

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

**Date: February 23, 2010**

**Project Name & Number:** Professional Engineering Services Contract for City of Rapid City Water Treatment Plant Upgrades – Membrane Prepurchase & Jackson Springs Design, Project No.: W07 - 1689 **CIP #:** 50696

**Project Description:** Membrane Prepurchase & Jackson Springs Final Design - Design of the recommended Jackson Springs Water Treatment Plant including prepurchase of the membrane equipment for both the Mt. View and Jackson Springs water treatment plants. The design will be substantially based on the conceptual designs previously completed and approved by City Council.

**Consultant:** Burns & McDonnell Engineering Co., Inc.

<b>Original Contract Amount:</b> \$1,745,552.00	<b>Original Contract Date:</b> August 5, 2008	<b>Original Completion Date:</b> August 1, 2009
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**Amendment Number:** 1

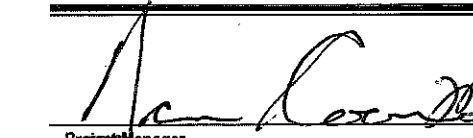

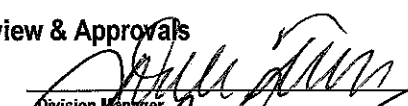

**Amendment Description:** Amendment includes additional surveying, hydraulic modeling, and geotechnical investigation for Rapid Creek raw water intake structure, increased historical investigation for SRF Loan application approval, and increased project meetings and project management resulting from extended design schedule. Eliminated second SRF Loan application.

<b>Current Contract Amount:</b> \$1,745,552.00	<b>Current Completion Date:</b> August 1, 2009
<b>Change Requested:</b> \$67,412.00	
<b>New Contract Amount:</b> \$1,812,964.00	<b>New Completion Date:</b> September 1, 2010

**Funding Source This Request:**

Amount	Dept.	Line Item	Fund	Comments
\$67,412.00	933	4223	602	Water Enterprise Replacement/Improvement
\$67,412.00	Total			

**Agreement Review & Approvals**

<p> Project Manager <u>2/11/10</u> Date</p> <p> Department Director <u>2-12-10</u> Date</p>	<p> Division Manager <u>2-12-10</u> Date</p> <p> City Attorney <u>2-12-10</u> Date</p>
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**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)

<b>Appropriation</b>	<b>Date</b> 2/16/10	<b>Initials</b> JEB	<b>Approved</b>
<b>Cash Flow</b>			<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/> Y <input type="radio"/> N

**AMENDMENT NO. 1**  
**To**  
**AGREEMENT For PROFESSIONAL ENGINEERING SERVICES**  
**Between**  
**BURNS & McDONNELL ENGINEERING COMPANY, INC.**  
**Centennial, Colorado**  
**and**  
**CITY OF RAPID CITY, SOUTH DAKOTA**

This Contract amendment is made by and between Burns & McDonnell Engineering Company, Inc. a Missouri Corporation and City of Rapid City, South Dakota, this 1<sup>st</sup> day of March, 2010, for the Rapid City Water Treatment Plant Upgrades – Membrane Prepurchase and Jackson Springs Design (W07-1689).

Whereas, it is the mutual desire of the parties hereto to amend the AGREEMENT for PROFESSIONAL ENGINEERING SERVICES entered into on the 5<sup>th</sup> day of August 2008, hereinafter called the Existing Agreement.

Therefore, it is hereby agreed that the Existing Agreement be amended as follows:

**SCOPE OF SERVICES**

Revise the following:

**1.2 Monthly Progress Meetings with City**

Delete the fourth sentence in its entirety and replace with “It has been assumed that fourteen (14) monthly meetings will be required, with seven (7) of these meetings held at the OWNER facilities, and seven (7) of these conducted by conference call (and webcast when necessary).”

**1.6 Project Management**

The responsibilities described in this task will be extended through the revised project completion date described below.

**3.2 Utility Locates & Survey**

The responsibilities described in this task will apply to the revised limits of survey provided in Exhibit D rev1 required for the revised Rapid Creek intake location. One additional Rapid Creek cross section will be provided for use in the floodplain development permit application.

**3.3 Geotechnical Investigations**

The responsibilities described in this task will apply to the revised limits of the geotechnical investigations provided in Exhibit D rev1 required for the revised Rapid Creek intake location. One additional soil boring at the revised intake location and analysis will be provided for the design of the intake structure.

**3.5 Floodplain Study and Floodplain Development Permit**

The responsibilities described in this task will include the additional modeling necessary to include the revised Rapid Creek intake structure (type) and location.

**6.3 SRF Loan Applications & Public Hearings**

In the first sentence delete “two (2)” and replace with “one (1)”.

Delete the last sentence in its entirety.

Add a second paragraph as follows:

“The ENGINEER will subcontract with Quality Services Incorporated to provide the Architectural Historian services and documentation required for the approval of the SRF loan application by the State Historical Preservation Office. A second document will be prepared for the existing Mt. View Water Treatment Plant in anticipation of a future SRF loan application.

**TIME OF SERVICE**

In the second sentence delete “August 1, 2009” and replace with “September 1, 2010”.

**COST REIMBURSIBLE NOT TO EXCEED**

Delete Paragraph A.1. d. 2. in it’s entirety and replace with: “Total payment for the Scope of Services described herein shall not exceed One Million Eight Hundred Twelve Thousand Nine Hundred Sixty-four Dollars (\$1,812,964) without written approval of OWNER.”

This amendment will be deemed a part of, and be subject to, all terms and conditions of the Existing Agreement. Except as modified above, the Existing Agreement will remain in full force and effect.

BURNS & MCDONNELL ENGINEERING CO.

**ACCEPTED:**

By Mark Lettwerdt

Title Associate Vice President

Date FEBRUARY 2, 2010

**ATTEST:**

By [Signature]

Title Associate

Date 2/2/2010

CITY OF RAPID CITY

**ACCEPTED:**

By \_\_\_\_\_

Title Mayor

Date \_\_\_\_\_

**ATTEST:**

By \_\_\_\_\_

Title Finance Officer

Date \_\_\_\_\_

**END OF AMENDMENT NO. 1**

**PERSONNEL EFFORT  
CITY OF RAPID CITY  
JACKSON SPRINGS WTP DESIGN & MEMBRANE PREPURCHASE**

ACTIVITY NAME	Total BMCD Labor		Total Subconsultants	Direct Expenses	Addendum No. 1 Fee	Change In Fee	Original Fee
	Hours	Cost					
<b>1.0 - PROJECT INITIATION AND MANAGEMENT</b>	694	\$85,516	\$3,520	\$6,449	\$274,072	\$53,395	\$220,677
1.2.1 Monthly Progress Meetings In Rapid City	26	\$3,732	\$0	\$784	\$11,980	\$11,980	\$49,999
1.6 Project Management	284	\$38,760	\$0	\$2,655	\$41,415	\$41,415	\$124,668
						\$0	
<b>4.0 - PRELIMINARY DESIGN PHASE</b>	1658	\$205,696	\$20,042	\$18,802	\$257,300	\$12,760	\$244,540
4.6 Additional Subconsultant work for Intake Structure	0	\$0	\$11,600	\$1,160	\$12,760	\$12,760	\$0
			\$0				
<b>6.0 - FINANCING &amp; FUNDING ASSISTANCE</b>	415	\$58,888	\$0	\$4,060	\$73,896	-\$1,423	\$75,319
6.2 Grant Applications (3)	204	\$27,400	\$0	\$1,918	\$29,318	\$0	\$29,318
6.3 SRF Loan Applications (2) & Public Hearings	163	\$22,302	\$0	\$1,653	\$23,955	-\$14,573	\$38,529
6.5 Architectural Historian Services (QSI)	0	\$0	\$13,150	\$0	\$13,150	\$13,150	\$0
Travel Expenses					\$30,420	\$2,680	\$27,740
<b>TOTAL ENGINEERING FEE (PREPURCHASE/DESIGN PHASE)</b>					\$1,812,964	\$67,412	\$1,745,552

DATE: 7/10/2008 FILE: \\server\PROJECTS\Project\2008\Projects\W\McDonnell\SpringSurvey\GIS\22310.mxd



**JACKSON SPRINGS WATER TREATMENT PLANT**  
PROPOSED LOCATION AT CLEGHORN SCHOOL  
CITY OF RAPID CITY, SD



Prepared By  
**FEC** Ferber  
Engineering  
Company, Inc.  
Civil Engineering • Water Resources • Transportation • and Consulting  
201 East Washington St., Rapid City, SD 57701 • (605) 342-3111



CITY PROJECT NO. 1