THE CITY OF ASHEVILLE

STAFF REPORT

Council Meeting Date: June 8, 2021

Subject: Construction Oversight - Mills River Water Treatment Plant - Ozone Building Rehabilitation

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

Action Requested: Adoption of a resolution for a change order to the contract with CDM Smith for Mills River Water Treatment Plant Miscellaneous Phase 1 Improvements in the amount of $81,997 for this change order.

Background:

- On April 27, 2021, the City Council approved a change order with Harper Corporation for the repairs to the Ozone Building due to flooding.
- This request is for a change order with CDM Smith for continued construction oversight of the work that Harper will perform.
- Ozone disinfection is a highly technical process that requires specified oversight for proper installation of equipment.
- Ozone is an important disinfectant process in the treatment of drinking water at the Mills River Water Treatment Plant (WTP).
- The basement of the ozone building at the Mills River WTP flooded due to several situations arising at the same time.
- A manway to an empty ozone contactor was left open due to needed repairs.
- Heavy rains over a short time period caused high water levels in the sludge lagoons.
- At the same time, staff needed to drain one of the sedimentation basins.
- Water was unable to drain to the lagoons and backed up into the ozone contactor and thus the basement of the ozone building.
- The damage was significant and requires replacement of all associated equipment.
- It also requires replacement of assets involved with the current Miscellaneous Phase 1 Ozone Rehabilitation project at the facility.
- The flooding damaged existing equipment as well as newly installed equipment.
- To avoid this type situation in the future, safeguards have been put in place including improved signage and training.
- CDM Smith holds the current open contract for Construction Oversight for the Phase 1 project. CDM Smith will continue with the current project and the replacement of equipment damaged by the flooding.
- With this change order of $81,997, the total budget impact is $158,177.

Vendor Outreach Efforts:

- CDM Smith is currently under contract.
- As this is a change order, no further outreach was performed.

Council Goal(s):

- Clean & Healthy Environment

Committee(s):

- None

Pro(s):

- Ensures the appropriate oversight regarding the construction / rehabilitation of Mills River WTP so that the final product will meet all aspects of the original design (Ozone) to treat the source water of the Mills River.
- Ensures the Mills River WTP will continue to appropriately produce drinking water for the public.

Con(s):

- Work approved may not meet the design specifications without proper oversight.

Fiscal Impact:

- $81,997 to be funded within the existing Water Treatment Improvements Capital Improvement Program budget.

Suggested Motion:

- Motion to adopt a resolution authorizing the City Manager to execute a change order to the current contract with CDM Smith for Mills River Water Treatment Plant Miscellaneous Phase 1 Improvements, in the amount of $81,997 for a total of $158,177.

Attachment(s):

- Resolution

RESOLUTION NO. 21-____

RESOLUTION AUTHORIZING THE CITY MANAGER TO EXECUTE A CHANGE ORDER TO THE CONTRACT WITH CDM SMITH FOR CONSTRUCTION OVERSIGHT SERVICES ASSOCIATED WITH MILLS RIVER WATER TREATMENT PLANT - OZONE BUILDING REHABILITATION

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, CDM Smith is currently under contract (#92100294) for construction oversight of the Mills River Water Treatment Plant Miscellaneous Plant Improvements Phase 1; this change order is for the additional work involved with the Ozone Building Rehabilitation due to flooding; and

WHEREAS, the funding for the change order is allocated within the Water Resources - Capital Improvement Budget;

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 a change order to the existing contract with CDM Smith for the Mills River Water Treatment Plant Miscellaneous Phase 1 Improvements, for the amount of $81,997 for a total contract amount of $158,177.

Read, approved, and adopted this 8th day of June, 2021.

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City Clerk Mayor

Approved as to form:

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City Attorney