THE CITY OF ASHEVILLE

Staff Report

Council Meeting Date: May 9, 2023

Subject: Engineering Design Services Contract for South Buncombe Pump Station and Concord Water Service Area Improvements Project.

Staff Resource(s): David Melton - Water Resources Director; Chad Pierce - Engineering Services Manager

Action Requested: Adoption of a resolution authorizing the City Manager to sign a contract with Hazen and Sawyer for engineering services in the amount of $1,510,550.00 for the South Buncombe Pump Station and Concord Water Service Area Improvements Project.

Background:

- The Water Resources Department has prioritized this water system improvement project for the current fiscal year and is seeking engineering design and project management assistance for this project.
- The project was identified as a needed improvement in the latest, 2019 Water System Master Plan
- The project includes construction of a new South Buncombe Pump Station at a different location than the existing pump station, removal of the existing South Buncombe Pump Station, piping changes to the South Buncombe Water Storage Tank and tank yard, addition of a control valve and potential replacement of up to 10’000 feet of 12-inch water main along Sweeten Creek Rd.
- The project will improve pumping capacities while simultaneously reducing pump energy requirements and operations cost; resolve access issues; provide a hydraulic buffer for pump surges in order to eliminate pressure spikes within the zone which will reduce line breaks, reduce pressures in areas where higher system pressure is not required, provide better control of inflows and outflows at South Buncombe Water Storage tank and allow Operations to more efficiently balance the water system distribution.

Vendor Outreach Efforts:

- Through a qualifications based selection process beginning in February of 2020 the City of Asheville selected four consulting firms to provide on-call professional services for Water Distribution and Storage Projects.
- Hazen and Sawyer was one of the selected firms due to their expertise in areas of water distribution projects, water system analysis and project development.
- The City of Asheville entered into a master agreement with Hazen and Sawyer on September 28, 2020 for on-call professional services for Water Distribution and Storage Projects valid for three years with the option to renew for two additional years.
- If approved, the proposed engineering services described here within will be developed into a subcontract under the conditions of the master agreement.
- City of Asheville Water Resources Staff determined that utilizing the on-call professional services for Water Distribution and Storage Projects was the best method to deliver this project and Hazen and Sawyer was specifically qualified to provide the required engineering services.
- No other vendor outreach was performed.

Council Goal(s):

- A Financially Resilient City

Committee(s):

- None.

Pro(s):

- This project is aligned with the City and the Water Resources Department goal of continued investment and improvement of the City's water system through Capital Improvement Projects, in order to provide safe and reliable service.
- Hazen and Sawyer have successfully provided engineering services for other water system improvement projects.
- Their experience with this water system and expertise in water distribution projects will lead to a successful project with lesser negative impacts to customers and the City's water system.

Con(s):

- Failure to award an engineering services contract would prevent the Water Resources Department from completing the water system capital improvement project in a timely manner and delay the needed replacement of a portion of the existing water system

Fiscal Impact:

- Funding for this contract was previously budgeted and is available in the Water Resources Capital Projects Fund.

Suggested Motion:

- Motion to adopt a resolution authorizing the City Manager to execute a professional services contract with Hazen and Sawyer to provide engineering design services for a water system improvement project known as South Buncombe Pump Station and Concord Water Service Area Improvements Project for an amount not to exceed $1,510,550.00

Attachment(s)

- Resolution

RESOLUTION NO. 23-_____

RESOLUTION AUTHORIZING THE CITY MANAGER TO SIGN A CONTRACT WITH HAZEN AND SAWYER FOR ENGINEERING SERVICES ASSOCIATED WITH SOUTH BUNCOMBE PUMP STATION AND CONCORD WATER SERVICE AREA IMPROVEMENTS PROJECT___

WHEREAS, pursuant to N.C.G.S. § 160A-312, the City of Asheville has authority to operate a public enterprise; and

WHEREAS, pursuant to N.C.G.S. § 160A-20.1, the City of Asheville may enter into contracts with private entities to carry out any public purpose the City is authorized to engage in; and

WHEREAS, Hazen and Sawyer was one of five firms selected by Staff via a qualifications based process to perform on-call professional services for Water Distribution and Storage Projects; and

WHEREAS, the City of Asheville entered into a Master Agreement with Hazen and Sawyer on September 28, 2020 for for On-Call Professional Services for Water Distribution and Storage Projects; and

WHEREAS, the professional engineering services for the South Buncombe Pump Station and Concord Water Service Area Improvements Project will be part of a subcontract under said Master Agreement; and

WHEREAS, the use of Hazen and Sawyer will insure timely completion and full compliance with the City of Asheville Design Standards of NSouth Buncombe Pump Station and Concord Water Service Area Improvements Project;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF ASHEVILLE THAT:

The City Manager, on behalf of the City of Asheville, is hereby authorized to execute the contract with Hazen and Sawyer, for engineering services required to design and permit the South Buncombe Pump Station and Concord Water Service Area Improvements Project for the not to exceed contract amount of $1,510,550.00.

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Read, approved and adopted this 9th day of May 2023.

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City Clerk Mayor

Approved as to form:

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City Attorney