

**GWINNETT COUNTY WATER AND SEWERAGE AUTHORITY AGENDA****Monday, October 10, 2022 - 4:00 P.M.**Department of Water Resources, Training Room  
684 Winder Highway, Lawrenceville, Ga. 30045Present: B. Kerlin, C. Thompson, W. Allick  
Absent: B. Martin, JC Lan

- I. Call to Order
- II. Approval of Agenda  
  
{Action: Approved: Motion: Thompson; Second: Allick; Vote: 3-0}  
(Kerlin-Yes; Thompson-Yes; Allick-Yes; Lan-Absent; Martin-Absent)
- III. Approval of Minutes – September 12, 2022  
  
{Action: Approved: Motion: Thompson; Second: Allick; Vote: 3-0}  
(Kerlin-Yes; Thompson-Yes; Allick-Yes; Lan-Absent; Martin-Absent)
- IV. Award of BL079-22, pump station maintenance building improvements, to Lichty Commercial Construction, Inc., amount not to exceed \$809,949.00. Contract to follow award. Subject to approval as to form by the Law Department.  
  
{Action: Approved: Motion: Thompson; Second: Allick; Vote: 3-0}  
(Kerlin-Yes; Thompson-Yes; Allick-Yes; Lan-Absent; Martin-Absent)
- V. Award of BL082-22, Button Gwinnett water main replacement – phase II, to Mid-South Builders, Inc. amount not to exceed \$651,285.00. Contract to follow award. Subject to approval as to form by the Law Department.  
  
{Action: Approved: Motion: Thompson; Second: Allick; Vote: 3-0}  
(Kerlin-Yes; Thompson-Yes; Allick-Yes; Lan-Absent; Martin-Absent)
- VI. Award of BL083-22, Jim Moore Road water main Improvements, to The Dickerson Group, Inc., amount not to exceed \$928,482.50. Contract to follow award. Subject to approval as to form by the Law Department.  
  
{Action: Approved: Motion: Thompson; Second: Kerlin; Vote: 3-0}  
(Kerlin-Yes; Thompson-Yes; Allick-Yes; Lan-Absent; Martin-Absent)

Monday, October 10, 2022 – 4:00 pm

Page two

- VII. Approval to renew RP015-21, provision of consultant demand services on an annual contract (January 1, 2023 through December 31, 2023), per the attached justification letter, base amount \$22,500,000.00 (negotiated cost savings of approximately \$83,600.00).

{Action: Approved: Motion: Allick; Second: Thompson; Vote: 3-0}  
(Kerlin-Yes; Thompson-Yes; Allick-Yes; Lan-Absent; Martin-Absent)

- VIII. Approval to renew RP019-18, provision of on-call water and wastewater tank cleaning on an annual contract (November 5, 2022 through November 4, 2023), with Allsouth Environmental Services, Inc., base amount \$800,000.00.

{Action: Approved: Motion: Thompson; Second: Allick; Vote: 3-0}  
(Kerlin-Yes; Thompson-Yes; Allick-Yes; Lan-Absent; Martin-Absent)

- IX. Approval to renew RP018-18, landfill disposal of bio-solids and grit screenings on an annual contract (January 1, 2023 through December 31, 2023), with Waste Eliminator, Inc., base amount \$8,036,750.00.

{Action: Approved: Motion: Thompson; Second: Allick; Vote: 3-0}  
(Kerlin-Yes; Thompson-Yes; Allick-Yes; Lan-Absent; Martin-Absent)

- X. Award of BL099-22, provision of electrical equipment installation, inspection, and repair services on an annual contract (January 1, 2023 through December 31, 2023), to Cleveland Electric Company, base bid \$1,651,000.00.

{Action: Approved to amend amount of award to \$1,130,300.00.  
Motion: Allick; Second: Kerlin; Vote: 3-0}  
(Kerlin-Yes; Thompson-Yes; Allick-Yes; Lan-Absent; Martin-Absent)

- XI. Approval/authorization for the Chairwoman to execute the Joint Funding Agreement for Water Resource Investigations with U.S. Geological Survey (USGS) for the Long-Term Trend Monitoring Program as required under the County's National Pollutant Discharge Elimination System (NPDES) Wastewater Discharge Permits, and in compliance with the Metropolitan North Georgia Water Planning District Water Resources Management Plan. The total agreement cost is \$1,245,025.00 of which UCGS is contributing \$160,200.00 and Gwinnett County is contributing \$1,084.825.00. Subject to approval as to form by the Law Department.

{Action: Approved: Motion: Thompson; Second: Allick; Vote: 3-0}  
(Kerlin-Yes; Thompson-Yes; Allick-Yes; Lan-Absent; Martin-Absent)

Monday, October 10, 2022 – 4:00 pm

Page three

- XII. Approval/authorization for the Chairwoman to execute an Intergovernmental Agreement between Gwinnett County, the Gwinnett County Water and Sewerage Authority, and the City of Snellville to outline the responsibilities of the parties as it pertains to water and road infrastructure improvements along Valley Creek Circle and Ridgewood Way in the City of Snellville. Subject to approval as to form by the Law Department.

{Action: Approved: Motion: Thompson; Second: Allick; Vote: 3-0}  
(Kerlin-Yes; Thompson-Yes; Allick-Yes; Lan-Absent; Martin-Absent)

XIII. Comments

XIV. Adjourn

The October 10, 2022 Gwinnett County Water and Sewerage Authority meeting will begin at 4:00pm



1

Welcome to the October 10, 2022 Gwinnett County Water and Sewerage Authority meeting

Please mute your phone unless speaking



2

DWR Central Facility Pump Station Maintenance Building Improvements


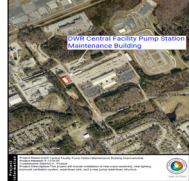
BL079-22

October 10, 2022




3

Project Location

4

Project Description



- Major structural improvements to allow DWR staff to service large pumps
- Remove and replace large portions of the slab to mitigate floor slab movement
- Strengthen slab for heavy truck use
- Add concrete columns and I-beams for installation of two 7.5 ton capacity bridge cranes




5

Project Description

- Modify the ventilation system to improve removal of hazardous fumes from truck exhaust and welding booth
- Add handwashing stations to allow staff to clean prior to entering office spaces
- Install energy efficient LED lights
- Construct a new structure for pump washdown

6

Benefits of Project


- Ability to service multiple pump types and sizes
- Opportunity for staff training in the maintenance and repair of large mechanical equipment
- New cleaning system for pumps and accessories prior to repair and rehabilitation
- Improved working environment




7

Project Schedule

Anticipated Construction Notice to Proceed	• 30 Calendar days after BOC approval • October 2022
Anticipated Substantial Completion	• 220 Calendar days after NTP • May 2023
Anticipated Final Completion	• 250 Calendar days after NTP • June 2023




8

Bids Received


Contractor	Total Bid Price
Lichty Commercial Construction	\$809,949
Diversified Construction of Georgia, Inc.	\$912,443
Lanier Contracting Company	\$1,036,649

- Engineer's Estimate \$790,000
- Low Bid of \$809,949
- Recommend to award to Lichty Commercial Construction



9

# Questions?



10




## Button Gwinnett Water Main Replacement Phase II

BL082-22  
October 10, 2022




11



## Project Location

12

## Project Description

- Replace 1,500 feet of 10-inch cast iron water main with 12-inch ductile iron
- Existing water main material and size does not meet Gwinnett County standards for commercial development

13

## Benefits of Project


- Brings size and material of water main up to Gwinnett County Standards
- Brings water valve spacing up to Gwinnett County Standards
- Completes the redundant loop across the Amazon property




14

## Project Schedule


- Anticipated Construction Notice to Proceed • 30 calendar days after BOC approval • November 2022
- Anticipated Substantial Completion • 270 Calendar days after NTP • August 2023
- Anticipated Final Completion • 300 Calendar days after NTP • September 2023




15

## Bids Received

Contractor	Total Bid Price
Mid-South Builders, Inc.	\$651,285.00
John D. Stephens, Inc.	\$742,331.00
The Dickerson Group, Inc.	\$751,581.00
GS Construction, Inc.	\$949,361.00
Site Engineering, Inc.	\$1,063,666.00



- Engineer's Estimate \$529,119.58
- Recommend to award to Mid-South Builders, Inc.
- Low Bid of \$651,285.00



16

# Questions?



17

## Jim Moore Road Water Main Improvements

BL083-22  
October 10, 2022




18

### Project Location

Map showing project location in Gwinnett County. Aerial view of the project site on Jim Moore Road.

19

### Project Description

- Installation of approximately 2,000 feet of 12-inch ductile iron water main on Jim Moore Road
- Repair roadway cuts, driveway crossings
- Installation of new valves and fire hydrants

20

### Benefits of Project

- Provide water service that meets Gwinnett County's current standards for a commercial area
- Increase fire protection for the surrounding businesses

21

### Project Schedule

- Anticipated Construction Notice to Proceed: 45 calendar days after BOC approval, November 2022
- Anticipated Substantial Completion: 270 Calendar days after NTP, August 2023
- Anticipated Final Completion: 300 Calendar days after NTP, September 2023

22

### Bids Received

Contractor	Total Bid Price
The Dickerson Group, Inc.	\$928,482.50
Site Engineering, Inc.	\$1,186,690.00
JDS, Inc.	\$1,270,480.00
GS Construction, Inc.	\$1,273,198.75

- Engineer's Estimate: \$1,462,092.00
- Recommend to award to The Dickerson Group, Inc.
- Low Bid of \$928,482.50

23

### Questions?

24

### Consultant Demand Services on an Annual Contract - Renewal

RP015-21  
October 10, 2022

25

### Consultant Demand Services

- Contracts provide professional services to support implementation of Capital Improvements and Operations Programs
- Professional Services in 9 different Service Categories
  - Consultants: 51
  - Contracts: 106
- First of four options for renewal
- Contract Capacity Request: \$22.5M

26

### Use of Demand Services Contracts

- Contract start date of January 1, 2022
- Renewed annually through December 31, 2026
- Goal of equitable and inclusive distribution of work among selected firms in each Demand Service Category
- Provides access to multitude of firms with technical, financial, and other specialized expertise

27

### 2022 Demand Service Contracts

Category	No. of Contracts	Work Authorizations
A - Water and Water Reclamation Facilities and Pump Station Services	14	59
B - Water Line, Sewer Line, and Reuse Water Line Services	7	73
C - Wastewater Services	5	24
D - Stormwater Infrastructure Services	6	26
E - Dam Services	6	17
F - Programmatic Rehabilitation Management Services	6	32
G - Asset Data Management Services	9	14
H - Strategic Asset Management, Planning, and Modeling Services	5	9
I - Specialized Support Services	48	47
<b>TOTAL</b>	<b>106</b>	<b>301</b>

28

### Major Initiatives for 2023

- FWH WRC Boilers, Influent Screening, and Flares
- Water Production new Chemical Building and On-Site Sodium Hypochlorite System
- Buford Highway cast-iron pipe water main replacement
- Collections system improvements for future development capacity

29

### Benefits of Demand Services Contracts

- Supports delivery of Capital Improvements Plan (CIP) and Operations Programs
- Supports wide range of DWR projects
  - Operations Technical Support Services
  - Economic Development
  - Critical Facility and Infrastructure Rehabilitation
  - Research and Development

30

### Questions ?

31

### RP019 -18

## On-Call Water and Wastewater Tank Cleaning

32

## WHAT THIS CONTRACT COVERS

33

- Pits
- Sumps
- Vaults
- Channels

- Tanks
- Basins
- Wet Wells
- Manholes

- Junction Boxes
- Connecting Pipes

34

## WHO USES THIS CONTRACT?

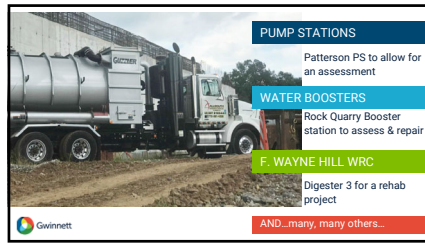
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- ▶ F. Wayne Hill WRC
- ▶ Crooked Creek WRC
- ▶ Yellow River WRC
- ▶ Lanier Filter Plant
- ▶ Shoal Creek Filter Plant
- ▶ Pump Stations

36



37



38



39

<b>Vendor</b>	<ul style="list-style-type: none"> <li>Allsouth Environmental Services, Inc.</li> </ul>
<b>Contract</b>	<ul style="list-style-type: none"> <li>4<sup>th</sup> and final Renewal Option</li> </ul>
<b>Amount Requested</b>	<ul style="list-style-type: none"> <li>\$800,000</li> </ul>

The Gwinnett logo is in the top right corner.

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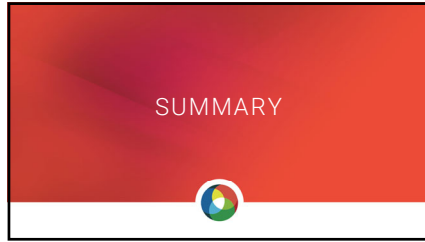


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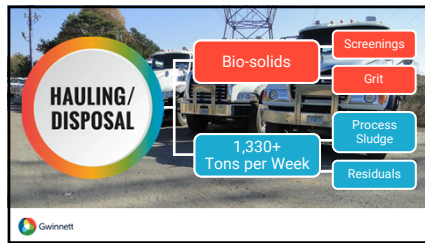
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<b>Vendor</b>	<ul style="list-style-type: none"> <li>Waste Eliminator, Inc.</li> </ul>
<b>Contract</b>	<ul style="list-style-type: none"> <li>4<sup>th</sup> and Final Renewal Option</li> </ul>
<b>Amount Requested</b>	<ul style="list-style-type: none"> <li>Requesting Base Amount of \$8,036,750</li> </ul>

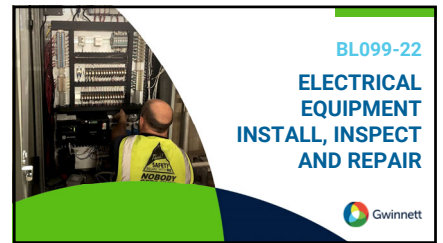
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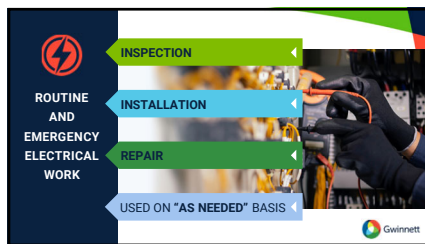
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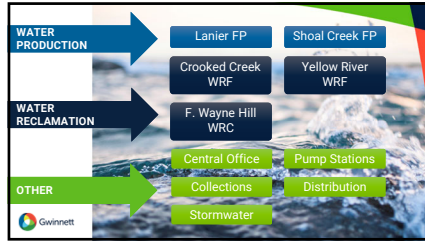
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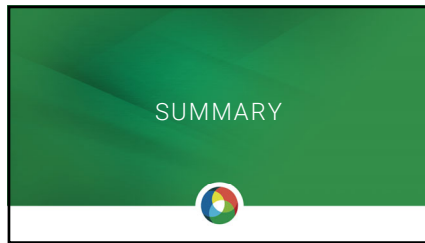


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Electricians to supplement the pump station staff

- Surge and Lightning Protection Analysis for FWH WRC
- Lanier Mountain Repairs and Electrical Meter Replacement

58



59

VENDOR	CONTRACT	AMOUNT REQUESTED
Cleveland Electric	Award with 4 Renewal Options	<b>BASE AMOUNT</b> \$1,651,000

60



61

2023 CONTRACT  
**JOINT FUNDING AGREEMENT**  
with United States Geological Survey (USGS) for Water Resource Investigations

October 10, 2022  
Water and Sewerage Authority

62

NPDES Permit Requirement

MNGWPD Watershed Management Plan

63

**USGS**  
science for a changing world

- PAST EXPERIENCE — 1996
- RELIABLE AND REAL-TIME ACCESS TO DATA
- CREDIBLE DATA SOURCE TRUSTED BY THE EPD
- FINANCIAL CONTRIBUTION

64

**USGS MONITORING STATIONS 2022**

Continuing activities include:

- 15 O&M of 15 Long-Term Trend Monitoring Stations
- 2 O&M of 2 Water Temperature Station
- 14 Maintain 14 gage height and precipitation stations
- 1 Maintain 1 gage height station
- & Maintain 2 Flood Inundation Map Projects

65

**FUNDS**

- Gwinnett Contribution = \$ 1,084,825
- USGS Contribution = \$ 160,200

**TERM**

January 1, 2023 – December 31, 2023

66

**QUESTIONS?**

67

**Intergovernmental Agreement to Partner on Water and Road Infrastructure Improvements**

Gwinnett County, Gwinnett County Water and Sewerage Authority, and City of Snellville

October 10, 2022

Gwinnett County Water and Sewerage Authority

68

**County Water Improvements**

- Pinehurst Water Main Replacement Project
  - Existing water main (1970s) is 6-inch PVC
  - Installation of 12,500 linear feet of 8-inch DIP
  - Requires roadway restoration
  - Sub-base replacement needed for ~4,500 linear feet on Valley Creek Circle and Ridgewood Way outside of trench for water main replacement
- City of Snellville
- Commission District 3 - Watkins

69

70

**Pinehurst Water Main Replacement**

- 12,500 LF of 8-inch water main
- 4,500 LF sub-base replacement outside of trench on Ridgewood Way and Valley Creek Circle

71

**Agreement Responsibilities**


**City of Snellville**

- Pay to Gwinnett the bid amount for a portion of the roadway sub-base outside the water main trench
- Current estimate = \$170,500
- Snellville's not-to-exceed amount = \$200,000

**Gwinnett County**


- Replace ~4,500 feet of road sub-base on Valley Creek Circle and Ridgewood Way as part of the County water main replacement project

72




### Benefits

- Minimizes future impact to community and disruption to citizens
- Increase reliability and redundancy of the water distribution system
- Road improvements



73

### Questions?



74