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

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: $76,567.00
Change Requested: $15,880.00
New Contract Amount: $92,447.00

Current Completion Date: 16 weeks after NTP
New Completion Date: 16 weeks after NTP

Funding Source This Request:

<table>
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<th>Amount</th>
<th>Dept.</th>
<th>Line Item</th>
<th>Fund</th>
<th>Comments</th>
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<td>4223</td>
<td>604</td>
<td>Wastewater Replacement / Improvements</td>
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$15,880.00 Total

Agreement Review & Approvals

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

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

FINANCE OFFICE USE ONLY

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

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

109A Authorization for Mayor & Finance Officer to Sign
Rev. 03/2009
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: _______________________

REVIEWED BY:

[Signature]
Dan Coon, PE Operations Management Engineer

[Signature]
ENGINEER:
By: ____________________________
   HDR Engineering, Inc.
Date: 12/20/16
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

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<thead>
<tr>
<th>Task</th>
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<th>Expense Total ($)</th>
<th>AE2S Task Total ($)</th>
<th>Total ($) with Sub ($)</th>
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| **Total Hours** | 65 | | | $15,880 |
| **Total Fee** | $9,230 | | | $6,550 |

**SUMMARY:**

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