

Kastner Engineering LLC
4617 Goodnight Avenue
Pueblo, CO. 81005
(719) 242-7227
Kastner99@gmail.com

March 17, 2020

Mr. Craig Godbout, Project Manager
Colorado Water Conservation Board
1313 Sherman Street, Room 718
Denver, CO 80203

Re: WSRA Grant Contract CMS No 105397, CORE No. 2018-992 – Beaver Park Water Inc. –
Upper Canal Lining Removal and Replacement – **Phase II Third Report** December 1, 2019 –
February 29, 2020.

Dear Mr. Godbout,

The purpose of this letter is to provide you with a three month report for the Beaver Park Water Inc. (Beaver Park) Upper Canal Lining Project. This report constitutes the third report for Phase II work and describes the completion of Phase II work on Beaver Park's Upper Canal Lining Project.

Status of Phase II Construction and Funding

Phase II work on relining and repair of Beaver Park's Upper Canal began in January 2019 and extended until construction temporarily ended in March of 2019. Construction temporarily ended at this time due to the need for Beaver Park to commence irrigation storage and diversion activities for the 2019 irrigation season. There was no new construction following March of 2019 until January 2020.

Following the end of construction activities in March of 2019, total remaining Phase II funds were approximately \$29,000. This value includes any remaining CWCB funds and any remaining matching funds. Phase II construction began again in January 2020 and continued until February 12, 2020 when all Phase II grant funds and all Phase II matching funds were exhausted.

Referencing the attached funding and work summary table, 1,620 linear feet of concrete canal lining was replaced under Phase II funds. 1,306 feet during the winter of 2018-2019 and 314 feet during the winter of 2019-2020. Total Phase I and Phase II lining replaced is 3,176 linear feet of the initially scoped project total of 4,526 feet. A total of 70% of the project has now been completed through Phase II.

Following the exhaustion of Phase II funds on February 12, 2020, construction work continued until February 24, 2020 beginning under Phase III funds. As of February 24th, construction activities were ceased for the season in order to allow Beaver Park to begin using their Upper Canal again to convey storage waters to Brush Hollow Reservoir for the upcoming irrigation season. It is not anticipated that any further construction activities will occur until the fall of 2020. Phase III funding spent during the February 12-24, 2020 period was \$10,791.73 (\$2,138 Beaver Park In-Kind and \$8,653.73 invoiced to CWCB). A total of \$155,000 in funds are available under Phase III.

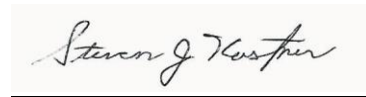
Beaver Park Upper Canal Funding and Work Accomplished Summary					
<u>Funding Summary</u>					
Funding Source	Phase I 2017-2018	Phase II 2018-2020	Phase III 2020-2021	Total	
Local	\$ 37,500	\$ 40,000	\$ 45,000	\$ 122,500	
Basin	\$ 40,250	\$ 8,000	\$ 10,000	\$ 58,250	
State	\$ 77,750	\$ 80,000	\$ 100,000	\$ 257,750	
Total	\$ 155,500	\$ 128,000	\$ 155,000	\$ 438,500	\$96/foot
<u>Work Summary</u>					
Period (winter)	Grant Phase (funds)	Canal Length Repaired (feet)	Cummulative (feet)		Percent Completed
2017-2018	I	776	776	(actual)	17%
2018-2019	I	780	1,556	(actual)	34%
2018-2019	II	1,306	2,862	(actual)	63%
2019-2020	II	314	3,176	(actual)	70%
2020-2021	III	1,350	4,526	(estimate)	100%
Initially Scoped Work: 4,526 feet of canal lining and \$565,750 (\$125/foot).					

One difficulty in the project has been the availability of the contractor during the late fall and early winter period. This unavailability of the contractor issue limits the amount of work that can be accomplished during one winter period prior to Beaver Park having to cease work in order to at least obtain some amount of winter storage waters in its reservoir for the upcoming irrigation season. Beaver Park is planning to have a contractor on site earlier this upcoming fall and winter.

The Beaver Park Upper Canal lining replacement project is otherwise proceeding generally as anticipated. Phase II construction activity has been completed and Phase III construction activity has been initiated. It is anticipated that the additional Phase III funding will be sufficient to complete the canal lining project as originally proposed. It is planned that the project work will be completed during the winter of 2020/2021.

Please advise as to any questions or comments,

Sincerely,

A handwritten signature in cursive script, reading "Steven J. Kastner", is displayed within a light gray rectangular box.

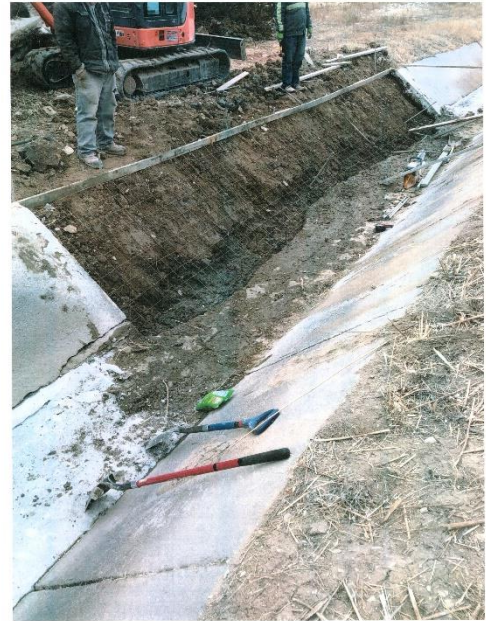
Steven J. Kastner P.E.
Engineer for Beaver Park Water Inc.

Cc: Beaver Park Water Inc.

Construction Photography from January – February 2020.



Typical Pre-existing Upper Canal Liner Condition.



Removal of Damaged Section.
Placement of Wire Mesh.



Forming and Delivery of Concrete.



Completed 8 foot Section of Canal Lining

