity	Unit Cost	Extended Cost										
1	Mobilization for Project Work	EA	15	\$ 500.00	\$ 7,500.00	\$ 500.00	\$ 7,500.00	\$ 500.00	\$ 7,500.00	\$ 500.00	\$ 7,500.00	\$ 500.00	\$ 7,500.00	\$ 500.00	\$ 7,500.00
2	Manhole Inspection	EA	870	\$ 95.00	\$ 82,650.00	\$ 110.00	\$ 95,700.00	\$ 85.00	\$ 73,950.00	\$ 50.00	\$ 43,500.00	\$ 105.00	\$ 91,350.00	\$ 98.00	\$ 85,260.00
2a	- Add manhole location to inspection	EA	50	\$ 25.00	\$ 1,250.00	\$ 45.00	\$ 2,250.00	\$ 10.00	\$ 500.00	\$ 10.00	\$ 500.00	\$ 45.00	\$ 2,250.00	\$ 10.00	\$ 500.00
3	Trunk Line Manhole Inspection	EA	290	\$ 200.00	\$ 58,000.00	\$ 210.00	\$ 60,900.00	\$ 115.00	\$ 33,350.00	\$ 55.00	\$ 15,950.00	\$ 105.00	\$ 30,450.00	\$ 116.00	\$ 33,640.00
4	Smoke Testing	LF	270,000	\$ 0.60	\$ 162,000.00	\$ 0.45	\$ 121,500.00	\$ 0.55	\$ 148,500.00	\$ 0.43	\$ 116,100.00	\$ 0.45	\$ 121,500.00	\$ 0.41	\$ 110,700.00
5	CCTV - up to 12-inch diameter	LF	270,000	\$ 1.65	\$ 445,500.00	\$ 1.70	\$ 459,000.00	\$ 1.55	\$ 418,500.00	\$ 1.50	\$ 405,000.00	\$ 1.85	\$ 499,500.00	\$ 1.73	\$ 467,100.00
6	CCTV - larger than 12-inch to 18-inch diameter	LF	15,000	\$ 1.75	\$ 26,250.00	\$ 2.90	\$ 43,500.00	\$ 2.10	\$ 31,500.00	\$ 1.80	\$ 27,000.00	\$ 2.00	\$ 30,000.00	\$ 1.90	\$ 28,500.00
7	CCTV - larger than 18-inch to 24-inch diameter	LF	3,000	\$ 1.85	\$ 5,550.00	\$ 3.35	\$ 10,050.00	\$ 3.25	\$ 9,750.00	\$ 2.25	\$ 6,750.00	\$ 2.50	\$ 7,500.00	\$ 2.37	\$ 7,110.00
8	CCTV - larger than 24-inch to 36-inch diameter	LF	1,500	\$ 2.25	\$ 3,375.00	\$ 4.35	\$ 6,525.00	\$ 4.25	\$ 6,375.00	\$ 2.45	\$ 3,675.00	\$ 2.50	\$ 3,750.00	\$ 2.37	\$ 3,555.00
9	CCTV - larger than 36-inch to 48-inch diameter	LF	750	\$ 2.75	\$ 2,062.50	\$ 7.50	\$ 5,625.00	\$ 5.25	\$ 3,937.50	\$ 2.45	\$ 1,837.50	\$ 2.50	\$ 1,875.00	\$ 2.37	\$ 1,777.50
10	CCTV Only, No Cleaning up to 12-inch Diameter	LF	2,000	\$ 0.90	\$ 1,800.00	\$ 1.85	\$ 3,700.00	\$ 1.50	\$ 3,000.00	\$ 1.00	\$ 2,000.00	\$ 1.35	\$ 2,700.00	\$ 1.45	\$ 2,900.00
11	CCTV Only, No Cleaning Larger than 12-inch to 18-inch Diameter	LF	6,000	\$ 1.10	\$ 6,600.00	\$ 2.85	\$ 17,100.00	\$ 2.20	\$ 13,200.00	\$ 1.00	\$ 6,000.00	\$ 1.35	\$ 8,100.00	\$ 1.60	\$ 9,600.00
12	CCTV Only, No Cleaning Larger Than 18-inch to 24-inch Diameter	LF	2,000	\$ 1.20	\$ 2,400.00	\$ 3.00	\$ 6,000.00	\$ 3.20	\$ 6,400.00	\$ 1.25	\$ 2,500.00	\$ 1.35	\$ 2,700.00	\$ 2.15	\$ 4,300.00
13	CCTV Only, No Cleaning Larger than 24-inch to 36-inch Diameter	LF	1,000	\$ 1.70	\$ 1,700.00	\$ 3.50	\$ 3,500.00	\$ 4.20	\$ 4,200.00	\$ 1.55	\$ 1,550.00	\$ 1.35	\$ 1,350.00	\$ 2.20	\$ 2,200.00
14	CCTV Only, No Cleaning Larger than 36-inch to 48-inch Diameter	LF	500	\$ 2.00	\$ 1,000.00	\$ 4.00	\$ 2,000.00	\$ 5.20	\$ 2,600.00	\$ 2.15	\$ 1,075.00	\$ 1.35	\$ 675.00	\$ 2.20	\$ 1,100.00
15	Flow Bypassing - up to 12-inch diameter	Day	10	\$ 2,250.00	\$ 22,500.00	\$ 1,050.00	\$ 10,500.00	\$ 1,200.00	\$ 12,000.00	\$ 450.00	\$ 4,500.00	\$ 1,500.00	\$ 15,000.00	\$ 1,704.00	\$ 17,040.00
16	Flow Bypassing - larger than 12-inch to 18-inch diameter	Day	10	\$ 2,750.00	\$ 27,500.00	\$ 1,750.00	\$ 17,500.00	\$ 1,800.00	\$ 18,000.00	\$ 1,000.00	\$ 10,000.00	\$ 2,000.00	\$ 20,000.00	\$ 1,930.00	\$ 19,300.00
17	Flow Bypassing - larger than 18-inch to 24-inch diameter	Day	10	\$ 4,200.00	\$ 42,000.00	\$ 2,500.00	\$ 25,000.00	\$ 3,000.00	\$ 30,000.00	\$ 2,000.00	\$ 20,000.00	\$ 2,500.00	\$ 25,000.00	\$ 3,500.00	\$ 35,000.00
18	Flow Bypassing - larger than 24-inch to 36-inch diameter	Day	10	\$ 4,800.00	\$ 48,000.00	\$ 3,250.00	\$ 32,500.00	\$ 3,500.00	\$ 35,000.00	\$ 3,400.00	\$ 34,000.00	\$ 3,000.00	\$ 30,000.00	\$ 4,000.00	\$ 40,000.00
19	Flow Bypassing - larger than 36-inch to 48-inch diameter	Day	10	\$ 5,760.00	\$ 57,600.00	\$ 4,800.00	\$ 48,000.00	\$ 4,500.00	\$ 45,000.00	\$ 4,500.00	\$ 45,000.00	\$ 3,500.00	\$ 35,000.00	\$ 4,800.00	\$ 48,000.00
20	Heavy Cleaning - up to 12-inch diameter	LF	60,000	\$ 1.00	\$ 60,000.00	\$ 1.10	\$ 66,000.00	\$ 2.45	\$ 147,000.00	\$ 1.00	\$ 60,000.00	\$ 1.00	\$ 60,000.00	\$ 1.10	\$ 66,000.00
21	Heavy Cleaning - larger than 12-inch to 18-inch diameter	LF	5,000	\$ 3.00	\$ 15,000.00	\$ 3.50	\$ 17,500.00	\$ 6.00	\$ 30,000.00	\$ 2.00	\$ 10,000.00	\$ 2.00	\$ 10,000.00	\$ 4.13	\$ 20,650.00
22	Heavy Cleaning - larger than 18-inch to 24-inch diameter	LF	3,000	\$ 3.20	\$ 9,600.00	\$ 4.25	\$ 12,750.00	\$ 7.25	\$ 21,750.00	\$ 4.25	\$ 12,750.00	\$ 3.00	\$ 9,000.00	\$ 4.95	\$ 14,850.00
23	Heavy Cleaning - larger than 24-inch to 36-inch diameter	LF	1,500	\$ 4.20	\$ 6,300.00	\$ 12.00	\$ 18,000.00	\$ 10.25	\$ 15,375.00	\$ 5.45	\$ 8,175.00	\$ 6.00	\$ 9,000.00	\$ 9.98	\$ 14,970.00
24	Heavy Cleaning - larger than 36-inch to 48-inch diameter	LF	750	\$ 6.75	\$ 5,062.50	\$ 15.00	\$ 11,250.00	\$ 15.75	\$ 11,812.50	\$ 9.45	\$ 7,087.50	\$ 10.00	\$ 7,500.00	\$ 11.50	\$ 8,625.00
25	Grease / Root Removal - up to 12-inch diameter	LF	38,000	\$ 2.00	\$ 76,000.00	\$ 1.50	\$ 57,000.00	\$ 1.25	\$ 47,500.00	\$ 1.00	\$ 38,000.00	\$ 1.50	\$ 57,000.00	\$ 1.90	\$ 72,200.00
26	Grease / Root Removal - larger than 12-inch to 18-inch diameter	LF	4,000	\$ 2.80	\$ 11,200.00	\$ 2.00	\$ 8,000.00	\$ 3.00	\$ 12,000.00	\$ 2.00	\$ 8,000.00	\$ 2.00	\$ 8,000.00	\$ 2.20	\$ 8,800.00
27	Grease / Root Removal - larger than 18-inch to 24-inch diameter	LF	2,000	\$ 3.65	\$ 7,300.00	\$ 3.00	\$ 6,000.00	\$ 4.25	\$ 8,500.00	\$ 2.00	\$ 4,000.00	\$ 2.50	\$ 5,000.00	\$ 3.30	\$ 6,600.00
28	Grease / Root Removal - larger than 24-inch to 36-inch diameter	LF	1,000	\$ 4.25	\$ 4,250.00	\$ 4.00	\$ 4,000.00	\$ 7.25	\$ 7,250.00	\$ 4.00	\$ 4,000.00	\$ 4.00	\$ 4,000.00	\$ 4.40	\$ 4,400.00
29	Grease / Root Removal - larger than 36-inch to 48-inch diameter	LF	500	\$ 7.00	\$ 3,500.00	\$ 10.00	\$ 5,000.00	\$ 8.25	\$ 4,125.00	\$ 5.00	\$ 2,500.00	\$ 5.00	\$ 2,500.00	\$ 5.25	\$ 2,625.00
30	Dye Flood Testing	EA	20	\$ 1,250.00	\$ 25,000.00	\$ 900.00	\$ 18,000.00	\$ 750.00	\$ 15,000.00	\$ 200.00	\$ 4,000.00	\$ 750.00	\$ 15,000.00	\$ 1,100.00	\$ 22,000.00
31	Flow Meter Inspection and Installation/Removal	EA	15	\$ 750.00	\$ 11,250.00	\$ 800.00	\$ 12,000.00	\$ 750.00	\$ 11,250.00	\$ 1,479.00	\$ 22,185.00	\$ 937.50	\$ 14,062.50	\$ 825.00	\$ 12,375.00
32	Flow Meter Monthly Maintenance	EA	90	\$ 600.00	\$ 54,000.00	\$ 750.00	\$ 67,500.00	\$ 425.00	\$ 38,250.00	\$ 1,345.00	\$ 121,050.00	\$ 1,100.00	\$ 99,000.00	\$ 800.00	\$ 72,000.00
33	Rain Gauge Inspection and Installation/Removal	EA	5	\$ 405.00	\$ 2,025.00	\$ 250.00	\$ 1,250.00	\$ 255.00	\$ 1,275.00	\$ 437.00	\$ 2,185.00	\$ 315.00	\$ 1,575.00	\$ 260.00	\$ 1,300.00

CLAYTON COUNTY WATER AUTHORITY
(Step 2) COST PROPOSAL OPENING TABULATION SHEET

THE ATTENDEES OF THE COST PROPOSAL OPENING SHOULD CONSIST OF THE LEAD EVALUATOR, ONE EVALUATOR, A RECORDER, AND THE RISK MANAGER

Project Name: Sewer System Evaluation Surveys

Proposal Opening: October 10, 2017

No.	Work Item	Unit	Quantity	Diversified Infrastructure Services, Inc.		McKim & Creed, Inc.		Metal & Materials Engineers, LLC		Southeast Pipe Survey, Inc.		Video Industrial Services		Woolpert, Inc.	
				Unit Cost	Extended Cost	Unit Cost	Extended Cost	Unit Cost	Extended Cost	Unit Cost	Extended Cost	Unit Cost	Extended Cost	Unit Cost	Extended Cost
34	Rain Gauge Monthly Maintenance	EA	30	\$ 375.00	\$ 11,250.00	\$ 150.00	\$ 4,500.00	\$ 255.00	\$ 7,650.00	\$ 410.00	\$ 12,300.00	\$ 210.00	\$ 6,300.00	\$ 260.00	\$ 7,800.00
35	Data Processing and Summary Report	EA	5	\$ 12,500.00	\$ 62,500.00	\$ 550.00	\$ 2,750.00	\$ 2,500.00	\$ 12,500.00	\$ 2,825.00	\$ 14,125.00	\$ 5,250.00	\$ 26,250.00	\$ 600.00	\$ 3,000.00
36	I&I Analysis Report	EA	5	\$ 12,500.00	\$ 62,500.00	\$ 1,500.00	\$ 7,500.00	\$ 2,300.00	\$ 12,500.00	\$ 3,495.00	\$ 17,475.00	\$ 2,100.00	\$ 10,500.00	\$ 4,000.00	\$ 20,000.00
37	Line Plugging instead of By-Passing for CCTV (each location)	EA	60	\$ 60.00	\$ 3,600.00	\$ 180.00	\$ 10,800.00	\$ 125.00	\$ 7,500.00	\$ 175.00	\$ 10,500.00	\$ 50.00	\$ 3,000.00	\$ 180.00	\$ 10,800.00
38	Electroscan Mobilization	LS	2	\$ 3,125.00	\$ 6,250.00	\$ 2,500.00	\$ 5,000.00	\$ 3,500.00	\$ 7,000.00	\$ 675.00	\$ 1,350.00	\$ 2,500.00	\$ 5,000.00	\$ 3,000.00	\$ 6,000.00
39	Electroscan Inspection	LF	10,000	\$ 5.50	\$ 55,000.00	\$ 4.40	\$ 44,000.00	\$ 4.00	\$ 40,000.00	\$ 6.00	\$ 60,000.00	\$ 4.00	\$ 40,000.00	\$ 4.00	\$ 40,000.00
40	Electroscan Report	EA	2	\$ 8,000.00	\$ 16,000.00	\$ 1,500.00	\$ 3,000.00	\$ 4,500.00	\$ 9,000.00	\$ 2,017.00	\$ 4,034.00	\$ 5,000.00	\$ 10,000.00	\$ 3,500.00	\$ 7,000.00
41	SL Rat Administration (Monthly)	EA	3	\$ 3,600.00	\$ 10,800.00	\$ 2,000.00	\$ 6,000.00	\$ 2,000.00	\$ 6,000.00	\$ 1,000.00	\$ 3,000.00	\$ 1,000.00	\$ 3,000.00	\$ 2,000.00	\$ 6,000.00
42	SL Rat Field Inspection (Each Setup)	EA	50	\$ 54.00	\$ 2,700.00	\$ 75.00	\$ 3,750.00	\$ 100.00	\$ 5,000.00	\$ 115.00	\$ 5,750.00	\$ 68.00	\$ 3,400.00	\$ 55.00	\$ 2,750.00
43	Manhole Flow Surge Monitor Inspection and Installation/Removal	EA	15	\$ 405.00	\$ 6,075.00	\$ 750.00	\$ 11,250.00	\$ 1,500.00	\$ 22,500.00	\$ 1,750.00	\$ 26,250.00	\$ 1,500.00	\$ 22,500.00	\$ 1,200.00	\$ 18,000.00
44	Manhole Surge Monitor Monthly Maintenance	EA	90	\$ 375.00	\$ 33,750.00	\$ 250.00	\$ 22,500.00	\$ 250.00	\$ 22,500.00	\$ 336.00	\$ 30,240.00	\$ 300.00	\$ 27,000.00	\$ 120.00	\$ 10,800.00
Total Proposal Cost					\$ 1,566,150.00		\$ 1,403,650.00		\$ 1,426,500.00		\$ 1,243,394.00		\$ 1,394,787.50		\$ 1,384,627.50

2-5.2

Recommendation:

Staff recommended awarding the SSES annual services contract to Woolpert, Inc. using the unit pricing supplied.

UPON MOTION by Robin Malone and second by Dr. Cephus Jackson, it was unanimously

RESOLVED to award the bid to Woolpert, Inc. based on the unit prices submitted and contingent upon approval of bonds and insurance as required and to authorize the General Manager to sign the contract for a term of one year.

Water Production Treatment Technology Evaluation: Program Management and Engineering Manager Kelly Taylor presented a recommendation on the Water Production Treatment Technology Evaluation.

The purpose of this task order is to perform a treatment technology evaluation for the W.J. Hooper and Terry R. Hicks WPPs. This evaluation will select an advanced treatment technology to address water quality challenges and prepare CCWA for continued regulatory compliance in the future. The engineering support included in the task order will include the development of a testing protocol, an interpretation of the bench scale testing results, and preparation of a final report with data results and recommendations. A conceptual design for the selected technologies will also be developed as a part of this task order. This addresses project 303 in the 2015 Update of the Strategic Master Plan.

Recommendation:

Staff recommended awarding the task order to CH2M for the Water Production Treatment Technology Evaluation in the amount of \$299,636.00.

UPON MOTION by Marie Barber and second by Vivian Baldwin, it was unanimously

RESOLVED to award the task order to CH2M at a not to exceed cost of \$299,636.00 and to authorize the General Manager to sign the task order.

Water Quality Emergency Services Task Order: General Manager Mike Thomas presented a recommendation on the Water Quality Emergency Services Task Order.

As follow-up to our recent taste and odor event, we would like to utilize our consultant resources to take immediate action to begin improving our ability to manage this issue in the future.

Recommendation:

Staff recommended awarding a task order to CH2M and Jacobs Engineering in the amount of \$150,000.00

UPON MOTION by John Westervelt and second by Marie Barber, it was unanimously

RESOLVED to award the task order to CH2M and Jacobs Engineering at a not to exceed cost of \$150,000.00 and to authorize the General Manager to sign the task order.

Executive Session

UPON MOTION by Vivian Baldwin and second by Dr. Cephus Jackson, it was unanimously

RESOLVED to enter into an Executive Session in order to discuss personnel and legal matters.

UPON MOTION by Marie Barber and second by John Westervelt, it was unanimously

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

Updates from the Board Members and General Manager

UPON MOTION by Dr. Cephus Jackson and second by Rodney Givens it was unanimously

RESOLVED to approve the Executive Session minutes as presented.

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

Regular Board Meeting
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RESOLVED to approve a settlement amount for the lawsuit discussed in Executive Session.

UPON MOTION by Marie Barber and second by Dr. Cephus Jackson it was unanimously RESOLVED to allow Loevy & Loevy to represent CCWA in the joint alum lawsuit.

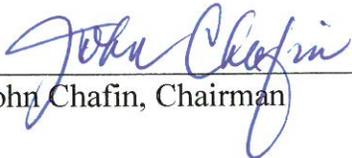
UPON MOTION by Dr. Cephus Jackson and second by Marie John Westervelt it was unanimously

RESOLVED to set a fixed time for CCWA Board of Directors Officer Elections for January of each year.

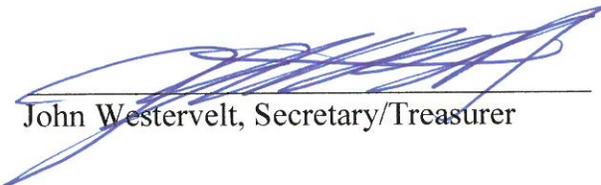
Adjourn

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

RESOLVED to adjourn the Board Meeting at 4:09 p.m., there being no further business to come before the Board of Directors.



John Chafin, Chairman



John Westervelt, Secretary/Treasurer