

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

Date: March 23, 2016

**Project Name & Number:** South Trailview Drive Utility Reconstruction  
Project No. 11-2001

**CIP #:** 50824

**Project Description:** To provide professional engineering services for the preliminary design of utilities in South Trailview Drive

**Consultant:** Ferber Engineering Company, Inc.

**Original Contract Amount:** \$41,440.00

**Original Contract Date:** March 19, 2013

**Original Completion Date:** 12/31/2014

**Addendum No: 1**

**Amendment Description:** Addition of design and bidding services for water and sewer reconstruction and expansion in Trailview Drive, Sturgis Road and W. Rapid Street. The project name will be changed to Sturgis Road Area Utilities Reconstruction and Extension Project 2011 / CIP 50824.

<b>Current Contract Amount:</b>	\$41,440.00	<b>Current Completion Date:</b>	December 31, 2014
<b>Change Requested:</b>	\$195,820.00		
<b>New Contract Amount:</b>	\$237,260.00	<b>New Completion Date:</b>	March 1, 2017

**Funding Source This Request:**

\$127,283.00	933	4223	602	
\$50,913.00	833	4223	604	
\$17,624.00	8911	4223	505	
\$195,820.00	<b>Total</b>			

### Agreement Review & Approvals

*Keith Johnson*      3/23/16  
 Project Manager      Date

*Cassidy*      3/23/16  
 Compliance Specialist      Date

*Nadine*      3/29/16  
 City Attorney      Date

*Dee Ann*      3-23-16  
 Division Manager      Date

*Dee Ann*      3-23-16  
 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	3/24/16	<i>DA</i>	(Y) N	
Cash Flow			Y N	

# CITY of RAPID CITY

## *Agenda Item Summary*

<b>Public Works Committee Meeting Date:</b> 4/12/16	<b>City Council Meeting Date:</b> 4/18/16
<b>Staff Contact:</b> Keith Johnson	<b>Petitioner:</b> City of Rapid City
<b>Location:</b> Sturgis Road Area	

**Agenda Title:**

Amendment 1 to Ferber Engineering Company for South Trailview Drive Utility Reconstruction Project 11-2001 / CIP 50824 in the amount of \$195,820.00.

**Summary:**

Addition of design and bidding services for water and sewer reconstruction and expansion in Trailview Drive, Sturgis Road and W. Rapid Street. The project name will be changed to Sturgis Road Area Utilities Reconstruction and Extension Project 2011 / CIP 50824.

**Funding Source & Fiscal Impact (if applicable):**

Fund	Cost Center	Fund	Cost Center
Water	Replacement		
Sewer	Replacement		
CIP	Drainage		

Budgeted       Not Budgeted

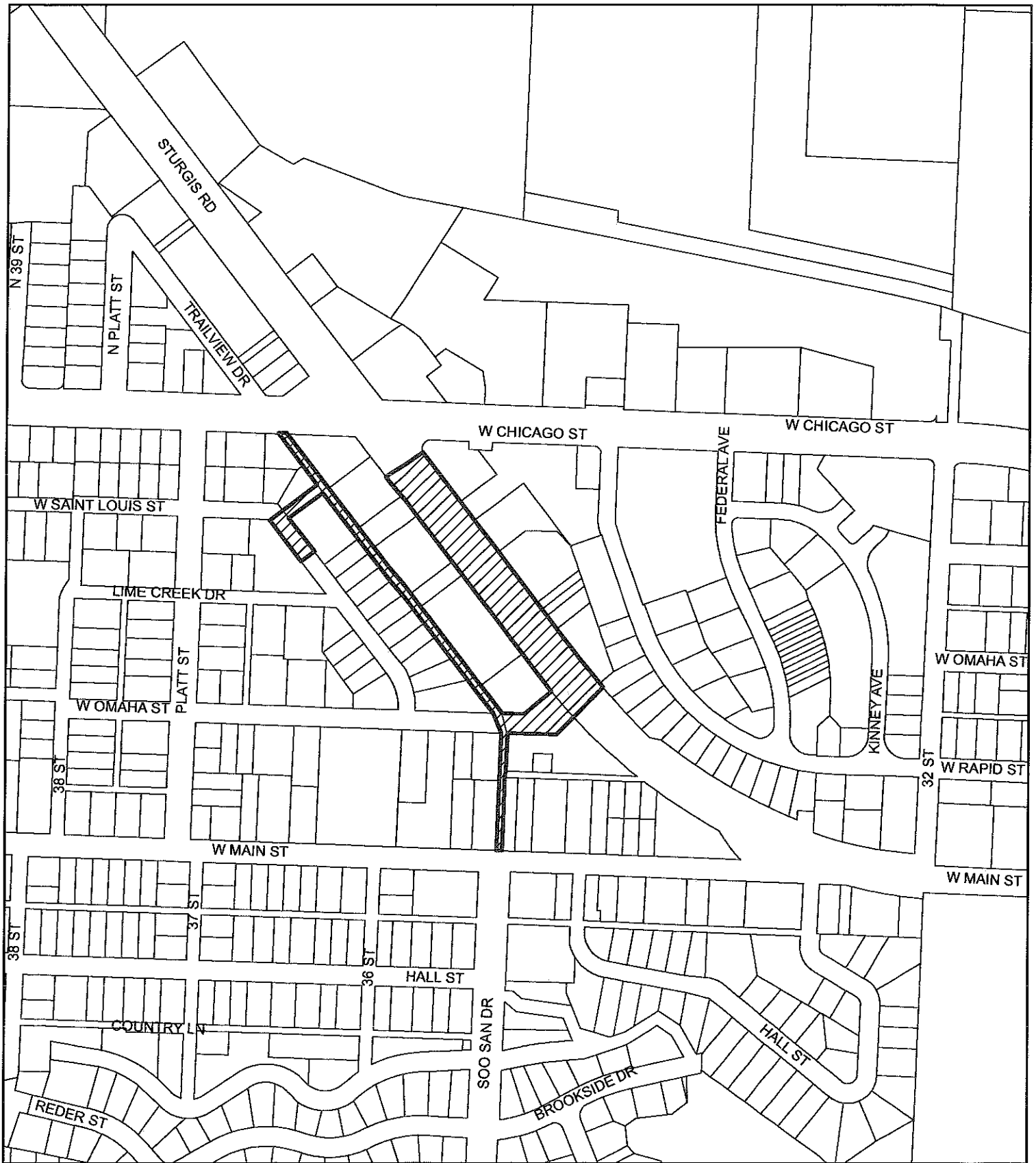
**Recommendation:**

Action: Approve  
Notes:

**City Council Options:**

**Attachments & Links:**


EXHIBIT "A"



**STURGIS ROAD AREA  
UTILITIES AND EXTENSION PROJECT  
PROJECT NO. 11-2001      CIP NO. 50824**



**AMENDMENT NO. 1 TO AGREEMENT**

**Project:** South Trailview Drive Utility Reconstruction Project  
Project No. 11-2001 / CIP 50824

**Background Data:** Effective Date of Agreement: March 19, 2013  
Owner: City of Rapid City  
Engineer: Ferber Engineering Company, Inc.

**Nature of Amendment:** Addition of design and bidding services for water and sewer reconstruction and expansion in Trailview Drive, Sturgis Road and W. Rapid Street. The project will be renamed to Sturgis Road Area Utilities Reconstruction and Extension Project 2011 / CIP 50824.

**Current Contract Amount:** \$ 41,440.00

**Change Requested:** \$195,820.00

**New Contract Amount:** \$237,260.00

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: \_\_\_\_\_  
Ferber Engineering Company Inc.

Date Signed: \_\_\_\_\_

Date Signed: \_\_\_\_\_

ATTEST:

By: \_\_\_\_\_  
Finance Officer

Date Signed: \_\_\_\_\_

REVIEWED BY:

*Keith Johnson*  
\_\_\_\_\_  
Keith Johnson, Project Administrator



**WEST CHICAGO STREET UTILITY RECONSTRUCTION PROJECT  
PROJECT NO. 12-2022 / CIP 50448  
SOUTH TRAILVIEW DRIVE UTILITY RECONSTRUCTION PROJECT  
PROJECT NO. 11-2001/ CIP 50824**

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**AMENDMENT 1**

**EXHIBIT A**

The City has determined the need to AMEND the original professional services contract to include Preliminary Design Services, Final Design Services, Bidding Services, Basic Construction Services, and Expanded Construction Services for additional projects within the South Trailview Drive and Sturgis Road area. Projects 1 through 3 were completed under the original contract; Project 1 - the West Chicago Street Utilities Breakout Project – St. Onge Street to Deadwood Avenue was constructed in 2014; Project 2 - the West Chicago Street Utility Reconstruction – Platt Street to St. Onge Street (PCN X02Q) will be constructed with the South Dakota Department of Transportation (SDDOT) West Chicago Street Reconstruction (P0231(12)80); and, Project 3 was the completion of the West Chicago Street and South Trailview Drive Utilities Study and Reconstruction Design Report.

This amended project will be renamed to **Sturgis Road Area Utilities Reconstruction and Extension** and will be completed under **City Project Number 2001 / CIP 50824**. The project areas within this amended scope are described below. It is anticipated that the improvements will include the following:

1. **Project Area 4: S. Trailview Drive Sanitary Sewer and Water Main Reconstruction** – Project 4 is the in-place reconstruction of the existing 8-inch sanitary sewer in S. Trailview Drive from West Main Street to the construction limit of the SDDOT West Chicago Street Reconstruction Project (P0231(12)80). Project 4 also includes the looping of an 8-inch water main from W. St Louis Street to W. Chicago Street in S. Trailview Drive. Finally, Project 4 includes stormwater quantity/quality enhancements along the sanitary sewer alignment and minor drainage improvements at W. Main Street.
2. **Project Area 5: Sturgis Road Sanitary Sewer and Water Main Extension** – Project 5 includes the design of the extension of 8-inch sanitary sewer main from Project 4 across Sturgis Road and north along Sturgis Road to the southern extent of the SDDOT West Chicago Street Reconstruction Project (P0231(12)80). Additionally, an 8-inch water main will be extended along the same general route. Both the water and sanitary sewer mains eliminate several non-conforming and non-compliant sewer and water services.
3. **Project Area 6: Sturgis Road 16-inch Water Transmission Main Extension** – Project 6 is the extension of a 16-inch Water Transmission Main from W. Main Street to the southern extent of the SDDOT West Chicago Street Reconstruction Project (P0231(12)80), where it will connect to the 16-inch Water Transmission Main being constructed in conjunction with the SDDOT project. This transmission main will provide South Canyon High Level water to the future Pine Hills Booster Pump Station.
4. **Project Area 7: W. Rapid Street Water Main Reconstruction** – Project 7 is the reconstruction of 8-inch distribution main in W. Rapid Street from Kinney Avenue to the southern extent of the SDDOT West Chicago Street Reconstruction Project (P0231(12)80). The water main has had several water main breaks within the last three years and has outlived its useful life. The anticipated water main reconstruction project will include construction of a new main, replacement of the curb and gutter, where

**WEST CHICAGO STREET UTILITY RECONSTRUCTION PROJECT  
PROJECT NO. 12-2022 / CIP 50448  
SOUTH TRAILVIEW DRIVE UTILITY RECONSTRUCTION PROJECT  
PROJECT NO. 11-2001/ CIP 50824**

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necessary, replacement of the entire pavement section and replacement of sidewalk, where necessary.

5. West Chicago Street Utility Reconstruction (PCN X02Q) construction phasing and plans revisions necessary to accommodate SDDOT changes in sequencing.

The individual areas have been separated into "projects" for description only. It is the intent of this amendment to design and construct the proposed facilities under one construction project.

Tasks 1 through 3 presented in this Exhibit are "Standard" items, requested by the City. In the following detailed task descriptions, the various items within each project defined above are combined, where possible, under the same task. The projects are not discussed separately. Tasks 4 and 5 (not shown) are "Standard" construction tasks and, at the City's request, will be completed for this Project by Ferber Engineering Company, Inc., with scope and budget to be negotiated prior to the completion of Task 3.

**TASK 1 - PRELIMINARY DESIGN SERVICES:**

- 1.1 Kick-off Conference: The Engineer shall meet with City staff to detail project concept and scope. The Engineer shall prepare an agenda, take minutes and distribute minutes.
- 1.2 Gather and review background information listed in the Request for Proposals and any other resources as necessary.
- 1.3 ~~Develop and distribute a survey questionnaire to property owners adjacent to proposed construction areas approximately 3 months or more ahead of soliciting bids for construction. The questionnaire should be developed to obtain information on site specific concerns such as landscaping or irrigation systems, service line locations, special needs such as access considerations during construction, or history of utility or infrastructure problems at the property. Questionnaires would be returned to and evaluated by the consultant, who would follow up with appropriate individual contact with property owners prior to completion of 100% plans and contract documents to review project considerations that may be addressed or mitigated by the project work. (Completed under original contract).~~
  - ~~1.3.1 Questionnaires will be sent to the property owners during completion of Project 3.~~
  - 1.3.2 Personal meetings will be held with the property owners adjacent to Projects 4 through 7.
- 1.4 Perform site surveys sufficient for design plan preparation. The route and topography survey shall be tied to at least two City of Rapid City Monument Control system monuments utilizing State Plane coordinates.
  - 1.4.1 Detailed topographic survey information will be collected along the S. Trailview Drive corridor and the Sturgis Road right-of-way from West Main Street to West Chicago Street.
  - 1.4.2 Detailed topographic survey information will be collected along the W. Rapid Street project corridor between Kinney Avenue and West Chicago Street.
  - 1.4.3 Limited boundary survey collection will be necessary; property base map and surveying was completed under original contract.

**WEST CHICAGO STREET UTILITY RECONSTRUCTION PROJECT  
PROJECT NO. 12-2022 / CIP 50448  
SOUTH TRAILVIEW DRIVE UTILITY RECONSTRUCTION PROJECT  
PROJECT NO. 11-2001/ CIP 50824**

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- 1.5 Engineer will provide the following geotechnical services through Subconsultant contract with American Engineering Testing, Inc.
  - 1.5.1 Soil borings at nine (9) locations to a depth of 15 feet throughout the Projects.
  - 1.5.2 Laboratory testing will be completed for natural moisture content, dry density, proctors and remolded California Bear Ratios.
  - 1.5.3 Complete six (6) electrical resistivity tests; two in Sturgis Road, one in W. St. Louis Street and three in W. Rapid Street.
  - 1.5.4 Prepare a report(s) summarizing lab testing and provide recommendations.
- 1.6 ~~Engineer will provide the following structural services through Subconsultant contract with Albertson Engineering, Inc.~~
  - 1.6.1 ~~Preliminary analysis and design of structural components associated with suspending a casing pipe along the north side of the West Chicago Street railroad bridge.~~
  - 1.6.2 ~~Coordinate with SDDOT regarding the analysis and acceptability of casing pipe suspension from the bridge.~~
  - 1.6.3 ~~Prepare construction drawings and specifications for the structural components associated with suspended casing pipe.~~
- 1.7 ~~Engineer will provide the following landscape design services through Subconsultant contract with Designworks, Inc.~~
  - 1.7.1 ~~Landscape architecture services, if desired by the City, will be undertaken only after the City issues a Notice To Proceed specifically for landscape architecture.~~
  - 1.7.2 ~~Provide concepts for turf grass and trees within the West Chicago Street median from Sturgis Road to the end of the SDDOT reconstruction project.~~
  - 1.7.3 ~~Prepare preliminary design for irrigation system and control.~~
  - 1.7.4 ~~Coordinate landscape improvements with SDDOT and the Rapid City Parks Department.~~
  - 1.7.5 ~~Prepare construction drawings and specifications for landscaping improvements.~~
- 1.8 Engineer shall complete a preliminary design investigation.
  - 1.8.1 Water
    - 1.8.1.1 Engineer will prepare preliminary plan and profiles for water mains in S. Trailview Drive/W. St. Louis Street, Sturgis Road (16-inch main), Sturgis Road (8-inch main) and W. Rapid Street.
    - 1.8.1.2 Engineer will show existing water mains to be abandoned.
    - 1.8.1.3 Engineer will prepare preliminary side street water main tie-ins to accommodate system looping.
    - 1.8.1.4 Engineer will determine locations of existing water services
      - 1.8.1.4.1 Rapid City Utility Maintenance will provide locating services for all water mains.
      - 1.8.1.4.2 Rapid City Utility Billing and Service will operate curb stops to verify individual water connections. City will be responsible for repairing broken or inoperable curb stops.
      - 1.8.1.4.3 Engineer will coordinate schedule with Rapid City Billing and Service and be responsible for notifying property owners of

**WEST CHICAGO STREET UTILITY RECONSTRUCTION PROJECT  
PROJECT NO. 12-2022 / CIP 50448  
SOUTH TRAILVIEW DRIVE UTILITY RECONSTRUCTION PROJECT  
PROJECT NO. 11-2001/ CIP 50824**

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- temporary water shutoffs and request for entry into structures to verify shutoffs.
- 1.8.1.4.4 Water service to structures will be verified by Engineer following closing of the curb stop. Verification will at a minimum require operating an outside hose bib valve to ensure water is shut off by the curb stop.
  - 1.8.1.4.5 Water services will be located by Engineer's utility locating subcontractor using available tracer wire or by connecting to metallic water service components inside of each structure.
  - 1.8.1.4.6 Only the suspected nonconforming/noncompliant water services will be located by the Engineer.
- 1.8.1.5 Engineer will show proposed resolutions of noncompliant and combined water services.
  - 1.8.1.6 Engineer will show proposed water service reconnections for the west side Sturgis Road properties that will be removed from the existing S. Trailview Drive water main and reconnected to the proposed 16-inch transmission main.
- 1.8.2 Sanitary Sewer
- 1.8.2.1 Engineer will review sanitary sewer cards and as-constructed plans to determine approximate locations of existing sanitary sewer service taps.
  - 1.8.2.2 Engineer will determine locations of existing sanitary sewer services:
    - 1.8.2.2.1 Rapid City Utility Maintenance will provide locating services of all sanitary sewer mains. City will flush sanitary sewer mains as necessary prior to CCTV work.
    - 1.8.2.2.2 Rapid City Utility Maintenance will provide a vacuum truck and operator in the event that the vertical location of a sanitary sewer service is in question or in potential conflict with proposed facilities.
    - 1.8.2.2.3 Engineer will retain the services of a third party to provide video inspection of sanitary sewer services.
    - 1.8.2.2.4 Sewer services will be inspected via recorded CCTV from each structure to the sanitary sewer main using a locator. Location of the sanitary sewer camera/service line will be recorded on the ground surface using GPS survey equipment. Engineer's subconsultant will flush sanitary sewer services prior to CCTV inspection.
    - 1.8.2.2.5 If necessary, the third party inspection company may be required to CCTV the sewer main at tap locations and Engineer will operate a fixture(s) inside each structure to verify service connection location.
    - 1.8.2.2.6 To resolve conflicting information, Engineer and/or its subconsultant may utilize dye tablets to determine sewer service tap locations.
    - 1.8.2.2.7 Sewer main and sewer service CCTV inspection will be completed according to NASSCO standards.



**WEST CHICAGO STREET UTILITY RECONSTRUCTION PROJECT  
PROJECT NO. 12-2022 / CIP 50448  
SOUTH TRAILVIEW DRIVE UTILITY RECONSTRUCTION PROJECT  
PROJECT NO. 11-2001/ CIP 50824**

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- 1.8.2.2.8 Only the suspected nonconforming/noncompliant sanitary sewer service will be located by the Engineer.
- 1.8.2.3 Engineer will provide horizontal and vertical layout of sanitary sewer main in S. Trailview Drive, Sturgis Road and W. Rapid Street.
- 1.8.2.4 Engineer will show sanitary sewer mains to be abandoned.
- 1.8.2.5 Engineer will show new sanitary sewer service locations to reconnect to existing or proposed sanitary sewer mains within the Project area.
- 1.8.2.6 Engineer will show proposed resolutions of noncompliant and combined sanitary sewer services.
- 1.8.3 Drainage
  - ~~1.8.3.1 Engineer shall evaluate the SDDOT storm inlet and storm sewer design with regard to the *Rapid City Infrastructure Design Criteria Manual (RCIDCM)*.~~
    - ~~1.8.3.1.1 Engineer will complete appropriate hydrologic calculations where the SDDOT analysis does not conform to the RCIDCM.~~
    - ~~1.8.3.2 Engineer shall make recommendations to the City for additional storm inlets and/or larger diameter storm sewer.~~
    - ~~1.8.3.3 Engineer shall make recommendations to the City regarding stormwater quality treatment required by the SDDOT per the *Rapid City Stormwater Quality Manual (RCSQM)*.~~
      - ~~1.8.3.3.1 Preliminary layout of Old Lime Creek stormwater quality facilities will be prepared in order to convey the recommendations to the SDDOT.~~
    - ~~1.8.3.4 Engineer shall evaluate components of the SDDOT storm drainage facilities that may be part of the regional drainage system. The proposed SDDOT facilities will be evaluated per the *South Canyon - Lime Creek and the Old Lime Creek Drainage Basin Design Plans*.~~
  - 1.8.3.5 Engineer shall prepare stormwater quality component designs that can be equitably incorporated into the construction of the S. Trailsview Drive and Sturgis Road portions of the Project.
- 1.8.4 Street
  - 1.8.4.1 Engineer will prepare asphalt cement and concrete paving sections in conformance with the RCIDCM and the project geotechnical report.
  - 1.8.4.2 Engineer will design pedestrian facilities in conformance to the *Rapid City Area Bicycle and Pedestrian Master Plan (RCABPMP)* and the Americans with Disabilities Act (ADA) criteria, as necessary.
- 1.9 Prepare Project Design Technical Memorandum (TM) for Projects 4 through 7. The TM will outline deviations from the design report and/or criteria required to construct the project. A copy of the proposed geotechnical report will be included with the TM.
- 1.10 Prepare preliminary plan and profile sheets including locations of existing and new utilities for Projects 4 through 7 under one plan set. Existing utility locations with probable depths will be shown.
- ~~1.11 Prepare a preliminary South Trailview Drive Area Utility Replacement Master Plan containing a summary of questionnaire responses, compilation of nonconforming and~~

**WEST CHICAGO STREET UTILITY RECONSTRUCTION PROJECT  
PROJECT NO. 12-2022 / CIP 50448  
SOUTH TRAILVIEW DRIVE UTILITY RECONSTRUCTION PROJECT  
PROJECT NO. 11-2001/ CIP 50824**

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~~noncompliant water and sanitary sewer services, descriptions of proposed improvements, probable construction cost for each recommended improvement and prioritization of improvements.~~

- 1.12 Prepare a combined preliminary opinion of probable construction cost for Projects 4 through 7 as one construction project.
- 1.13 Identify permanent and temporary construction easements acquisition needs for Projects 4 through 7. Include size and extent of such easements.
- 1.14 Attend submittal review meeting with City staff.

**TASK 2 - FINAL DESIGN SERVICES:**

- 2.1 Address City comments from the ~~Task 1~~ City review and finalize the Project Design TM. Provide three (3) copies and a pdf file of the report.
- 2.2 Arrange and conduct individual meetings with affected property owners. Tabulate owners concerns and provide written recommendations for staff review regarding possible inclusion or exclusion of such requests.
- 2.3 Facilitate permanent and/or temporary construction easement acquisition, and obtain property owner contact information, prepare easement exhibits as necessary, conduct property owner meetings for easement acquisition, and document acquisition meetings. Provide copies of current deeds of properties where easements are needed and the City will prepare the necessary legal documents. The Engineer will not negotiate compensation for easements with property owners.
- 2.4 Coordinate directly with utility companies' engineering divisions to ensure that all existing utilities are completely and accurately identified and located in the field; that pertinent information regarding depth, material, size, etc. are noted on the plans; and that conflicts requiring relocation of utilities or special construction techniques are fully specified in the contract documents. Plans shall be provided to the pertinent utilities for comment at the time they are complete followed by a specific private utility coordination meeting in two to three weeks.
- ~~2.5 Represent the City and present City's best interest for SDDOT funding of Project 1 and 2 component.~~
- 2.6 Provide complete plans and specifications for a unit price construction contract. Plan sheets shall be prepared utilizing the latest City of Rapid City Drafting Standards.
  - 2.6.1 Plans documents shall adhere to current City of Rapid City guidelines.
  - 2.6.2 Staking information shall include the following as necessary:
    - 2.6.2.1 Station offsets or coordinates for all items of work requiring field staking
    - 2.6.2.2 Coordinates and description of inter-visible control points with benchmark information.
  - 2.6.3 Provide project layout to include lot lines (front and side) and addresses of all properties adjacent to construction.
  - 2.6.4 If desiring exceptions from City requirements or specifications, Engineer will request and secure exceptions. Failure by the City to comment on a nonconforming item during a review does not constitute the granting of an exceptions
- 2.7 Determine removal limits with approval of City of Rapid City representative.

**WEST CHICAGO STREET UTILITY RECONSTRUCTION PROJECT  
PROJECT NO. 12-2022 / CIP 50448  
SOUTH TRAILVIEW DRIVE UTILITY RECONSTRUCTION PROJECT  
PROJECT NO. 11-2001/ CIP 50824**

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- 2.8 Provide full Erosion and Sediment Control Plans for Projects 4 through 7, and include the appropriate bid items in the bidder's proposal.
- 2.9 Provide detailed specifications supplementing the City of Rapid City Standard Specifications, as necessary. Project drawing specific issues should be indicated as a General Note on the drawings. Material types and material specific items would be included as a detailed specification.
- ~~2.10 Prepare applicable permits with exhibits required for the City.~~
- ~~2.10.1 A USACE 404 permit will be obtained for Project 1.~~
- ~~2.10.2 Appropriate permits will be acquired from the Canada Pacific Railway for crossing of the railroad.~~
- 2.11 Identify permits that will be required for the Contractor. Identify permit costs and indicate if any permit costs are paid for directly by the owner or if it is a Contractor cost.
- 2.12 Prepare final combined Engineer's Opinions of Probable Construction cost for Projects 4 and 7.
- 2.13 Provide three (3) copies of the Final Design Services submittals. The submittal shall consist of complete plans, specifications, contract documents, and opinions of probable construction cost to the City of Rapid City's project manager for review. The Final Design Services submittal will be made to the City when the Engineer believes the plans, specifications, contract documents, and opinion of probable construction cost are 100% complete.
- 2.14 Address 95% submittal staff comments as necessary.
- 2.15 Engineer shall deliver the following to the City Project Manager (unless otherwise stipulated):
- Provide one (1) copy and a PDF format of the bid documents including complete plans and specifications. The plans for distribution shall be 22"x34".
  - Provide complete plans on CD compatible with current AutoCAD Release.
    - Provide all topographic, control, and design points in the .dwg file and in tabular format, both on CD and on hard copy printout.
  - Provide complete specifications on CD in current version of Microsoft Word.
  - Provide a unit price cost estimate on CD in current version of Microsoft Excel on the City of Rapid City "Engineer's Estimate" form.
    - Provide Engineer's Opinion of Probable Construction Costs as a component of this submittal.
  - Print and distribute five (5) copies of 11"x17" plans to the City of Rapid City for use construction services personnel.
- 2.16 All submittals (drawings and specifications) believed by the Engineer of Record to be final, shall contain a Certification Statement of Conformance with City Standards which shall read, "I (insert Engineer of Record's name) Certify that I have read and understand the provisions contained in the City of Rapid City Standard Specifications for Public Works Construction, current edition and the City of Rapid City's adopted Design Criteria Manuals. The drawings and specifications contained here within, to the best of my knowledge, were prepared in accordance with these documents or a properly executed exception to the Standard Specifications and/or Infrastructure Design Criteria Manual has been secured." This statement shall appear on the title sheet of the drawings and on the first page of

**WEST CHICAGO STREET UTILITY RECONSTRUCTION PROJECT  
PROJECT NO. 12-2022 / CIP 50448  
SOUTH TRAILVIEW DRIVE UTILITY RECONSTRUCTION PROJECT  
PROJECT NO. 11-2001/ CIP 50824**

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specifications after the cover sheet. The "Certification Statement of Conformance with City Specifications" shall be signed and dated by the Engineer of Record.

- 2.17 The City will submit plans and specifications to the Department of Environment and Natural Resources for approval. The Engineer shall address any comments or corrections required.
- 2.18 Engineer will update previously completed 100% West Chicago Street Utilities Reconstruction – Platt Street to St. Onge Street (PCN X02Q) to reflect SDDOT modifications to the West Chicago Street Reconstruction (P0231(12)80) plans.

**TASK 3 – BIDDING SERVICES:**

- 3.1 Submit sufficient information to the City of Rapid City project manager for completion of City Advertising Authority form.
- 3.2 Conduct a Pre-bid Conference. Record attendance and minutes. Distribute copies to all attendees.
- 3.3 Issue addenda to the bid documents as required.
- 3.4 Engineer shall review Bidder's Proposals and review and sign the City Engineering Services prepared Bid Tab and Award Summary.
- 3.5 Engineer shall review construction contract documents and supporting information from the contractor and submit to the City of Rapid City project manager for distribution to City Attorney's office for approval and signatures of the Mayor and Finance Officer.

**WEST CHICAGO STREET UTILITY RECONSTRUCTION PROJECT  
PROJECT NO. 12-2022 / CIP 50448  
SOUTH TRAILVIEW DRIVE UTILITY RECONSTRUCTION PROJECT  
PROJECT NO. 11-2001/ CIP 50824**

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PROJECT TEAM, MEETINGS, AND SUBMITTALS

Project team members may include:

- Ferber Engineering Company, Inc.
  - American Engineering Testing, Inc. (geotechnical engineering)
- City Engineering Services staff
  - Operations Division staff
  - Utility Maintenance Division (Service area and O&M related issues)
  - Water Division
  - Water Reclamation Division

Engineer will attend the following meetings:

- Kick-off meeting, Task 1
- Project Design Technical Memo and 35% Plans and Specifications submittal review meeting, Task 1
- Property owners meetings (coordination and easement acquisition), Task 1/Task2
- Private Utility coordination meeting, Task 2
- 95% Plans, Specifications and Contract Documents review, Task 2
- Prebid Conference, Task 3
- Committee and Council Meetings as required, All Tasks

Engineer will make the following submittals:

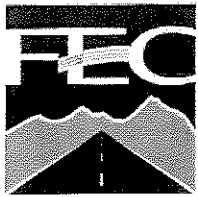
- Kick-off meeting, Task 1 meeting minutes
- Project Design Technical Memorandum and 35% Review Submittal, Task 1 including meeting minutes
- Final Project Design Technical Memorandum, Task 2 including meeting minutes
- 95% complete plans, specifications, contract documents and opinion of probable construction cost.
- Public meeting minutes
- Property owners meeting minutes
- Final submittal of bid documents including complete plans, specifications, contract documents, and Engineer's Estimate of probable construction cost, Task 2
- Pre-bid conference meeting minutes, Task 3

The Engineer will allow 15 working days for City review of the Project Design Technical Memorandum and 35% Plans review submittal and the 95% complete plans, specifications, contract documents and opinions of probable construction cost Contract Documents submittal.

**CITY PROJECT 2001 / CIP 50824 - STURGIS ROAD AREA UTILITIES RECONSTRUCTION AND EXTENSION**  
**PROJECT NO. 2001 / CIP 50824**

**EXHIBIT B**

<b>Task #</b>	<b>Description</b>	<b>Subtask Total</b>
1.1	Kickoff Conference	\$1,460.00
1.2	Gather/Review Background Information	\$4,200.00
1.3	Property Owner Questionnaire	\$0.00
1.4	Topographic and Legal Survey	\$17,500.00
1.5	Geotechnical Investigation	\$7,710.00
1.6	Structural Design	\$0.00
1.7	Landscaping Design	\$0.00
1.8	Preliminary Design Investigation	\$52,108.00
1.9	Project Technical Memorandum	\$4,026.00
1.10	Preliminary Plan and Profile	\$11,500.00
1.11	Preliminary South Trailview Drive Area Utility Master Plan	\$0.00
1.12	Prepare Engineer's Opinion of Probable Construction Cost	\$500.00
1.13	Identify Temporary and Permanent Easement Needs	\$2,694.00
1.14	Attend Submittal Review Meeting with Staff	\$1,320.00
<b>TASK 1 TOTAL</b>		<b>\$101,698.00</b>
2.1	Finalize Project Technical Memo	\$2,684.00
2.2	Individual Affected Property Owners Meetings (Included under other tasks)	\$0.00
2.3	Easement/ROW Preparation and Acquisition / Individual Landowner Mtgs	\$17,026.00
2.4	Utility Company Coordination	\$1,240.00
2.5	Represent the City and present City's best interest for SDDOT funding	\$0.00
2.6	Prepare Project Plans and Specifications	\$51,552.00
2.7	Determine Removal Limits (Included under other tasks)	\$0.00
2.8	Prepare Full Erosion and Sediment Control Plans	\$12,440.00
2.9	Prepare Detailed Specifications	\$3,100.00
2.10	Prepare applicable permits with exhibits required for the City	\$0.00
2.11	Identify Contractor required permits (Included under other tasks)	\$0.00
2.12	Prepare Engineer's Opinion of Probable Construction Cost	\$1,140.00
2.13	vide three copies of the Final Design Services Submittals (Included under other tasks)	\$0.00
2.14	Address 95% Staff Comments	\$1,320.00
2.15	Construction Plans and Specifications Submittal (Included under other tasks)	\$0.00
2.16	City Certification (Included under other tasks)	\$0.00
2.17	DENR Submittal and Address Comments (included under other tasks)	\$0.00
2.18	Chicago Street Utilities Phasing Modifications due to SDDOT Changes (included under other tasks)	\$0.00
<b>TASK 2 TOTAL</b>		<b>\$90,502.00</b>
3.1	Assist City Project Manager with Advertising Authority	\$260.00
3.2	Arrange and Attend Pre-bid Conference	\$880.00
3.3	Issue Addenda as Necessary	\$1,240.00
3.4	Review Bidder's Proposal, Bid Tab and Award Summary	\$620.00
3.5	Review Construction Contract Documents	\$620.00
<b>TASK 3 TOTAL</b>		<b>\$3,620.00</b>
<b>CONTRACT TOTAL FOR TASKS 1 - 3</b>		<b>\$195,820.00</b>



**Ferber  
Engineering  
Company, Inc.**

Civil Engineering • Water Resources • Transportation • Land Surveying • GIS  
729 East Watertown St, Rapid City, SD 57701 ~ Phone: (605) 343-3311

**EXHIBIT C**

**2016 SCHEDULE OF CHARGES**

<b><u>EMPLOYEE CLASSIFICATION</u></b>	<b><u>HOURLY RATE</u></b>
Principal Professional Engineer	\$130.00
Principal Professional Engineer/Professional Land Surveyor	\$130.00
GIS Professional/Professional Land Surveyor	\$110.00
Professional Engineer III	\$110.00
Professional Engineer II	\$90.00
Professional Engineer I	\$85.00
Graduate Engineer II	\$80.00
Graduate Engineer I	\$75.00
Senior Technician	\$90.00
Technician III	\$75.00
Technician II	\$65.00
Technician I	\$55.00
Drafter II	\$75.00
Drafter I	\$65.00
Administrative	\$75.00
Clerical	\$55.00
Mileage	\$ 0.56