

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

Date: 1/19/15

Project Name & Number: Silver Street Interchange Utility Reconstruction Project. Project # 12-2053 **CIP #:** 50940

Project Description: Utility reconstruction work related to the SDDOT Silver / I-190 Interchange Reconstruction.

Consultant: FMG, Inc.

Original Contract Amount: \$142,784.00

Original Contract Date: 1-4-13

Original Completion Date:

Addendum No: 1

Amendment Description: Task 2 & 3 - Final Design and Bidding Services for Utility reconstruction work related to the SDDOT Silver / I-190 Interchange Reconstruction.

Current Contract Amount:	\$142,784.00	Current Completion Date:	
Change Requested:	\$71,265.00		
New Contract Amount:	\$214,049.00	New Completion Date:	

Funding Source This Request:

Amount	Fund Dept.	Line Item	Dept. Fund	Comments
\$35,632.50	604	4223	833	Sewer Replacement / Improvements
\$35,632.50	602-804	4223	933	Water Replacement / Improvements
\$71,265.00	Total			

Agreement Review & Approvals

[Signature] 1/19/15
Project Manager Date

[Signature] 1-19-15
Division Manager Date

[Signature] 1/19/15
Compliance Specialist Date

[Signature] 1-19-15
Department Director Date

City Attorney 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
1/22/15	<i>[Initials]</i>	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Appropriation		<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
Cash Flow		<input type="checkbox"/> Y <input checked="" type="checkbox"/> N

AMENDMENT NO. 1 TO AGREEMENT

Project: Silver Street Interchange Utility Reconstruction Project.
Project No. 12-2053 / CIP No. 50940

Background Data: Effective Date of Agreement: February 5, 2013
Owner: City of Rapid City
Engineer: FMG, Inc.

Nature of Amendment: Amendment for Final Design and Bidding Services.
See Exhibits A & B.

Current Contract Amount: \$142,784.00

Change Requested: \$71,265.00

New Contract Amount: \$214,049.00

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: 1/19/15

ATTEST:

By: _____
Finance Officer

Date Signed: _____

REVIEWED BY:



Todd Peckosh, Project Manager



**FMG ENGINEERING
AMENDMENT NO. 1 TO AGREEMENT FOR SCOPE OF SERVICES
FOR
TASK 2 – FINAL DESIGN SERVICES
AND TASK 3 – BIDDING PERIOD SERVICES
SILVER STREET INTERCHANGE UTILITY RECONSTRUCTION PROJECT
Project No. 12-2053 CIP No. 50940**

GENERAL

The City of Rapid City proposes to reconstruct various water distribution lines and sanitary sewers in conjunction with SDDOT reconstruction of the I-190 / Silver Street Interchange.

This project is to be let in conjunction with South Dakota Department of Transportation Project IM 1902(61)0, Interstate 190N and 190S, Pennington County, PCN 1162.

The project limits generally include the I-190 corridor between Rapid Creek and Custer Street. With an additional area bound by Fillmore St. to Van Buren St. and I-190 to Taylor Ave.

FMG, Inc. was selected through the City's Consultant selection process to provide engineering services for Tasks 1 through 5 for the referenced project. The original Agreement with FMG, Inc., was for Task 1 – Preliminary Design Services. The Task 1 Preliminary Design Report and Preliminary Drawings were submitted to the City of Rapid City on October 31, 2014.

The Scope of Work in this amendment is for Task 2 – Final Design Services, Task 3 – Bidding Period Services only. A separate contract(s) will be negotiated and prepared for Task 4 – Basic Construction Services and Task 5 – Expanded Construction Services.

A general description of the services to complete Tasks 2 and 3 are outlined below and on attached Exhibit B - Task Schedule. The list of tasks will not be necessarily limited to those shown. Tasks will be added or deleted as needed to complete the project.

TASK 2 – FINAL DESIGN SERVICES

A general description of the Final Design Services follows. Individual tasks to complete the work are shown in Exhibit B - Task Schedule.

Task 2.1 Meetings, Overall Coordination, Reports:

- 2.1.1 Address City comments from the Task 1 City review and finalize Preliminary Design Report.
- 2.1.2 Computer modeling for proposed pressure zone change for existing 12" water main on Philadelphia Street between Founders Park Drive and 11th Street.
- 2.1.3 Prepare and deliver executive summary of comments from Task 1 that affect SDDOT design.
- 2.1.4 Project Coordination and Private Utility meetings with SDDOT.
- 2.1.5 Coordination and Design Review Meetings with City + Prepare Minutes
- 2.1.6 Make updates to electronic drawings files for City project due to SDDOT design revisions.
- 2.1.7 Complete and submit Flood Management Checklist and Floodplain Permit for City project.
- 2.1.8 Applications for Special Exceptions to City Criteria.
- 2.1.9 Identify Contractor required permits for City project.
- 2.1.10 Quality Control Review, Oversight, Plan Checking
- 2.1.11 Construction Cost Estimate.
- 2.1.12 City/DOT Oversize Cost Analysis
- 2.1.13 Coordinate project sequencing with SDDOT

Task 2.2 Survey, Property, & Easements:

- 2.2.1 Topo survey of area adjacent to the west side of 11th Street for the bike path connection from Executive Golf Course to the new paths on North Street that are part of the SD DOT project.
- 2.2.2 Review and update property ownership.
- 2.2.3 Prepare temporary and permanent easement exhibits for City project. The City Attorney will prepare the easement documents.
- 2.2.4 Make contact, arrange & attend meetings with property owners for acquisition of easements.

Task 2.3 Final Review Drawings and Specifications:

The drawings will be prepared by Section for each of the main disciplines. The plans shall utilize the SDDOT design drawings as base maps. Drawings shall be 11" x 17" color. Specifications will be by Plan Notes except where supplemented by Special Provisions in the Bidders Proposal under Task 2.5.

The following Plan Sections are anticipated.

Plan Section A – Overall Summary Plan Sheets

Section A plans will the Overall Cover sheet and index sheet for the project. Section A also includes the overall project estimate of quantities and overall project general plan notes.

Plan Section B – Stormwater Improvement Plans

Section B plans are for the Stormwater Improvements. Stormwater improvements to be constructed as part of the City of Rapid City project are:

- Additional RCP Culvert Pipe near the intersection of Boegel Street and West Boulevard N.
- Additional RCP Culvert Pipe(s) under West Boulevard N. (Sta. 144+70-L I-190 Stationing) and RCP Culvert under Thrush Drive with some minor grading.
- While not a stormwater improvement, the 11th Street Bike Path Connection from Executive Golf Course to SD DOT reconstructed North Street will also be included in Plan Section B.

Plan Section C – Traffic Control Plans (Outside of SDDOT Limits)

Section C plans provide the Traffic Control Plans to be used during construction for those portions of the project outside of the SDDOT work limits or areas where timing impact of advance utility construction may occur before SDDOT traffic control is in place. These locations are anticipated to be minimal and could include storm sewer work on West Boulevard N. (Future Nickel Street) north of the project limits, water main construction along West Boulevard between Fillmore Street and Van Buren Street, and the bike path connection on 11th Street. Traffic control plans will include specific locations for the installation of devices and detour routes for vehicles, pedestrians, bikes, etc.

Plan Section D – Erosion Control Plans (Outside of SDDOT Limits)

Section D plans provide the Erosion Control Plans to be used during construction for those portions of the project outside of the SDDOT work limits or areas where timing impact of advance utility construction occur before SDDOT erosion control is in place. These locations are anticipated to be minimal and could include storm sewer work on West Boulevard N. (Future Nickel Street) north of the project limits, new RCP culvert at the intersection of Boegel Street and West Boulevard N., water main construction along West Boulevard between Fillmore Street and Van Buren Street, and the bike path connection on 11th Street. Erosion

EXHIBIT A

control plans will provide detailed locations identified by stations or dimensions. Separate bid items for all devices will be included in the plans.

Plan Section G – Water and Sewer Utility Plans

Section G plans provide the Water and Sewer Utility Plans for the project. Corrosion protection design will follow the City of Rapid City Corrosion Protection Specifications (aka Section 8A & 8B). Additional plan and profiles will be provided when utilities do not follow alignment established by SD DOT.

Plan Section X – Cross Sections

Section X plans provide grading cross sections for the bike path connection on 11th Street. Other features will be detailed by alignment and profile.

Task 2.4 Final Buildable Construction Drawings:

This task is to revise the drawings prepared under Task 2.4 to account for the City and SD DOT review comments.

Task 2.5 Bidders Proposal Special Provisions

Specifications will be included as plan notes in the various plan sections described under Task 2.3. The actual Bidders Proposal will be prepared by SDDOT. FMG will prepare Special Provisions for contract time, corrosion protection, a copy of the Geotechnical Investigation, and any other required Special Provision for SDDOT to include in the in the Bidders Proposal.

TASK 3 – BIDDING PERIOD SERVICES

A general description of the Bidding Period Services follows. Individual tasks to complete the work are shown in Exhibit B - Task Schedule.

- 3.1 Plans and Specification Interpretation/Answer Bidder Questions
- 3.2 Attend SDDOT Prebid Meeting. Includes preparation of PowerPoint presentation for Prebid Meeting.
- 3.3 Prepare and Issue Addenda
- 3.4 Prepare As-Built Drawing updates in the design CAD file and output on PDF sheets. Redlines to be provided by the City.

PROJECT SCHEDULE

The anticipated project schedule is as outlined below:

Notice to Proceed	February 9, 2015
Executive Summary of Design Comments for SD DOT	February 24, 2015
Final Design Review Submittal to City & SD DOT	March 13, 2015
Plans to SDDOT Bid Letting Office	April 9, 2015
Bid Letting	June 17, 2015

*Note: Schedule subject to change based on SD DOT schedules.

END OF SCOPE NARRATIVE

FMG, INC. - TASK SCHEDULE

EXHIBIT B

ESTIMATED COSTS FOR TASK 2 FINAL DESIGN & TASK 3 BIDDING PERIOD SERVICE
SILVER STREET INTERCHANGE UTILITIES

Project No. 12-2053 / CIP# 50940

1/19/2015

TASK 2 FINAL DESIGN SERVICES		
Task 2.1	Meetings, Overall Coordination, Reports	
2.1.1	Address City Comments from Task 1/Finalize Design Report	\$6,210.00
2.1.2	Computer Modeling for Pressure Zone change to Existing 12" Water Main	\$1,940.00
2.1.3	Prepare Executive Summary of Design Report for DOT	\$1,050.00
2.1.4	Project Coordination and Private Utility Meetings	\$525.00
2.1.5	Coordination and Design Review Meetings with City Staff	\$315.00
2.1.6	Update Electronic Files Based on Most Recent DOT Drawings	\$260.00
2.1.7	Complete and Submit Flood Management Checklist & Floodplain Permit	\$210.00
2.1.8	Applications for Special Exceptions to City Criteria	\$420.00
2.1.9	Identify Contractor Required Permits and Costs	\$105.00
2.1.10	Quality Control Reviews, Plan Checking, Oversight	\$1,980.00
2.1.11	Construction Cost Estimates	\$630.00
2.1.12	City/DOT Oversize Cost Analysis	\$210.00
2.1.13	Sequencing Coordination with SDDOT	\$630.00
	<i>Task 2.1 Manhour Subtotal</i>	\$14,485.00
Task 2.2	Survey	
2.2.1	Topo Survey for Bike Path Connection on 11th Street	\$1,380.00
2.2.2	Review and Update Property Ownership	\$260.00
2.2.3	Prepare Temporary and Permanent Easement Exhibits	\$1,135.00
2.2.4	Arrange and Attend Easement Meetings with Property Owners	\$840.00
	<i>Task 2.2 Manhour Subtotal</i>	\$3,615.00
Task 2.3	Final Review Drawings and Specifications	
	Section A - Overall Summary Plans	
	<i>Total For Section A Final Plans and Specifications</i>	\$1,035.00
	Section B - Stormwater Improvement Plans	
	<i>Total For Section B Final Plans and Specifications</i>	\$8,365.00
	Section C - Traffic Control Plans (Outside of DOT Limits)	
	<i>Total For Section C Final Plans and Specifications</i>	\$1,570.00
	Section D - Erosion Control Plans (Outside of DOT Limits)	
	<i>Total for Section D Final Plans and Specifications</i>	\$2,325.00
	Section G - Water and Sewer Utility Plans	
	<i>Total for Section G Final Plans and Specifications</i>	\$23,650.00
	Section X - Cross Sections	
	<i>Total for Section X Final Plans and Specifications</i>	\$1,005.00
	<i>Task 2.3 Manhour Subtotal</i>	\$37,950.00

Task 2.4	Final Buildable Construction Drawings	
2.4.1	Update Drawings Files for SDDOT Design Changes	\$1,670.00
2.4.2	Final Changes to City Design and Plotting of All Sheets	\$4,340.00
	<i>Task 2.4 Manhour Subtotal</i>	\$6,010.00

Task 2.5	Project Manual	
2.5.1	Project Manual Special Provisions/Spec Book Items	\$1,700.00
	<i>Task 2.5 Manhour Subtotal</i>	\$1,700.00

OVERALL TASK 2.1 - 2.5 FINAL DESIGN COSTS		
	TOTAL FMG MANHOUR COSTS TASKS 2.1 - 2.5	\$63,760.00
	EXPENDIBLES AND MILEAGE	\$ 1,000.00
	TOTAL TASK 2 FINAL DESIGN COST	\$64,760.00

TASK 3 BIDDING PERIOD SERVICES		
3.1	Plans and Specification Intrepretation	\$1,745.00
3.2	Attend Prebid Meeting at SDDOT/Provide Power Point of City Project	\$630.00
3.3	Prepare and Issue Addenda	\$2,155.00
3.4	Prepare As-Built Drawings	\$1,875.00
	<i>Task 3 Manhour Subtotal</i>	\$6,405.00

OVERALL TASK 3 BIDDING PERIOD COSTS		
	TOTAL FMG MANHOUR COSTS	\$6,405.00
	EXPENDIBLES AND MILEAGE	\$100.00
	TOTAL TASK 3 BIDDING PERIOD SERVICES COST	\$6,505.00

OVERALL FEE SUMMARY		
	TASK 2 Final Design Services	\$ 64,760.00
	Task 3 Bidding Period Services	\$6,505.00
	TOTAL FEE FOR TASKS 2 AND 3	\$ 71,265.00