

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

Date: 11-20-15

Project Name & Number: Dakota Drive Watermain Reconstruction Project W10-1894

CIP #: 50399

Project Description: To provide design and bidding services.

Consultant: FMG, Inc.

Original Contract Amount: \$48,707.00

Original Contract Date: 11-16-10

Original Completion Date: 5-13-11

Addendum No: 4

Amendment Description: W. Main Street corridor bikeway analysis 43rd Court to Jackson Boulevard

Current Contract Amount: \$121,767.00

Current Completion Date: April 30, 2012

Change Requested: \$107,175.00

New Contract Amount: \$228,942.00

New Completion Date: _____

Funding Source This Request:

	Line	Dept.		
\$107,175.00	505	4223	8910	Streets
\$107,175.00	Total			

Agreement Review & Approvals

Keith Johnson 11/18/15
Project Manager Date

James Lita 11/18/15
Compliance Specialist Date

Nade Aly 11/23/15
City Attorney Date

[Signature] 11-19-15
Division Manager Date

" " _____
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	
Appropriation	11/20/15	JB	(Y)	N
Cash Flow			Y	N

AMENDMENT NO. 4 TO AGREEMENT

Project: Dakota Drive Watermain Reconstruction
Project No. W10-1894 / CIP No. 50399

Background Data: Effective Date of Agreement: November 15, 2010
Owner: City of Rapid City
Engineer: FMG, Inc.

Nature of Amendment: W. Main Street corridor bikeway analysis 43rd Court to Jackson Boulevard

Current Contract Amount: \$121,767.00

Change Requested: \$107,175.00

New Contract Amount: \$228,942.00

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:

CITY OF RAPID CITY:

ENGINEER:

By: _____
Mayor

By: _____
FMG, Inc.

Date Signed: _____

Date Signed: _____

ATTEST:

By: _____
Finance Officer

Date Signed: _____

REVIEWED BY:



Keith Johnson, Project Manager



EXHIBIT A

SCOPE OF SERVICES FOR AMENDMENT NO. 4

**TO PROFESSIONAL SERVICES AGREEMENT
DAKOTA DRIVE WATER MAIN RECONSTRUCTION**

FOR

**WEST MAIN STREET CORRIDOR BIKEWAY ANALYSIS
43RD COURT TO JACKSON BOULEVARD
PROJECT NO. W10-1894 / CIP NO. 50399**

As a part of the Dakota Drive Reconstruction project, a section of West Main Street is being partially reconstructed to install new water mains and sewer lines in West Main Street. Final plans and bidding documents were completed in May, 2012 but the project construction was postponed because of ROW and easement needs on commercial properties along West Main Street and other construction activity in the western part of the City. The project plans are being revised under Amendment No. 3 to reflect construction of new commercial buildings in the project area and to add reconstruction of the water main in a portion of Harter Drive. Plans for reconstruction of the section of West Main Street associated with the Dakota Drive project did not include provisions for bike lanes. In addition, project design for reconstruction of Sheridan Lake Road between Canyon Lake Drive and W. Main Street including the Sheridan Lake Road/W. Main Street intersection is underway.

In the "Rapid City Area Bicycle and Pedestrian Master Plan dated July, 2011, West Main Street between 44TH Street and West Boulevard has been designated as a Bikeway.

The City of Rapid City Public Works Department has determined the need to procure professional services to provide an analysis of the West Main Street corridor and provide cost differential estimates for reconstruction of West Main Street with and without bike lanes. Anticipated ROW acquisition and temporary easement needs will be identified. This analysis will include the corridor extending from 43RD Court to Jackson Boulevard.

Public Works officials will discuss the findings of the analysis with City Council and request guidance for future reconstruction of West Main Street as a part of the Dakota Drive project and Sheridan Lake Road reconstruction project as well as future W. Main Street reconstruction projects.

The list of specific tasks for this additional project is shown on Exhibit B-Amendment No. 4 and shall be completed in conformance with the original agreement.

TASK 1 - PRELIMINARY DESIGN SERVICES:

This task consists of all services necessary to take the project from beginning through the Preliminary Design submittal stage, and may include the following itemized services.

- 1.1 Kick-off Conference: The consultant shall meet with City staff to detail project concept and scope. The consultant shall prepare an agenda, take minutes, and distribute minutes.
- 1.2 Review background information any other resources as necessary. Obtain and review the Rapid City Area Bicycle and Pedestrian Master Plan, Arterial Street Safety Study and other documents as needed.
- 1.3 Perform site surveys sufficient for preliminary design plan preparation and corridor analysis. The route and topography survey shall be in NAD 83 (2011) NAVD 88 South Dakota State Plane South Zone. The horizontal and vertical coordinates may be established from the Rapid City Primary Control Network. The site survey will be limited to that necessary to identify existing ROW locations and widths for the corridor analysis. For the purpose of this analysis, individual properties will not be surveyed but rather, the City/County GIS parcel information will be incorporated into the preliminary

plans except as noted below.

City 2015 aerial photos and Lidar information along with the ROW survey information will be used for preparation of preliminary plan, profiles and cross sections to identify additional ROW and easement needs.

Detailed field surveys will be completed for critical building locations.

1.4 Conceptual Design Submittal.

The Conceptual Design Submittal shall generally consist of the following documents:

1.4A. Conceptual Design Report

Prepare a Conceptual Design Report: The consultant shall establish and indicate project specific design criteria and standards within the Conceptual Design Report. The consultant shall submit all design assumptions. The Consultant shall reference design criteria and reference design resources.

The Consultant shall use the City Infrastructure Design Criteria Manual to establish design criteria and standards except that typical street sections established and furnished by City staff will be used for the corridor analysis. The typical street sections furnished by the City will be reviewed and discussed with City staff prior to beginning the corridor analysis. FMG will provide comments if revisions to the typical sections are recommended.

The Conceptual Design Report shall evaluate the critical street intersections, approaches, alignments and sight distances. The impacts of incorporating recommendations of the Arterial Street Safety Study will be identified.

Provide alignment and profile for West Main Street for two options: one with bike lanes and one without bike lanes using typical street sections established by City staff. For each option, identify existing ROW locations, construction limits, right-of-way needs and temporary easement needs will be established. Cross sections for options will be provided at critical locations.

A probable opinion of construction costs for the project(s) shall be included. The costs shall be itemized based on the City's standard bid items and appropriate contingency item allowance. Cost estimates for water system improvement, sanitary sewer improvements, storm sewer improvements, street lighting and signalization will not be included since the cost will be generally the same for each option. Costs for temporary easements and permanent right of way acquisition from private property shall be estimated based on costs from recent City and DOT projects.

Submit three (3) copies and a PDF version of the Conceptual Design Report and preliminary plans to City of Rapid City's project manager for review and comment.

1.4B. Conceptual Drawings

Provide three (3) copies and a PDF version of the conceptual drawings. The conceptual drawings shall contain the following sheets:

- Title Sheet.
- Property Layout and Land Ownership.
- Typical Sections.
- Plan and Profile Sheets for each of the two options. Utilities will not be shown on the plan and profile sheets.
- Critical Cross Sections.
- ROW Plans showing ROW Acquisition and Temporary Easement needs for each of the two options
- Plan sheets will be on 11" x 17" sheets with a horizontal scale of 1" = 40' and shall be prepared utilizing the latest City of Rapid City Drafting Standards.

1.5 Attend submittal review meeting with City staff, if necessary.

BILLING RATES

Billing rates for this Amendment No. 4 shall be as shown in Exhibit C-Amendment No. 3 to the Professional Services Agreement, Dakota Drive Water Main Reconstruction

END OF SCOPE NARRATIVE

FMG ENGINEERING
2014 RATE SCHEDULE
FOR
PLANS REVISION AND UPDATE
DAKOTA DRIVE WATER MAIN RECONSTRUCTION
PROJECT NO. W10-1894 / CIP NO. 50399

<u>PERSONNEL</u>	<u>RATE</u>
Principal Civil Engineer	\$140.00/hr
Senior Civil Engineer	\$115.00/hr
Senior Materials Specialist	\$110.00/hr
Civil Engineer – PE	\$85.00/hr
Civil Engineer – EIT	\$75.00/hr
Construction Observer	\$75.00/hr
Environmental Scientist	\$85.00/hr
Engineering Technician	\$55.00/hr
CADD Technician	\$70.00/hr
Registered Land Surveyor	\$85.00/hr
Survey Crew Chief	\$70.00/hr
Survey Technician	\$55.00/hr
Materials Technician	\$55.00/hr
Senior Administrative Assistant	\$55.00/hr
<u>VEHICLES & EXPENSES</u>	
Mobilization (support vehicle)	\$0.70/mile
Drill Rig Mobilization	\$2.50/mile
Travel Costs - air, lodging, transport, meals, etc.	cost
Document/Plans Reproduction	cost

**EXHIBIT B - AMENDMENT NO. 4 TO AGREEMENT FOR
 DAKOTA DRIVE WATER MAIN RECONSTRUCTION
 PORTION OF WEST MAIN STREET RECONSTRUCTION**

**TASK SCHEDULE-ESTIMATED MAN-HOURS AND FEES
 WEST MAIN STREET CORRIDOR ANALYSIS
 43RD COURT TO JACKSON BOULEVARD
 Project No. W10-1894 / CIP No. 50399**

FMG, INC. - 11/17/15

TASK 1 - PRELIMINARY DESIGN SERVICES		
1.1	Kickoff Meeting	\$ 510.00
1.2	Collect and Review Background Information	\$ 1,420.00
1.3	Perform ROW Surveys	\$ 25,560.00
1.4A	Conceptual Design Report	\$ 43,095.00
1.4B	Conceptual Design Drawings	\$ 33,280.00
1.5	Attend Submittal Review/Coordination Meetings with City Staff	\$ 2,960.00
1.6	Reimbursables, Printing, Supplies, Mileage, Expendables for Prelim Design	\$ 350.00
	TOTAL FOR TASK 1 PRELIMINARY DESIGN	\$ 107,175.00