



# City of Grand Island

Tuesday, April 24, 2018

Council Session

## Item G-10

**#2018-112 - Approving Amendment No. 2 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:** April 24, 2018

**Subject:** Approving Amendment No. 2 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 Administration building, which was constructed 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, the 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 an immediate safety hazard.
- Lack of a fire suppression system.
- Outdated and/or marginally functional equipment.
- Limited physical space that will not be able to accommodate future needs.
- Electrical and mechanical limitations that must be expanded to handle future 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 add 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 at 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.

## **Discussion**

Additional design work is necessary to finalize plans for bidding purposes, resulting in Amendment No. 2 to the original agreement. The additional design work will address the building's water service, roof drainage, mechanical room issues, fiber connection, lab humidification, and small miscellaneous items. Amendment No. 2 increases the agreement by \$22,400.00, for a revised agreement amount of \$299,689.00.

Funds for the consulting services are in the approved 2017/2018 Wastewater Division budget.

## **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. 2 to the agreement with HDR Engineering, Inc. of Omaha, Nebraska, for a revised consulting

agreement amount of \$299,689.00 for Wastewater Treatment Plant Laboratory, Operations Control Center, and Administrative Building Renovation; Project No. 2017-WWTP-2.

### **Sample Motion**

Move to approve the resolution.

AMENDMENT No. 2  
TO AGREEMENT  
FOR  
ENGINEERING SERVICES

WHEREAS:

HDR ENGINEERING, INC. ("HDR") entered into an Agreement on 21<sup>st</sup> of June, 2017 to perform engineering services for City of Grand Island, Nebraska ("OWNER");

OWNER desires to amend this Agreement in order for HDR to perform services beyond those previously contemplated;

HDR is willing to amend the agreement and perform the additional engineering services.

NOW, THEREFORE, HDR and City of Grand Island, Nebraska do hereby agree:

The Agreement and the terms and conditions therein shall remain unchanged other than those sections and exhibits listed below;

- 1) Section IV – COMPENSATION shall be replaced with the following:

Compensation for ENGINEER'S services under this Agreement shall be on an hourly basis plus Reimbursable Expense not to exceed per the following:

Original Amount: \$57,000

Amendment 1 Amount: \$220,289

Amendment 2 Amount: \$22,400

New Total Amount: \$299,689

Reimbursable Expense shall mean the actual expenses incurred directly or indirectly in connection with the Project for transportation travel, subconsultants, subcontractors, technology charges, telephone, telex, shipping and express, and other incurred expense. ENGINEER will add five percent (5%) to invoices received by ENGINEER from subconsultants and subcontractors to cover administrative expenses and vicarious liability.

2) Exhibit A shall be amended to include with the attached Exhibit A-1

IN WITNESS WHEREOF, the parties hereto have executed this Amendment as of the day and year written below:

HDR ENGINEERING, INC. ("HDR")

By: 

Title: Senior Vice President

Date: 4/11/2018

CITY OF GRAND ISLAND, NEBRASKA ("OWNER")

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**EXHIBIT A-1  
TO AMENDMENT 2**

**SCOPE OF WORK – DESIGN AND BIDDING  
ADDITIONAL SCOPE ITEMS**

**CITY OF GRAND ISLAND, NE**

**WASTEWATER TREATMENT PLANT  
LABORATORY, OPERATIONS CONTROL CENTER, AND ADMINISTRATIVE  
BUILDING RENOVATION**

**PART 1.0 PROJECT DESCRIPTION:**

The City of Grand Island's (OWNER) Wastewater Treatment Plant's current Administrative Building is nearly four decades old. HDR has completed the Concept Development phase of the project which has resulted in the recommendation to construct an approximate 7,200 square foot addition to the existing Laboratory and Operations Center making the total building footprint approximately 10,900 SF.

This Agreement includes scope items added to Amendment No. 1 Task Series 100. Construction Contract Administration services will be covered in a future Agreement.

**PART 2.0 SCOPE OF SERVICES TO BE PERFORMED BY ENGINEER ON THE PROJECT:**

**Overall Key Understandings**

1. The additional scope items are summarized on the attached Exhibit B-1. The summary lists engineering hours and modeling hours associated with each scope item, and the overall additional fee.

**PART 3.0 AUTHORIZATION**

Work will not proceed on a task without authorization.

**PART 4.0 OWNER'S RESPONSIBILITIES:**

OWNER will be responsible for the items as identified for the City in the Amendment No. 1 Scope of Services.

**PART 5.0 PERIODS OF SERVICE:**

Notice to Proceed	December 15, 2017
Completion of Design (Task Series 100)	April 5, 2018
Completion of Bidding (Task Series 200)	May 31, 2018

**NEXT PHASES OF SERVICES:**

Construction Contract Administration services are not included in this Scope of Services and will be negotiated in a future Amendment to the Agreement.



4/9/2018

EXHIBIT B-1  
 Grand Island WWTP Laboratory, Administration, Operations Building Renovation Design  
 Added Scope Items

<u>Item No.</u>	<u>Description</u>	<u>Engineering Hours</u>	<u>Modeling Hours</u>	<u>Overall Total Hours</u>	<u>Overall Total Dollars</u>
1	Water Service Plan and Profile - Preparation and Submittal	16	8		
2	Roof Drain Routing and Discharge	9	14		
3	Building-wide Softener System	8	4		
4	Locate New Water Heater in Existing Electrical/Mechanical Room (Insufficient Room in New Mechanical Room due to Softener System).	4	8		
5	Provide ATV Access to South Door	12	9		
6	Use City Treatment Plant General Conditions instead of City Division 1 - General Specifications.	8			
7	Accommodate Ice Maker in Lab	2	2		
8	Accommodate Relocation of PTZ Camera and Weather Station	2	1		
9	Re-establish Fiber Connection to Portable Building	2	1		
10	Add Flagpole Light	2	1		
11	New Equipment Coordination	15			
12	Addition and Deletion of Lab Humidification Limit	8	4		
13	Add Window to Existing Building Wall	6	4		
<b>Total</b>		<b>94</b>	<b>56</b>	<b>150</b>	<b>\$22,400</b>

RESOLUTION 2018-112

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, additional design work is necessary to finalize plans for bidding purposes, resulting in Amendment No. 2; and

WHEREAS, such modifications to the original agreement are detailed in Amendment No. 2 and result in an agreement increase of \$22,400.00, for a revised agreement amount of \$299,689.00.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that Amendment No. 2 to the original consulting agreement with HDR of Omaha, Nebraska for Wastewater Treatment Plant Laboratory, Operations Control Center, 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, April 24, 2018.

\_\_\_\_\_  
Jeremy L. Jensen, Mayor

Attest:

\_\_\_\_\_  
RaNae Edwards, City Clerk

Approved as to Form	☒ _____
April 20, 2018	☒ City Attorney