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 CONSULTING ENGINEERS
 6059 BOYLSTON DRIVE, NE
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**-REVIEW COPY-
 SUBJECT TO CORRECTION**

**FRANKLIN COUNTY, GA
 BOARD OF COMMISSIONERS**

**WATER SYSTEM PLANNING – 2023 ENGINEERING EVALUATION
 PHASE 1 WATER SYSTEM IMPROVEMENTS**
 Engineer’s Project No. 443-07A

PRELIMINARY PROJECT SUMMARY
 December 1, 2022

Franklin County Board of Commissioners (BOC) owns and operates a public water system for the benefit of its residents, businesses, and industries. Recently, Franklin County BOC authorized an Engineering Evaluation, and the results are presented in the Preliminary Engineering Report dated December 1, 2022. Overall, most of the facilities are in good condition. However, improvements are needed to keep the system in good working order and to meet State and Federal requirements.

To minimize capital outlays, the proposed improvements will be implemented in phases. Phase 1 includes the highest priority improvements to critical infrastructure as shown by the highlighted items on Figure No. 5A – Franklin County Water System Improvements and summarized below (numbering matches report):

1. Water Supply & Withdrawal

A. Wells:

1. Repair wells (as needed). Install treatment equipment.
2. Develop additional wells. Install well house, pumps, and all related appurtenances. County to own, operate, and maintain additional wells.

B. Interconnections:

1. Replace Lavonia booster pump station.
2. Obtain an agreement with Royston for water supply.

2. Water Storage and Distribution

A. Storage Tanks:

1. Repair storage tanks (as needed).

B. Water Mains:

1. Install water mains to provide public water to unserved areas.
2. Install water mains to create loops.

The project cost is \$2,500,000 as shown on the attached Preliminary Opinion of Probable Cost. This estimate is very approximate and may be significantly higher based on final design requirements, geotechnical work, unknown site conditions, permitting requirements, economic conditions, weather, Owner preferences, etc. Due to these uncertainties, the scope of work is subject to change to stay within budget.

The tentative implementation schedule is as follows:

- | | |
|-----------------------------------------------------------|---------------|
| 1. Submit Engineering Report & EID to EPD for concurrence | 12/22 |
| 2. Submit GEFA funding application | 03/23 |
| 3. Prepare Construction Documents (CD) | 05/23 – 01/24 |
| 4. Submit CD’s to EPD for concurrence | 01/24 |
| 5. Obtain contractor bids and construct improvements | 02/24 – 02/25 |



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PRELIMINARY OPINION OF PROBABLE COST
December 1, 2022

Description	Cost
1. Water Supply and Withdrawal Replace Lavonia BPS Obtain water from Royston Repair wells Develop additional wells	\$1,450,000
2. Water Storage and Distribution Install water mains Repair storage tanks	500,000
3. Contingency	200,000
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	Construction Subtotal
	\$2,150,000
Engineering Services:	
4. Engineering Design	135,000
5. Permitting & Easements	40,000
6. Bidding & Construction Administration	135,000
7. Funding Administration	40,000
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	PROJECT TOTAL
	\$2,500,000

The costs presented herein are based on information readily available for this study. Detailed engineering and calculations were not performed, and no subsurface exploration data were available. Actual costs will vary depending on numerous factors, including requirements of final design, permitting, environmental impacts, and actual site conditions. Actual costs will vary greatly depending on market forces shaped by product, material and labor availability. A large portion of the data used in this study was furnished by others and was not verified.

443-07A1-08 PPS