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

Project Name & Number: 12th Street Reconstruction – West Main Street to Fulton
Project Description: Design Services related to reconstruction of 12th Street.
CIP #: 50927

Consultant: Ferber Engineering Company

Original Contract Amount: $379,565.00 Original Contract Date: 7/15/2019 Original Completion Date: 12/31/2022

Addendum No: 2
Amendment Description: Amendment includes water system design for block 13 Boulevard Addition, and
bidding and easement services for two breakout projects.

Current Contract Amount: $396,736.00 Current Completion Date: December 31, 2022
Change Requested: $36,410.00 New Contract Amount: $439,146.00 New Completion Date: December 31, 2023

Funding Source This Request:

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Total $439,146.00

Agreement Review & Approvals

Project Manager

Date 2/17/20

Civil Engineer

Date 2/21/20

Department Director

Date 2/22/20

Compliance Specialist

Date 2/24/20

City Attorney

Date

FINANCE OFFICE USE ONLY

(Note to Finance: Please write date of Agreement in appropriate space in the Agreement document)

Appropriation

Date 2/19/20

Cash Flow

Date 2/19/20

Y N

Rev: 03/2008

YSA Authorization for Mayor & Finance Officer to Sign
AMENDMENT NO. 2 TO AGREEMENT

Project: 12th Street Reconstruction- West Main Street to Fulton Street, Project No. 19-2499 / CIP No. 50927

Background Data: Reconstruction of 12th Street. Original contract included 12th Street from W Main Street to Fulton Street, and preliminary design for the reconstruction of 12th Street from Fulton Street to Fairview Street since a pavement rehab was planned for that area in 2023. Amendment No. 1 included final design services for 12th Street from Fulton Street to Fairview Street.

Nature of Amendment 2: Amendment No. 2 adds bidding services and easement acquisition for 12th Street from Fulton Street to Fairview Street, and additional design services for unanticipated water system operational differences between Quincy Street and Columbus Street (Block 13 Boulevard Addition). The water system investigated during preliminary design operates differently at the division between two pressure zones than originally determined. The water system changes at Block 13 of the Boulevard Addition will be evaluated by the consultant and bid as a separate project. See further information in attached Exhibits A, B and C.

Current Contract Amount: $399,735.00
Change Requested: $36,410.00
New Contract Amount: $436,145.00

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: ________________, 2022.

CITY OF RAPID CITY:

By: _________________________
    Steve Allender, Mayor

Date Signed: _________________

ATTEST:

By: _________________________
    Pauline Sumption, Finance Director

Date Signed: _________________

Engineer: _____________________

Date Signed: _________________

FORM 109B Professional Services Amendment (03/25/10)
EXHIBIT A

The current design contract includes the development of construction plans and specifications for two separate projects. These are:

- **Project 1** – 12th Street Reconstruction – West Main Street to Fulton Street – City Project 19-2499 / CIP 50927
- **Project 2** – 12th Street Reconstruction – Fulton Street to Fairview Street – City Project 21-2642 / CIP 51324.

**Project 1** is currently under construction with a completion date of October 31, 2022. **Project 2** will likely bid in 2022 with construction in 2023.

Several items have presented themselves during construction of **Project 1** that require additional design because the water system(s) investigated during preliminary design operate differently than all parties originally believed. These operational differences require additional design work in order to update plans for the remainder of **Project 1** and the creation of **Project 3**, "Water and Sewer Improvements Block 13 Boulevard Addition, Project No. 22-2699 / CIP 50927.1". In addition, the City has determined the need to add easement acquisition assistance and bidding services to **Project 2**. Specific aspects of the project are as follows:

- **Project 1**: at 12th Street and South Street varying documents were in conflict as well as City understanding of the Palo Verde and Low Level pressure zone interaction/separation. The City verified that the Monument Health/SD State University Nursing School at 11th Street and South Street is currently served by the Palo Verde pressure zone via a 6-inch private service from 12th Street. The City had a water main break on South Street that required Utility Maintenance to operate valves; due to the existence of seven (7) valves for the system, the shut off took significantly longer than during ordinary circumstances.
  - To simplify the intersection cluster and zone separation, the pipe layout and valving will be reconstructed.
  - To resolve two nonconforming water services, a Palo Verde high level main will be extended down South Street to serve the Nursing School and another nonconforming service.
  - **Project 1** modifications issued as a construction change order to **Project 1**.
  - No additional work required for **Project 1**.

- **Project 2**: additional work includes easement acquisition assistance and bidding assistance.
  - This additional work requires some Task 2 and Task 3 standard items.
  - Preliminary design was included in the original contract. Final design was included in Amendment 1.

- **Project 3**: based on field information obtained by Utility Maintenance in the preparation for Phase 2 of **Project 1** construction, the zone separation between the Palo Verde and Low Level water systems was found to be at the intersection of West Street and Columbus Street rather than at 12th Street and Columbus Street, as was originally understood by the City.
o The extent of the water system reconstruction must extend the full length of both Quincy and Columbus Streets between 12th Street and West Street.

o This will be bid as a separate project entitled, “Water and Sewer Improvements Block 13 Addition, Project 22-2699 / CIP 50927.1”

o This additional work requires some Task 1, Task 2 and Task 3 standard items.

The following are the various tasks and details outlined in the original scope of work. Items stricken-through are those items not applicable to this Amendment. Task items have been denoted as to what Project, as defined above, the task is attributed to. Task 3 items related to Bidding Services and As-constructed drawing development have been included for both Projects 2 and 3.

**TASK 1 - PRELIMINARY DESIGN 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 Gather and review background information listed in the Request for Proposals and any other resources as necessary.

1.3 Perform site surveys sufficient for design plan preparation for Project 3. The route and topography survey shall be tied to at least two City of Rapid City Monument Control system monuments utilizing NAD83 (2011) South Dakota State Plane South Zone. The elevation datum will be the North American Vertical Datum of 1988 (NAVD88).

1.3.1 Detailed survey limits will include the applicable street rights-of-way and applicable adjacent property frontage with added areas necessary to establish adequate utility infrastructure and drainage design(s).

1.3.2 Rights-of-way to be included in the survey are:

1.3.2.1 Columbus Street from the alley to West Street.

1.4 Determine locations of existing water services.

1.4.1 Perform in-field pressure tests of 13 houses within Project 3 to determine which pressure zone is currently serving them.

1.5 Determine locations of existing sanitary sewer services with assistance.

1.5.1 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.

1.5.2 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.

1.5.3 Engineer will retain the services of A-1 Sewer and Drain, Inc., to provide video inspection of sanitary sewer services.

1.5.4 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 subconsultant will flush
sanitary sewer services prior to CCTV inspection.

1.5.5 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.

1.5.6 To resolve conflicting information, Engineer and/or its subconsultant may utilize dye tablets to determine sewer service tap locations.

1.5.7 Sewer main and sewer service CCTV inspection will be completed to near NASSCO standards.

1.6 Develop and distribute a survey questionnaire to property owners one block on either side of 12th Street and adjacent to the other portions of the project. 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 will be returned to and evaluated by the consultant, who will 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.

1.7 Meet with individual property owners regarding ROW and permanent and temporary easement needs and regarding specific project issues and components.

1.7.1 Approximately 10 easements will be secured for Project 2.

1.7.2 Revisit six (6) properties in Project 3 to discuss easement revision to existing temporary easements acquired under Project 1.

1.8 Engineer will conduct a Private Utilities Base Plan Verification Meeting: Send base plans to the private utilities requesting verification that their utilities are shown correctly per their records. A meeting with the private utilities shall be scheduled after submitting plans to verify that the utilities are shown correctly. Base plan revisions will be made as necessary.

1.9 Engineer will provide the following geotechnical services through Subconsultant contract with American Engineering Testing, Inc. (AET)

1.9.1 Drill eleven (11) Standard Penetration Test (SPT) borings along the various alignments to an estimated depth of 10 feet below grade.

1.9.2 The subsurface conditions will be logged at each location and groundwater levels taken at each boring location following drilling. The borings will be advanced using either 3.25-inch I.D. Hollow Stem Auger or 4-inch flight auger. Soil samples will be collected from the borings in accordance with the procedures outlined in ASTM D3560.

1.9.3 Perform nine (9) 4-pin resistivity tests in the field at locations requested by the Engineer.

1.9.4 Perform laboratory testing in accordance with the appropriate ASTM procedures to classify the soils in order to estimate the characteristic engineering and index properties, as well as strength properties of the soils. The lab work will include natural moisture content, dry density, Atterberg Limits, moisture-density (modified Proctor) and California Bearing Ratio (CBR) tests.

1.9.5 Provide a report summarizing the results of the field work, laboratory data, and engineering recommendations soil/bedrock profiles and groundwater levels.

1.10 Engineer shall complete a preliminary design investigation for Project 3.
12th Street Reconstruction – AMENDMENT 2 – West Main Street to Fulton Street
PROJECT NO. 19-2499 / CIP 50927

4.10.1—Street
4.10.1.1—Engineer will provide horizontal and vertical layout according to street section criteria for 12th Street and the intersecting streets described in 4.3.2.4.
4.10.1.2—Engineer will evaluate sidewalk, driveways, etc. with regard to the selected horizontal and vertical layouts and typical sections and ADA compliance.

1.10.2 Water
1.10.2.1 Engineer will prepare a water system Technical Memorandum for attachment to the original design report that outlines the Project 1 and Project 3 water system modifications.
1.10.2.2 Engineer will provide horizontal and vertical layout of water main in 12th Street from Saint Joseph Street to Saint James Street.
1.10.2.3 Engineer will provide horizontal and vertical layout of Palo Verde High-Level water main loop along 12th Street between Quincy and Columbus Streets. Engineer will provide horizontal and vertical layout for the Palo Verde High-Level water main reconstruction from West Street to 12th Street along Quincy Street.

1.10.3 Sanitary Sewer
1.10.3.1 Engineer will provide horizontal and vertical layout for the reconstruction of that portion of sanitary sewer main in 12th Street between South Street and Fulton Street.
1.10.3.1.1 Provide horizontal and vertical layout for the construction of sanitary sewer main for the two half-alleys between Columbus Street and Quincy and Columbus and South Streets.
1.10.3.2 Engineer will provide horizontal and vertical layout for the preliminary design of noncompliant sewer service resolution mains between Fulton Street and Clark Street, Clark Street and Fairview Street and Fairview Street and Saint James Street.

1.10.4 Drainage/Storm Sewer
1.10.4.1 Engineer will provide horizontal and vertical layout of storm inlets and sewer in West Main Street and Saint Joseph Street to connect to the facilities constructed under City Project 15-2316 / CIP 50904.
1.10.4.2 Engineer will provide horizontal and vertical layout of storm inlets and sewer in 12th Street.
1.10.4.3 Engineer will evaluate proposed storm sewer utilizing the EPA's Stormwater Management Model (SWMM)

4.11 Prepare Project Design Report:
Engineer shall establish and indicate project-specific design criteria and standards within the Project Design Report (including ADA requirements). Engineer shall submit all design assumptions for typical section (lane configuration, shoulder width, guardrails, existing utility conflicts, etc.), design life, design criteria, and reference of design resources. Engineer shall use the City Infrastructure Design Criteria Manual (R CID CM) to establish design criteria and standards.

1.12 Prepare preliminary plans for Project 3 including cover sheet, property layout and land ownership sheets, construction traffic control, erosion and sediment control measures,
details, plan and profile sheets and cross-sections. Existing utility locations with probable depths will be shown.
1.13 Prepare preliminary opinion of probable construction costs for Project 3.
1.14 Identify permanent right-of-way and easement acquisition needs for Project 3.
1.15 Identify all nonconforming water and sewer service lines and include a map showing the proposed solution to making them conform with the City's current standards.
1.16 Submit three (3) copies and a PDF version of a Technical Memorandum for Phase 3 the Design Report and Phase 3 preliminary plans and specifications to the City of Rapid City's project manager for review and comment.
1.17 Attend submittal review meeting with City staff.

TASK 2 - FINAL DESIGN SERVICES:

2.1 Address City comments from the Task 1 City review(s) and finalize Project 3 Technical Memorandum Project Design Report.
2.1.1 Provide two (2) hardcopies and a PDF version of the Project 3 Technical Memorandum for inclusion in the previously submitted Final Design Report.

2.2 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.
2.2.1 Approximately 10 easements will be secured for Project 2.
2.2.2 Revise six (6) existing easement documents for Project 3. Temporary easements were obtained under Project 1 but need to be revised to fit the construction and warranty timeframe of Project 3.

2.3 Provide complete plans and specifications for a unit price construction contract for Project 3. Plan sheets shall be prepared utilizing the latest City of Rapid City Drafting Standards.
2.3.1 Plans documents shall adhere to current City of Rapid City guidelines.
2.3.2 Staking information shall include the following as necessary:
2.3.2.1 Station offsets or coordinates for all items of work requiring field staking.
2.3.2.2 Coordinates and description of inter-visible control points with benchmark information.
2.3.3 Provide project layout to include lot lines (front and side) and addresses of all properties adjacent to construction. Identify if property is rental or owner-occupied.

2.4 Determine removal limits with approval of City of Rapid City representative for Projects 1 and 3.

2.5 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 exception.
2.5.1 Engineer shall obtain a design exception for Infrastructure Design Criteria manual requirements and Standard Specifications as needed. Exceptions to the Standard...
Specifications shall be documented on the General Notes sheet of the construction plans. The table shall include the following:

2.5.2 City Exception File Number
2.5.3 Specification Section
2.5.4 Description
2.5.5 Stipulations

2.6 Incorporate design features as necessary to meet the requirements outlined in the Project Design Report for Project,

2.7 Incorporate ADA compliance items, for example fillet, driveway and sidewalk improvements. All applicable ADA requirements shall be outlined in the Project Design Report;

2.8 Provide a complete stormwater pollution prevention narrative for Project 3 which will include detailed erosion and sediment control measures and specifications. Provide a complete erosion and sediment control site plan which includes station and offset locations for each implemented measure. Include both temporary and permanent erosion and sediment control measures. Include an erosion and sediment control sequence of implementation and phasing schedule. Each erosion control item shall be bid separately.

2.9 Provide traffic control and phasing plans for Project 3 showing all streets and alleys that may be impacted by construction. All work zones, road closures, lane closures shall be indicated on the plan. A detailed layout will be included for each phase of multi-phased projects. The traffic control sequence of implementation and phasing schedule shall coincide with erosion and sediment control sequence of implementation and phasing schedule. Traffic control will be quantified and bid by the unit.

2.10 Provide a Project 3 Project Sequence of implementation and phasing schedule which shall include such items as traffic control, erosion and sediment control, utility installations, paving, restoration, and construction milestones.

2.11 Engineer shall create a detailed list of all potential utility conflicts caused by the project. City Project Manager shall schedule the Private Utility Coordination Meeting. Engineer shall prepare the meeting agenda and include the list of utility conflicts for discussion at the meeting. If a private utility intends to replace their infrastructure, the consultant shall coordinate a location corridor for the utilities and show the proposed location on the drawings. Indicate if the private utilities intend to abandon or replace the infrastructure prior to or during this project’s construction. 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. Prior to the meeting, preliminary plans shall be provided to the pertinent utilities for comment at the time they are complete. Engineer shall document the resolution of each utility conflict agreed upon by each utility company.

2.11.1 Provide the City Project Manager a list of all private utility conflict resolutions. If private utilities will need to be relocated, assist PM as necessary with formal notification.

2.12 Provide detailed specifications supplementing the City of Rapid City Standard Specifications, as necessary. Project drawing specific issues will be indicated as a
General Note on the drawings. Material types and material specific items will be included as a detailed specification.

2.13 Prepare applicable permits with exhibits required for the City. Identify permits that will be required for the Contractor.

2.13.1 Identify permit costs and indicate if any permit costs are paid for directly by the owner or if it is a Contractor cost.

2.13.2 Consultant shall obtain signatures and submit Notice of Intent to DANR for project coverage under the "General Permit for Stormwater Discharges Associated with Construction Activities". A fee is associated with this permit which shall be a reimbursable through consultant invoicing.

2.14 Prepare final Engineer’s Opinions of Probable Construction cost.

2.15 Provide three (3) copies of the Project 3 Final Design Services submittal. 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.

2.16 Address Project 3 Final Design Services submittal staff comments as necessary.

2.17 Engineer shall deliver the following to the City Project Manager:

- Provide one (1) copy and a PDF format of the Project 3 bid documents including complete plans and specifications.
- Provide Project 3 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 Project 3 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 by construction services personnel.
- All submittals 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. The “Certification Statement of Conformance with City Specifications” shall be signed and dated by the Engineer of Record.

2.18 Prior to the advertisement for bids, arrange and conduct a public open house with affected residents. The open house shall be held sufficiently ahead of the project advertisement for bids such that public comments and concerns may still be addressed
within the final project documents. Notice of the open house shall be mailed to all property owners adjacent to the proposed work area(s), as well as those in the immediate area who may be directly impacted by the construction, as determined by the City. The Notice shall be mailed on City letterhead and shall bear the City Project Manager Signature. The Consultant shall tabulate the public comments and concerns and provide written recommendations for staff review regarding possible inclusion or exclusion of such requests.

2.19 Submit plans and specifications to the Department of Agriculture and Natural Resources (DANR) for approval. The Consultant shall address any comments or corrections required.

2.20 Attend Public Works and Council meetings as necessary.

TASK 3 – BIDDING SERVICES (Projects 2 and 3):

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 will prepare “As-Constructed” plans and specifications. A hard copy of “As-Constructed” plans and specifications shall be submitted to the City in the same size and format as construction plans. Additionally, the Engineer will provide PDF’s and CAD files on a CD or DVD. The digital submittal must be compatible with current AutoCAD Civil 3D release and contain all files and data packaged in a format that will allow City personnel to seamlessly open “As-Constructed” drawings. Engineer will work with the City CAD technician, in person, to demonstrate the CAD file operation and compatibility with City CAD software. If Engineer is hired for Tasks 4 and 5, “As-Constructed” plans and specifications shall be provided thirty (30) days following project acceptance. However, if Engineer is not hired for Tasks 4 and 5, “As-Constructed” plans and specifications shall be provided thirty (30) days following Engineer’s receipt of City markups/redlines. Engineer will be paid for this work in advance, on the last invoice, but is required to complete the work at a later date per the contract, even if Engineer has billed 100% of the contract and the City has closed the contract.

3.5.1 All “As Built” plans and specifications, believed by the Engineer of Record to be a final, shall contain a Certification Statement of Conformance, which shall read, "I (insert Engineer of Record’s name) Certify that the As Built drawings and specifications contained here within, to the best of my knowledge, represent the constructed project. This statement shall appear on the title sheet of the drawings and on the first page of specifications after the cover sheet. The “Certification Statement of Conformance” shall be signed and dated by the Engineer of Record.
PROJECT TEAM, MEETINGS, AND SUBMITTALS

Project team members will include:

- Ferber Engineering Company, Inc.
  - American Engineering Testing, Inc. (Geotechnical Engineering)
  - A-1 Sewer and Drain, Inc.
- City Engineering Services staff
  - Utility Maintenance Division (Service area and O&M related issues)
  - Street Design
  - Water Division
  - Water Reclamation Division
  - Parks Division

Engineer will attend the following meetings:

- Kickoff Meeting, Task 1
- Private Utility Base Plan Verification Meeting, Task 1
- Project Design Report and Project 3 Technical Memorandum, Preliminary Plans and Specifications submittal review meeting, Task 1
- (Projects 2 and 3) Property owner meetings (coordination, easement acquisition), Tasks 1 and 2
- Private Utility coordination meetings, Task 2
- Project 3 Final Plans, Specifications and Contract Documents submittal review, Task 2
- Prebid Conference, Task 3

Engineer will make the following submittals:

- Kickoff Meeting Minutes
- Project 3 Preliminary Design Services Submittal, Task 1
- Final Project Design Report, Task 2
- Project 3 Final Design Services Submittal, Task 2
- Public meeting minutes, Task 2
- Property owner meeting minutes, Task 2
- Open house comments/concerns and Engineer’s recommendations for inclusion or exclusion, Task 2
- Final submittal of Project 3 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
- Bid Tab and Award Recommendation, Task 3
The Engineer will allow 15 working days for City review of the Project Design Report and Preliminary Design Services Submittal and the Final Design Services Submittal.

**SCHEDULE**

- Draft Design Report Submittal — April 1, 2020
- Draft Design Report Review Complete — April 20, 2020
- Final Design Report Submittal — July 1, 2020
- 95% Plans and Specifications Submittal — November 3, 2020
- 95% Plans and Specifications Review Complete — December 1, 2020

**Projects 2 and 3** Final Plans and Specifications Submittal — October 2022

**Projects 2 and 3** Bid Opening — January 2023

**Projects 2 and 3** Project 100% Constructed — November 2023
# 12th Street Reconstruction - Project 19-2499 / 50927 AMENDMENT 2

## EXHIBIT B

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<td>Attend submittal review meeting with City Staff (included in other tasks)</td>
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### TASK 1 TOTAL

- Finalize Project Design Report: $640.00
- Easement/ROW Exhibits and Landowner Meetings: $3,610.00
- Provide Complete Plans and Specifications (included in other tasks): $0.00
- Determine Removal Limits (included in other tasks): $0.00
- Design Exception Preparation: $300.00
- Incorporate Design Features per Design Rpt (included in other tasks): $0.00
- Incorporate ADA Compliance items: $940.00
- Prepare Full Erosion and Sediment Control Plans: $540.00
- Prepare Traffic Control and Phasing Plans: $660.00
- Prepare Project Sequencing (included in other tasks): $0.00
- Private Utility Conflict Resolution (included in other tasks): $0.00
- Prepare Detailed Specifications: $0.00
- Prepare Applicable Permit Applications (included in other tasks): $300.00
- Prepare Final Engineer's Opinion of Probable Construction Cost: $460.00
- Final Design Services Submittal: $4,440.00
- Address City Comments on Final Design Services (included in other tasks): $0.00
- Final Design Deliver (included in other tasks): $0.00
- Public Open House: $0.00
- Submit Plans to SDDENR for review: $300.00
- Attend Public Works and Council Meetings as necessary: $0.00

### TASK 2 TOTAL

- Assist City Project Manager with Advertising Authority (Projects 2 and 3): $1,600.00
- Arrange and Attend Pre-bid Conference (Projects 2 and 3): $1,740.00
- Issue Addenda as Necessary (Projects 2 and 3): $1,600.00
- Review Bidder's Proposal, Bid Tab and Award Summary (Projects 2 and 3): $1,140.00
- Prepare "As-constructed" Plans (Projects 2 and 3): $6,120.00

### TASK 3 TOTAL

- $12,200.00

### AMENDMENT 1 TOTAL FOR TASKS 1 - 3

- $36,410.00

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Although dollar values have been provided for each task, FEC shall retain the right to reallocate monies to other tasks, subject to the maximum limiting fee shown above.

Exhibit B
2/16/2022
Page 1
## 2022 SCHEDULE OF CHARGES

<table>
<thead>
<tr>
<th>EMPLOYEE CLASSIFICATION</th>
<th>HOURLY RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principal Professional Engineer</td>
<td>$170.00</td>
</tr>
<tr>
<td>Principal Professional Engineer/Professional Land Surveyor</td>
<td>$170.00</td>
</tr>
<tr>
<td>GIS Professional/Professional Land Surveyor</td>
<td>$150.00</td>
</tr>
<tr>
<td>Professional Engineer IV</td>
<td>$150.00</td>
</tr>
<tr>
<td>Professional Engineer III</td>
<td>$125.00</td>
</tr>
<tr>
<td>Professional Engineer II</td>
<td>$115.00</td>
</tr>
<tr>
<td>Professional Engineer I</td>
<td>$105.00</td>
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<tr>
<td>Graduate Engineer III</td>
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<tr>
<td>Graduate Engineer II</td>
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<tr>
<td>Graduate Engineer I</td>
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<tr>
<td>Senior Technician</td>
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<tr>
<td>Technician III</td>
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<tr>
<td>Technician II</td>
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<tr>
<td>Technician I</td>
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<tr>
<td>Drafter II</td>
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<tr>
<td>Drafter I</td>
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<tr>
<td>Office Manager</td>
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<tr>
<td>Clerical</td>
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<tr>
<td>Mileage</td>
<td>$0.59</td>
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