THE CITY OF ASHEVILLE

**STAFF REPORT**

**Council Meeting Date:** December 8, 2020

**Subject:** Change Order for Schnabel Engineering South for Work Associated with the Auxiliary Spillway and Dam Improvement project

**Staff Resource(s):** David Melton**,** Water Resources Director, Leslie Carreiro, Water Production / Water Quality Division Manager

**Action Requested:** Adopt a resolution authorizing the City Manager to execute a change order to the contract with Schnabel Engineering South for work associated with the Auxiliary Spillway and Dam Improvement project (North Fork Dam Spillway Upgrade Phase II).

**Background:**

- The original North Fork Dam and Spillway did not meet current regulations to ensure the integrity of the dam during a probable maximum precipitation event (greatest amount of precipitation for a given duration of time).
- In 2006, Water Resources implemented the Flood Operations Plan in an effort to meet these requirements.
- In addition, Water Resources took further action to meet N.C. Dam Safety requirements.
- In 2015, Schnabel Engineering was selected through a qualification-based selection process for the final design, bidding, and construction oversight for the North Fork Auxiliary Spillway and Dam Improvements project.
- Construction began in November 2017 for the 26 month contract.
- Requesting a change order for $197,398 will bring the engineering costs for this project to a total of $4,547,568.
- Several factors have impacted the project including extending construction oversight and administrative activities, increasing public communication efforts, and additional design services. More specifically:
    - Heavy and frequent precipitation events in 2018, late 2019, and 2020 impacted activities associated with the critical path (schedule).
    - Additional design work associated with providing temporary raw water pumping into the treatment process.
    - Loss of electricity to the temporary pumping system created additional design work. It became necessary to develop two back-up plans to ensure power.
    - Administrative work to cover additional Request for Information (RFI) and Submittals, Construction Oversight, and progress meetings.
    - Development and implementation of the end of project communication plan.

**Vendor Outreach Efforts:**

- Not applicable, change to an existing contract

**Council Goal(s):**

- A Financially Resilient City; A Clean and Healthy Environment

**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 to provide safe and reliable service.

**Con(s):**

- Although unavoidable, the cost of the project Increased.

**Fiscal Impact:**

- The funding needed for the professional services agreement is currently allocated within the Water Resources Capital Improvements Project Fund in the North Fork WTP Dam/Tunnel Repairs Project.

**Suggested Motion:**

- Move to adopt a resolution authorizing the City Manager to execute a change order to the contract with Schnabel Engineering South for work associated with the Auxiliary Spillway and Dam Improvement project (North Fork Dam Spillway Upgrade Phase II).

**Attachment(s)**

- Resolution

RESOLUTION NO. 20-____

RESOLUTION AUTHORIZING THE CITY MANAGER TO EXECUTE A CHANGE ORDER TO THE CONTRACT WITH SCHNABEL ENGINEERING SOUTH FOR WORK ASSOCIATED WITH THE NORTH FORK AUXILIARY SPILLWAY AND DAM IMPROVEMENT PROJECT

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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, Schnabel Engineering South was selected by Staff via a qualifications based process to perform design and construction administration; and

WHEREAS, the City of Asheville entered into a contract with Schnabel Engineering South on April 28, 2015 for Engineering Design/Permitting and Construction Services for the North Fork Auxiliary Spillway and Dam Improvements project.

WHEREAS, the use of Schnabel Engineering South will utilize the most qualified firms to ensure timely completion and fulfill compliance with scope of services for the North Fork Auxiliary Spillway and Dam 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 change order to the contract with Schnabel Engineering South for engineering design/permitting and construction services for $197,398; and a total contract cost for this project of $4,547,568.

Read, approved, and adopted this 8th day of December 2020.

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City Clerk Mayor

Approved as to form:

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City Attorney