

ARKANSAS VALLEY CONDUIT COMMITTEE MEETING
Avondale-Boone AVC Delivery Lines Design Contract
Action Report

Date: July 7, 2022

Agenda Item: VII.A.

STAFF RECOMMENDATIONS:

Executive Director and staff recommend that the Committee recommend to the Enterprise Board to authorize the Executive Director for execution of a Professional Services Contract to GMS, Inc. to provide engineering design services for the AVC Avondale and Boone Delivery Lines.

BUDGET IMPLICATIONS:

The Enterprise obtained funding for the design and construction of the Avondale and Boone Delivery Lines from Pueblo County through the American Rescue Plan Act (ARPA) in the total amount of \$1,200,000. The engineering and construction management services for this project have been negotiated at \$139,670 for design and \$78,400 for construction management services for a total engineering fee of \$218,070. This is within the budget range established for the project using the ARPA funds.

PREVIOUS BOARD ACTION AND/OR ACTIVITY:

None

ISSUE SUMMARY DESCRIPTION:

A Request for Proposal (RFP) was published on May 2, 2022 to seek professional engineering design services for the AVC Avondale and Boone Delivery Lines project. The engineering services for this project include:

The scope of services includes:

- Project Management and Administration
 - Manage and administer design contract.
 - Manage project scope, budget, and schedule.
 - Develop and Manage Quality Control Program.
 - Coordinate Constructability and Value Engineering Evaluations.

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- Design Engineering
 - Establish final sizing and location of pipelines within the existing NEPA corridors.
 - Coordinate final hydraulic evaluations with Reclamation.
 - Coordinate pipeline connections with other Consultants and/or Reclamation.
 - Provide land acquisition services as required.
 - Conduct cultural, environmental, and archeological clearance surveys in coordination with Reclamation.
 - Obtain necessary permitting including any County 1041 approvals or reviews.
 - Conduct utility surveys (S.U.E. Level C except Level A within CDOT corridors).
 - Conduct all necessary geotechnical investigations.
 - Prepare 60% and 100% design level submittals including plan and profile drawings and technical specifications.
 - Prepare final design report.
 - Prepare construction cost estimates at 60% and 100% design levels.
 - Prepare construction bidding documents.
- Construction Management
 - Assist with construction bidding administration.
 - Conduct preconstruction meeting.
 - Review contractor submittals.
 - Provide construction observation and quality assurance.
 - Review contractor pay requests and recommend payment.
 - Assist with start-up and testing.

The project design is scheduled to be completed by the end of 2022 with bidding and construction completed by the summer of 2023. This completion schedule is anticipated to be well in advance of completion of the Trunk Line from Pueblo to Boone which is scheduled by the end of 2024.

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Funding for this first project of the AVC Spurs and Delivery Lines part of the project was secured from Pueblo County through the American Rescue Plan Act (ARPA). Pueblo County committed \$1,200,000 for the engineering and construction of the Avondale Delivery Line and the Boone Delivery Line. Three responses to the RFP were received on June 8, 2022 from GMS, Inc., AECOM, and Kennedy Jenks. AECOM and Kennedy Jenks both responded by notifying the Enterprise that, for various reasons, they both decided not to prepare proposals for the project. Therefore, GMS, Inc. was the only proposal that provided the information requested in the RFP.

Staff reviewed the GMS, Inc. proposal and prepared evaluations of the proposal. GMS submitted an excellent proposal which clearly provided a scope of services, schedule, and fee to meet the project objectives. Therefore, the staff recommends that the AVC Committee approve a recommendation to the Enterprise Board to approve an engineering services contract with GMS, Inc.

The following engineering fees were agreed upon with GMS:

| | |
|----------------------------------|------------------|
| Design Services | \$139,670 |
| Construction Management Services | <u>\$ 78,400</u> |
| Total Fee | \$218,070 |

The draft engineering services agreement which includes the project fees and schedule is included in Attachment 1. The GMS, Inc. proposal has been made a part of the agreement and is included as Exhibit A of the Agreement.

SUGGESTED MOTION:

I move to recommend that the AVC Committee recommend to the Southeastern Colorado Water Activities Enterprise Board to authorize the Executive Director to execute an engineering services agreement with GMS, Inc. for the AVC Avondale and Boone Delivery Lines project in the amount of \$218,070.

ATTCHMENTS: Attachment 1: Draft, Contract for Professional Services Between the Southeastern Colorado Water Activity Enterprise and GMS, Inc. Consulting Engineers

**Contract for Professional Services
Between the
Southeastern Colorado Water Activity Enterprise
and
GMS Inc., Consulting Engineers**

This Contract is entered on _____, ____ between the Southeastern Colorado Water Activity Enterprise (“SECWCD”), 31717 United Avenue, Pueblo, CO 81001, and GMS, Inc. (“Contractor”), whose address is 611 North Weber Street, Ste. 300, Colorado Springs, CO 80903. SECWCD and Contractor are jointly referred to herein as the “Parties.”

RECITALS

WHEREAS, the SECWCD desires to employ Contractor’s services for engineering design and construction management services in connection with the Avondale-Boone AVC Delivery Lines _____; and

WHEREAS, Contractor desires to provide such services to SECWCD under the terms and conditions set forth herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements of the Parties contained herein, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties, intending to be legally bound, agree as follows:

Terms of Agreement

Services of the Contractor. During the Term of this Agreement, Contractor hereby agrees to provide the SECWCD with _____ engineering design and construction management services including and not limited to

- Project Management and Administration
 - Manage and administer design contract.
 - Manage project scope, budget, and schedule.
 - Develop and Manage Quality Control Program.
 - Coordinate Constructability and Value Engineering Evaluations.
- Design Engineering
 - Establish final sizing and location of pipelines within the existing NEPA corridors.
 - Coordinate final hydraulic evaluations with Reclamation.
 - Coordinate pipeline connections with other Consultants and/or

Reclamation.

- Provide land acquisition services as required.
- Conduct cultural, environmental, and archeological clearance surveys in coordination with Reclamation.
- Obtain necessary permitting including any County 1041 approvals or reviews.
- Conduct utility surveys (S.U.E. Level C except Level A within CDOT corridors).
- Conduct all necessary geotechnical investigations.
- Prepare 60% and 100% design level submittals including plan and profile drawings and technical specifications.
- Prepare final design report.
- Prepare construction cost estimates at 60% and 100% design levels.
- Prepare construction bidding documents.
- Construction Management
 - Assist with construction bidding administration.
 - Conduct preconstruction meeting.
 - Review contractor submittals.
 - Provide construction observation and quality assurance.
 - Review contractor pay requests and recommend payment.
 - Assist with start-up and testing.

All work shall be in accordance with the attached Exhibit A-Engineering Services Proposal by GMS, Inc. Consulting Engineers dated June 8, 2022 as amended in this Agreement. To the extent there is any discrepancy between Exhibit A and this Agreement, this Agreement shall prevail

Adjustments to Exhibit A Fee Schedule (page 10 and Appendix B and C:

1. The Construction Management/Inspection Fees are changed from \$122,200 to \$78,400 based on the assumption that construction of both delivery lines will be concurrent, this reducing the inspection hour estimates.
2. Funding Assistance services will be provided by SECWCD changing the fee from \$9,350 to \$0.

The total Lump Sum fee shall be \$218,070 – Design Services \$139,670 and Construction Management/Inspection Services \$78,400. Design Services shall be completed by

December 31, 2022 and Construction Management/Inspection Services shall be completed by December 31, 2023.

3. Payment and Fee Schedule. – As set forth in Exhibit A or otherwise below, Contractor shall provide SECWCD with an invoice on a monthly basis for services performed and reimbursable expenses. SECWCD will submit the invoice amount for reimbursement from the ARPA funding agency within 7 calendar days of the Contractor’s invoice. SECWCD shall pay Contractor’s invoice within 7 days of receipt of ARPA funding reimbursement from the ARPA funding agency.

4. Term of the Agreement. This Agreement shall be in effect from _____, 20_22_ until ___December 31_____, 20_23_, unless otherwise agreed upon in writing or terminated as specified below.
 - 2.1 Termination for Cause: If, through any cause, the Contractor fails to fulfill its obligations under this Agreement in a timely, proper, or satisfactory manner, or if the Contractor violates any of the covenants, conditions, or stipulations of this Agreement, SECWCD shall thereupon have the right to immediately terminate this Agreement upon giving written notice to the Contractor of such termination and specifying the effective date thereof. SECWCD may at its sole discretion permit the Contractor to remedy the cause of a contemplated termination without waiving SECWCD’s right to terminate the Agreement. In the event of a termination for cause or if the Contractor is unable to perform under this Agreement, SECWCD may complete the work by other means and Contractor shall be liable for all reasonable costs in excess of what SECWCD would have paid had there been no termination for cause.

 - 2.2 Termination for Convenience. SECWCD in its sole discretion may terminate this Agreement at any time by giving written notice as specified herein to the Contractor, which notice shall be given at least thirty (30) days prior to the effective date of the termination. If this Agreement is terminated for convenience by SECWCD, then the Contractor will be paid for the portion of work or services that have satisfactorily completed at the time of the termination.

5. Personnel Assignment. - Unless otherwise agreed to in writing by the Parties, Contractor will perform all services under this Agreement by and through the person of _____ Jason Myer, P.E., Principal _____. In the event the Contractor does not have persons as part of its regular staff that perform certain professional services, then such services may be performed by practicing subcontractors outside the employ of Contractor with written approval of SECWCD.

6. Communication and Coordination. - Contractor shall regularly coordinate and communicate with the SECWCD regarding design services status _____. SECWCD may direct that such

coordination and communication include progress updates, review meetings, and/or work sessions.

7. Project Manager/SECWCD Designee - SECWCD designates Kevin Meador, P.E., Principal Engineer _____ as the primary person who will communicate with the Contractor, but Contractor will remain available to work with other SECWCD staff or board members upon request.
8. Reimbursable Expenses. – Except for those reimbursable expenses specifically identified in Exhibit A or approved in writing by SECWCD as reasonably related to or necessary for Contractor’s services, all other expenses will not be reimbursed.
9. Professional Responsibility. – Unless otherwise specified, Contractor’s work shall be performed with the standard of care, skill, and diligence provided by competent professionals who perform work of a similar nature in accordance with all applicable codes, plans, specifications, and industry standards. Contractor’s work shall be performed to SECWCD’s reasonable satisfaction.
10. Independent Contractor. – In providing services under this Agreement, the Contractor acts as an independent contractor and not as an employee of SECWCD. The Contractor shall be solely and entirely responsible for his/her employees, agents, servants, and subcontractors during the term and performance of any services or work under this Agreement. The Contractor, at its own expense, shall procure and maintain workers’ compensation insurance as required by law. Pursuant to Colorado’s Workers’ Compensation Act § 8-40-202, Contractor understands and agrees that its employees are not entitled to workers’ compensation benefits from SECWCD. Contractor further understands and agrees that it is solely obligated for the payment of federal and state income tax on any moneys earned pursuant to this Agreement and compliance with federal and state law.
11. Indemnification. – The Contractor agrees to indemnify, defend, and hold harmless, SECWCD, its officers, agents, and employees for, from, and against any and all claims, suits, expenses, damages, or other liabilities, including reasonable attorneys’ fees and costs, arising out of damage or injury to persons, entities or property caused or sustained by any person(s) as a result of the Contractor’s performance or failure to perform pursuant to the terms of this Agreement or as a result of any subcontractors’ performance or failure to perform pursuant to the terms of this Agreement.
12. Intellectual Property. – SECWCD shall have title and all intellectual and other property rights, in and to any designs, data, the results of any tests, surveys, inspections, all photographs, drawings, drafts, studies, estimates, reports, models,

notes, and any other materials or work product, whether in electronic or hard copy format, created by Contractor pursuant to this Agreement.

13. Insurance. – During the Term of the Agreement, Contractor agrees to maintain insurance of the following types and amounts: (i) Commercial General Liability Insurance to include products liability, completed operations, contractual, broad form property damage and personal injury in the amount of \$1,000,000 for each occurrence and \$2,000,000 as a policy aggregate; (ii) Business Automobile Liability with a combined single limit of \$1,000,000 applicable to all owned, hired and non-owned vehicles used in performing services under this agreement; (iii) Professional Liability (Errors & Omissions) with limits of \$1,000,000 per claim and \$1,000,000 policy aggregate for damages or claims arising out of the rendering, or failure to render, any professional services, as applicable; (iv) Workers' Compensation/Employer's Liability Insurance as required by Colorado statutes. Contractor shall include SECWCD and its officials and employees as additional insured for Commercial General Liability and Business Automobile Liability.
14. Damages. – Notwithstanding anything else set forth in this Agreement, if Contractor fails to comply with any term of this Agreement, Contractor shall be liable to SECWCD for all damages arising from the breach, including but not limited to attorneys' fees and costs.
15. Colorado Governmental Immunity Act – The parties understand and agree that SECWCD has not waived any of its rights, immunities, and protections provided by the Colorado Governmental Immunity Act, C.R.S. § 24-10-101, *et seq.*
16. Notice. - Any notice, bill, invoice, or other record required in connection with this Agreement shall be given in writing and shall be delivered either by hand to the other party or by certified mail, return receipt requested, to the other party at the address stated below. Either party may change its address stated below by giving notice of the change in accordance with this paragraph.
17. Assignment. - This Agreement may not be assigned by Contractor without SECWCD's prior written consent.
18. Non-Waiver. - The waiver by either party of a breach of any provision of this Agreement shall not operate, or be construed, as a waiver of any subsequent breach.
17. Amendment. - No change, modification, or waiver of any term of this Agreement shall be valid unless it is in writing and signed by both SECWCD and Contractor.
18. Conflict of Interest. - The Parties agree that no SECWCD officer or employee shall have any personal or beneficial interest in the services provided herein. The Contractor agrees not to hire or contract for services with any employee or officer of SECWCD which

would be in violation of C.R.S. § 24-18-105. The Contractor agrees that it will not engage in any transaction, activity, or conduct that will result in a conflict of interest to SECWCD, which is to be determined at the sole discretion of SECWCD.

19. Compliance with Applicable Laws – During the performance of this Agreement, Contractor agrees to strictly adhere to all applicable federal, state, and local laws, regulations, and rules, including all licensing and permitting requirements.
20. Records Retention. – Contractor shall maintain records and documentation of the services provided under this Agreement, including fiscal records, and shall retain the records for a period of three (3) years from the date this Agreement is terminated. Said records and documents shall be subject at all reasonable times to inspection, review, or audit by SECWCD and any authorized federal, state or local government personnel.
21. Integration. – This Agreement constitutes the entire agreement between the Parties and supersedes all prior agreements or understandings between SECWCD and Contractor.
22. Choice of Law. – This Agreement shall be governed by, and construed and enforced in accordance with, the laws of Colorado without regard to conflicts of law principles.
23. Execution in Counterparts. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute one and the same instrument.
24. Public Contracts for Services. – Contractor certifies, warrants, and agrees that it does not knowingly employ or contract with an illegal alien who will perform work under this Agreement and will confirm the employment eligibility of all employees who are newly hired for employment in the United States to perform work under this Agreement through participation in the E-Verify Program or the department program established pursuant to C.R.S. § 8-17.5-102(5)(c). Contractor shall not knowingly employ or contract with an illegal alien to perform work under this Agreement or enter into a contract with a subcontractor that fails to certify to Contractor that the subcontractor shall not knowingly employ or contract with an illegal alien to perform work under this Agreement. Contractor certifies, warrants, and agrees (i) it confirmed the employment eligibility of all employees who are newly hired for employment to perform work under the Agreement through participation in either the E-Verify program or the department program; (ii) it will not use E-Verify Program or department program procedures to undertake pre-employment screening of job applicants while the Agreement is being performed; (iii) it will notify a subcontractor and SECWCD within three days if Contractor has actual knowledge that a subcontractor is employing or contracting with an illegal alien for work under this Agreement and to terminate the subcontract if the subcontractor does not stop employing or contracting with the illegal alien within three days of receiving notice; and (iv) it will comply with reasonable requests made in the course of an investigation, undertaken pursuant to C.R.S. § 8-17.5-102(5), by the Colorado Department of Labor and Employment. If Contractor participates in the department program established pursuant to C.R.S. § 8-17.5-102(5)(c), then within twenty days after hiring an employee who is

newly hired for employment to perform work under the Agreement, Contractor will affirm that the Contractor has examined the legal work status of such employee, has retained file copies of the documents required by 8 U.S.C. § 1324a, and has not altered or falsified the identification documents for such employees. The Contractor shall provide a written, notarized copy of this affirmation to SECWCD.

25. Appropriation and Funding. SECWCD's payment obligation, whether direct or contingent, is subject to funds that are appropriated annually. SECWCD does not by this Agreement pledge present cash reserves for payment or performance in future fiscal years, and this Agreement does not and is not intended to create a multiple-fiscal year direct or indirect debt or financial obligation to SECWCD.
26. Nondiscrimination in Employment. – In connection with the performance of work under this agreement, the Contractor may not refuse to hire, discharge, promote or demote, or discriminate in matters of compensation against any person otherwise qualified, solely because of race, color, religion, national origin, gender, age, military status, sexual orientation, gender identity or gender expression, marital status, or physical or mental disability. The Contractor shall insert the foregoing provision in all subcontracts.

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Entered into this _____ day of _____ 20__.

Southeastern Colorado Water Activity Enterprise

By: _____
Executive Director Date

Organization __GMS, Inc. _____

By: _____
Principal Date

**ENGINEERING SERVICES PROPOSAL
BY
GMS, INC., CONSULTING ENGINEERS**

**ADMINISTERED BY THE
SOUTHEASTERN COLORADO WATER
CONSERVANCY DISTRICT**



Project Title: AVC Avondale and Boone Delivery Lines
Engineering Design

Submitted Through: www.BidNet.com

Submittal Date: June 8, 2022

Submitted By: GMS, Inc., Consulting Engineers
611 North Weber Street, Ste. 300
Colorado Springs, CO 80903
Telephone: (719) 475-2935
Telefax: (719) 475-2938
Contact: Jason D. Meyer, P.E.
jmeyer@gmsengr.com

Section 1 - Cover Letter

GMS, INC.
CONSULTING ENGINEERS
611 NORTH WEBER, SUITE 300
COLORADO SPRINGS, COLORADO 80903-1074

TELEPHONE (719) 475-2935
TELEFAX (719) 475-2938

EDWARD D. MEYER, P.E.
ROGER J. SAMS, P.E.
JASON D. MEYER, P.E.
DAVID R. FRISCH, P.L.S.

THOMAS A. McCLERNAN, P.E.
MARK A. MORTON, P.E.
KEN L. WHITE, P.L.S.

June 8, 2022

Mr. James Broderick, Executive Director
Southeastern Colorado Water Conservancy District
31717 United Avenue
Pueblo, CO 81001

RE: AVC Avondale and Boone Delivery Lines Engineering Design
Request for Proposals

Dear Mr. Broderick:

GMS, Inc. is pleased to respond to the District's Request for Proposals for the AVC Avondale and Boone Delivery Lines Engineering Design. We welcome the opportunity to be of service to the District.

We have prepared our response in accordance with your submittal requirements as outlined in your Request for Proposals. We believe, upon your review of our response, and the table below, you will find that our organization has over 43 years of extensive experience in projects of the nature being pursued by the District.

| Name | No. of Yrs. With GMS, Inc. | Total Years of Experience | CO Prof. License No. |
|---------------------------|----------------------------|---------------------------|----------------------|
| Roger J. Sams, P.E. | 44 years | 51 years | 11884 |
| Ken L. White, P.L.S. | 32 years | 42 years | 25382 |
| Thomas A. McClernan, P.E. | 28 years | 41 years | 24170 |
| Jason D. Meyer, P.E. | 20 years | 24 years | 40767 |
| Mark A. Leasure, L.S.I. | 15 years | 15 years | N/A |
| Dannah M. Koeniger, P.E. | 5 years | 24 years | 37106 |
| Samuel L. Wood, P.E. | 4 years | 13 years | 60152 |

The level of detail put into plans and specifications by consultants varies dramatically. GMS, Inc. has a reputation of developing comprehensive plans that are very thorough, together with thorough specifications. The specifications in this case, would be tailored to both create the standards for additional spur and delivery line requirements, as well as incorporating Pueblo County's ARPA funding requirements. This detail enables contractors to better understand the project. Such results in more competitive bids from the general contractors as they know and understand what will be required of them. This approach eliminates the vast majority of all change orders and guards against unwarranted change order requests.

We have incorporated, as requested, a list of recently completed water projects similar in complexity and scope to the District's Avondale and Boone Delivery Lines design. We

Mr. James Broderick, Executive Director

June 8, 2022

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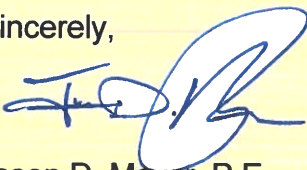
encourage the District to not only contact those individuals, but also consider contacting area contractors who are familiar with our plans and specifications and project approach. Please feel free to contact such individuals as Glenn Moltrier with Purgatoire Valley Construction, Inc., Jason Kendall, Justin Bell or Scott Baysinger with KR Swerdfeger Construction, Inc., Merritt Gardner with Gardner Excavating, Inc., Brian Bell with Pate Construction Co., Inc. or Dale D'Ercole with Core & Main LP. These organizations have undertaken construction and supplied material on a multitude of our projects over the years, and are familiar with our plans and specifications.

From your Request for Proposal as well as our discussions with you, we understand you have secured funding through Pueblo County for a portion of the ARPA funds they received. We are currently working with two other communities, Colorado City Metropolitan District and the Town of Boone, within Pueblo County, who have also received Pueblo County ARPA funding. These projects are nearing their design completion and will be going out to bid in the near future. This provides a benefit to the District as the project contract, along with the ARPA funding requirements, have already been defined with Pueblo County. With our active working knowledge of Pueblo County's ARPA funding program, such enables us to incorporate all appropriate documentation into the specifications to better ensure the District's compliance with the County's ARPA criteria.

We have reviewed your tentative schedule and clearly understand the completion date along with the ARPA funding requirements. We are prepared to aggressively move forward on the project and have plans and specifications to you in a timely manner to enable the District to proceed with bidding in December/January, with the start of construction in April 2023. This approach will enable construction to begin when weather conditions are conducive to undertaking the work and the optimal results can be achieved within the installation of the water delivery lines. Our goal is to ensure that this project is successful for the District along with the two water receiving entities, Avondale and Boone.

We highly encourage you to not only review the enclosed information, but to also contact the communities we have referenced in this submittal. They can all speak candidly to the level of service we have historically provided to them over the years. Please feel free to contact us if you require any additional information or documentation. A significantly expanded list of references may be provided beyond that enclosed, upon request.

Sincerely,

A handwritten signature in blue ink, appearing to read "J.D. Meyer", is written over a light blue circular stamp or watermark.

Jason D. Meyer, P.E.

JDM/lme
Enclosures

Section 2 – Project Approach

In reviewing the information contained within the Request for Proposals, in addition to discussions with District staff, we understand the importance and need for the District to complete this project in a timely and comprehensive manner to meet the ARPA deadline. In order to provide the District with a cost effective, efficient, thorough and timely project, we propose the following approach.

A. Preliminary Design Phase

1. A kickoff and subsequent meetings will be scheduled and held with District staff including the Bureau of Reclamation and Participants, as needed. The items to be discussed shall include, but are not limited to:
 - a) Develop an accurate definition of the standards to be used for the water delivery lines that will be used throughout the remaining spur and delivery line designs:
 - 1) Water delivery line sizing per Participant
 - 2) Valving criteria and standards
 - 3) Pipeline material standards
 - 4) Air/vacuum material standards
 - 5) Blowoff material standards
 - 6) Vault configuration and requirements that need to be contained therein
 - 7) Demarcation point of ownership between District and Participant
 - b) Review and discuss with District staff the District's standards for material to be incorporated into the project.
 - c) Discuss with District staff the coordinate system that the collected field data will be based upon and included through all delivery line design
 - d) Secure drawings of other projects undertaken on behalf of the Participants where connection points are to be made.
2. Coordinate with Participant staff for locations of Participant's utilities. Coordinate and place information request to all other private utility providers having utilities within the project area.
3. Prepare a detailed site survey from right-of-way to right-of-way or building face to building face of the water delivery line segments, including the identification of surface features, tie-downs of underground utilities located by others, tie-downs of distribution system components above grade. Undertake potholing in CDOT rights-of-way to obtain a Level A SUE certification.
4. Confirm preliminary pipeline sizing and material requirements based upon District finalizing standards for the project.

5. Define any permits required for the installation of the water delivery line. Review permitting requirements with the District for permits to be secured (CDOT and Pueblo County Utility Permit). Based on previous work within Pueblo County and reviewing their requirements, a 1041 will not be required for either Avondale or Boone delivery lines.
6. Review existing rights-of-way associated with the improvements and note any possible easements required. Confirm the improvements will occur within the platted rights-of-way and identify those areas where easements will be required.
7. Develop one set of preliminary specifications for the project. The specifications will incorporate the Pueblo County ARPA project financing requirements.
8. Coordinate with a geotechnical engineer to conduct on-site soil borings for a subsurface soils investigation.
9. Prepare preliminary designs and plans for the construction of the water system improvements on the basis of one general construction contract for each individual project.
10. Prepare a cost estimate reflecting available knowledge gained through the initial development of the final plans and specifications.

B. During the final design phase, Engineer shall:

1. Accomplish the review of the design criteria and design concepts with the District. Said review will take into account both budget considerations, current design criteria and constructability.
2. Prepare and submit necessary Basis of Design Report to CDPHE, WQCD for the incorporation of a new water source into both Avondale and Boone.
3. Complete the final design phase services including all bidding documents. The bidding documents will be formatted to accommodate one general construction contract for Avondale and Boone. Pueblo County's ARPA requirements will be integrated into the bid package associated with each individual project.
4. Prepare a cost estimate reflecting the additional knowledge gained through the development of the final plans and specifications.
5. Submit the drawings, bidding and contract documents to the District for review and to the Participants, as approved by the District.
6. Revise the plans and specifications based upon feedback from the District and the Participants, as applicable.
7. Present final plans and specifications to the District in a format desired by the District for reproduction within the District's bidding process.

C. During the bidding phase, the Engineer shall:

1. Issue bid documents for the scope of work for the Avondale and Boone projects.
2. Conduct personal and telephone conferences with bidders and provide information concerning the bidding documents.
3. Coordinate with Pueblo County representatives to determine what, if any, modifications in the form of addenda to the bidding documents are required including current Davis-Bacon wage requirements.
4. Conduct the formal bid openings on behalf of the District.
5. Prepare detailed bid tabulations of bids received. Provide recommendations to the District on award of the projects.
6. Provide feedback to District staff on any questions that have been raised that require a formal response.

D. During the construction phase, the Engineer shall:

1. Prepare contract documents for both the Avondale and Boone projects to be awarded by the District.
2. Prepare for, attend, conduct and prepare a record of proceedings for a Preconstruction Conference.
3. Prepare and submit to the District for execution the Notice to Proceeds for the individual contracts.
4. Review and comment on all contractor submittals.
5. Review applications and supporting documentation as necessary, for submittal to the District in support of Request for Payments from the general construction contractors.
6. Prepare for and attend the District's Board Meetings, as required. Provide status reports throughout the execution of the projects to the District, as required.
7. Resident Project Representative services will be provided.
8. Coordinate submittals, site visits and inspections with funding agency representatives, as required.
9. Administer the ARPA funding requirements including weekly payroll report reviews and on-site interviews for wage compliance, as required. Prepare for and assist in any field audit, as appropriate.
10. Coordinate placement of facilities into active service.

Close coordination will be maintained with District staff during the design phase to ensure that the plans and specifications developed for the projects will meet the District's needs. GMS, Inc. will provide updates to the District on a monthly basis on progress being undertaken and associated submittals, as desired by the District. The final documents are proposed to be submitted to the District no later than December 16, 2022.

Section 3 – Project Team

GMS, Inc. has assembled a team of qualified personnel to work closely with the District. Following is a list of the proposed Project Team members to work with the District.

Jason D. Meyer, P.E. will act as the principal in charge, coordinating all efforts ranging from data collection, coordination with the District, presentations, design coordination to construction management. Jason will further function as the reviewing agent on the project. He will have a direct role undertaking quality control on all documents, drawings and specifications for the project. Jason will also compile a portion of the specifications.

Thomas A. McClernan, P.E., one of our Senior Professional Engineers, will lead in the initial water system assessment and sizing of the project. Tom has undertaken over 80 reports on water systems with the majority of them being a comprehensive review of the entire water system. Tom will provide the initial layout, sizing of pipe and determine the various appurtenances that will be needed within the distribution system.

Samuel L. Wood, P.E. will serve as the design staff for the pipeline projects under Tom. Sam's role will focus on the hydraulic, meeting the water quality needs, design and calculations for both the Avondale and Boone delivery lines. Sam will work with Tom to bring a cost-effective solution to meet the goals and objectives of the District, the Participants, the Bureau of Reclamation and Pueblo County.

Ken L. White, P.L.S., a seasoned Senior Design Technician within our organization and a registered Professional Land Surveyor, will be the key player associated with the final water main system layout, defining appropriate alignments, preparing and securing any necessary permits and easements, and resolving existing utility conflicts.

Dannah M. Koeniger, P.E., with over 24 years of experience, has extensive knowledge administering funding program requirements, undertaking environmental reviews, submittals and ensuring they meet local standards and requirements. Dannah will ensure the ARPA funds are meeting the requirements of Pueblo County's agreement with the District, in addition to meeting the requirements of the Bureau of Reclamation's environmental review process. Dannah is currently assisting two other communities within Pueblo County with their ARPA contracts with the County.

Mark A. Leasure, L.S.I, will aid throughout the course of the project from providing guidance on data collection, to researching existing rights-of-way and any applicable easements to construction management. Mark will be a key player ensuring the project meets the various deadlines and requirements.

Mark G. Hornberger will serve as the on-site Resident Project Representative on the project. Mark also brings extensive experience in his capacity as a Resident Project Representative on projects of a similar nature. Furthermore, Mark is detailed on identifying and solving issues during the course of construction. Mark's communication skills keep all parties informed such that the project moves forward in a timely manner meeting the fiscal, technical and time objectives of the client. Mark has over 21 years of experience in construction management.

This team represents a group of professionals who have worked together over multiple years, undertaking projects of a similar nature that have utilized multiple funding sources, in addition to support staff. This includes administrative roles, as well as the needed surveying and AutoCAD related activities. Currently, this team is working on two projects within Pueblo County that are utilizing ARPA funding. This includes the communities of Colorado City Metropolitan District along with the Town of Boone.

Outside subconsultants for the Avondale and Boone delivery line projects will be limited to potholing needs within CDOT rights-of-way and geotechnical engineering. Potholing needs are specific for obtaining a Level A SUE Certification within CDOT corridors. The potholing work will be performed by Kinetic Industry Potholing. Geotechnical engineering will be provided by Entech Engineering.

Please see Appendix A which includes a list of GMS, Inc. staff hourly rates, together with all of the resumes for the proposed Project Team.

Section 4 – Project Experience

The broad experience and expertise across the GMS, Inc. staff spans from water, wastewater, stormwater and transportation. In regard to experience specifically related to water projects, GMS, Inc. has a strong and diverse history of such projects. We have successfully initiated and completed the design and construction of several water treatment plants (WTP), transmission lines, distribution systems, booster stations and water storage tanks, of which are similar in complexity and vary in size.

These past projects range from brand new water facilities constructed on greenfield sites, to expansions and replacements of existing facilities on constrained sites. Our experience is particularly well suited for SECWCD's Avondale and Boone delivery line projects in that our successful project history includes multiple pipeline and treatment projects. These projects have been comprised of the above identified team of professionals over the past couple of decades.

We offer the following list of some of the more recent projects that contain components and conditions similar to that of the Avondale and Boone delivery line projects.

Town of Boone - New 6" Transmission Main, Treatment Facilities and Distribution Replacement
This project encapsulated the installation of a new water source for the Town and removing them off of their existing three water sources. In order to achieve this, GMS, Inc. worked with the Town for over six years, navigating the Town through the CDPHE, WQCD requirements,

negotiations with Avondale Water and Sanitation District, holding multiple meetings with CDPHE, DOLA, RD, RCAC, Pueblo County, Avondale, and the Town, transferring their AGUA well shares to the new water source and working with AGUA to implement a revision to their augmentation plan to incorporate the new water resource. This required a concise approach to finalize the recommended alternative to meet the Town's objectives while meeting the requirements of CDPHE and the various noted stakeholders.

In order to begin this whole process, GMS, Inc. pursued funding on behalf of the Town and was successful in obtaining an \$850,000 grant through the Small Communities Grant through CDPHE, WQCD. Requirements of the grant included a specific timeline in which all funds had to be consumed. This began a significant issue as a result of having to wait for Avondale to complete their own engineering report and waiting on CDPHE, WQCD to provide various approvals. In total, GMS, Inc. had to complete the design, obtain CDPHE approval of the design, bid the project, award the project and spend approximately \$650,000 in construction within a seven-month window, which would typically take 12 months for the whole process. The grant was fully consumed with meeting all of the requirements.

The project consisted of installing approximately 10,400 lineal feet of new 6" raw water transmission line, replacement of 2,500 lineal feet of an 8" transmission line, a new treatment building including chlorination and filter treatment, and a new Arkansas River Alluvium well. Project specifics include the following:

- Client: Town of Boone
Contact: Randy Quaduor, Town Clerk or Crystal Breckenridge, Mayor
PO Box 13, Boone, CO 81025
(719) 947-3311
- Design and construction of 9,363 feet of new 6" transmission main by open cut construction
 - Design and construction of 1,015 feet of new 6" transmission main by bore and jacking and direction drilling methods across Highway 96, BNSF Railroad property, Colorado Canal and various arroyos.
 - Design and construction of 9,363 feet of replacement 8" transmission main
 - Design and construction of new chlorination facility
- Status: GMS, Inc. completed this project in September 2021.

Sheridan Lake Water District - Water System Improvements

GMS, Inc. worked with the Sheridan Lake Water District since 2009 to address an Enforcement Order for uranium above the MCL. Various alternatives were reviewed over the course of five years to define the final recommended alternative. The alternative included the purchase of new water rights from the Dakota Sandstone formation aquifer to blend the water with the Ogallala Aquifer water containing elevated uranium.

Part of this process also included the creation of a Title 32 Special District to replace the original water company for funding opportunities. Once the Special District was created, which took two years, GMS, Inc. helped secure the Dakota Sandstone water rights. This was followed by GMS, Inc. pursuing funding for the defined project.

The project consisted of installation of a new Dakota Sandstone Aquifer approximately 1,550 feet deep, replacement of approximately 5,000 lineal feet of transmission line, installation of new pH control chemical feed system, chlorination and blending controls, a new water storage tank and replacement of all of the meters for the District's customers.

Various obstacles were encountered throughout this process. A large obstacle experienced during the project included having to go through the creation of a Special District twice, due to an interpretation of a DOLA staff member, and initiating the construction of the project just before COVID-19 became a reality. Working through construction during the height of COVID-19 was another large obstacle. The original formation of the Special District compiled on a single parcel of property owned by the water company, was created by the original attorney. The end result did not provide the customers the ability to vote for Board Members or be taxed by the District. This created the need to go through the creation process again. A new attorney was obtained, new boundaries created, and the process was followed once again. This resulted in the formation of the Special District. Throughout this process, GMS, Inc. was intimately involved with the attorney, Kiowa County, DOLA and Sheridan Lake representatives.

The second issue created significant time delays, which impacted the Enforcement Order with CDPHE. GMS, Inc. help the District navigate the requirements with CDPHE to ensure compliance, while aiding the contractor in securing material along with undertaking value engineering approach to limit material delay impacts to the project.

The project consisted of drilling a new 1,590 foot deep well, well house modifications including chemical feed system, electrical, piping and valving, installing of approximately 5,000 lineal feet of new 10" water transmission line, installation of a new 14' diameter by 76' tall welded steel water storage tank, replacement of 64 meters and setters and water storage tank yard piping and valving modifications. Project specifics include the following:

- Client: Sheridan Lake Water District
Contact: Debbie Cornelius, District Administrator
PO Box 1284, Sheridan Lake, CO 81071
(719) 691-4353
- Design and construction of 1,590 foot deep Dakota Sandstone formation well
 - Design and construction of well water blending modifications, piping, valving and chemical feed
 - Design and construction of 4,979 feet of replacement 10" transmission main by open cut construction
 - Design and construction of new 14' diameter by 76' tall welded steel water storage tank with yard piping modifications and control valving
 - Replacement of 65 water meters and setters
- Status: GMS, Inc. completed this project in October 2020.

City of Trinidad – Infrastructure Phase 1 and Santa Fe Trail 24" Water Main Replacement
GMS, Inc. worked with the City of Trinidad on the design to replace 46 blocks of water main in the City's historic brick streets area. Given the overall cost of replacement, the project was broken into two different phases with additional phases remaining to be built. Detailed water modeling was undertaken that resulted in the recommendation of different flow patterns to the City's system, along with proper sized water mains.

During the Infrastructure Phase 1 design, the City of Trinidad requested GMS, Inc. to undertake the replacement design of the transmission main feeding the City’s southern side of the distribution system, which consisted of a 24” water main crossing and paralleling Interstate 25, private property, through the City’s rights-of-way and bisecting various drainages.

The Infrastructure Phase 1 project consisted of replacing 2,507 feet of 12”, 8” and 6” water mains, installation of new valves, fire hydrants, reconnection of 26 water services and removal and replacement of 1,327 square yards of historic bricks. In contrast, the Santa Fe Trail 24” Water Main Replacement project consisted of replacement of 2,650 feet of 20” water transmission main, crossing Interstate 25, replacement of 410 feet of 6” water main and connections of 14” and 12” water mains to a booster station. Project specifics include the following:

- Client: City of Trinidad
 Contact: Michael Valentine, City Administrator or Marc Vigil, Water Utility Director
 222 N. Gray Creek Road, Trinidad, CO 81082
 (719) 846-9843 Ext. 132 or (719) 846-2412
- Design of 46 blocks of water mains with the construction of 6.5 blocks including 2,507 feet of 12”, 8” and 6” water mains
 - Design and construction of 2,650 feet of replacement 20” water transmission main from an existing 24” water transmission main
 - Crossing and paralleling Interstate 25
- Status: GMS, Inc. completed this project in October 2020.

GMS, Inc., has had numerous other projects that include both the complexity and scope as contained within the Avondale and Boone delivery lines. Following are some communities where projects have been conducted on water systems within the past few years:

| | | | | |
|--|--|-------------------------------------|--------------------------------------|--------------------------------------|
| Town of Manzanola | City of Las Animas | Town of Eads | Town of Flagler | Town of Vilas |
| Cucharas Sanitation and Water District | Security Water and Sanitation District | Cascade Metropolitan District No. 1 | Donala Water and Sanitation District | City of Walsenburg |
| Town of Cokedale | Town of La Veta | Town of Limon | Town of Vona | Town of Williamsburg |
| Town of Larkspur | Town of Starkville | Town of Eads | City of Scott City | Town of Campo |
| Highland Lakes Water District | Valley Maintenance Water Company | Town of Brookside | Town of Coal Creek | Elbert Water and Sanitation District |

Section 5 – Schedule

GMS, Inc. understands the need to complete the design work by the end of December 2022, in order to meet the requirements within the ARPA funding secured by the District. This type of funding deadline is an everyday reality for GMS, Inc., which is largely due to the vast majority of our projects utilizing outside funding. Every funding source has its own set of timeline requirements, with almost all requiring funds to be utilized within a designated amount of time.

As such, GMS, Inc. has created an internal monitoring system to ensure work activities correlate to funding deadlines. This process has resulted in complete utilization of funding for our projects. This same approach will be applied here. Based on our understanding of the projects, the following initial schedule breakdown milestones to inability project to meet the December 2022 deadline.

| Scheduled Event | Date |
|---|----------------------|
| Kickoff Meeting with the District. | July 18 - 22, 2022 |
| Coordinate SUE potholing in Highway 96 and 50 combined with surveying of corridors (Avondale and Boone). | July 18 - 29, 2022 |
| Initiate right-of-way and property review to determine if additional easements are required (anticipant easements along the north portion of the Avondale alignment). | August 1 – 12, 2022 |
| Initiate acquisition of easements for identified property parcels. | August 15 – 31, 2022 |
| Initiate the design process. | August 1, 2022 |
| Initiate the cultural, environmental, and archeological clearance surveys in coordination with Reclamation (As required). | August 1, 2022 |
| Review hydraulic, final pipe sizing, alignments. | September 12, 2022 |
| Provide the District and Participants 60% drawings, specifications and cost estimate to review and provide comments. | September 30, 2022 |
| Initiate permitting requirements (CDOT, Pueblo County Application for Right-of-Way Excavation and Corps of Engineers (As required)). | September 30, 2022 |
| Prepare and submit submittals to CDPHE, WQCD (Basis of Design Report for both Avondale and Boone). Provide final design report to District. | October 31, 2022 |
| Provide the District 100% drawings, specifications and cost estimate to review and provide comments. | November 11, 2022 |

| | |
|--|-------------------|
| Prepare and provide final design report. | November 18, 2022 |
| Incorporate and final comments into bidding documents. | December 2, 2022 |
| Obtain approval from CDPHE, WQCD. | December 2022 |
| Advertise project for bid. | January 2023 |
| Bid opening. | February 2023 |
| Project award. | March 2023 |
| Initiate construction. | April 2023 |
| Complete construction. | July 2023 |

Section 6 – Project Fees

Avondale Delivery Line

GMS, Inc. provides the following breakdown for cost of services for the Avondale Delivery Line:

| | |
|---|----------|
| 1. Design Fee | \$65,100 |
| 2. Permitting (CDOT and Pueblo County) | \$9,600 |
| 3. SUE Certification Level A (CDOT Rights-of-way) | \$8,800 |
| 4. Easement | \$5,500 |
| 5. Geotechnical Engineering | \$7,500 |
| 6. Reproduction | \$1,000 |
| 7. Funding Assistance | \$7,600 |
| 8. Construction Management/Inspection | \$84,000 |

Boone Delivery Line

| | |
|---|----------|
| 1. Design Fee | \$29,500 |
| 2. Permitting (CDOT) | \$2,500 |
| 3. SUE Certification Level A (CDOT Rights-of-way) | \$5,400 |
| 4. Geotechnical Engineering | \$4,300 |
| 5. Reproduction | \$470 |
| 6. Funding Assistance | \$1,750 |
| 7. Construction Management/Inspection | \$38,200 |

A detailed breakdown for each project is attached under Appendix B for the Avondale Delivery Line and Appendix C for the Boone Delivery Line.

Appendix A – Staff Hourly Rates

The following is the hourly rate schedule and fees applicable to services rendered by GMS, Inc.

CALENDAR YEAR 2022

| | |
|--|------------|
| Principal Jason D. Meyer, P.E. David R. Frisch, P.L.S. | \$203.00 |
| Senior Professional Engineer Mark A. Morton, P.E. Thomas A. McClellan, P.E. | \$178.00 |
| Senior Design Technician Ken L. White, P.L.S. Mark A. Leasure, L.S.I. | \$165.00 |
| Professional Engineer 2 Ryan D. Cramer, P.E. Dannah M. Koeniger, P.E. Joshua B. Armstrong, P.E. | \$158.00 |
| Professional Engineer 1 Samuel L. Wood, P.E. | \$141.00 |
| Staff Engineer Erica M. Countryman Andrew P. Purgiel, E.I. Gerald J. Duncan, E.I. | \$126.00 |
| Professional Licensed Surveyor | \$129.00 |
| Design Technician Steve K. Crane | \$108.00 |
| Senior Resident Project Representative Mark G. Hornberger | \$115.00 |
| Resident Project Representative Riley E. Miller Alex J. Waterman | \$101.00 |
| Executive Assistant Lauri M. Edgar | \$ 88.00 |
| Administrative Services Megan E. Rittmeyer Lily Baker | \$ 74.00 |
| Reimbursable Expenses | Cost + 10% |

JASON D. MEYER

EDUCATION

- * Colorado State University, Ft. Collins, Colorado, B.S., Watershed Science, 1998
- * University of Colorado, Denver, Colorado, M.S., Water Resources Engineering, 2002

REGISTRATION

- * Professional Engineer: Colorado No. 40767

PROFESSIONAL EXPERIENCE

- * GMS, Inc., Consulting Engineers 2002 to present
- * Principal of the firm of GMS, Inc., Consulting Engineers 2015

Principal in charge of:

- * New 0.86 MGD mechanical wastewater treatment plant and collection system rehabilitation for the Town of La Veta, Colorado
- * Wastewater collection system rehabilitation focused on elimination of the infiltration of zinc-laden water for the Town of Silver Plume, Colorado
- * Water system evaluation with the design of 47 blocks of distribution mains ranging from 8" to 18" including design, bid and construction administration, and aid in funding administration for the City of Trinidad, Colorado
- * Evaluation of 24" transmission line including the design, bid and construction administration of the replacement transmission line for the City of Trinidad, Colorado

Project engineering, design and construction management for:

- * Submittal of extensive grant and loan funding applications for municipal, special district and nonprofit associations to various governmental funding agencies (Colorado Department of Local Affairs, Colorado Department of Public Health and Environments, Colorado Water Resources & Power Development Authority, Colorado Water Conservation Board, USDA Rural Development) including comprehensive administration of the funding agency requirements throughout the projects
- * Preparation of individual Preliminary Engineering Reports for water and wastewater system improvements for a variety of Colorado communities
- * Preparation and submission of the required Technical, Managerial and Financial Capacity Assessments for various municipalities and special districts and secure approvals from the Colorado Department of Public Health and Environment, Water Quality Control Division in support of SRF funded water projects

- * Preparation and submission of Environmental Reports for municipalities, special districts and associations on water and wastewater projects and obtaining required approvals from various governmental agencies

Partial Listing – Water Projects

Project Engineering, design and construction management of water system evaluations and design/contract administration for expansions, upgrades and replacements for the following water systems including supply, transmission, distribution, water storage and treatment related facilities:

- | | |
|----------------------------------|--------------------------------|
| * A&B Water Association | * Model Water Users Assn |
| * Agate Water Association | * Penrose Water District |
| * Town of Bethune | * Town of Olney Springs |
| * Town of Boone | * Town of Ordway |
| * Town of Branson | * Town of Pritchett |
| * Bristol Water & San District | * Sheridan Lake Water District |
| * Town of Campo | * Town of Silver Plume |
| * Cherokee Metropolitan District | * Town of Sugar City |
| * Town of Crowley | * Town of Swink |
| * Town of Eads | * City of Trinidad |
| * Town of Flagler | * Town of Vilas |
| * Town of Genoa | * Town of Vona |
| * Town of La Veta | * City of Walsenburg |
| * City of Las Animas | * Town of Walsh |
| * Town of Limon | * Town of Wiley |
| * McClave Water Association | |

Partial Listing – Wastewater Projects

Project Engineering, design and construction management of wastewater treatment facility evaluations and design/contract administration of construction, expansions, upgrades and/or replacement of the following community wastewater treatment plants, sewage lift stations and collection systems:

- | | |
|---|-------------------------------|
| * Town of Arriba | * City of Las Animas |
| * Town of Bethune | * Town of Limon |
| * Town of Boone | * Town of Manzanola |
| * Town of Campo | * Town of Olney Springs |
| * Cherokee Metropolitan District | * Town of Ordway |
| * Town of Crowley | * Otis Sanitation District |
| * Town of Deer Trail | * Penrose Sanitation District |
| * Town of Eads | * Town of Pritchett |
| * Town of Flagler | * Town of Seibert |
| * Flagler Sanitation District | * Town of Silver Plume |
| * Gardner Water and Sanitation Improvement District | * Town of Springfield |
| * Town of Genoa | * Town of Stratton |
| * Town of Kit Carson | * Town of Sugar City |
| * Town of La Veta | * Town of Simla |
| | * City of Walsenburg |

EDUCATION

- * University of Colorado, B.S., Civil Engineering, 1981
- * University of Colorado, M.S., Civil Engineering (Water Resources), 1987

REGISTRATION

- * Professional Engineer: Colorado

PROFESSIONAL EXPERIENCE

- * GMS, Inc., Consulting Engineers 1994 to Present

Project Engineer for the design and preparation of construction documents for:

- * Town of Limon new 2.0 MGD water treatment plant using upflow clarification and filtration
- * Academy Water & Sanitation District new 175 gpm water treatment plant using upflow clarification and filtration
- * Town of La Veta 1.5 MGD water treatment plant process conversion to upflow clarification
- * Donala Water & Sanitation District capacity expansion for two existing water treatment plants
- * Granada Water District new water treatment plant using pressure filters
- * Town of Cheraw new water treatment plant using pressure filters and well blending
- * Town of Wiley replacement of existing water treatment filtration equipment
- * Town of Monument new 350 gpm water treatment plant using pressure filters
- * Town of Silver Plume new 175 gpm water treatment plant using membrane filtration
- * Town of Boone new water treatment plant using ion-exchange for nitrate removal
- * City of Las Animas water treatment plant capacity expansion using reverse osmosis membranes
- * Town of Kit Carson new 125 gpm water treatment plant using pressure filters and reverse osmosis membranes

- * Colorado Department of Corrections wastewater treatment plant using lagoons for treatment and land application for disposal
- * Town of Akron wastewater booster pump station
- * Security Sanitation District new wastewater digester covers and dechlorination facilities
- * Design and preparation of contract documents of architectural, mechanical, site work, and control elements for new Cherokee Metropolitan District 4.8 MGD wastewater treatment facility

Prepared individual Preliminary Engineering Reports for water system improvements and wastewater system improvements for numerous cities, towns, water districts, sanitation districts and associations

- * Metcalf & Eddy, Inc. 1987 to 1994

Project Engineer for:

- * Design and permitting of Newport Sakonnet River project which includes 15 mgd pumping station and 4.3 mile, 24-inch pipeline, one mile of which is an ocean crossing
- * Design and construction services of 11,000 feet of 60-inch diameter pipeline and a 9 million gallon water tank in Westbrook, Maine
- * Flood analysis and design of improvements for Kettlebrook Reservoir Nos. 3 and 4 and Holden Reservoir No. 2 for Worcester, Massachusetts
- * Design and construction of 9 MGD water treatment plant in Newport, Rhode Island
- * Hydraulic analyses of manmade and natural drainage channels for flow capacity and stability determination; design of storm drains, channels, culverts, special structures, and channel bank riprap for construction; systems models using hydrologic and hydraulic programs such as HEC-1, HEC-2, HMR-52, SWMM, CUHP and TR-20
- * Hypolimnetic reservoir aeration system design for North Adams, Massachusetts
- * Three water supply reservoir dams in Rockport, Massachusetts; prepared detailed design report including technical analysis of static and seismic stability, seepage, hydrology and hydraulics, and earthwork and foundation treatment; directed extensive permitting process; prepared construction and contract documents

- * KLH Engineering Consultants, Inc. 1983 to 1987
- * W. R. Grace, Mining Division 1981 to 1982

EDUCATION

- * University of Wyoming, Laramie, Wyoming, B.S. Civil Engineering, 2008

REGISTRATION

- * Professional Engineer: Colorado No. 60152
Kansas No. 28748
Wyoming No. 18971

PROFESSIONAL EXPERIENCE

- * **GMS, Inc., Consulting Engineers** November 2017 to present

Project planning, engineering, design, and construction management and administration for:

- * City of Alamosa Sanitary Sewer Collection System and Lift Station Preliminary Engineering Report.
- * Upper Monument Creek Regional Wastewater Treatment Facility upgrade and expansion design, preparation of construction documents
- * Security Sanitation District Wastewater Treatment Facility upgrade and expansion design, preparation of construction documents

Resident Representative/Engineering Design Technician

- * City of Trinidad: Water system modeling the southern portion of the City's distribution system for the Phase I Water System Infrastructure project and the 24" transmission line conveying water from the Jansen tank to the Southern Pump Station
 - * City of Walsenburg: Water system modeling the entire distribution system for projected growth nodes
 - * Donala Water and Sanitation District: Modeling the entire District's distribution system
 - * Academy Water and Sanitation District: On-site Resident Project Representative
 - * Donala Water and Sanitation District: On-site Resident Project Representative
- * **Nunn Construction** February 2016 to November 2017

Assistant Superintendent

- * Estimating and bidding of multiple projects including Sacred Heart Catholic Church remodel and a new elementary school for Academy School District 20
- * Superintendent for an interior remodel, creating a pharmacy within Rocky Mountain Health Care
- * Managed the construction of a new synthetic football field and running track for Broomfield Heights Middle School, including irrigation and drainage systems

* Henderson Mill May 2004 to January 2016

Tailings/Civil Engineer II

- * Managed the construction of Henderson tailings dams, including deposition and water management
- * Design and accounting of 4.5 million cubic yards of topsoil relocation needed for final reclamation; Design, management and implementation of 5-mile-long haul road used to relocate topsoil
- * Managed, designed and prepared budget for construction of a PVC liner as seepage mitigation to prevent environmental spills
- * Managed the design and construction of Henderson Well Field phased project of extraction wells

Tailings/Civil Engineer I

- * Designed and managed a construction crew for various projects, including ultimate canal restoration, emergency Tailings Delivery Line replacement, and demolition of the abandoned trestle
- * Managed the construction of Henderson tailings dams, including deposition and water management

Process Engineer I

- * Assistant to the Senior Project Manager overseeing the ore pile cover project. Worked directly with contractors to erect steel structure to contain the dust created by ore storage
- * Managed contractors replacing roof system over packing dock; Designed and installed grating on conveyor system to protect roof system

Intern

- * Analyzed samples of ore to determine grade for Henderson mine
- * Worked with survey crew underground and on Henderson tailings area

Laborer

- * Worked on various projects operating heavy equipment

COMMUNITY ACTIVITIES

New Life Church – Section Host

EDUCATION

- * University of Southern Colorado, B.S., Civil Engineering Technology, 1979-1983

REGISTRATION

- * Professional Land Surveyor: Colorado Registration No. 25382, Effective January 1988

PROFESSIONAL EXPERIENCE

- * GMS, Inc., Consulting Engineers May 1990 to present

Pipeline route selection, surveying, easement and permit preparation, project design, project management and construction administration for the following clients:

- * Cherokee Metropolitan District: 4.8 MGD Wastewater Treatment Facility
- * Town of Limon: Sanitary sewer force main, water transmission line and pedestrian/bicycle path design
- * City of Colorado Springs: Colorado Avenue Gateway, Boulder Street storm Sewer, Ivywild sidewalk improvements - Phase 4 and Southwest Water Project - Segment 3
- * City of Cripple Creek: Water transmission line replacement, Bennett Avenue water main replacement, Wastewater treatment plant improvements, Public Works Complex, Gillett Well Field transmission line, Bennett Avenue street improvements, Court House storm sewer, Myers Avenue sanitary sewer, water treatment and water storage facility,
- * City of Fountain: Iowa Avenue railroad crossing
- * Fountain Sanitation District: Jimmy Camp Creek Sanitary Sewer Outfall
- * Town of Campo: Sanitary sewer collection system, wastewater treatment facility, and water system improvements
- * Town of Deer Trail: Sanitary sewer collection system and water system improvements
- * Town of Flagler: Water system and wastewater treatment facility improvements
- * City of Las Animas: Water, wastewater and storm sewer system improvements
- * Town of Manzanola: Wastewater treatment plant expansion, water and wastewater system improvements and bridge replacement
- * Town of Boone: Wastewater treatment plant expansion, water system improvements and sanitary sewer system improvements

Partial Listing – Water Projects

- * Town of Akron
- * Town of Arriba
- * Town of Brookside
- * Cascade Metropolitan District No. 1
- * Town of Crowley
- * Town of Eads
- * Town of Gardner
- * Town of Kim
- * Town of Kit Carson
- * Penrose Water District
- * Town of Pritchett
- * Town of Springfield
- * Town of Starkville
- * Town of Swink
- * City of Trinidad
- * Town of Two Buttes
- * Town of Vilas
- * City of Walsenburg
- * Town of Walsh
- * Town of Wiley

Partial Listing – Wastewater Projects

- * Town of Akron
- * Town of Crowley
- * Town of Gardner
- * Town of Kit Carson
- * Town of La Veta
- * Town of Pritchett
- * Town of Olney Springs
- * Town of Ordway
- * Otis Sanitation District
- * Palmer Lake Sanitation District
- * Town of Silver Plume
- * Town of Springfield
- * Town of Vilas
- * City of Walsenburg

- * W. K. Clark and Associates May 1983 to May 1990
 Director of surveying and computations for all phases of work in the surveying firm
- * Adams, Owens and Mangini Land Surveying June 1979 to May 1983
 Survey party chief for all phases of land and construction surveying
- * Schmueser and Associates, Inc. Summers while attending college in 1981 and 1982
 Survey party chief for construction and layout of the Parachute Colorado oil shale development. Established section and township boundaries for Union Oil ownership utilizing a helicopter
- * Underground Construction Company, Inc. March 1980 - August 1980
 Survey party chief for construction layout of Fountain Valley 42-inch water pipeline from Pueblo to Colorado Springs

EDUCATION

- * Colorado State University, B.S., Civil Engineering, 1998

REGISTRATION

- * Professional Engineer: Colorado No. 37106

PROFESSIONAL EXPERIENCE

- * GMS, Inc., Consulting Engineers October 2016 to Present

Funding Manager for all GMS, Inc. projects:

- * Coordination with all GMS, Inc. clients and their active projects for participation in the State Revolving Fund process including prequalification, Project Needs Assessment, Environmental Assessment, and loan application
- * Coordinate and review of annual eligibility surveys for our clients' inclusion in the State's Intended Use Plan
- * Submittal of extensive grant funding applications for municipal, special district and nonprofit associations to various governmental funding agencies (Colorado Department of Local Affairs, Colorado Department of Public Health and Environments, Colorado Water Resources & Power Development Authority, Colorado Water Conservation Board)
- * Administration of the grant requirements throughout the project duration including quarterly reporting and grant closeout requirements

Project Engineer for:

- * Cascade Metropolitan District No. 1: design of water distribution system improvements, coordination with various agencies for permitting, and coordination for easement acquisition per Colorado Springs Utilities requirements.
 - * City of Trinidad: design of water distribution system improvements.
 - * Huerfano County Water Conservancy District: expert financial witness regarding financial feasibility for a five reservoir project encompassing a 50-year planning period
 - * Fountain Sanitation District, and Donala Water and Sanitation District: User rate studies which included a financial analysis and customer utilization.
- * Engineering Ministries International, October 2003 to December 2014

Project Leader/Director of the Intern Program:

- * Led short term professional engineering and architecture volunteer teams for service with national clients in various countries around the world. Design

included the master plan, water supply, and wastewater treatment of medical clinics, children's homes, and training facilities.

- * Directed and administered EMI's worldwide intern program which facilitated 90 interns per year for 7 years.

* URS Corporation

May 1999 to October 2003

Project Engineer

- * Hydraulic modeling using WaterCAD
- * Colorado Springs Utilities: project engineer for the following projects: McCullough 5 MG Reservoir, 24" Briargate Water Line and Briargate Pump Station and Reservoir.

MARK A. LEASURE

EDUCATION

- * University of Northern Colorado, Greeley, Colorado, B.S. Business Management, 1983

REGISTRATION

- * Land Surveyor Intern: Colorado

PROFESSIONAL EXPERIENCE

- * GMS, Inc., Consulting Engineers August 2006 to present

Resident Representative/Engineering Design Technician

- * Penrose Water District - Resident project representative services and surveying for over 30,000 feet of 12-inch water transmission line, installation of four new wells, pump house with associated water storage tank, discharge structure into reservoir and modifications to ditch headgate
- * Cherokee Metropolitan District - Resident project representative services and surveying for Construction observation and field surveying on Duncan Well Water Transmission Line
- * Town of Boone: Resident project representative and field surveying for water distribution system improvements, tank rehabilitation and new water treatment plant
- * Town of Rockvale: Resident project representative services and surveying for 15,500 feet of water transmission line, rehabilitation of six wells with infiltration piping and rehabilitation of existing raw water storage facility
- * Town of Silver Plume: Resident project representative and surveying services for significant sanitary sewage collection system replacements
- * Town of Kim: Resident project representative and surveying on 29,500 LF of transmission line, communitywide meter pit assembly replacements, booster station and bolted steel water storage tank
- * Penrose Sanitation District: Resident project representative and surveying services for wastewater collection system replacement
- * Town of Haswell: Resident project representative on water treatment plant for nitrate removal
- * Bristol Water and Sanitation District: Resident project representative and surveying services for water distribution system replacements, new bolted steel water storage tank, booster station modifications and interconnection to additional well

- * Town of Pritchett: Resident project representative and surveying services on water distribution system improvements, multiple well rehabilitations, treatment rehabilitation and new welded steel water storage standpipe
- * McClave Water Association: Resident project representative and surveying services on 18,000 LF of water transmission line replacement and appurtenances
- * City of Fountain: Resident project representative on Venetucci Well Improvements including re-equipping existing wells, yard piping, bolted steel water storage tank and new well building
- * Fountain Sanitation District: Resident project representative on a variety of wastewater collection system improvements
- * Security Water District: Resident project representative on new well buildings including piping, metering and appurtenances
- * City of Fountain: Resident project representative on new well buildings including piping, metering and appurtenances
- * Fountain Sanitation District: Resident project representative on wastewater treatment plant improvements and collection system and interceptor sewer improvements
- * Donala Water and Sanitation District: Resident project representative on Northgate pump station improvements
- * Perform Field Surveying and Design Technician Services: Worked on a multitude of water and wastewater projects for municipal and special district clients

- * Colorado Springs Sky Sox 1988-2006
Senior VP of Stadium Operations/Head Groundskeeper
 - * Design, manage, and implement turf maintenance program for the field, surrounding landscape, and unpaved parking lots
 - * Develop and monitor budget for all stadium projects
 - * Oversee stadium construction projects
 - * Sell advertising packages during the off-season
 - * Develop and maintain advertising relationships with stadium sponsors
 - * Supervise a staff of 12, as well as assist with stadium staff

- * School District 11, Colorado Springs, Colorado 2002-present
Licensed Substitute Teacher

MARK G. HORNBERGER

EDUCATION

- * University of Colorado at Colorado Springs, B.S., Accounting, 1985
- * National Institute for Automotive Service Excellence (ASE), Parts Specialist, 2001

PROFESSIONAL EXPERIENCE

- * **GMS, Inc., Consulting Engineers** March 2001 to present

Resident Project Representative for:

- * **Town of Genoa:** Water treatment plant and distribution line improvements, infiltration galleries, welded steel water storage tank, new water well and 26,000 LF transmission line replacement
- * **Town of Sugar City:** Water distribution system improvements, installation of remote read meters, welded steel water storage tank, 3 new water wells
- * **Town of Silver Plume:** Water distribution system improvements, installation of remote read meters, new PALL water treatment plant, insulation of existing water storage tank, SCADA system
- * **Town of Boone:** Wastewater system improvements including sanitary sewer collection system replacements and new piping, sewage lift station installation and associated force main and wastewater treatment facility upgrades including biosolids removal, cleaning, reshaping and lining existing stabilization cells, new wetlands and chlorination system prior to discharge
- * **Town of Kit Carson:** Water distribution system improvements, new R.O. water treatment plant, SCADA system, wastewater treatment facility improvements including biosolids removal, cleaning, reshaping, and lining of existing stabilization cells, new wetlands, transfer pump station and chlorination system prior to discharge
- * **City of Las Animas:** Water distribution system improvements, upgrades to R.O. plant, two (2) new water wells; wastewater collection system improvements, new lift station, upgrades to existing lift station
- * **Cucharas Sanitation & Water District:** Water distribution system and wastewater collection system improvements in the Pinehaven Subdivision
- * **Prosperity Lane Water and Sanitation District:** Wastewater collection system improvements, low pressure sanitary sewer collection system with individual grinder pumps at each residence
- * **Town of Gardner:** Water and Wastewater plant improvements including cleaning, reshaping and lining of existing cells, new aeration equipment, new wetlands and

chlorination system prior to discharge, and installation of remote read meters, Bolted steel water storage tank, work in both well houses

Partial Listing – Water Projects

- | | |
|---------------------------------------|----------------------|
| * A&B Water Association | * Town of Monument |
| * Town of Branson | * Town of Ordway |
| * Cascade Metropolitan District No. 1 | * Town of Swink |
| * Town of Cascade | * Town of Vilas |
| * Town of Elbert | * City of Walsenburg |
| * Town of La Veta | * Town of Wiley |

Partial Listing – Wastewater Projects

- | | |
|----------------------------------|--------------------------------|
| * Town of Arriba | * Town of Eads |
| * Town of Boone | * Town of La Veta |
| * Town of Buena Vista | * Monument Sanitation District |
| * Cherokee Metropolitan District | * Town of Ordway |
| * Town of Crowley | * Penrose Sanitation District |

Partial Listing – Instrument Person for Topographical Surveys

- | | |
|--------------------------------------|---------------------------------|
| * Academy Water & San. District | * Highland Lakes Water District |
| * Cherokee Metropolitan District | * Town of Kit Carson |
| * Cucharas San. & Water District | * City of Las Animas |
| * Donala Water & Sanitation District | * Penrose Sanitation District |
| * Fountain Sanitation District | * Town of Stratton |
| * Town of Genoa | * City of Walsenburg |

- * Firebaugh Precast Dispatch/Sales 1998-2001
 - * Dispatch trucks
 - * Sales of precast concrete products to contractors and general public

- * Transit Mix Concrete, Daniels Sand Division 1980-1998
 - Sand Division Manager, Truck Driver, Bulk Cement Truck Driver, Tire Specialist
 - * Supervise all sand division drivers
 - * Sales to general public, and contractors
 - * Dispatching of all sand division and lease trucks
 - * Operation of sand pit scale house
 - * Safety lead man for sand division drivers

PROFESSIONAL ACTIVITIES

Cimarron Hills Fire Department – Volunteer Fire Fighter, Fire Fighter II Certification

COMMUNITY ACTIVITIES

Ballooning Society of Pikes Peak – Past President, Vice-President, Treasurer
 Red Cross – Past Advanced First Aid and CPR Instructor

Appendix B - Avondale Delivery Line

PROFESSIONAL FEE ESTIMATE

PROJECT: Avondale Delivery Line RFP

CLIENT: SECWCD

DATE: June 7, 202222

Design Engineering

| ITEM DESCRIPTION | MANHOURS BY CLASSIFICATION | | | | | | | | | | | Description | EXPENSES | TOTAL FEE | | | | | |
|--|----------------------------|-------------|------------|--------------|-----------|----------------|-------------|-------------|-----------|---------------------|-------------|-------------|----------|-------------------|-----------|--|--|--------------|--------------|
| | PRINCIPAL | SR PROF ENG | PROF ENG 2 | PROF ENG 1 | STAFF ENG | SR DESIGN TECH | DESIGN TECH | SR. RES REP | RES REP | EXECUTIVE ASSISTANT | CLERICAL | | | | | | | | |
| A Project Kickoff Conference | 4 | 3 | | | | 3 | | | | | | | | | | | | | |
| Contracting | 2 | | | | | | | | | | | 2 | | Travel | \$ 59.09 | | | | |
| | | | | | | | | | | | | | | Printing | \$ 15.00 | | | | |
| TOTAL HOURS | 6 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 74 | | | | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | 110% | | | | | | | |
| Total Fee for Labor Classification | \$ 1,218.00 | \$ 534.00 | \$ - | \$ - | \$ - | \$ 495.00 | \$ - | \$ - | \$ - | \$ - | \$ 148.00 | \$ - | \$ - | \$ - | \$ 81.49 | | | \$ 2,476.49 | |
| B Pre-design Survey | 2 | 1 | | | | 20 | 40 | | | | | | | Travel | \$ 365.63 | | | | |
| Office data download and terrain model compilation | 0.5 | | | | | 5 | 16 | | | | | | | Meals | \$ 100.00 | | | | |
| SUE Notifications (Level C) | | | | | | 10 | 5 | | | | | | | Survey Mat. | \$ 250.00 | | | | |
| TOTAL HOURS | 3 | 1 | 0 | 0 | 0 | 35 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 716 | | | | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | 110% | | | | | | | |
| Total Fee for Labor Classification | \$ 507.50 | \$ 178.00 | \$ - | \$ - | \$ - | \$ 5,775.00 | \$ 6,588.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 787.19 | | | \$ 13,835.69 | |
| C Pipeline alignment layout and design | 1 | 10 | | 80 | | 50 | | | | | | | | | | | | | |
| Design Team Conference | 1 | 2 | | | | 2 | | | | | | | | | | | | | |
| Specifications | 30 | 10 | | 10 | | | | | | | 40 | | | | | | | | |
| TOTAL HOURS | 32 | 22 | 0 | 90 | 0 | 52 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | | | | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | 110% | | | | | | | |
| Total Fee for Labor Classification | \$ 6,496.00 | \$ 3,916.00 | \$ - | \$ 12,690.00 | \$ - | \$ 8,580.00 | \$ - | \$ - | \$ - | \$ - | \$ 2,960.00 | \$ - | \$ - | \$ - | \$ - | | | \$ 34,642.00 | |
| D Water quality review and design | 1 | 5 | | 20 | | | | | | | | | | | | | | | |
| Design Team Conference | 2 | 2 | | 2 | | | | | | | 10 | | | | | | | | |
| TOTAL HOURS | 3 | 7 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | | | | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | 110% | | | | | | | |
| Total Fee for Labor Classification | \$ 609.00 | \$ 1,246.00 | \$ - | \$ 3,102.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 740.00 | \$ - | \$ - | \$ - | \$ - | | | \$ 5,697.00 | |
| E Team Meetings with District, Reclamation, Participant Right-of-Way and Easement Verification | 5 | 5 | | | | 20 | | | | | | | | UTC | \$ 150.00 | | | | |
| TOTAL HOURS | 6 | 5 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150 | | | | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | 110% | | | | | | | |
| Total Fee for Labor Classification | \$ 1,218.00 | \$ 890.00 | \$ - | \$ - | \$ - | \$ 3,300.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 165.00 | | | \$ 5,573.00 | |
| G Pre-design Report | 3 | 5 | | | 20 | | | | | | 15 | 10 | | Printing/Plotting | \$ 250.00 | | | | |
| | | | | | | | | | | | | | | Printing/Plotting | \$ 250.00 | | | | |
| TOTAL HOURS | 3 | 5 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 15 | 10 | 0 | 500 | | | | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | 110% | | | | | | | |
| Total Fee for Labor Classification | \$ 609.00 | \$ 890.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 740.00 | \$ - | \$ - | \$ 550.00 | | | | \$ 2,789.00 | |
| TOTAL HOURS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | 110% | | | | | | | |
| Total Fee for Labor Classification | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | | | | |
| TOTAL FEE | | | | | | | | | | | | | | | | | | | \$ 65,013.18 |

PERMITS

| ITEM DESCRIPTION | MANHOURS BY CLASSIFICATION | | | | | | | | | | | Description | EXPENSES | TOTAL FEE | | | | | |
|------------------------------------|----------------------------|-------------|------------|------------|-----------|----------------|-------------|-------------|-----------|---------------------|-----------|-------------|----------|-----------|------|--|--|-------------|-------------|
| | PRINCIPAL | SR PROF ENG | PROF ENG 2 | PROF ENG 1 | STAFF ENG | SR DESIGN TECH | DESIGN TECH | SR. RES REP | RES REP | EXECUTIVE ASSISTANT | CLERICAL | | | | | | | | |
| A CDOT Permitting | 0.5 | 3 | | | | 25 | | | | | 5 | 7 | | | | | | | |
| Pueblo County Permitting | 1 | 3 | | | | 20 | | | | | 5 | 5 | | | | | | | |
| TOTAL HOURS | 1 | 6 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | | | | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | 110% | | | | | | | |
| Total Fee for Labor Classification | \$ 203.00 | \$ 1,068.00 | \$ - | \$ - | \$ - | \$ 7,425.00 | \$ - | \$ - | \$ - | \$ - | \$ 888.00 | \$ - | \$ - | \$ - | \$ - | | | \$ 9,584.00 | |
| TOTAL FEE | | | | | | | | | | | | | | | | | | | \$ 9,584.00 |

SUE Certification Level A

| ITEM DESCRIPTION | MANHOURS BY CLASSIFICATION | | | | | | | | | | | Description | EXPENSES | TOTAL FEE | | | | | |
|------------------------------------|----------------------------|-------------|------------|------------|-----------|----------------|-------------|-------------|-----------|---------------------|----------|-------------|----------|-------------|--|--|--|-------------|-------------|
| | PRINCIPAL | SR PROF ENG | PROF ENG 2 | PROF ENG 1 | STAFF ENG | SR DESIGN TECH | DESIGN TECH | SR. RES REP | RES REP | EXECUTIVE ASSISTANT | CLERICAL | | | | | | | | |
| A SUE Coordination | | | | | | 15 | | | | | | | | | | | | | |
| TOTAL HOURS | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,750 | | | | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | 110% | | | | | | | |
| Total Fee for Labor Classification | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 2,475.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 6,325.00 | | | | \$ 8,800.00 | |
| TOTAL FEE | | | | | | | | | | | | | | | | | | | \$ 8,800.00 |

Easements

| ITEM DESCRIPTION | MANHOURS BY CLASSIFICATION | | | | | | | | | | | | Description | EXPENSES | TOTAL FEE | | |
|------------------------------------|----------------------------|-------------|------------|------------|-----------|----------------|-------------|-------------|-----------|---------------------|-----------|------|-------------|----------|-----------|------|-------------|
| | PRINCIPAL | SR PROF ENG | PROF ENG 2 | PROF ENG 1 | STAFF ENG | SR DESIGN TECH | DESIGN TECH | SR. RES REP | RES REP | EXECUTIVE ASSISTANT | CLERICAL | | | | | | |
| A Property Ownership/deeds review | | | | | | 9 | | | | | | | | | | | |
| Easement preparation | | | | | | 15 | 8 | | | | | 8 | | | | | |
| TOTAL HOURS | 0 | 0 | 0 | 0 | 0 | 24 | 8 | 0 | 0 | | | 8 | 0 | 0 | | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | | | 110% | | | |
| Total Fee for Labor Classification | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 3,960.00 | \$ 864.00 | \$ - | \$ - | \$ - | \$ 592.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 5,416.00 |
| TOTAL FEE | | | | | | | | | | | | | | | | | \$ 5,416.00 |

Geotechnical Engineering

| ITEM DESCRIPTION | MANHOURS BY CLASSIFICATION | | | | | | | | | | | | Description | EXPENSES | TOTAL FEE | | |
|---|----------------------------|-------------|------------|------------|-----------|----------------|-------------|-------------|-----------|---------------------|----------|------|-------------|-------------|-----------|------|-------------|
| | PRINCIPAL | SR PROF ENG | PROF ENG 2 | PROF ENG 1 | STAFF ENG | SR DESIGN TECH | DESIGN TECH | SR. RES REP | RES REP | EXECUTIVE ASSISTANT | CLERICAL | | | | | | |
| A Coordination with geotechnical engineer | | | | | | 8 | | | | | | | | | | | \$ 5,250.00 |
| TOTAL HOURS | 2 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | | | 0 | 0 | 5,250 | | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | | | 110% | | | |
| Total Fee for Labor Classification | \$ 406.00 | \$ - | \$ - | \$ - | \$ - | \$ 1,320.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 5,775.00 | \$ - | \$ - | \$ 7,501.00 |
| TOTAL FEE | | | | | | | | | | | | | | | | | \$ 7,501.00 |

Reproduction

| ITEM DESCRIPTION | MANHOURS BY CLASSIFICATION | | | | | | | | | | | | Description | EXPENSES | TOTAL FEE | | |
|------------------------------------|----------------------------|-------------|------------|------------|-----------|----------------|-------------|-------------|-----------|---------------------|----------|------|-------------|----------|-----------|------|-------------|
| | PRINCIPAL | SR PROF ENG | PROF ENG 2 | PROF ENG 1 | STAFF ENG | SR DESIGN TECH | DESIGN TECH | SR. RES REP | RES REP | EXECUTIVE ASSISTANT | CLERICAL | | | | | | |
| A Outside reproduction services | | | | | | | | | | | | 1 | 1 | | | | \$ 850.00 |
| TOTAL HOURS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 1 | 0 | 850 | | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | | | 110% | | | |
| Total Fee for Labor Classification | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 74.00 | \$ - | \$ 935.00 | \$ - | \$ - | \$ - | \$ 1,009.00 |
| TOTAL FEE | | | | | | | | | | | | | | | | | \$ 1,009.00 |

Funding Assistance

| ITEM DESCRIPTION | MANHOURS BY CLASSIFICATION | | | | | | | | | | | | Description | EXPENSES | TOTAL FEE | | |
|------------------------------------|----------------------------|-------------|-------------|------------|-----------|----------------|-------------|-------------|-----------|---------------------|-----------|------|-------------|----------|-----------|------|-------------|
| | PRINCIPAL | SR PROF ENG | PROF ENG 2 | PROF ENG 1 | STAFF ENG | SR DESIGN TECH | DESIGN TECH | SR. RES REP | RES REP | EXECUTIVE ASSISTANT | CLERICAL | | | | | | |
| A Certified Payroll Review | | | 8 | | | | 30 | | | | | 5 | 5 | | | | \$ 850.00 |
| Interviews | | | | | | | | | | | | 2 | 2 | | | | |
| Quarterly reports | | | 4 | | | | | | | | | | | | | | |
| TOTAL HOURS | 0 | 0 | 12 | 0 | 0 | 0 | 30 | 8 | 0 | | | 7 | 0 | 850 | | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | | | 110% | | | |
| Total Fee for Labor Classification | \$ - | \$ - | \$ 1,896.00 | \$ - | \$ - | \$ - | \$ 3,240.00 | \$ 920.00 | \$ - | \$ - | \$ 518.00 | \$ - | \$ 935.00 | \$ - | \$ - | \$ - | \$ 7,509.00 |
| TOTAL FEE | | | | | | | | | | | | | | | | | \$ 7,509.00 |

Construction Management/Inspection Fees

| ITEM DESCRIPTION | MANHOURS BY CLASSIFICATION | | | | | | | | | | | | Description | EXPENSES | TOTAL FEE | | |
|--|----------------------------|-------------|------------|-------------|-----------|----------------|--------------|-------------|-----------|---------------------|-------------|------|-------------|----------|-----------|------|--------------|
| | PRINCIPAL | SR PROF ENG | PROF ENG 2 | PROF ENG 1 | STAFF ENG | SR DESIGN TECH | DESIGN TECH | SR. RES REP | RES REP | EXECUTIVE ASSISTANT | CLERICAL | | | | | | |
| A Construction bidding administration | 5 | 5 | | | | 24 | | | | | | 5 | | | | | \$ 850.00 |
| Preconstruction Meeting | 1 | | | | | 8 | 5 | | | | | | 2 | | | | |
| Submittal review | | 5 | | 40 | | 10 | | | | | | | 40 | | | | |
| Construction observation | 8 | 8 | | 8 | | 39 | 390 | | | | | | | | | | |
| Contractor pay request and recommend for payment | 4 | | | | | 6 | | | | | | | 3 | | | | |
| Start-up and testing | 2 | | | 20 | | 20 | 20 | | | | | | 5 | | | | |
| TOTAL HOURS | 20 | 18 | 0 | 68 | 0 | 107 | 415 | 0 | 0 | | | 50 | 0 | 850 | | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | | | 110% | | | |
| Total Fee for Labor Classification | \$ 4,060.00 | \$ 3,204.00 | \$ - | \$ 9,588.00 | \$ - | \$ 17,655.00 | \$ 44,820.00 | \$ - | \$ - | \$ - | \$ 3,700.00 | \$ - | \$ 935.00 | \$ - | \$ - | \$ - | \$ 83,962.00 |
| TOTAL FEE | | | | | | | | | | | | | | | | | \$ 83,962.00 |

Appendix C - Boone Delivery Line

PROJECT: Boone Delivery Line RFP

CLIENT: SECWCD

DATE: June 7, 202222

Design Engineering

| ITEM DESCRIPTION | MANHOURS BY CLASSIFICATION | | | | | | | | | | | Description | EXPENSES | TOTAL FEE | | |
|---|----------------------------|-------------|------------|-------------|-----------|----------------|-------------|-------------|-----------|---------------------|-------------|-------------|----------|-------------------|-----------|--------------|
| | PRINCIPAL | SR PROF ENG | PROF ENG 2 | PROF ENG 1 | STAFF ENG | SR DESIGN TECH | DESIGN TECH | SR. RES REP | RES REP | EXECUTIVE ASSISTANT | CLERICAL | | | | | |
| A Project Kickoff Conference | 4 | 3 | | | | 3 | | | | | | | | Travel | \$ 59.09 | |
| Contracting | 2 | | | | | | | | | | | 2 | | Printing | \$ 15.00 | |
| TOTAL HOURS | 6 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | | 2 | 0 | | 74 | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | | | | 110% | |
| Total Fee for Labor Classification | \$ 1,218.00 | \$ 534.00 | \$ - | \$ - | \$ - | \$ 495.00 | \$ - | \$ - | \$ - | \$ - | \$ 148.00 | \$ - | \$ - | \$ - | \$ 81.49 | \$ 2,476.49 |
| B Pre-design Survey | 1 | 1 | | | | 4 | 10 | | | | | | | Travel | \$ 87.17 | |
| Office data download and terrain model compilation | | | | | | 2 | 6 | | | | | | | Meals | \$ 20.00 | |
| SUE Notifications (Level C) | | | | | | 5 | 5 | | | | | | | Survey Mat. | \$ 50.00 | |
| TOTAL HOURS | 1 | 1 | 0 | 0 | 0 | 11 | 21 | 0 | 0 | | 0 | 0 | 0 | | 157 | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | | | | 110% | |
| Total Fee for Labor Classification | \$ 203.00 | \$ 178.00 | \$ - | \$ - | \$ - | \$ 1,815.00 | \$ 2,268.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 172.88 | \$ 4,636.88 |
| C Pipeline alignment layout and design | 1 | 5 | | 10 | | 30 | 5 | | | | | | | | | |
| Design Team Conference | 1 | 1 | | | | 1 | | | | | | | | | | |
| Specifications | 5 | 5 | | 20 | | | | | | | | 40 | | | | |
| TOTAL HOURS | 7 | 11 | 0 | 30 | 0 | 31 | 5 | 0 | 0 | | 40 | 0 | 0 | | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | | | | 110% | |
| Total Fee for Labor Classification | \$ 1,421.00 | \$ 1,958.00 | \$ - | \$ 4,230.00 | \$ - | \$ 5,115.00 | \$ 540.00 | \$ - | \$ - | \$ - | \$ 2,960.00 | \$ - | \$ - | \$ - | \$ - | \$ 16,224.00 |
| D Water quality review and design | 1 | 5 | | 10 | | | | | | | | 10 | | | | |
| TOTAL HOURS | 1 | 5 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | | 10 | 0 | 0 | | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | | | | 110% | |
| Total Fee for Labor Classification | \$ 203.00 | \$ 890.00 | \$ - | \$ 1,410.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 740.00 | \$ - | \$ - | \$ - | \$ - | \$ 3,243.00 |
| E Team Meetings with District, Reclamation, Participant | 3 | 3 | | | | 3 | | | | | | | | | | |
| TOTAL HOURS | 3 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | | 0 | 0 | 0 | | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | | | | 110% | |
| Total Fee for Labor Classification | \$ 609.00 | \$ 534.00 | \$ - | \$ - | \$ - | \$ 495.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,638.00 |
| G Pre-design Report | 1 | 3 | | | 10 | | | | | | 5 | 5 | | Printing/Plotting | \$ 50.00 | |
| | | | | | | | | | | | | | | Printing/Plotting | \$ 50.00 | |
| TOTAL HOURS | 1 | 3 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | | 100 | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | | | | 110% | |
| Total Fee for Labor Classification | \$ 203.00 | \$ 534.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 370.00 | \$ - | \$ - | \$ - | \$ 110.00 | \$ 1,217.00 |
| TOTAL HOURS | | | | | | | | | | | | | | | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | | | | 110% | |
| Total Fee for Labor Classification | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| TOTAL FEE | | | | | | | | | | | | | | | | \$ 29,435.38 |

PERMITS

| ITEM DESCRIPTION | MANHOURS BY CLASSIFICATION | | | | | | | | | | | Description | EXPENSES | TOTAL FEE | | |
|------------------------------------|----------------------------|-------------|------------|------------|-----------|----------------|-------------|-------------|-----------|---------------------|-----------|-------------|----------|-----------|------|-------------|
| | PRINCIPAL | SR PROF ENG | PROF ENG 2 | PROF ENG 1 | STAFF ENG | SR DESIGN TECH | DESIGN TECH | SR. RES REP | RES REP | EXECUTIVE ASSISTANT | CLERICAL | | | | | |
| A CDOT Permitting | 0.5 | 1 | | | | 12 | | | | | 3 | 3 | | | | |
| TOTAL HOURS | 1 | 1 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | | 3 | 3 | 0 | 0 | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | | | | 110% | |
| Total Fee for Labor Classification | \$ 101.50 | \$ 178.00 | \$ - | \$ - | \$ - | \$ 1,980.00 | \$ - | \$ - | \$ - | \$ - | \$ 222.00 | \$ - | \$ - | \$ - | \$ - | \$ 2,481.50 |
| TOTAL FEE | | | | | | | | | | | | | | | | \$ 2,481.50 |

SUE Certification Level A

| ITEM DESCRIPTION | MANHOURS BY CLASSIFICATION | | | | | | | | | | | | | EXPENSES | TOTAL FEE | | |
|------------------------------------|----------------------------|-------------|------------|------------|-----------|----------------|-------------|-------------|-----------|---------------------|----------|-------------|------|----------|-----------|-------------|-------------|
| | PRINCIPAL | SR PROF ENG | PROF ENG 2 | PROF ENG 1 | STAFF ENG | SR DESIGN TECH | DESIGN TECH | SR. RES REP | RES REP | EXECUTIVE ASSISTANT | CLERICAL | Description | | | | | |
| A SUE Coordination | | | | | | 7 | | | | | | | | | | \$ 3,800.00 | |
| TOTAL HOURS | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,800 | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | | | | | 110% | |
| Total Fee for Labor Classification | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,155.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 4,180.00 | \$ 5,335.00 |
| TOTAL FEE | | | | | | | | | | | | | | | | | \$ 5,335.00 |

Geotechnical Engineering

| ITEM DESCRIPTION | MANHOURS BY CLASSIFICATION | | | | | | | | | | | | | EXPENSES | TOTAL FEE | | |
|---|----------------------------|-------------|------------|------------|-----------|----------------|-------------|-------------|-----------|---------------------|----------|-------------|------|----------|-----------|-------------|-------------|
| | PRINCIPAL | SR PROF ENG | PROF ENG 2 | PROF ENG 1 | STAFF ENG | SR DESIGN TECH | DESIGN TECH | SR. RES REP | RES REP | EXECUTIVE ASSISTANT | CLERICAL | Description | | | | | |
| A Coordination with geotechnical engineer | 1 | | | | | 8 | | | | | | | | | | \$ 2,500.00 | |
| TOTAL HOURS | 1 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,500 | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | | | | | 110% | |
| Total Fee for Labor Classification | \$ 203.00 | \$ - | \$ - | \$ - | \$ - | \$ 1,320.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 2,750.00 | \$ 4,273.00 |
| TOTAL FEE | | | | | | | | | | | | | | | | | \$ 4,273.00 |

Reproduction

| ITEM DESCRIPTION | MANHOURS BY CLASSIFICATION | | | | | | | | | | | | | EXPENSES | TOTAL FEE | | |
|------------------------------------|----------------------------|-------------|------------|------------|-----------|----------------|-------------|-------------|-----------|---------------------|----------|-------------|------|----------|-----------|-----------|-----------|
| | PRINCIPAL | SR PROF ENG | PROF ENG 2 | PROF ENG 1 | STAFF ENG | SR DESIGN TECH | DESIGN TECH | SR. RES REP | RES REP | EXECUTIVE ASSISTANT | CLERICAL | Description | | | | | |
| A Outside reproduction services | | | | | | | | | | 1 | 1 | | | | | \$ 350.00 | |
| TOTAL HOURS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 350 | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | | | | | 110% | |
| Total Fee for Labor Classification | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 74.00 | \$ - | \$ - | \$ - | \$ 385.00 | \$ 459.00 | |
| TOTAL FEE | | | | | | | | | | | | | | | | | \$ 459.00 |

Funding Assistance

| ITEM DESCRIPTION | MANHOURS BY CLASSIFICATION | | | | | | | | | | | | | EXPENSES | TOTAL FEE | | |
|------------------------------------|----------------------------|-------------|------------|------------|-----------|----------------|-------------|-------------|-----------|---------------------|-----------|-------------|------|----------|-----------|------|-------------|
| | PRINCIPAL | SR PROF ENG | PROF ENG 2 | PROF ENG 1 | STAFF ENG | SR DESIGN TECH | DESIGN TECH | SR. RES REP | RES REP | EXECUTIVE ASSISTANT | CLERICAL | Description | | | | | |
| A Certified Payroll Review | | | 1 | | | | 8 | | | 1 | 1 | | | | | | |
| Interviews | | | | | | | | | 2 | 1 | 1 | | | | | | |
| Quarterly reports | | | 2 | | | | | | | | | | | | | | |
| TOTAL HOURS | 0 | 0 | 3 | 0 | 0 | 0 | 8 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | | | | | 110% | |
| Total Fee for Labor Classification | \$ - | \$ - | \$ 474.00 | \$ - | \$ - | \$ - | \$ 864.00 | \$ 230.00 | \$ - | \$ - | \$ 148.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,716.00 |
| TOTAL FEE | | | | | | | | | | | | | | | | | \$ 1,716.00 |

Construction Management/Inspection Fees

| ITEM DESCRIPTION | MANHOURS BY CLASSIFICATION | | | | | | | | | | | | | EXPENSES | TOTAL FEE | | |
|--|----------------------------|-------------|------------|-------------|-----------|----------------|--------------|-------------|-----------|---------------------|-------------|-------------|------|----------|-----------|------|--------------|
| | PRINCIPAL | SR PROF ENG | PROF ENG 2 | PROF ENG 1 | STAFF ENG | SR DESIGN TECH | DESIGN TECH | SR. RES REP | RES REP | EXECUTIVE ASSISTANT | CLERICAL | Description | | | | | |
| A Construction bidding administration | 2 | 2 | | | | 12 | | | | | | | | | | | |
| Preconstruction Meeting | 1 | | | | | 8 | 5 | | | 2 | 2 | | | | | | |
| Submittal review | | 2 | | 15 | | 15 | | | | | 20 | | | | | | |
| Construction observation | 4 | 4 | | 4 | | 15 | 145 | | | | | | | | | | |
| Contractor pay request and recommend for payment | 2 | | | | | 3 | | | | | 3 | | | | | | |
| Start-up and testing | 1 | | | 12 | | 12 | 12 | | | | 4 | | | | | | |
| TOTAL HOURS | 10 | 8 | 0 | 31 | 0 | 65 | 162 | 0 | 0 | 2 | 29 | 0 | 0 | 0 | 0 | | |
| HOURLY RATE | \$ 203.00 | \$ 178.00 | \$ 158.00 | \$ 141.00 | \$ 126.00 | \$ 165.00 | \$ 108.00 | \$ 115.00 | \$ 101.00 | \$ 88.00 | \$ 74.00 | | | | | 110% | |
| Total Fee for Labor Classification | \$ 2,030.00 | \$ 1,424.00 | \$ - | \$ 4,371.00 | \$ - | \$ 10,725.00 | \$ 17,496.00 | \$ - | \$ - | \$ - | \$ 2,146.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 38,192.00 |
| TOTAL FEE | | | | | | | | | | | | | | | | | \$ 38,192.00 |