

PUBLIC WORKS MEMORANDUM
#33-2022

DATE: June 27, 2022
TO: Honorable Mayor Meredith Leighty and City Council Members
THROUGH: Heather Geyer, City Manager *hmg*
FROM: Kent Kisselman – PE, Director of Public Works *FKK*
SUBJECT: CR-114 – Wastewater Treatment Plant Odor Mitigation Project Addendum #1

PURPOSE

To consider CR-114, a resolution approving Addendum #1 to the Wastewater Treatment Plant (WWTP) Odor Mitigation contract with Providence Infrastructure Consultants.

BACKGROUND

The City contracted with Providence Infrastructure Consultants for the design of the WWTP Odor Mitigation project. This work is considered part of the Lift Station A and Force Main budget items. The contract was originally for \$169,629 with a contingency amount of \$16,962.90. Since the start of this project, the engineering consultant has performed several out-of-scope tasks as requested by the City, including changing the entire design from an oxygen injection system to a ferric injection system. Addendum #1 provides for out-of-scope services, unanticipated directives, and future construction phase services that will be required.

BUDGET/TIME IMPLICATIONS

The Lift Station A and Force Main Replacement project budget is \$28.5 million; the table below details the expenses to date:

	Amount
Capital Project Fund	\$28,500,000
<i>Providence - Lift Station A and Force Main Design</i>	(\$1,334,245.94)
<i>Providence - Odor Mitigation Design</i>	(\$169,629)
Providence - Odor Mitigation Design Addendum #1	(\$66,527)
<i>JR Filanc - Lift Station A</i>	(\$10,194,758)
<i>Odor Mitigation</i>	(\$2,372,151.60)
<i>BT Construction - Force Main A</i>	(\$14,316,001)
<i>Other third parties (Terracon, SAFEBuilt)</i>	(\$40,340.22)
Budget Remaining	\$6,347.24

STAFF RECOMMENDATION

Attached is CR-114, a resolution that if approved would authorize the Mayor to execute Addendum #1 to the contract between the City and Providence Infrastructure Consultants for the Odor Mitigation Project in the amount of \$66,527. Staff recommends approval of CR-114.

STAFF REFERENCE

If Council members have any questions, please contact Kent Kisselman, Director of Public Works, at kkisselman@northglenn.org or 303.450.4005.

CR-114 – WWTP Odor Mitigation Project Addendum #1

SPONSORED BY: MAYOR LEIGHTY

COUNCIL MEMBER'S RESOLUTION

RESOLUTION NO.

No. CR-114
Series of 2022

Series of 2022

A RESOLUTION APPROVING ADDENDUM NO. 1 TO THE PROFESSIONAL SERVICES AGREEMENT BETWEEN THE CITY OF NORTHGLENN AND PROVIDENCE INFRASTRUCTURE CONSULTANTS FOR ENGINEERING SERVICES FOR THE WASTEWATER TREATMENT PLANT ODOR MITIGATION PROJECT

WHEREAS, the City of Northglenn entered into a Professional Services Agreement with Providence Infrastructure Consultants on September 14, 2020 for engineering services for the Wastewater Treatment Plant Odor Mitigation Project (the "Project"); and

WHEREAS, the City desires to supplement the Agreement with Addendum No. 1 to allow for an additional scope of services.

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTHGLENN, COLORADO, THAT:

Section 1. Addendum No. 1 to the Professional Services Agreement between the City of Northglenn and Providence Infrastructure Consultants, attached hereto, in an amount not to exceed \$66,527.00 for engineering services for the Wastewater Treatment Plant Odor Mitigation Project is hereby approved and the Mayor is authorized to execute same on behalf of the City of Northglenn. The total Project amount shall not exceed \$253,118.90.

DATED at Northglenn, Colorado, this ____ day of _____, 2022.

MEREDITH LEIGHTY
Mayor

ATTEST:

JOHANNA SMALL, CMC
City Clerk

APPROVED AS TO FORM:

COREY Y. HOFFMANN
City Attorney

ADDENDUM #1 TO AGREEMENT FOR PROFESSIONAL SERVICES

THIS FIRST ADDENDUM TO AGREEMENT FOR PROFESSIONAL SERVICES is made and entered into this _____ day of _____, 20____, by and between the CITY OF NORTHGLENN, State of Colorado (hereinafter referred to as the "City") and Providence Infrastructure Consultants (hereinafter referred to as "Consultant").

RECITALS:

A. On September 14, 2020 the City and Consultant entered into an Agreement for Professional Services for Lift Station A and Force Main Additional Design and Construction Support for Oxygen Injection System services (the "Agreement").

B. The parties desire to supplement the Agreement with this Addendum #1 to allow for an additional scope of services for:

Exhibit A, Ferric Injection Final Design and Construction Phase Support Services

AGREEMENT

NOW, THEREFORE, it is hereby agreed that for the consideration hereinafter set forth, that Consultant shall provide to the City, professional design, and construction support services as needed in the manner provided in the Agreement.

1. The Scope of Services in the Agreement is hereby supplemented to include the scope of services for Ferric Injection final design and construction phase support services attached hereto as **Exhibit A** and incorporated herein by this reference (the "Additional Scope of Services"). Compensation for the Additional Scope of Services shall not exceed \$66,527 as provided in **Exhibit B** attached hereto. Consultant shall commence work on the Additional Scope of Services within ten (10) days of the issuance of a Notice to Proceed.

2. Subparagraph A. of Article IV entitled "Compensation" is hereby amended to provide as follows:

A. Compensation shall not exceed \$236,156 for the work performed under the original contract and the Additional Scope of Work as described in **Exhibit A** to this Addendum #1.

3. The original Agreement is in full force and effect and is hereby ratified by the City and the Consultant. The original Agreement and this Addendum constitute all of the agreements between the City and the Consultant.

IN WITNESS WHEREOF, the parties hereto each herewith subscribe to the same in duplicate.

CITY OF NORTHGLENN, COLORADO

By: _____

Meredith Leighty

Print Name

Mayor

Title

Date

ATTEST:

Johanna Small, CMC, City Clerk

APPROVED AS TO FORM:

Corey Y. Hoffmann, City Attorney

CONSULTANT

By:  _____


President

05/02/2022

Title

Date

ATTEST:

 _____
Administrative Assistant 05/02/2022

Title

Date



EXHIBIT A - MEMO

TO: Mike Roman, City of Northglenn
FROM: Brett Bohn, P.E.
DATE: April 14, 2022
RE: **NORTHGLENN ODOR CONTROL PROJECT
AMENDMENT NO. 1 - FERRIC INJECTION FINAL DESIGN AND CONSTRUCTION
PHASE SERVICES**

Northglenn Project ID: 2020-080
PIC Project ID: 201009

The purpose of this memorandum is to summarize the efforts and costs associated with the City’s desire to move from an oxygen injection system to a ferric injection system with biofilters at the headworks facility as well as to create a separate set of contract documents for advertising for a separate construction contract.

301 – Iron Addition

Providence Infrastructure Consultants (PIC) has provided a preliminary design for the ferric injection site as well as the location for the biofilters near the headworks facility. A site meeting was held January 31, 2022 to determine the remaining efforts required. These include coordination and design of the civil, electrical, process, and instrumentation efforts needed to complete the plans for construction. PIC has engaged Magna IV (electrical), Browns Hill (process), and Alden (structural) to determine which entities will be handling different aspects of the project. Moving forward, PIC will lead the efforts to compile the plans and specs from Magna IV, Browns Hill, and Alden and incorporate them into the final design package. Because of the change to have this bid separately from the Lift Station A Replacement Project, there will be more time required to develop separate contract documents including the RFP, specifications, and drawings.

400 – Construction Services

With the change from an oxygen injection system to a ferric injection system, more budget than originally estimated will be necessary to accommodate for additional RFIs, submittals, as-built drawings, and construction observation visits. The original oxygen injection system had fewer estimated submittals and RFIs due to its more simplistic nature.

Costs

PIC has been tracking and charging time separately for the efforts related to the ferric injection system. The work that has already been done has been taken into consideration with this cost summary. In development of this Amendment #1, PIC has estimated the fees to complete the additional services for the ferric injection system and construction phase services.

Amendment No. 1 Cost Summary

Task ID	Task Description	Total \$
301	Iron Addition	\$ 53,573.00
400	Construction Services	\$ 12,954.00
	Amendment #1 Total	\$ 66,527.00

EXHIBIT B - COST BREAKDOWN

Amendment #1 - Additional Budget to Complete Ferric Injection & Biofilters at WWTP

Task ID	Task Description	Principal II	Senior Engineer III	Staff Engineer IV	CADD I	Admin III	Total Hrs	Total \$
301	Iron Addition	4	158	142	34	5	343	\$ 53,573.00
400	Construction Services		8	76	4		88	\$ 12,954.00

Total Amount for Amendment #1 \$ 66,527.00

Original Contract Amount \$ 167,717.00

Revised Contract Amount \$ 234,244.00

