

Staff Report

for the Regular Meeting of the Board of Directors, August 9, 2017

TO: Board of Directors
FROM: Gary D. King PE, PhD, Engineering Manager
DATE: August 1, 2017
SUBJECT: 2017 Chicago Park Canal Liner Replacement Project (FATR# 2078)

ENGINEERING

RECOMMENDATION:

Approve a contract with Hansen Brothers Enterprises in the amount of \$354,862 for the construction of the Chicago Park Canal Liner Replacement Project and authorize the General Manager to execute the appropriate documents.

BACKGROUND:

The 2017 Chicago Park Canal Project is the replacement of a segment of a badly deteriorated canal. This is one segment of multiple projects in this area over the next few years that will be replaced as an ongoing program to maintain the viability of this facility that is critical for power generation at the Chicago Park Powerhouse.

Quotes were requested from ten firms, and the following three quotes were received on July 27, 2017:

Hansen Brothers	\$354,862.00
Sierra Mountain Constr.	\$532,228.50
Gateway Pacific	\$591,400.00

It is the recommendation of staff to approve the contract with Hansen Brothers for this work.

BUDGET IMPACTS:

The project was budgeted in the amount \$450,000 as canal lining repair in the Hydroelectric Capital Budget (50112-52921). There are adequate funds in this budget for this project.

Attachments: Construction Cost Breakdown

GDK

2017 CHICAGO PARK CANAL LINER REPLACEMENT PROJECT FATR #2078-01

7/27/2017

Item	Descriptions	Qty.	Unit	Hansen Bros. Enterprises		Sierra Mountain Construction, Inc.		Gateway Pacific Contractors, Inc.	
				Cost/Unit	Cost	Cost/Unit	Cost	Cost/Unit	Cost
1	Mobilization	1	LS	25,987.00	\$25,987.00	120,300.00	\$ 120,300.00	5,000.00	\$5,000.00
2	Temporary diversion dam (inspectors discretion)	1	LS	8,672.00	\$8,672.00	22,141.00	\$ 22,141.00	2,000.00	\$2,000.00
3A	Demolition and disposal of existing concrete liner and soil on site	1	LS	30,500.00	\$30,500.00	42,000.00	\$ 42,000.00	100,000.00	\$100,000.00
4	Excavation	1	LS	20,698.00	\$20,698.00	18,500.00	\$ 18,500.00	50,000.00	\$50,000.00
5	Rock Evaluation	50	CY	314.00	\$15,700.00	151.75	\$ 7,587.50	150.00	\$7,500.00
6	6-inch concrete slab includes connections to concrete channel	280	LF	274.00	\$76,720.00	325.00	\$ 91,000.00	650.00	\$182,000.00
7	6-inch concrete liner (one side) includes connections to concrete channel	560	LF	242.00	\$135,520.00	325.00	\$ 182,000.00	415.00	\$232,400.00
8	Weep-hole detail	2	EA	1,437.00	\$2,874.00	225.00	\$ 450.00	250.00	\$500.00
9	Access Ramp	2	EA	16,523.00	\$33,046.00	18,050.00	\$ 36,100.00	1,000.00	\$2,000.00
12	Saturated soil excavation with crushed rock replacement	50	CY	102.90	\$5,145.00	243.00	\$ 12,150.00	200.00	\$10,000.00
Total Base Price					\$354,862.00		\$ 532,228.50		\$591,400.00
3B	Demolition and disposal of existing concrete liner and soil offsite	1	LS	35,478.00	\$35,478.00	40,000.00	\$ 40,000.00	200,000.00	\$200,000.00
Total Base Price					\$390,340.00		\$ 572,228.50		\$791,400.00