

AMENDMENT NO. 3 TO AGREEMENT

Project: Southside Drive Sanitary Sewer Extension

Background Data: Original Contract Date: July 16, 2013
Owner: City of Rapid City
Consultant: HDR Inc.

Nature of Amendment: This amendment revises the project schedule, adds funding for project scope changes encountered during the design process, and eliminates items removed from the project scope. These changes are described in exhibits A, and B. The new contract completion date shall be December 31, 2017.

Current Contract Amount: \$ 570,734.00

Change Requested: \$ 21,547.00

New Contract Amount: \$ 592,281.00

Owner and Contractor 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:

CITY OF RAPID CITY

ENGINEER

By: _____
Mayor

By: _____

Date: _____

Date: _____

ATTEST:

By: _____
Finance Officer

Date: _____



Exhibit A – Design Scope of Services – Amendment #3

Project Background

HDR Engineering was selected by the City of Rapid City in July of 2013 to complete design services for the sanitary sewer extension project on the southeast side of Rapid City. Amendment #1 and #2 were previously approved for additional services including environmental permitting, bidding of two separate construction projects, additional geotechnical investigation, and additional project management efforts and labor escalation required for the extended project schedule. City Engineering staff have revised bid dates to accommodate the current bidding environment and available budgets.

Amended Project Design Scope of Services

TASK 2A – FINAL DESIGN SERVICES

This task consists of all services necessary to take project from Task 1 Preliminary Design Services through the Final Design Services, and shall include the following itemized services.

- A3.1 Structural Design of Cast in Place Manhole. The layout and structural design of a special manhole was provided by HDR. The design incorporated corrosion protection and will allow for a future downstream trunk sewer to relieve the existing 27” sewer located east of Felicia Street. The original project scope included manhole layout and sizing of precast manholes however the City preferred a cast in place structure at this location requiring a structural engineer.
- A3.2 Additional Construction Document Review Submittal. An additional review submittal was provided for the Southside Drive plans after 95% documents and prior to Issued for Bid documents. A preliminary set of Reservoir Road plans was provided (included in existing task 2A.6) to assist with landowner negotiations. Since that time the sewer alignment has been revised which required revisions to the construction plans.
- A3.3 Material Evaluation for Basis of Award. Following bid opening of the Southside Drive construction bids HDR provided a material evaluation for the City’s use in selecting the preferred bid alternate.
- A3.4 Floodplain Development Permit. HDR applied for a Floodplain Development Permit through Pennington County. The permit was required due a portion of the project being located within the floodplain boundary. A second permit is required for the Reservoir Road project. A total of two floodplain development permits will be obtained.
- A3.5 Topographic Survey. HDR completed additional topographic survey in an area where the ground has been altered since the original survey completed in 2013.
- A3.6 Utility Location Verification. HDR coordinated utility locates and surveyed utility locations on Southside Drive. The previous approach included a single bid package and additional effort was required for separate bids.
- A3.7 Project Management: Additional Project Management requirements for schedule extension. The Reservoir Road bid date has been extended five months from the previously agreed upon schedule. Project management tasks include project monitoring and reporting, resource management and allocation based on current



activities, budgeting and monthly invoicing, coordinating with the owner and subconsultants, and HDR team meetings.

Deductions from Existing Contract:

2A.6 – Easement Acquisition. Fewer easements were required than originally anticipated. The engineering fee has been reduced to account for a reduction in actual effort.

2A.7 – Service Agreements. Individual service connections to the new sewer were not allowed as originally anticipated. The engineering fee has been reduced to account for a reduction in effort associated with securing service agreements.

Amended Project Schedule

The revised project schedule for final design services is based on the current project status and goals for the project. The actual schedule for the Reservoir Road Construction Project is dependent on easement acquisition.

Reservoir Road Construction Project

65% Plan Submittal	Completed December 20, 2016
Easements Secured	February 15, 2017
100% Plan Submittal	Three weeks after receiving City Review Comments
Issued for Bid Plans	Two weeks after receiving City Review Comments
Bid Date	Anticipated April 4, 2017

Exhibit B
 CITY OF RAPID CITY - SOUTH SIDE SEWER EXTENSION PROJECT
 AMENDMENT #3 - FEE ESTIMATE

Total Hours Labor Total Expense Total

Task 2A – Final Design Services			
A3.1 Structural Design of Cast in Place Manhole	56	\$7,003	\$0
A3.2 Additional Construction Document Review Submittal	23	\$2,795	\$50
A3.3 Material Evaluation for Basis of Award	14	\$1,770	\$25
A3.4 Floodplain Development Permit	28	\$3,260	\$0
A3.5 Topographic Survey	11.5	\$1,668	\$0
A3.6 Utility Location Verification	36	\$4,800	\$275
A3.7 Project Management (5 Additional Months)	59	\$7,115	\$77
Deduct 2A.6 - Easement Acquisition	-25	-\$3,375	\$0
Deduct 2A.7 - Connection Agreements	-29	-\$3,915	\$0

Amendment #3 Total 173.5 \$21,120 \$427

TOTAL LABOR \$21,120
TOTAL EXPENSES \$427
TOTAL NOT TO EXCEED FEE \$21,547