



October 20, 2022

Doug Gossett  
Town of Johnstown  
450 S. Parish Avenue  
Johnstown, Colorado 80534

RE: Proposal for Engineering Design Services  
State Highway 60 Water Line Replacement and Extension  
Johnstown, Colorado

Dear Doug:

Thank you for the opportunity to submit a proposal for Engineering Design services for the State Highway 60 Water Line Replacement and Extension project. We understand that the project generally includes improvements to a section of water main within State Highway 60 right-of-way from Parish Avenue to a railroad crossing located east, near the baseball field (approximately 1,600 feet in length) in addition to extending this water main to the Town's Central Wastewater Treatment Facility.

We understand the scope of work is as follows:

IMEG shall provide final design and engineering services for the SH 60 Water Main Replacement and Extension defined above. It is recognized and agreed upon by the Town and the IMEG that the proposed alignment may change due to certain physical or political barriers beyond either Party's control. Both the Town and the IMEG shall review any such changes and determine if an Amendment to this Contract may be required.

Final Design and Engineering Services for this phase shall include the following assessment(s) and evaluation(s):

- A. Easements/Right-of-Way - IMEG shall coordinate directly and with Town and other Town contracted Consultants/Contractors to further determine feasible property to construct and operate waterline line improvements. Processes included within this assessment may include: 1) Initial contact and discussion with land owners who may be impacted by the proposed water line improvements; 2) Title search, by a Title Insurance Company, for each parcel impacted by the proposed alignments (it is estimated there are up to 10 parcels along this alignment for which obtaining Title information binders and performing associated research will be required); 3) Determination of locations of land encumbrances that may preclude a proposed alignment within each subject parcel; 4) Preparation of temporary construction easement legal descriptions and exhibits by a Professional Land Surveyor to be utilized for construction easement agreements between the

Town and impacted land owners; and, 5) Preparation of permanent utility easement legal descriptions and exhibits by a Professional Land Surveyor to be utilized for permanent easement agreements between the Town and impacted land owners.

- B. Environmental Assessment - IMEG shall provide an assessment of the proposed alignment with regards to environmental services including a Phase I Environmental Site Assessment (Phase I ESA), natural resource assessment, wetland delineation, habitat assessment, and cultural resource inventory. These environmental services will provide the Town with data to assist in determination of final proposed alignment of the interceptor in addition to determining if there are any environmental concerns that may impact construction scheduling and/or construction costs. Additionally, IMEG will obtain and evaluate representative soil and/or ground water samples to determine potential for contamination that may impact final proposed alignments for both interceptors.
- C. Subsurface Utility Engineering (SUE) - IMEG shall provide Level A/B SUE services to determine locations of existing utilities within the proposed alignment. By Colorado State Law, the IMEG is required to provide these services as part of this Contract upon completion of final design of improvements.
- D. Field Surveying - IMEG shall provide land surveying services in coordination with final design of this alignment
  - a. Preliminary Surveying: 1) Defining horizontal control points at a minimum on an approximate 1/2-mile by 1/2-mile grid (utilizing sub-section corners) that covers the limits of the alignment. The horizontal control shall be based on NAD83 Colorado State Plane coordinate system, North Zone; 2) Vertical benchmarks shall be established using the NAVD-88 datum. It is anticipated that at least 1 vertical benchmark shall be established within the alignment. Establishing both horizontal and vertical control for the alignments will assist in locating property corners, easements, rights-of-way, environmental elements, geotechnical boring locations, and locations of existing utilities (surface and underground). Lastly, IMEG will stake the preliminary alignments of the interceptor at intervals of 500-foot or such lesser intervals where necessary to assist with preliminary engineering as well discussions with potentially impacted property owners. The established project benchmarks and survey control data will be provided to the Town in a GIS shape file format prior to completion of the Project.
  - b. Design Surveying: Field survey of existing conditions at minimum 100-foot intervals for the length of the proposed alignment.
- E. Conceptual Plan – IMEG will prepare conceptual plans for the replacement and extension components of the project prior to proceeding with final design of the improvements.
- F. 60% Design Plans – IMEG will provide an interim plan set to be used for internal review with Town staff to receive any comments or input based on the information provided.



- G. State and Local Permitting –  
IMEG will prepare construction plans suitable for approval by Colorado Department of Transportation (CDOT) for purposes of obtaining a utility/construction permit within CDOT right-of-way. IMEG will coordinate review and approval of construction plans with CDOT in order to provide the required construction permitting with CDOT. IMEG will submit and assist in obtaining the additional permits required by CDOT and other agencies which may include 1041 permit, 404 permit, and railroad permit(s).
- H. Final Design - IMEG will prepare construction plans and project specifications for the final design of the proposed SH 60 Water Main Replacement and Extension, which is estimated at 8,000 lineal feet in length. The construction plans will consist of a cover sheet, applicable construction notes, an overall alignment plan, plan and profile of the water line alignment (horizontal/vertical), construction details, temporary erosion control considerations, and estimated plan quantities. The design of the water main will include a sufficient valving plan to minimize impact to SH 60 and other influences. In conjunction with the construction plans, IMEG will prepare project specifications specifically outlining required materials, workmanship, and processes for constructing the proposed water line improvements. The project specifications will be integrated into a Project Manual that will contain the Town contract documents including agreement and conditions. It is assumed that the Engineering Joint Contract Documents Committee (EJCDC) format will be utilized for the Contract and Specifications that comprise the Project Manual.
- I. Pipe Sizing – IMEG will provide a recommendation for pipe sizing of the water main based on input from the Town and waterline modeling provided by others.
- J. Bidding/Evaluation/Award - IMEG will assist the Town in obtaining contract bids per the Project Manual, evaluating each bid submitted, and preparing a recommendation of award for the Town.

## PROJECT FEES

The estimated schedule of fees, on time and material basis in an amount not to exceed without additional Town authorization is as follows (consistent with the Scope of Work described above):

### Water Line Design

A. Easements/ROW (Includes sub-consultants)	\$ 73,000
B. Environmental Assessment (Includes sub-consultants)	\$ 25,000
C. Subsurface Utility Engineering (Includes sub-consultants)	\$ 60,000
D. Field Surveying (Includes sub-consultants)	\$ 25,000
E. Conceptual Plan	\$ 14,000
F. 60% Design Plans	\$ 26,000
G. State Permitting	\$ 15,000
H. Final Design	\$ 54,000



I. Pipe Sizing	\$ 5,000
J. Bidding/Evaluation/Award	\$ 5,000
<b>TOTAL Water Line Design (Not to Exceed)</b>	<b>\$ 302,000</b>

### **PROJECT EXPENSES**

The following reimbursable expenses **are not** included in the above fee and will be invoiced with a 1.1 multiplier of actual cost:

1. Reproduction costs for existing facility documents, and for one record set of contract document deliverables at each project phase/milestone (e.g., reports; studies; SD, DD, CD review sets; Issued for Bid; Issued for Construction; record drawings) when not provided to IMEG by the Architect
2. Reproduction and distribution costs associated with issuing contract documents.
3. CAD plots of drawings in any media other than paper or electronic files.
4. Payment of plan review fees, permit fees, or other imposed governmental agency fees.
5. Necessary consultants as approved by Client.
6. Expenses for safety training, background checks, and drug testing to access the site.
7. Postage and delivery charges.
8. Travel expense: Automobile mileage will be invoiced at the IRS rate in effect at the time of travel. Travel expenses also include tolls, parking fees, taxi, train, and other out of pocket expenses.
9. Project specific insurance coverage riders or amendments necessary to comply with required insurance requirements above current IMEG limits and conditions.

### **SCHEDULE OF DELIVERABLES & APPROACH**

IMEG is proposing the following schedule to achieve the Town's desire to have a 100% bid package available by December 31, 2022. Some outside factors will not allow this to happen including permit review time for CDOT and other agencies, anticipation of weather-related impacts to field activities, and easement negotiation.

• Notice to Proceed	November 11, 2022
• Field Survey/SUE (Level B) Complete	December 2, 2022
• Conceptual Plan	December 9, 2022
• 60% Plan	December 22, 2022
• 90% Plans (for CDOT Review)	January 6, 2023
• Level A SUE-Discovery	January 20, 2023
• 100% Plans/Specifications (Bid Package)	February 24, 2023



**GENERAL**

The attached Terms and Conditions dated April 10, 2020 are made a part of this Proposal. This Proposal is valid for 45 days from the date of this offer.

We will begin our services following acceptance of this Proposal for Engineering Services. We look forward to working with you and your staff on this project and appreciate this opportunity to be of service. Acceptance may be conveyed via e-mail to the address listed below or by signing this offer and returning it to our office.

Sincerely,

IMEG CORP.



Taylor C. Goertz, PE  
Client Executive/Principal  
Taylor.c.goertz@imegcorp.com

**TOWN OF JOHNSTOWN**

Accepted:

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Signature

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Title

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Date





**2022 STANDARD HOURLY RATES**  
**(rates adjusted annually)**

Client Executive	\$230
Project Executive	\$190
Senior Civil Engineering Specialist	\$185
Senior Civil Engineer III	\$175
Senior Civil Engineer II	\$155
Senior Civil Engineer	\$145
Civil Project Engineer II	\$135
Civil Project Engineer	\$125
Civil Engineer	\$115
Geotechnical Engineer II	\$160
Geotechnical Engineer	\$125
Senior Civil Technical Specialist	\$155
Senior Civil Designer III	\$140
Senior Civil Designer II	\$135
Senior Civil Designer	\$125
Civil Project Designer II	\$115
Civil Project Designer	\$110
Civil Designer IV	\$105
Civil Designer III	\$100
Civil Designer II	\$95
Civil Designer	\$90
Design Technician II	\$80
Design Technician	\$75
Land Surveyor III	\$150
Land Surveyor II	\$130
Land Surveyor I	\$120
Senior Survey Technician	\$100
Survey Technician III	\$90
Survey Technician II	\$75
Survey Technician	\$65
Senior Construction Administrator	\$130
Construction Administrator	\$125
Senior Field Technician	\$120
Field Technician IV	\$100
Field Technician III	\$90
Field Technician II	\$85
Field Technician	\$75
Administrative Assistant	\$75