

Memorandum

Date: March 22, 2022

Project: Town of Lyons GoCO Black Bear Improvements

To: Tracy Sanders
Town of Lyons

From: Nicolas Lozano Ordoñez, Joel Price

Re: Additional Design Services Request

Background

Murraysmith was contracted in June 2021 to provide engineering design services for park improvements at the Black Bear Hole parking lot and the addition of a secondary gravel parking lot located between 2nd Avenue and the wastewater treatment facility. The improvements also include a prefabricated restroom facility at the 2nd Avenue parking lot with utility connections.

The design services scope includes project management, surveying, and the development of final plans, specifications, and probable construction cost estimate for bidding and construction.

During the course of this project, the amount of work required of Murraysmith exceeded the amount of work outlined in the original Contract/ Scope of Work. This letter outlines the additional services that were performed and the associated fees.

Scope of Additional Services

The project management and design services have exceeded the original scope of services due to numerous factors, but particularly related to the submittal efforts as summarized below:

Survey:

- Survey – Additional coordination and surveying was needed to survey the features on the south side of the pedestrian bridge at the Black Bear Hole site

Flood Modeling and Permitting:

- Permitting
 - Floodplain – Coordination and discussions were had with S2O to ensure bathroom location would not impact floodplain. Additional conversations with pre-selected restroom manufacturer occurred to ensure flood vents could be installed on building.

- Streambank Restoration – It was originally believed that the extent of streambank restoration would be removing and replacing the boulders along the stream. However, the streambank walls were extended which altered the design because additional measures such as 404 Permitting needed to be taken into account.
- Landscaping and Irrigation
 - It was assumed that previous landscaping and irrigation would be copied from previous designs. However, current design differed enough for this to not be viable. In addition, there were not previous designs for irrigation and landscaping at the Black Bear Hole site which were included in this design package.
- Bidding Addendums
 - Three total addendums were issued as part of the bidding process. The final addendum issued included four different options for pre-fabricated bathrooms in order to give the Town options while keeping the construction price low.
- Electrical Coordination
 - Design coordination to provide electrical service to bathroom
- Plan Development
 - It was anticipated that the plans package would consist of approximately 7 sheets; the final plans package 26 plan sheets. Additional detail was required to provide detailed bidding set to contractors.
- Construction Support To Date
 - Construction support was not originally included in the scope of work. Hours have been included that reflect site meetings, weekly meetings and coordination for the remainder of the project.
 - Design coordination provided after bidding to add meter and coordinate utility design with WWTP meter.
 - Revised drainage and grading provided at outfall to swale at sidewalk chase.
 - Revised drainage and grading around the black bear hole bridge abutment to eliminate the need for flagstone.
- Estimated Future Construction
 - Hours have been added for additional construction support including: answering RFI's, submittals, and attending construction meetings.

The fee estimate below includes a summary of the additional hours spent on the project we feel are directly related to the additional scope. We are requesting additional project funding of \$35,455 that is beyond the original scoped and budgeted amount of \$27,976, totaling ~~\$63,311~~.

\$63,431

Employee	Additional Hours	Fees
Joel Price	48	\$11,040
Chris Jain	12	\$2,292
Nicolas Lozano Ordonez	124	\$19,468
Topographic Surveyors		\$1,335
S2o		\$1,320
Total		\$35,455

Summary

To date, Murraysmith has provided additional services beyond the initial scope of work in the total of **\$35,455** for the Town of Lyons and proposes that the initial contract be amended to include these fees. Please see the attached revised fee estimated for a detailed breakdown.

Sincerely,

A handwritten signature in black ink that reads "Joel Price". The signature is written in a cursive, flowing style.

MURRAYSMITH
Joel Price, PE
Principal Engineer



TOWN OF LYONS
GOCO ADDITIONAL SERVICES
FEE ESTIMATE

Staff Name	LABOR CLASSIFICATION (HOURS)										
	Principal Engineer II	Professional Engineer VII	Engineering Designer III	Hours	Labor	Subconsultants		Multiplier % Markup	Total with Markup	Expenses	Total
	Price	Jain	Lozano Ordonez			Topographic Surveyors	S2O				
Task 1 - Additional Services to Date											
Task 1.1 - Additional Topographic Survey Information			2	2	\$ 314	\$ 1,214	\$ 1,200	1.1	\$ 2,655	\$ -	\$ 2,969
Task 1.2 - Flood Modeling and Permitting	4	12	8	24	\$ 4,468			1.1	\$ -	\$ -	\$ 4,468
Task 1.3 - Landscaping and Irrigation	4		16	20	\$ 3,432			1.1	\$ -	\$ -	\$ 3,432
Task 1.4 - Bidding Addendums	4		12	16	\$ 2,804			1.1	\$ -	\$ -	\$ 2,804
Task 1.5 - Electrical Coordination	2		4	6	\$ 1,088			1.1	\$ -	\$ -	\$ 1,088
Task 1.6 - Plan Development	12		36	48	\$ 8,412			1.1	\$ -	\$ -	\$ 8,412
Task 1.7 - Construction Support To Date	6		16	22	\$ 3,892			1.1	\$ -	\$ -	\$ 3,892
Task 1.8 - Estimated Future Construction Support	16		30	46	\$ 8,390			1.1	\$ -	\$ -	\$ 8,390
Task 1 Subtotal	48	12	124	184	\$ 32,800	\$ 1,214	\$ 1,200		\$ 2,655	\$ -	\$ 35,455
TOTAL - ALL TASKS	48	12	124	184	\$ 32,800	\$ 1,214	\$ 1,200		\$ 2,655	\$ -	\$ 35,455