

REQUEST AUTHORIZATION FOR MAYOR AND FINANCE OFFICER TO SIGN PROFESSIONAL SERVICES AGREEMENT OR AMENDMENT

Date: March 14, 2017

Project Name & Number: Water Reclamation Facility (WRF) Process Reliability Improvements; CIP #: 51141
Project No. 16-2342

Project Description: Engineering services to develop contract documents for improvements to increase the reliability of the WRF Trickling Filter Lift Station and Aeration Basin Activated Sludge processes.

Consultant: HDR Engineering, Inc.

Original Contract Amount: \$76,567.00	Original Contract Date: Nov. 7, 2016	Original Completion Date: 16 weeks after Notice to Proceed
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Addendum No: 1


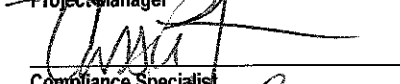

Amendment Description: Inclusion into the project scope of Professional Engineering services for design and bidding of a self priming suction lift pump in the Aeration Basin Blower and Pump Building



Current Contract Amount: <u>\$76,567.00</u>	Current Completion Date: <u>16 weeks after NTP</u>
Change Requested: <u>\$15,880.00</u>	
New Contract Amount: <u>\$92,447.00</u>	New Completion Date: <u>16 weeks after NTP</u>

Funding Source This Request:

Amount	Dept.	Line Item	Fund	Comments
\$15,880.00	833	4223	604	Wastewater Replacement / Improvements
\$15,880.00	Total			

Agreement Review & Approvals

	3-1-17	
Project Manager	Date	
	3-6-17	
Compliance Specialist	Date	
	3-7-17	
City Attorney	Date	

	3-7-17	
Division Manager	Date	
	3-7-17	
Department Director	Date	

ROUTING INSTRUCTIONS

Route two originals of the Agreement for review and signatures.
 Finance Office - Retain one original
 Project Manager - Retain second original for delivery to Consultant
 cc: Public Works
 Engineering
 Project Manager

FINANCE OFFICE USE ONLY

(Note to Finance: Please write date of Agreement in appropriate space in the Agreement document)

Date	Initials	Approved
3/8/17	SW	(Y) N
Cash Flow		Y N

AMENDMENT NO. 1 TO AGREEMENT

Project: WRF Process Reliability Improvements
Project No. 16-2342

Background Data: Date of Original Agreement: November 7, 2016
Owner: City of Rapid City
Engineer: HDR Engineering, Inc.

Nature of Amendment: Design for the addition of a self priming suction lift pump in the Aeration Basin Blower and Pump Building. The pump is intended to dewater a single aeration basin by pumping through existing piping to the opposing Aeration Basin. See Exhibits A and B.

Current Contract Amount: \$76,567.00

Change Requested: \$15,880.00

New Contract Amount: \$92,447.00

Owner and Engineer hereby agree to modify the above referenced Agreement as set forth in this Amendment. All provisions of the Agreement not modified by this or previous Amendments remain in effect. The effective date of this Amendment is:

March 20, 2017

CITY OF RAPID CITY:
By: _____
Mayor

Date: _____

ATTEST:
By: _____
Finance Officer

Date: _____

ENGINEER:
By: [Signature]
HDR Engineering, Inc.

Date: 12/20/16

REVIEWED BY:
[Signature]
Dan Coon, PE Operations Management Engineer



AMENDMENT #1

EXHIBIT A

SCOPE OF ENGINEERING SERVICES

WATER RECLAMATION FACILITY PROCESS RELIABILITY IMPROVEMENTS PROJECT NO. 16-2342/CIP NO. 51141

PROJECT DESCRIPTION

HDR was selected by the City to provide engineering design and bidding services for the Process Reliability Improvements project. The recently adopted Water Reclamation Facility (WRF) Facility Plan identified short and long term capital improvement needs at the WRF. Two of the projects identified to increase the reliability of the treatment processes are currently included in the engineering scope of services. Those improvements are:

- Replacement and reconfiguration of piping and valves in the Trickling Filter Pump Station.
- Replacement of the curtain selectors in the Aeration Basins.

A third project identified in the Facility Plan which is being added by Amendment #1 includes:

- Addition of a self priming suction lift pump in the Aeration Basin Blower and Pump Building. The pump is intended to dewater a single aeration basin by pumping through existing piping to the opposing aeration basin.

SCOPE OF SERVICES

The RAS Drain Pump project will be incorporated into the existing scope of engineering services. The recommended project will be included in the Evaluation Phase Findings Report and carried through Design and Bidding phases based on the existing scope of services and the following assumptions:

1. Record drawings will be utilized to create background CAD drawings.
2. The existing electrical service is sufficient.
3. Instrumentation will be limited to basic controls.

Construction Phase services are not included in the current scope of work. These services are anticipated to be provided after completion of the bidding phase.

HDR will utilize Advanced Engineering & Environmental Services, Inc (AE2S) as a subconsultant to complete the scope of services.

Exhibit B

Rapid City WRF - Process Reliability Improvements

Project No 16-2342 / CIP 51141

Evaluation and Design Phase Engineering Services

HDR Engineering, Inc.

December 2016

Task	LABOR	EXPENSES		TOTAL
	TOTAL HOURS	EXPENSE TOTAL (\$)	AE2S TASK TOTAL	TOTAL (\$) WITH SUB
Task 1 - Preliminary Design Services				
A1.1.1 - Project Management & Administration	6	\$ 50	\$ -	\$ 930
A1.1.2 - Preliminary Design, Drafting, and Specifications	18	\$ -	\$ 1,841	\$ 4,181
A1.1.3 - Opinions of Probable Construction Costs	3	\$ -	\$ -	\$ 510
A1.1.4 - Draft Evaluation Phase Report	4	\$ -	\$ -	\$ 680
A1.1.5 - Final Evaluation Phase Report	2	\$ -	\$ -	\$ 340
Task 1 Hours	33			
Task 1 Fee	\$ 4,750	\$ 50	\$ 1,841	\$ 6,641
Task 2 - Final Design Services				
A1.2.1 - Final Design, Drafting, and Specifications	24	\$ 50	\$ 3,790	\$ 6,960
A1.2.2 - Submittal Preparation, QA/QC, and Review Meetings	2	\$ -	\$ -	\$ 340
Task 2 Hours	26			
Task 2 Fee	\$ 3,480	\$ 50	\$ 3,790	\$ 7,300
Task 3 - Bidding Services				
A1.3.1 - Respond to Bidder Questions/Issue Clarifications	4	\$ -	\$ 919	\$ 1,599
A1.3.2 - Issue Addenda to Bid Documents (as needed)	1	\$ -	\$ -	\$ 170
A1.3.3 - Review Bid Tab	1	\$ -	\$ -	\$ 170
Task 3 Hours	6			
Task 3 Fee	\$ 1,020	\$ -	\$ 919	\$ 1,939
Total Hours	65			
Total Fee	\$ 9,230	\$ 100	\$ 6,550	\$ 15,880

SUMMARY	
Total Hours	65
Direct Expenses	\$ 100
Total Labor	\$ 9,230
Subconsultant	\$ 6,550
Total	\$ 15,880