

November 15, 2022

Mr. Andrew Fisher, PE, CFM
Floodplain Administrator – City of Greeley
Via Email: andrew.fisher@greeleygov.com

RE: 12th Street Outfall Phase 1B Change Order Proposal

Dear Andrew:

Thank you for the opportunity to submit this change order request for the 12th Street Outfall project. This proposal reflects work related to value engineering adjustments resulting from current contract pricing, reincorporation of the Atmos gas line, as well as changes regarding e-coli treatment potential. Our proposed scope of services is described in detail below:

SCOPE OF SERVICES:

1. Value Engineering Design Adjustments

This task includes design adjustments related to value engineering for the project. This work has resulted from changes associated with:

- Channel design to reflect the Atmos gas line now remaining in place. This work includes a shift in materials for the retaining wall, as well as an alternate design for the box culvert outfall.
- Pond grading changes associated changes to the overflow structures and well as outlet devices.
- The size of the overflow / river structure is proposed to be adjusted for additional value engineering and cost savings.
- Design changes include adjustments to the currently proposed e-coli treatment methods.

Project Fees & Schedule

Consultant will complete the Scope of Services for \$106,730. In general, the work is anticipated to progress in accordance with the following schedule. A detailed breakdown of our fees is attached.

Task:	Dates:
1. Value Engineering Design Services	January 2023

Thank you again for the opportunity to assist the City of Greeley with this project. Please contact me with any questions about this proposal.

Sincerely,

ICON Engineering, Inc.



Craig D. Jacobson | Principal
cjacobson@iconeng.com | (303) 221-0802 (o) | 303 898-9717 (c)

DESIGN/ PHASES 12th Street Outfall Construction Services Proposal Description	ICON Engineering							Washburn Surveyors	ERO	Lithos Engineering	SurvWest SUE	SAN Eng.	Kimley/Horn	Valerian	TOTALS
	Contract Mgr. Principal Eng I \$189 Hours	Project Mgr. Prof. Eng III \$169 Hours	Ind. QC Principal Eng. II \$189 Hours	Prof. Eng. II \$159 Hours	Eng. IV \$149 Hours	CAD/ GIS \$105 Hours	Misc. Direct Costs								
								Direct Ex.	Direct Ex.	Direct Ex.	Direct Ex.	Direct Ex.	Direct Ex.	Direct Ex.	
Task 1 VALUE ENGINEERING DESIGN ADJUSTMENTS															
1.1 - Channel Grading and Wall Design	6	12			40	12						\$10,000		\$10,000	\$30,382
1.2 - Pond and Outlet Adjustments	8	32		16	40	16						\$15,000		\$3,000	\$35,104
1.3 - Overflow Structure and Spillway	4	16		16	24	12				\$3,250				\$15,000	\$29,090
1.4 - E.coli Design Treatment Services (removals and adjustments)	4	8		12	12	10							\$3,300	\$2,000	\$12,154
TOTAL HOURS	22	68	0	44	116	50									\$106,730
	\$4,158	\$11,492	\$0	\$6,996	\$17,284	\$5,250	\$0	\$0	\$0	\$3,250	\$0	\$25,000	\$3,300	\$30,000	\$106,730
												Total Value Engineering Services		\$106,730	