



City of Grand Island

Tuesday, July 27, 2021

Council Session

Item G-15

#2021-178 - Approving Amendment No. 4 with HDR Engineering, Inc. for Wastewater Treatment Plant Laboratory, Operations Control Center, and Administrative Building Renovation Consulting Services for Project No. 2017-WWTP-2

Staff Contact: John Collins, P.E. - Public Works Director

Council Agenda Memo

From: Keith Kurz PE, Assistant Public Works Director

Meeting: July 27, 2021

Subject: Approving Amendment No. 4 with HDR Engineering, Inc. for Wastewater Treatment Plant Laboratory, Operations Control Center, and Administrative Building Renovation Consulting Services for Project No. 2017-WWTP-2

Presenter(s): John Collins PE, Public Works Director

Background

The Wastewater Laboratory and Administration building, which was designed in 1978, is located at 3013 East Swift Road. The 3,500 square foot building is the primary station for employees involved with management, accounting, laboratory and operations.

Over the 4 decades since the building was completed building, safety, and environmental regulations have increased, and become more stringent. Additionally, the plant operations have expanded with the growth of the City.

As part of assessing the Wastewater Division's ability to comply with existing and anticipated environmental regulations the lab was reviewed. Identified issues included:

- A Heating, Ventilation, and Air Conditioning (HVAC) system shared with the laboratory and rest of the building, posing a safety hazard.
- Lack of a fire suppression system.
- Outdated and/or marginally functional equipment.
- Limited physical space that will not be able to accommodate current and future needs.
- Electrical and mechanical limitations that must be expanded to handle needs and can be made more efficient.

When the investigation was expanded to the rest of the building it was determined that the electrical and mechanical systems also limited the operators work stations and that the physical space was insufficient for their needs. SCADA and other monitoring equipment are in need of updating.

The Solids Handling Building (Building 6) was constructed to allow the addition of a second floor. Engineering and Wastewater employees investigated moving some combination of the management, accounting, operations, and/or lab groups to this location, but the current costs of ADA compliance combined with the construction costs would make the price high relative to at grade construction. Additionally there are advantages to having these groups remain in proximity to each other, and located near the plant entrance.

The potential of building a new building to house the lab and operators was compared to building an addition (which would require temporary housing for some staff) to the existing building (which would still require some renovation). A new building would be less disruptive during construction, but the continuous benefits of maintaining proximity weighed in favor of adding to the existing building.

On June 13, 2017, via Resolution No. 2017-167, City Council approved an agreement between the City and HDR Engineering, Inc. of Omaha, Nebraska for consulting services to renovate the Wastewater Treatment Plant Laboratory, Operations Control Center, and Administrative Building, in the amount of \$57,000.00.

On December 12, 2017, via Resolution No. 2017-348, City Council approved Amendment No. 1 to the original agreement to add design development, final design, and bidding phase services. Such amendment resulted in an agreement increase of \$220,289.00, for a revised agreement amount of \$277,289.00.

On April 24, 2018, via Resolution No. 2018-112, City Council approved Amendment No. 2 to the original agreement to finalize plans for bidding purposes. The additional work addressed the building's water service, roof drainage, mechanical room issues, fiber connection, lab humidification, and small miscellaneous items. Such amendment resulted in an agreement increase of \$22,400.00, for a revised agreement amount of \$299,689.00.

On February 11, 2020, via Resolution No. 2020-38, City Council approved Amendment No. 3 to the original agreement to address asbestos abatement, rebidding and construction engineering services, resulting in an agreement increase of \$237,378.00, for a revised agreement amount of \$537,067.00.

Initial bids for construction were received on June 5, 2018 but were more than 10% over the engineer's estimate and therefore could not be accepted. At that point the project was reviewed with modifications made to address budget issues. The project was ultimately awarded to Sampson Construction Co., Inc. in the amount of \$3,454,000.00 through competitive bidding.

Discussion

At this time Amendment No. 4 is requested to the original agreement, which allows for addressing final lab configuration, restroom modifications, and investigating benefits and feasibility of installing a Building UV Disinfection System for the Wastewater Treatment

Plant Laboratory, Operations Control Center, and Administrative Building Renovation; Project No. 2017-WWTP-2. Amendment No. 4 increases the agreement by \$13,800.00, for a revised agreement amount of \$550,867.00.

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to future date
4. Take no action on the issue

Recommendation

City Administration recommends that the Council approve Amendment No. 4 to the agreement with HDR Engineering, Inc. of Omaha, Nebraska, for a revised consulting agreement amount of \$550,867.00 for Wastewater Treatment Plant Laboratory, Operations Control Center, and Administrative Building Renovation; Project No. 2017-WWTP-2.

Sample Motion

Move to approve the resolution.

RESOLUTION 2021-178

WHEREAS, on June 13, 2017, via Resolution No. 2017-167, City Council approved a consulting agreement between the City of Grand Island and HDR Engineering, Inc. of Omaha, Nebraska for Wastewater Treatment Plant Laboratory, Operations Control Center, and Administrative Building Renovation; Project No. 2017-WWTP-2, in the amount of \$57,000.00; and

WHEREAS, on December 12, 2017, via Resolution No. 2017-348, City Council approved Amendment No. 1 to the original agreement to add design development, final design, and bidding phase services, resulting in an agreement increase of \$220,289.00; and

WHEREAS, on April 24, 2018, via Resolution No. 2018-112, City Council approved Amendment No. 2 to the original agreement to finalize plans for bidding purposes, resulting in an agreement increase of \$22,400.00; and

WHEREAS, on February 11, 2020, via Resolution No. 2020-38, City Council approved Amendment No. 3 to the original agreement to address asbestos abatement, rebidding and construction engineering services, resulting in an agreement increase of \$237,378.00; and

WHEREAS, final lab configuration, restroom modifications, and investigation of benefits and feasibility of installation of a Building UV Disinfection System is necessary to complete such project; and

WHEREAS, such modifications to the original agreement are detailed in Amendment No. 4 and result in an agreement increase of \$13,800.00, for a revised agreement amount of \$550,867.00.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that Amendment No. 4 to the original consulting agreement with HDR of Omaha, Nebraska for Wastewater Treatment Plant Laboratory and Administrative Building Renovation; Project No. 2017-WWTP-2 is hereby approved.

BE IT FURTHER RESOLVED, that the Mayor is hereby authorized and directed to execute such agreement on behalf of the City of Grand Island.

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Adopted by the City Council of the City of Grand Island, Nebraska, July 27, 2021.

Roger G. Steele, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
July 23, 2021	☐ City Attorney