

July 10, 2020

Peter Brixius
City Manager
300 W. 4th Street
Craig, CO 81625

RE: Professional Service Estimates for 2018 Craig Projects.

Dear Peter:

Phase 1 of the project has been bid and awarded with options 1A and 1B awarded pending. The bid price submitted by the successful contractor is well within the City's budget. We now look forward to the construction of this first phase and completing design for the rest of the project.

We have estimated the additional professional service fees estimate to assist the City through construction and design of the remainder of the project. It is imperative that we get started on the next phase of design now so that it will be ready for bidding and construction next year. If possible, we will advance design sufficiently in the next few months to allow the City to consider adding scope to the existing construction contract to take advantage of existing grant funding.

The additional professional services required to carry the project through Phase 1 construction have been estimated at \$45,000, including and construction survey. The actual need could vary up or down depending on contractor performance, challenges during construction and unknown field conditions. As always, we will do our best to manage and control costs where possible to the benefit of the City.

Base mapping for the entire project is complete. The primary need to complete design is utility locates to fulfill the legal requirements for SUE (subsurface utility engineering) for the rest of the alignment. A major item of concern at this time is the high-pressure gas lines located near the intersection of CR107 (a.k.a. S. Ranney Street) and CR139 (a.k.a. W. Mesa). Extend of SUE work at the solar farm that is adjacent to the lagoons is not known. Once the all SUE work is completed then design can be completed based on the findings. Phase 2 will require temporary construction easements for the three parcels of private property. We will also need to contact the State to see what conditions they may have for completing installation on State lands. A construction permit may also be required for crossing and work along CR107 and CR177. The City will need to physically locate the sludge line for the remainder of its alignment, as well as tie-in points at the lagoons. SGM will survey City locates and any shallow utilities located through 811. SUE physical locating work at gas pipe crossing to be performed by a third party. We don't know what this will entail and have included an allowance for it but will be billed at cost plus 10%. Adding scope to the current construction contract will also result in additional construction engineer services. We cannot estimate what our efforts may be without understanding the additional work area that will be added but we expect the increase for our

construction engineering services would be somewhat marginal. Our preliminary estimate to finish design for potential construction this year is \$48,067 plus \$36,698 for SUE work plus \$7250 for construction staking of Phase 2, totaling \$92,015.

Below is a summary of our professional fee estimate, with detailed breakdown attached.

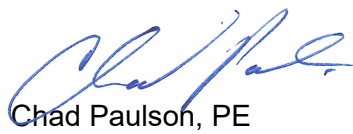
| TASK | Est. Fee |
|----------------------------------|----------|
| PH1 Constr. Engineering Services | 35,000 |
| PH1 Construction Staking | 10,000 |
| PH2 SUE | 36,898 |
| PH2 Design Engineering | 48,067 |
| PH2 Construction Staking | 7,500 |
| TOTAL | 137,000 |

Regardless of whether scope is added to the current construction contract or is bid out as Phase 2 next year, we need to start the design process now so that we have all utility locate information locked down for design. If a Phase 2 were to bid next year, we would anticipate bid in March 2021 with construction start in May 2021, weather allowing. Please note that our estimate does not include bid or construction phase services associated with Phase 2 next year.

Thank you for the opportunity to continue serving the City of Craig. We appreciate the work and truly enjoy working with City staff. Please call with any questions.

Sincerely,

SGM



Chad Paulson, PE
Public Sector Leader

| Project Name: City of Craig - PH1 addition & PH2 Sludge line design (as adder to PH1 construction) | | | | | |
|---|--|--------------|-----------|-------------|---------------|
| SGM Project Number: 2013-520.015 | | | | | |
| Task Number | Task Name | Locates | Reimb | Total Hours | Total Cost |
| | Rate (\$/hr.) | 1.10 | 1.10 | | |
| 1 | Project Management & Coordination | | | | |
| 1.1 | Client Meetings | | \$ 500.00 | | \$ 550.00 |
| 1.1.2 | Prelim. Design | | | 0 | \$ - |
| 1.1.6 | 60% Design Review | | | 0 | \$ - |
| 1.1.7 | 90% Design Review | | | 18 | \$ 2,646.00 |
| 1.2 | Project Team | | | 0 | \$ - |
| 1.2.1 | SGM team meetings | | | 17 | \$ 2,352.00 |
| 1.2.2 | Team Coordination | | | 6 | \$ 1,014.00 |
| 1.2.3 | Billing/Invoicing | | | 8 | \$ 1,352.00 |
| 1.3 | | | | 0 | \$ - |
| | Sub Total Cost | \$ - | \$ 550.00 | 49 | \$ 7,914.00 |
| | Hrs | | | | |
| 2 | SUE Investigations | | | | |
| 2.1 | | | | 0 | \$ - |
| 2.2 | Field Survey | | | 20 | \$ 4,000.00 |
| 2.3 | Office Work | | | 0 | \$ 2,160.00 |
| 2.4 | Land Surveyor | | | 0 | \$ 1,500.00 |
| 2.5 | Easement review | | | 2 | \$ 250.00 |
| 2.6 | | | | 0 | \$ - |
| 2.7 | SUE Engineering | | | 44 | \$ 6,788.00 |
| 2.8 | SUE Locates | \$ 20,000.00 | | 0 | \$ 22,000.00 |
| 2.9 | | | | 0 | \$ - |
| | Sub Total Cost | \$ 22,000.00 | \$ - | 66 | \$ 36,698.00 |
| | Hrs | | 0 | | |
| 3 | Interagency Coordination | | | | |
| 3.1 | State Land Board | | | 26 | \$ 3,338.00 |
| 3.2 | Moffat County | | | 26 | \$ 3,338.00 |
| 3.3 | USACOE | | | 32 | \$ 4,352.00 |
| 3.6 | Colorado Parks & Wildlife | | | 6 | \$ 794.00 |
| | Sub Total Cost | \$ - | \$ - | 90 | \$ 11,822.00 |
| | Hrs | | | | |
| 4 | Sludge Line Replacement Design | | | | |
| 4.1.1 | Proj. Mgmt | | | 8 | \$ 1,352.00 |
| 4.1.2 | Routing | | | 0 | \$ - |
| 4.1.3 | Temporary Easements | | | 51 | \$ 7,588.00 |
| 4.1.4 | prelim design | | | 0 | \$ - |
| 4.1.5 | prelim cost est | | | 0 | \$ - |
| 4.2.1 | final design | | | 138 | \$ 17,434.00 |
| 4.2.2 | final cost estimate | | | 5 | \$ 669.00 |
| 4.2.3 | project specifications | | | 0 | \$ - |
| 4.3.1 | QA/QC | | | 8 | \$ 1,288.00 |
| | | | | 0 | \$ - |
| | Sub Total Cost | \$ - | \$ - | 210 | \$ 28,331.00 |
| | Hrs | | | | |
| 8 | Construction Phase Services | | | | |
| 8.1 | Project Management | | | 0 | \$ - |
| 8.2 | Constr. Survey - PH1 alignment | | | 55 | \$ 10,000.00 |
| 8.2 | Constr. Survey - PH2 alignment | | | 42 | \$ 7,250.00 |
| 8.3 | Construction Meetings | | | 0 | \$ - |
| 8.4 | Construction Observation (site visits) | | | 0 | \$ - |
| 8.5 | Construction Engineering Support - PH1 | | | 269.44 | \$ 35,000.00 |
| 8.6 | Shop Drawing and Submittal Review | | | 0 | \$ - |
| 8.7 | Final Walkthrough | | | 0 | \$ - |
| 8.8 | O&M manuals | | | 0 | \$ - |
| 8.9 | As-Built Plans | | | 0 | \$ - |
| | Sub Total Cost | \$ - | \$ - | 366.44 | \$ 52,250.00 |
| | Hrs | | | 97 | |
| | Total Cost | \$ 22,000.00 | \$ 550.00 | | \$ 137,015.00 |
| | Total Hrs | | | 815.44 | |