

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

Date: August 16, 2011

Project Name & Number: Jackson Boulevard Utilities Chapel Lane to Rapid Creek Bridge **CIP #:** 50177
Project No. SSW10-1837

Project Description: Professional Engineering Services for the final design of the Phase 2 Jackson Blvd Utilities.

Consultant: FMG, Inc.

Original Contract Amount: \$224,211.00	Original Contract Date: August 16, 2011	Original Completion Date: August 1, 2012
---	--	---

Addendum No: 2


Amendment Description: This amendment is for final design and bidding services of the City utilities associated with the SDDOT Jackson Boulevard Reconstruction project between Chapel Lane and Rapid Creek.


Current Contract Amount: \$280,606.00	Current Completion Date: January 31, 2013
Change Requested: \$237,817.00	
New Contract Amount: \$518,423.00	New Completion Date: May 1, 2014

Funding Source This Request:


Amount	Dept.	Line Item	Fund	Comments
\$65,000.00	8911	4223	505	
\$87,817.00	833	4223	604	
\$80,000.00	933	4223	602	
\$5,000.00	8910	4223	505	
\$237,817.00	Total			


Agreement Review & Approvals

 2/15/13
Project Manager Date

 2/18/13
Compliance Specialist Date

City Attorney Date

 2-19-13
Division Manager Date

 2-19-13
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
<u>2/18/13</u>		<input checked="" type="checkbox"/> N
Appropriation		<input type="checkbox"/> N
Cash Flow		<input type="checkbox"/> N

AMENDMENT NO. 2 TO AGREEMENT

Project: Jackson Boulevard Utilities Chapel Lane to Rapid Creek Bridge.

Background Data: Project No. SSW10-1837, CIP No. 50177
Effective Date of Agreement: August 16,2011
Owner: City of Rapid City
Engineer: FMG, Inc.

Nature of Amendment: This amendment is for final design and bidding services of the City utilities associated with the SDDOT Jackson Boulevard Reconstruction project between Chapel Lane and Rapid Creek.

Current Contract Amount: \$280,606.00

Change Requested: \$237,817.00

New Contract Amount: \$518,423.00

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:



Michelle Schweitzer, Project Manager



EXHIBIT A

FMG ENGINEERING
AMENDMENT NO. 2 TO AGREEMENT FOR SCOPE OF SERVICES
FOR
TASK 2 – FINAL DESIGN SERVICES
AND TASK 3 – BIDDING PERIOD SERVICES
JACKSON BOULEVARD UTILITIES
CHAPEL LANE TO RAPID CREEK BRIDGE
Project No. SSW10-1837 CIP No. 50177

GENERAL

The City of Rapid City proposes to reconstruct various water transmission lines, water distribution lines, sanitary sewers, and other miscellaneous City responsibility drainage improvements in conjunction with the SDDOT reconstruction of Jackson Boulevard.

This project is to be let in conjunction with South Dakota Department of Transportation Project P 0044(149)40, SD Highway 44, Jackson Boulevard from Chapel Lane Road to West of Argyle Street in Rapid City, SD. The SDDOT Statewide Transportation Improvement Program (STIP) currently indicates the project will be constructed in Fiscal Year 2014.

The project limits include Jackson Boulevard beginning on the west side of Chapel Lane and ending at the Rapid Creek Bridge, tie-ins to the adjacent streets and existing utilities, new water mains, and adjacent areas needed for storm sewer collection improvements and facilities including stormwater quality.

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 August 6, 2012.

Amendment #1 to the Agreement was Task 2 Final Design and Task 3 Bidding Period Services for a 20" Water Transmission Main as an advance breakout project to be constructed in 2013 prior to the SDDOT project constructions.

Services included under this Amendment #2 are for Task 2 – Final Design Services and Task 3 – Bidding Period Services for the remainder of the project. Notable additions to the Engineering Services as requested by the City of Rapid City are.

- Add design for relocation of the Bike Path Crossing on Park Drive.

EXHIBIT A

- Add design for Cottonwood Street Box Culvert system. Preliminary Design to extend from outlet in Rapid Creek floodway to the upstream end at the intersection of Evergreen Drive and West St. Patrick Street. Final Design shall be from outlet to the intersection of Cottonwood Street and First Avenue. The Final Design segment is intended to be constructed as part of this Jackson Boulevard Utilities Project.
- SDDOT will obtain easements and ROW for City portion of project. FMG to attend the meetings SDDOT has with property owners affected by City project.

A general description of the services to complete Tasks 2 and 3 are outlined below and on attached Exhibit C - 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 Preliminary Design Services follows. Individual tasks to complete the work are shown in Exhibit C - Task Schedule.

Task 2.1 Meetings, Overall Coordination, Reports:

- 2.1.1 Project Coordination and meetings with SDDOT.
- 2.1.2 Private Utility Coordination and meetings.
- 2.1.3 Coordination and Design Review Meetings with City + Prepare Minutes
- 2.1.4 Make multiple updates to drawings files for City project due to SDDOT design revisions.
- 2.1.5 Prepare and submit interim Technical Memorandums as necessary.
- 2.1.6 Complete and submit Flood Management Checklist and Floodplain Permit for City project.
- 2.1.7 Applications for Special Exceptions to City Criteria.
- 2.1.8 Submit City project to SDDENR and address comments.
- 2.1.9 Identify Contractor required permits for City project.
- 2.1.10 Update Stormwater Pond Design Analysis due to changed SDDOT design and in response to City comments.
- 2.1.11 Prepare Final Design Report.
- 2.1.12 Accompany SDDOT to individual ROW and Easements Meetings for City project.
- 2.1.13 Quality Control Review, Oversight, Plan Checking
- 2.1.14 Construction Cost Estimate.
- 2.1.15 City/DOT Oversize Cost Analysis
- 2.1.16 Coordinate project sequencing with SDDOT

EXHIBIT A

2.1.17 Street Shift Location Recommendations for 1st through 7th Avenues.

2.1.18 Attend 2 SDDOT Public Hearings and Present City Project on PowerPoint.

Task 2.2 Survey:

2.2.1 Stake Limits of Proposed City easements for meetings with property owners.

2.2.2 Boundary and Topographic Survey for the Cottonwood Street box culvert.

2.2.3 Topographic Survey for relocation of Park Drive bike trail crossing.

2.2.4 Topo Surveys on 1st through 7th Avenue for Sanitary Sewer Extension. Surveys will extend beyond the SDDOT survey by about 75' on each street as needed for installation of sanitary sewers on each street.

2.2.5 Prepare easement exhibits for City project.

2.2.6 Review and update property ownership.

Task 2.3 Preliminary Design of Cottonwood Street Box Culvert:

Preliminary design is normally included as a Task 1 item. However, original Task 1 services included only a Conceptual Profile Design of the Box Culvert based on limited surveys to determine extent and feasibility of utility relocations that would be required. The preliminary design has now been added as a Task 2 item. The preliminary design will extend from the outlet in the Rapid Creek floodway to the upstream end which is at the intersection of Evergreen and West St. Patrick Street. The preliminary design will include the following subtasks.

2.3.1 Horizontal Locations Coordination – Box Culvert, Pubic Utilities, and Private Utilities.

2.3.2 Box Culvert Hydraulic Design Analysis

2.3.3 Water and Sewer Main Reconstruction Drawings

2.3.4 Drawings for new Box Culvert.

2.3.5 Street Reconstruction Drawings.

2.3.6 Preliminary Design Details.

2.3.7 Preliminary Design Report and Cost Estimate

Task 2.4 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 supplemented by those areas surveyed by FMG as part of this agreement. 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 2.7.

EXHIBIT A

The following Plan Sections are anticipated.

Plan Section A – Overall Summary Plan Sheets

Section A plans will be 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:

- Stormwater Quality/Detention Pond, Channel and Pipe on Meadowbrook Golf Course.
- Stormwater Quality Low Flow Swale at Canyon Lake Park.
- Cottonwood Street Box Culvert Outlet Channel.
- Cottonwood Street Box Culvert, Outlet to intersection of 1st Avenue & Cottonwood Street.
- While not a stormwater improvement, the Park Drive Bike Path Relocation will also be included in Plan Section B. It is noted the Bike Path relocation does not include path relocation in Canyon Lake Park to the extent that bridges over the canal system would be required.

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. Traffic Control plans will be needed for the Park Drive Bike Path Relocation, the area affected by the Cottonwood Street Box Culvert and Outlet Channel, and various utility construction areas. 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. Erosion Control plans will be needed for the Park Drive Bike Path Relocation, the area affected by the Cottonwood Street Box Culvert and Outlet Channel, various utility construction areas, and stormwater improvements in Meadowbrook Golf Course and Canyon Lake Park. Erosion 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 entire length of the project excepting the previously described Amendment #1 Breakout Project that will be constructed as

EXHIBIT A

an advance project. Water and sewer utility improvements are needed full length of the SDDOT project plus along the Cottonwood Street Box Culvert and near the Cottonwood Street Box Culvert Outlet Channel. Corrosion protection design will follow the City of Rapid City Draft Corrosion Protection Specifications as edited by FMG for this project. Side street plan and profiles will be provided when utilities are extended.

Sewer reconstruction on 1st Avenue through 7th Avenue will extend to a location beyond the SDDOT side street reconstruction limits. The sewer reconstruction length will be such that manhole spacing for future sewer extensions to Cottonwood Street will not require an intermediate manhole. The sewer design in these locations includes the plan and profile for the sewer reconstruction only and includes pavement patching for the sewer trench. Design for street and water main reconstruction at these areas is not included.

Plan Section S – Permanent Signing and Striping

Section S plans provide the Permanent Signing and Striping plans for those portions of the City project that require these items. Permanent signs are needed for the Park Drive Bike Path Relocation, at the Cottonwood Street Box Culvert and Outlet Channel area, and as necessary to replace signs removed solely by the water and sewer utility reconstruction. New permanent striping is needed for the Park Drive Bike Path Relocation and pavement repair areas in parking lots due to the water and sewer reconstruction.

Plan Section X – Cross Sections

Section X plans provide grading cross sections for various features. Cross sections will be provided for the Stormwater Improvements on Meadowbrook Golf Course, the Stormwater Swale in Canyon Lake Park, and Cottonwood Street Box Culvert, and the Cottonwood Street Box Culvert Outlet Channel. Cross sections will show new and existing underground facilities where possible.

Task 2.5 Final Buildable Construction Drawings:

This task is to revise the drawings prepared under Task 2.4 to account for the City review comments. This task also includes revisions to the City drawings as a result of SDDOT changes made after submittal of the Final Review Drawings.

Task 2.6 Final Buildable Plan Updates After SDDOT Acquires ROW:

SDDOT will acquire right of way after the Final Buildable Construction Drawings have been prepared. Task 2.6 is for revisions to the plans as a result of changes required by the SDDOT right of way negotiations.

EXHIBIT ATask 2.7 Bidders Proposal Special Provisions

Specifications will be included as plan notes in the various plan sections described under Task 2.4. The actual Bidders Proposal will be prepared by SDDOT. FMG will prepare Special Provisions for corrosion control, the Geotechnical Investigation, and any other required Special Provision for SDDOT to include in the in the Bidders Proposal.

Task 2.8 Geotechnical Evaluation:

A Geotechnical Evaluation was prepared as part of Task 1. Additional Geotechnical Evaluation under this Task 2.8 is needed for the Cottonwood Street Box Culvert. The additional Geotechnical Evaluation will be prepared as follows.

- A. To evaluate the existing soil and groundwater conditions to sufficient depths and develop recommendations for the Box Culvert, a total of 6 borings are planned along the Cottonwood Street Box Culvert alignment. The boreholes will be drilled to depths of approximately 15 feet below existing grades. Field testing will be performed and samples will be extracted for further laboratory analysis. Select soil samples will be tested in our laboratory to determine their general classification, physical properties, and engineering characteristics with respect to utility design and installation.
- B. In addition to the drilling of boreholes, in-situ soil electrical resistivity surveys will be performed along the proposed alignment in support of corrosion protection designs. The resistivity surveys will be performed in accordance with the City's Draft Corrosion Control Design Manual 2008, using the ASTM G57 Wenner four pin method.
- C. Upon completion of the field and laboratory testing and our analysis, a report will be prepared that transmits the geologic logs and testing results, and provides our recommendations. In general our recommendations will include excavation and fill placement recommendations, utility installation recommendations, and general construction recommendations that we consider applicable to the site conditions encountered.

Task 2.9 Landscape Architecture:

Task 2.9 is for Landscape Architecture related to the Task 2.4 Stormwater Improvements and Park Drive Bike Path relocation. Landscape Architecture Tasks are for:

- 2.9.1: Canyon Lake Drainage area restoration
 - a: Seeding design and associated specifications
 - b: Address 35% City review comments
- 2.9.2: Meadowbrook Golf Course Detention Cell and Channel area
 - a: Berm layout and aesthetics – Detention Cell and Channel area

EXHIBIT A

- b: Golf course layout coordination – Detention Cells
- c: Parks and Recreation Department coordination (2 Meetings)
- d: Coordination with City contracted golf course architect (1 Meeting)
- e: Landscape design, irrigation design, and associated specifications
- f: Address 35% City review comments

2.9.3: Cottonwood Park

- a: Drainage layout and grading review
- b: Trail layout construction details
- c: Trail layout and connection to Park Drive and Jackson Blvd.
- d: Educational kiosk and plaza area
- e: Landscape design, irrigation design, and associated specifications
- f: Address 35% City review comments

TASK 3 – BIDDING PERIOD SERVICES

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

EXHIBIT A**PROJECT SCHEDULE**

The anticipated project schedule is as outlined below:

Notice to Proceed	March 11, 2013
Final Design Review Submittal to City	October 1, 2013
City Review Comments to FMG	October 15, 2013
Final Buildable Plans Released to SDDOT Offices for Final Review	November 7, 2013
Plans to SDDOT Bid Letting Office	January 2014
Bid Letting	March 2014

END OF SCOPE NARRATIVE

EXHIBIT B

**RATE SCHEDULE
FOR AMENDMENT NO. 2
JACKSON BOULEVARD UTILITIES
Chapel Lane to Rapid Creek
Project No. SSW10-1837 CIP No. 50177**

The rates established in the original contract remained valid for Amendment No. 1 and will also remain valid for Amendment #2. Additional rates are established herein for personnel not included on that original contract rate schedule.

FMG ENGINEERING – PRIME CONSULTANT

Professional Engineer I	\$75.00/hr
Professional Engineer II	\$80.00/hr

FMG, INC. - TASK SCHEDULE **EXHIBIT C**
ESTIMATED COSTS FOR TASK 2 FINAL DESIGN & TASK 3 BIDDING PERIOD SERVICES
JACKSON BOULVARD UTILITIES CHAPEL LANE TO RAPID CREEK BRIDGE
Project No. #SSW10-1837 / CIP# 50177

TASK 2 FINAL DESIGN SERVICES		
Task 2.1	Meetings, Overall Coordination, Reports	
2.1.1	Project Coordination and Meetings with SDDOT	\$7,440.00
2.1.2	Private Utility Coordination and Meetings	\$1,890.00
2.1.3	Coordination and Design Review Meetings with City + Prepare Minutes	\$3,820.00
2.1.4	Multiple Update of Drawing Files for City project for DOT Design Revisions	\$3,240.00
2.1.5	Interim Technical Memorandums/Submittals	\$3,360.00
2.1.6	Complete and Submit Flood Management Checklist & Floodplain Permit	\$210.00
2.1.7	Applications for Special Exceptions to City Criteria	\$315.00
2.1.8	Submittals to DENR - Address Comments	\$210.00
2.1.9	Identify Contractor Required Permits and Costs	\$210.00
2.1.10	Update Stormwater Pond Design Analysis/Report for Final Design	\$1,690.00
2.1.11	Overall Final Design Report	\$4,600.00
2.1.12	Accompany SDDOT to individual ROW and Easement Meetings	\$4,200.00
2.1.13	Quality Control Reviews, Plan Checking, Oversight	\$3,860.00
2.1.14	Construction Cost Estimates	\$2,230.00
2.1.15	City/DOT Oversize Cost Analysis	\$1,940.00
2.1.16	Sequencing Coordination with SDDOT	\$2,310.00
2.1.17	Street Shift Location Recommendations for 1st through 7th Avenues	\$1,440.00
2.1.18	Attend 2 SDDOT Public Hearings/Present City Project	\$1,045.00
	<i>Task 2.1 Manhour Subtotal</i>	\$44,010.00
Task 2.2	Survey	
2.2.1	Stake City Easements Limits for ROW and Easement Meetings	\$2,240.00
2.2.2	Boundary and Topo Survey for Cottonwood Street Box Culvert	\$10,060.00
2.2.3	Topo Survey for Relocation of Park Drive Bike Trail Crossing	\$1,985.00
2.2.4	Topo Surveys on 1st Ave through 7th Ave for Sanitary Sewer Ext.	\$4,690.00
2.2.5	Easement Exhibits for City Items	\$4,420.00
2.2.6	Ownership Updates	\$260.00
	<i>Task 2.2 Manhour Subtotal</i>	\$23,655.00
Task 2.3	Preliminary Design of Cottonwood Street Box Culvert	
2.3.1	Horizontal Location Coordination - Box, Public and Private Utilities	\$2,520.00
2.3.2	Box Culvert and Outlet Structure Design Analysis	\$3,040.00
2.3.3	Water and Sewer Main Relocation Plan and Profile	\$3,240.00
2.3.4	Box Culvert Plan and Profile	\$2,040.00
2.3.5	Box Culvert Outlet Structure	\$1,780.00
2.3.6	Street Reconstruction Plan and Profile	\$2,820.00
2.3.7	Details	\$1,620.00
2.3.8	Cross Sections	\$2,820.00
2.3.9	Subsection Design Report and Cost Estimates	\$3,190.00
	<i>Task 2.3 Manhour Subtotal</i>	\$23,070.00
Tast 2.4	Final Review Drawings and Specifications	
	Section A - Overall Summary Plans	
2.4.A1	Cover Sheet with Index Information	\$65.00
2.4.A2	Estimate of Quantities and General Note Sheets	\$970.00
	<i>Total For Section A Final Plans and Specifications</i>	\$1,035.00

FMG, INC. - TASK SCHEDULE **EXHIBIT C**
ESTIMATED COSTS FOR TASK 2 FINAL DESIGN & TASK 3 BIDDING PERIOD SERVICES
JACKSON BOULEVARD UTILITIES CHAPEL LANE TO RAPID CREEK BRIDGE
Project No. #SSW10-1837 / CIP# 50177

	Section B - Stormwater Improvement Plans	
2.4.B1	Cover and Legend Sheets	\$65.00
2.4.B2	Estimate of Quantities and General Note Sheets	\$2,360.00
2.4.B3	Survey Control and Alignment Sheets	\$260.00
2.4.B4	Map Index of Sheets	\$235.00
2.4.B5	Sequencing Map and Notes Sheet	\$470.00
2.4.B6	Storm Water Pond, Channel, & Pipe on Golf Course - Plan & Grading Sheets	\$2,275.00
2.4.B7	Storm Water Pond, Channel, and Pipe on Golf Course - Profile Sheets	\$1,190.00
2.4.B8	Special Details for Stormwater Pond, Channel, and Pipe of Golf Course	\$2,430.00
2.4.B9	Stormwater Quality Low Flow Swale at Canyon Lake Park - Plan & Profile Sheet	\$1,045.00
2.4.B10	Special Details for Stormwater Low Flow Swale at Canyon Lake Park	\$680.00
2.4.B11	Cottonwood Box Culvert Outlet Channel - Demolition Sheet	\$510.00
2.4.B11	Cottonwood Box Culvert Outlet Channel - Plan Sheets	\$2,330.00
2.4.B12	Cottonwood Box Culvert Outlet Channel - Profile Sheets	\$1,020.00
2.4.B13	Cottonwood Box Culvert Outlet Channel - Grading Plan Sheets	\$2,460.00
2.4.B14	Cottonwood Box Culvert Outlet Channel - Bike Trail Box Culvert Details	\$2,300.00
2.4.B15	Cottonwood Box Culvert Outlet Channel - Special Details	\$1,620.00
2.4.B16	Cottonwood Box Culvert - Outlet to 1st Ave - Demolition Sheets	\$680.00
2.4.B17	Cottonwood Box Culvert - Outlet to 1st Ave - Plan Sheets	\$1,360.00
2.4.B18	Cottonwood Box Culvert - Outlet to 1st Ave - Surfacing Sheets	\$2,040.00
2.4.B19	Cottonwood Box Culvert - Outlet to 1st Ave - Profile Sheets	\$1,230.00
2.4.B20	Cottonwood Box Culvert - Outlet Structure	\$3,560.00
2.4.B21	Cottonwood Box Culvert - Property Sheets	\$730.00
2.4.B22	Park Drive Trail Crossing Relocation - Demolition Sheet	\$470.00
2.4.B23	Park Drive Trail Crossing Relocation - Plan Sheets	\$1,150.00
2.4.B24	Standard Details	\$300.00
	<i>Total For Section B Final Plans and Specifications</i>	<i>\$32,770.00</i>
	Section C - Traffic Control Plans (Outside of DOT Limits)	
2.4.C1	Cover and Legend Sheets	\$65.00
2.4.C2	Estimate of Quantities and General Note Sheets	\$275.00
2.4.C3	Parking Lot Areas for Utility Work	\$940.00
2.4.C4	Park Drive Trail Relocation Traffic Control Sheet	\$1,620.00
2.4.C5	Cottonwood Street Box Culvert and Outlet Channel Traffic Control Sheets	\$1,360.00
	<i>Total For Section C Final Plans and Specifications</i>	<i>\$4,260.00</i>
	Section D - Erosion Control Plans (Outside of DOT Limits)	
2.4.D1	Cover and Legend Sheets	\$65.00
2.4.D2	Estimate of Quantities and General Note Sheets	\$275.00
2.4.D3	Erosion and Sediment Control Plans	\$2,035.00
2.4.D4	Details	\$470.00
	<i>Total for Section D Final Plans and Specifications</i>	<i>\$2,845.00</i>
	Section G - Water and Sewer Utility Plans	
2.4.G1	Cover and Legend Sheets	\$130.00
2.4.G2	Estimate of Quantities and General Note Sheets	\$3,040.00
2.4.G3	Survey Control and Alignment Sheets	\$260.00
2.4.G4	Sequencing Map and Notes Sheet	\$1,230.00
2.4.G5	Property Sheets	\$1,720.00
2.4.G6	Water and Sewer Demolition Sheets	\$5,640.00
2.4.G7	Water and Sewer Plan Sheets	\$16,350.00
2.4.G8	Water and Sewer Profile Sheets	\$12,950.00
2.4.G9	Corrosion Protection Details	\$470.00

FMG, INC. - TASK SCHEDULE **EXHIBIT C**
ESTIMATED COSTS FOR TASK 2 FINAL DESIGN & TASK 3 BIDDING PERIOD SERVICES
JACKSON BOULEVARD UTILITIES CHAPEL LANE TO RAPID CREEK BRIDGE
Project No. #SSW10-1837 / CIP# 50177

2.4.G10	Special and Standard Details	\$1,230.00
	<i>Total for Section G Final Plans and Specifications</i>	\$43,020.00
	Section S - Permanent Signing and Striping (Outside of DOT Limits)	
2.4.S1	Cover and Legend Sheets	\$65.00
2.4.S2	Estimate of Quantities and General Note Sheets	\$445.00
2.4.S3	Table of Permanent Signs	\$275.00
2.4.S4	Park Drive Bike Trail Crossing Sign and Marking Plan	\$550.00
2.4.S5	Cottonwood Box Culvert, Outlet Channel and Trail Sign Plan	\$510.00
2.4.S6	Striping Plans for Water and Sewer Reconstruction (Outside of DOT Limits)	\$730.00
2.4.S6	Detail Sheets	\$365.00
	<i>Total for Section S Final Plans and Specifications</i>	\$2,940.00
	Section X - Cross Sections	
2.4.X1	Cover and Legend Sheets	\$65.00
2.4.X2	Stormwater Pond & Channel on Golf Course - Cross Sections	\$1,880.00
2.4.X3	Cottonwood Box Culvert Outlet Channel - Cross Sections	\$2,140.00
2.4.X4	Cottonwood Box Culvert - Outlet to 1st Ave - Cross Sections	\$2,300.00
	<i>Total for Section X Final Plans and Specifications</i>	\$6,385.00
	Task 2.4 Manhour Subtotal	\$93,255.00
Task 2.5	Final Buildable Construction Drawings	
2.5.1	Update Drawings Files for SDDOT Design Changes	\$1,735.00
2.5.2	Final Changes to City Design and Plotting of All Sheets	\$4,405.00
	Task 2.5 Manhour Subtotal	\$6,140.00
Task 2.6	Final Buildable Plan Updates After DOT Acquires ROW	
2.6.1	Update Drawings after DOT provides changes related to ROW	\$1,490.00
2.6.2	Final Changes to City Portion for ROW and Plotting of All Sheets	\$2,660.00
	Task 2.6 Manhour Subtotal	\$4,150.00
Task 2.7	Project Manual	
2.7.1	Project Manual Special Provisions/Spec Book Items	\$1,700.00
	Task 2.7 Manhour Subtotal	\$1,700.00
	OVERALL TASK 2.1 - 2.7 FINAL DESIGN COSTS	
	<i>FINAL DESIGN SERVICES MANHOUR SUMMARY</i>	
	<i>HOURLY RATE</i>	
	<i>MANHOUR COSTS SUBTOTAL</i>	
	TOTAL FMG MANHOUR COSTS TASKS 2.1 - 2.7	\$195,980.00
Task 2.8	FMG GEOTECHNICAL - COTTONWOOD BOX CULVERT	\$ 3,500.00
Task 2.9	WYSS ASSOCIATES - LANDSCAPE ARCHITECTURE	\$ 30,219.00
	EXPENDIBLES AND MILEAGE	\$ 1,000.00
	TOTAL TASK 2 FINAL DESIGN COST	\$ 230,699.00

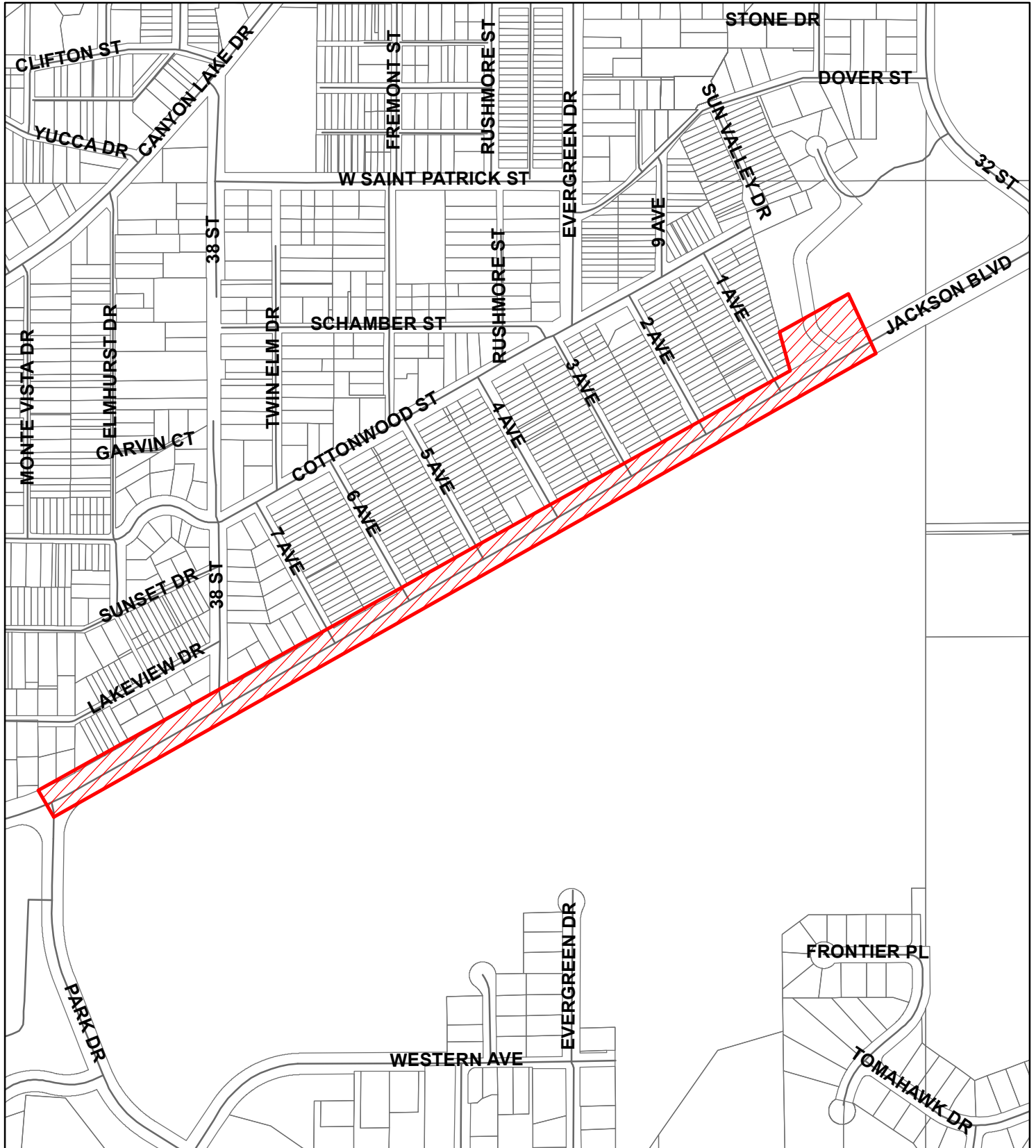
FMG, INC. - TASK SCHEDULE **EXHIBIT C**
ESTIMATED COSTS FOR TASK 2 FINAL DESIGN & TASK 3 BIDDING PERIOD SERVICES
JACKSON BOULEVARD UTILITIES CHAPEL LANE TO RAPID CREEK BRIDGE
Project No. #SSW10-1837 / CIP# 50177

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
<i>Task 3 Manhour Subtotal</i>		\$4,530.00

OVERALL TASK 3 BIDDING PERIOD COSTS		
<i>BIDDING PERIOD SERVICES MANHOUR SUMMARY</i>		
<i>HOURLY RATE</i>		
	TOTAL FMG MANHOUR COSTS	\$4,530.00
	WYSS ASSOCIATES - LANDSCAPE ARCHITECTURE	\$2,488.00
	EXPENDIBLES AND MILEAGE	\$100.00
	TOTAL TASK 3 BIDDING PERIOD SERVICES COST	\$7,118.00

OVERALL FEE SUMMARY		
	TASK 2 Final Design Services	\$ 230,699.00
	Task 3 Bidding Period Services	\$7,118.00
	TOTAL FEE FOR TASKS 2 AND 3	\$ 237,817.00

EXHIBIT A



**JACKSON BLVD UTILITIES
CHAPEL LN TO RAPID CREEK BRIDGE
20" WATER MAIN BREAKOUT PROJECT
PROJECT NO SSW10-1837 CIP NO 50177**

