



INFORMATIONAL MEMORANDUM

TO: Transportation and Infrastructure Committee
 FROM: Henry Hash, Public Works Director
 BY: Mike Perfetti, Habitat Project Manager
 CC: Mayor Ekberg
 DATE: July 17, 2020
 SUBJECT: Surface Water Fund – Riverton Creek Flap Gate Removal Project Restoration Phase
 Project No. 99830103
 Bid Award

ISSUE

Award a contract to AtWork Commercial Enterprises, LLC for construction of the Riverton Creek Flap Gate Removal Project Restoration Phase.

BACKGROUND

This project is the second and final contract to construct the Riverton Creek Flap Gate Removal Project. This phase will restore 1.48 acres of native riparian vegetation along Riverton Creek and 0.45 acres along the Duwamish River.

DISCUSSION

The Riverton Creek Flap Gate Removal Project Restoration Phase call for bids was sent on June 24, 2020 to organizations on the MRSC small works roster that provide restoration services. Three bids were received via e-mail by the due date of July 13, 2020. The bids were checked and tabulated. The apparent low bidder is At Work! with a bid of \$106,090.60. The Engineer’s Estimate was \$112,290.75.

FISCAL IMPACT (All amounts include sales tax)

The Riverton Creek Flap Gate Removal Project construction, including both phases, was initially budgeted at \$918,000. The low bid for the first phase, which was recently awarded, exceeded the budget and is utilizing all CIP funds dedicated for this project. Staff proposes to transfer budget from the 205 Levee Certification Project, which is not currently needed since the City has petitioned the King County Flood Control District to fund the rebuilding of the 205 Levee.

	<u>Bid Results</u>	<u>Estimate</u>	<u>Budget</u>
Bid Amount	106,090.60		112,290.75
Contingency (10%)	10,609.06		
Funding from 205 Levee Certification CIP			66,699.66
WRIA 9/CWM grant			50,000.00
Total	<u>\$116,699.66</u>	<u>\$112,290.75</u>	<u>\$116,699.66</u>

RECOMMENDATION

Council is being asked to award the construction contract for the Riverton Creek Flap Gate Removal Project to AtWork Commercial Enterprises, LLC in the amount of \$106,090.60 and consider this item on the Consent Agenda at the August 3, 2020 Regular Meeting.

Attachments: CIP Page 93
CIP Page 94
Bid Tabulation

CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2019 to 2024

PROJECT: Riverton Creek Flap Gate Removal

Project No. 99830103

DESCRIPTION: Remove two culverts and flap gates at Duwamish River; install pipe arch, create open channel confluence, install trail bridge over new channel, restore/revegetate 200 feet of creek channel and 450 ft. of pond shoreline.

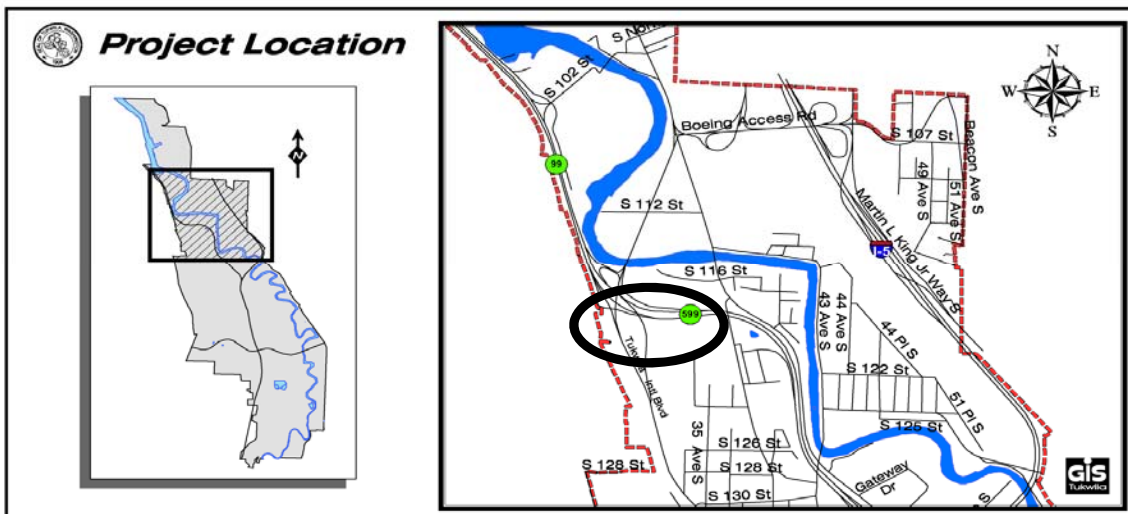
JUSTIFICATION: Increase available salmonid rearing habitat and increase flood refuge in lower Duwamish River. Improve fish access to Riverton Creek and enhance salmon rearing and resting area.

STATUS: Design underway in 2018. Construction grant of \$846k from WA State RCO.

MAINT. IMPACT: Expected to increase maintenance.

COMMENT: Project used as mitigation for East Marginal Way Pipe Replacement Project and HPA Control #133763-1 requires work to be completed by June 11, 2019, which will need to be extended.

FINANCIAL (in \$000's)	Through		Estimated							BEYOND	TOTAL
	2017	2018	2019	2020	2021	2022	2023	2024			
EXPENSES											
Design	204	100	40								344
Land (R/W)											0
Monitoring				15	15	15	15	15	15	15	90
Const. Mgmt.			184								184
Construction			918								918
TOTAL EXPENSES	204	100	1,142	15	15	15	15	15	15	15	1,536
FUND SOURCES											
Awarded Grant	72		847								919
Proposed Grant											0
Mitigation Actual											0
Mitigation Expected											0
Utility Revenue	132	100	295	15	15	15	15	15	15	15	617
TOTAL SOURCES	204	100	1,142	15	15	15	15	15	15	15	1,536



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2019 to 2024

PROJECT: **Tukwila 205 Levee Certification** Project No. 91341203

DESCRIPTION: Obtain levee certification for the Tukwila 205 Levee.

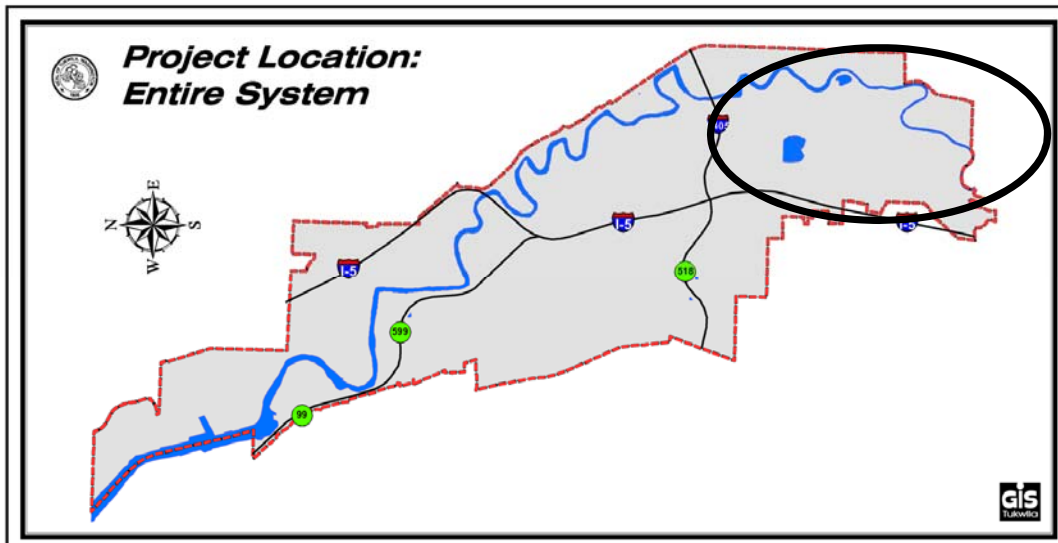
JUSTIFICATION: The US Army Corps of Engineers no longer provides levee certification services to federally authorized levees. The existing certification expired in August of 2013. Certification is required for the Federal Emergency Management Agency to accreditate the levee system as providing a 100-year level of flood protection.

STATUS: Phase I was a overview of entire levee system and Phase II includes identification of levee deficiencies.

MAINT. IMPACT: Certification process is expected to lead to additional levee repair projects that are required to meet the certification criteria. Certification is valid for a 10-year period.

COMMENT: Costs listed in 2019 through 2022 are estimates for potential repairs that would be grant dependent. King County Flood Control District's Opportunity Grant Program currently has \$63k per year. The Army Corps of Engineers is currently designing a levee repair project near Mitchell Moving, GACO, and Segale Properties with construction in 2019. Overall costs for Corps/Flood District project is \$55 million, with no City funding.

FINANCIAL (in \$000's)	Through Estimated										
	2017	2018	2019	2020	2021	2022	2023	2024	BEYOND	TOTAL	
EXPENSES											
Certification Phase I	350									350	
Certification Phase II	93	220	250							563	
Design			275							275	
Const. Mgmt.				30	115	600				745	
Construction				200	750	4,000				4,950	
TOTAL EXPENSES	443	220	525	230	865	4,600	0	0	0	6,883	
FUND SOURCES											
KC Flood Control	113	63	63	63	63	63	63	63	63	617	
Proposed Grants				150	780	4,500				5,430	
Mitigation Actual										0	
Mitigation Expected										0	
Utility Revenue	330	157	462	17	22	37	(63)	(63)	(63)	836	
TOTAL SOURCES	443	220	525	230	865	4,600	0	0	0	6,883	



Riverton Creek Flapgate Removal Project - Phase 2: Restoration

Certified Bid Tab

ITEM NO.	ITEM	UNITS	QUANTITY	Engineer's Estimate		Atwork		Applied Ecology		Daramola	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	Unexpected Site Changes	FA	1	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
2	Site Preparation	LS	1	15,000.00	15,000.00	17,500.00	17,500.00	36,000.00	36,000.00	50,000.00	50,000.00
3	Wattles	LF	1,000	3.50	3,500.00	2.25	2,250.00	5.88	5,880.00	6.00	6,000.00
4	Bark and Wood Chip Mulch	CY	105	45.00	4,725.00	67.00	7,035.00	69.05	7,250.25	60.00	6,300.00
5	PSIPE - Acer macrophyllum, BR	EA	10	14.00	140.00	13.00	130.00	16.76	167.60	20.00	200.00
6	PSIPE - Alnus rubra, BR	EA	30	14.00	420.00	13.00	390.00	16.76	502.80	20.00	600.00
7	PSIPE - Arbutus menzesii, 10" tube	EA	10	16.00	160.00	18.00	180.00	22.69	226.90	20.00	200.00
8	PSIPE - Betula papyrifera, BR	EA	125	14.00	1,750.00	13.00	1,625.00	16.76	2,095.00	20.00	2,500.00
9	PSIPE - Cornus nuttallii, #1	EA	10	18.50	185.00	18.00	180.00	22.69	226.90	20.00	200.00
10	PSIPE - Cornus sericia, BR	EA	231	14.00	3,234.00	13.00	3,003.00	16.76	3,871.56	20.00	4,620.00
11	PSIPE - Corylus cornuta, BR	EA	125	14.00	1,750.00	13.00	1,625.00	16.76	2,095.00	20.00	2,500.00
12	PSIPE - Fraxinus latifolia, BR	EA	47	14.00	658.00	13.00	611.00	16.76	787.72	20.00	940.00
13	PSIPE - Holodiscus discolor, BR	EA	416	14.00	5,824.00	13.00	5,408.00	16.76	6,972.16	20.00	8,320.00
14	PSIPE - Lonicera involucrata, BR	EA	131	14.00	1,834.00	13.00	1,703.00	16.76	2,195.56	20.00	2,620.00
15	PSIPE - Malus fusca, BR	EA	7	14.00	98.00	13.00	91.00	16.76	117.32	20.00	140.00
16	PSIPE - Physocarpus capitatus, BR	EA	131	14.00	1,834.00	13.00	1,703.00	16.76	2,195.56	20.00	2,620.00
17	PSIPE - Picea sitchensis, #1	EA	47	18.50	869.50	18.00	846.00	22.69	1,066.43	20.00	940.00
18	PSIPE - Populus basamifera, BR	EA	30	14.00	420.00	13.00	390.00	16.76	502.80	20.00	600.00
19	PSIPE - Populus tremuloides, BR	EA	7	14.00	98.00	13.00	91.00	16.76	117.32	20.00	140.00
20	PSIPE - Prunus emarginata, BR	EA	7	14.00	98.00	13.00	91.00	16.76	117.32	20.00	140.00
21	PSIPE - Pseudotsuga menzesii, #1	EA	145	18.50	2,682.50	18.00	2,610.00	22.69	3,290.05	20.00	2,900.00
22	PSIPE - Ribies sanguineum, BR	EA	416	14.00	5,824.00	13.00	5,408.00	16.76	6,972.16	20.00	8,320.00
23	PSIPE - Rosa nutkana, BR	EA	456	14.00	6,384.00	13.00	5,928.00	16.76	7,642.56	20.00	9,120.00
24	PSIPE - Rosa pisocarpa, BR	EA	131	14.00	1,834.00	13.00	1,703.00	16.76	2,195.56	20.00	2,620.00
25	PSIPE - Rubus parvifolium, BR	EA	416	14.00	5,824.00	13.00	5,408.00	16.76	6,972.16	20.00	8,320.00
26	PSIPE - Rubus spectabilis, BR	EA	131	14.00	1,834.00	13.00	1,703.00	16.76	2,195.56	20.00	2,620.00
27	PSIPE - Salix hookeriana, LS	EA	270	13.75	3,712.50	7.00	1,890.00	16.50	4,455.00	20.00	5,400.00
28	PSIPE - Salix lucida (lasiandra), BR	EA	47	14.00	658.00	13.00	611.00	16.76	787.72	20.00	940.00
29	PSIPE - Salix scouleriana, LS	EA	265	13.75	3,643.75	7.00	1,855.00	16.50	4,372.50	20.00	5,300.00
30	PSIPE - Salix sitchensis, LS	EA	265	13.75	3,643.75	7.00	1,855.00	16.50	4,372.50	20.00	5,300.00
31	PSIPE - Sambucus racemosa, BR	EA	547	14.00	7,658.00	13.00	7,111.00	16.76	9,167.72	20.00	10,940.00
32	PSIPE - Spiraea douglasii, BR	EA	40	14.00	560.00	13.00	520.00	16.76	670.40	20.00	800.00
33	PSIPE - Symphoricarpos alba, BR	EA	150	14.00	2,100.00	13.00	1,950.00	16.76	2,514.00	20.00	3,000.00
34	PSIPE - Thuja plicata, #1	EA	147	18.50	2,719.50	18.00	2,646.00	22.69	3,335.43	20.00	2,940.00
35	PSIPE - Tsiga heterophylla, #1	EA	22	18.50	407.00	18.00	396.00	22.69	499.18	20.00	440.00
Subtotal:					102,082.50		96,446.00		141,830.70		168,540.00
Sales Tax					10,208.25		9,644.60		14,183.07		16,854.00
Total Construction Cost:					112,290.75		106,090.60		156,013.77		185,394.00

Corrected bid

Errors in Contractor Bid Proposals:

1 Amount on bid amount shown as \$6,972.16

Riverton Creek Flapgate Removal Project - Phase 2: Restoration

Certified Bid Tab

ITEM NO.	ITEM	UNITS	QUANTITY	<i>Engineer's Estimate</i>		Atwork		Applied Ecology		Daramola	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT

2 Total bid proposal was \$155,275.95

Certified by _____ **Date** 5 7/15/2020
 Mike Perfetti, Habitat Project Manager