

AMENDMENT NO. 1 TO AGREEMENT

Project: East Rapid City Water System Expansion,
Project No. 13-2107/CIP 50964
Agreement for Basic and Enhanced Construction Phase
Services

Background Data: Effective Date of Agreement: March 13, 2015
Owner: City of Rapid City
Engineer: Banner Associates, Inc.

Nature of Amendment: This amendment includes additional services provided by the Engineer and includes the following: Due to addition of two (2) projects not anticipated in the scope as negotiated, there is an increase in effort expended to administer and conduct daily construction observation duties for the construction of the extra projects. Additional time is required due to the change in construction schedule from a one-season construction project to a two-season construction project.

Current Contract Amount: \$298,986.00

Change Requested: \$ 52,734.00

New Contract Amount: \$351,720.00

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.

CITY OF RAPID CITY:

By: _____
Mayor

Date Signed: _____

ENGINEER:

By: _____
Banner Associates, Inc.

Date Signed: 4/29/19

ATTEST:

By: _____
Finance Officer

Date Signed: _____

REVIEWED BY:

Klare Schroeder, PE
Construction Group Coordinator



EXHIBIT "A"

East Rapid City Water System Expansion

Project No. 13-2107/CIP 50964

Amendment No. 1 to Agreement for Basic and Enhanced Construction Phase Services

General Project Summary: The East Rapid City Water System Expansion Project generally consists of a major expansion of Rapid City's water distribution system to serve drinking water users served by existing private systems presently incurring drinking water (Federal Clean Water Act) violations with the potential to include other underserved water consumers located east of the current City limits. The Expansion is currently proposed to include approximately 28,770 feet of 12 inch water main, 10,200 feet of 8 inch water main and also includes a pressure reducing valve (PRV) facility.

NATURE OF THE AGREEMENT:

This amendment includes adjustments to the scope agreed to during negotiations of the current agreement. At the end of the 2017 construction season Banner had not yet expended the amount in the construction services agreement and were hopeful that what was left over would last through 2018. Due to issues discussed below the water main design turned out to be more complex than anticipated resulting in increased demands for time spent overseeing the projects. Due to SRF funding requirements the construction and design contracts were negotiated at the same time. In the discussions leading up to the agreement for design and construction services it was agreed that the project would be broken into 2 to 3 subprojects (see attached internal memo provided to banner 1/7/2015). Just prior to the execution of the final agreement in 2015 correspondence with the City Construction Division indicated that 3 to 4 subprojects were anticipated with the likelihood that the final number would be 3. The number of subprojects was expanded to 6 all of which were bid separately.

Construction was anticipated to occur in 2016/2017. The actual time of construction took place during 2017 and 2018 this was due to issues beyond Banner's control such as extended easement negotiations, greater complexity and more home owner meeting than anticipated. Three of the six subprojects were constructed during the summer of 2017 and the remaining two in 2018. The original contract assumed that all subprojects would be constructed during the same construction season overlapping approximately 61%. The actual 2017 subproject construction year followed this assumption closely and the 2018 season showed approximately 70% overlap

Also included in this amendment are adjustments to Banner's fee schedule to reflect 2018 labor rates as well as adjustments to team members in the 2018 construction season. In the original project agreement costs were based on 2015 labor rates with rates for 2016 and 2017 included in Exhibit C.

Administration Costs:

Due to the additional projects not anticipated in the scope as negotiated (3 or 4 packages) there was an increase in effort expended to administer the construction of two extra projects. Additional administrative time is also required due to the change in construction schedule from a one-season construction project to a two-season construction project. Additional administrative and management time is estimated to be 168 hours.

Daily On-Site Observation Costs:

Due to the additional projects not anticipated in the scope as negotiated (3 or 4 packages) there was an increase in effort expended to conduct day to construction observation duties. Additional time is required due to the change in construction schedule from a one-season construction project to a two-season construction project. Additional construction observation time is estimated to be 427 hours.

AMENDMENT NO. 1 TO EXHIBIT "B"
Agreement for Basic and Enhanced Construction Phase Services

East Rapid City Water System Expansion
 Project No. 13-2107/CIP 50964

TASK 4: BASIC CONSTRUCTION SERVICES

Task 4.1	Prepare for, Coordinate & Conduct Pre-Construction Conference:	Increase by	\$1,502
Task 4.3	Recommendations to Address changes or unknown conditions:	Increase by	\$1,720
Task 4.4	Review & Return Shop Drawings:	Increase by	<u>\$2,920</u>
	Subtotal Basic Construction Services		<u>\$6,142</u>

TASK 5: EXPANDED CONSTRUCTION SERVICES

Task 5.3	Notify affected Property Owners:	Increase by	\$800
Task 5.4	Prepare for, Coordinate & Conduct Progress Meetings (Bi-Monthly):	Increase by	\$4,664
Task 5.5	Daily On-Site Observation:	Increase by	\$35,388
Task 5.7	Perform storm water Inspections:	Increase by	\$1,760
Task 5.10	Submit monthly pay requests:	Increase by	\$2,520
Task 5.12	Prepare and Submit Project Punchlist(s):	Increase by	\$932
Task 5.13	Prepare & Submit CORC "Construction Project Close-out Checklist(s)":	Increase by	<u>\$528</u>
	Subtotal Expanded Construction Services		<u>\$46,592</u>

Task 4 & 5 Total	\$52,734
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EXHIBIT "C" Amendment No. 1
SCHEDULE OF LABOR RATES AND EXPENSES
East Rapid City Water System Expansion Project

<u>EMPLOYEE CLASSIFICATION</u>	<u>ID</u>	<u>2018 Rate/Hr</u>
Sr. Project Manager	2057	\$176.00
Project Manager	2170	\$132.00
Project Engineer/ Designer		
Staff Engineer/ Designer	2140	\$ 84.00
	2143	\$ 78.00
	2147	\$ 80.00
CADD Manager		
Sr. CADD Technician		
CADD Technician	2155	\$ 71.00
CADD Drafter		
Survey Manager	2101	\$105.00
Administrative		
GIS Technician/Engineer		
Summer/Part-time/Temporary		

1. Transportation at \$0.55 per mile in addition to the above hourly rates.
2. Meals at State Rates.
3. Lodging at actual cost.
4. Reproduction:

Photocopy	\$0.07/Copy
Color Copies	0.30/Copy
Black & White Laser Prints.....	0.15/Sheet
Vellabond & Plain Paper Plots	0.50/Sq.Ft.
Mylar Film Copies and Plots.....	1.00/Sq.Ft.
5. Subcontracts..... Actual Cost
6. All other direct project expenses at actual cost of materials.