



INFORMATIONAL MEMORANDUM

TO: **Transportation and Infrastructure Services Committee**
FROM: **Hari Ponnekanti, Public Works Director/City Engineer**
BY: **Adib Altallal, Utilities Engineer**
CC: **Mayor Allan Ekberg**
DATE: **May 7, 2021**
SUBJECT: **Sewer Fund – Sewer Lift Station No. 2 Upgrades**
Project No. 90440205
Bid Award to McClure and Sons, Inc.

ISSUE

Award contract to McClure and Sons, Inc. for the Sewer Lift Station No. 2 Upgrades Project.

BACKGROUND

Sewer Lift Station No. 2 serves the Commercial Business District and appurtenances will be replaced and upsized to meet increasing demands. This project will install new pumps, motors, control system, and a backup generator. The sewer force main portion of the contract was added due to a sewer main break that was discovered by the City crew earlier this year that serves Sewer Lift Station No. 2.

ANALYSIS

A call for bids was advertised for the Sewer Lift Station No. 2 and force main improvements on March 31 and April 7, 2021. Three contractors returned bids to the City on April 15, 2021. The confirmed lowest bid was McClure and Sons, Inc. with a bid of \$1,554,397.31. The Engineer's Estimate was \$1,446,163.50. References were checked and McClure and Sons have completed this work satisfactorily by other jurisdictions.

BUDGET AND BID SUMMARY

	<u>Bid Amount</u>	<u>Engineer's Estimate</u>	<u>2021 Budget</u>
McClure and Sons, Inc	\$ 1,554,397.31	\$ 1,446,163.50	\$ 950,000.00
Portion CBD Sanitary Sewer Rehab			800,000.00
Contingency 12%	<u>186,527.68</u>		
Grand Total	<u>\$ 1,740,924.99</u>	<u>\$ 1,446,163.50</u>	<u>\$ 1,750,000.00</u>

RECOMMENDATION

Council is being asked to award the construction of Sewer Lift Station No. 2 Upgrades to McClure and Sons, Inc. for a total contract amount of \$1,554,397.31 and grant budget authority to the Project Management Team up to the amount of \$1,740,924.99 (12% contingency) and consider this item on the Consent Agenda at the May 17, 2021, Regular Meeting.

Attachments: Pages 70 & 72 2021 CIP
Bid Tabulation

CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2021 to 2026

PROJECT: CBD Sanitary Sewer Rehabilitation

Project No. 91140203

DESCRIPTION: The asbestos concrete pipe in the CBD (commercial business district) is approximately 45 years old and becoming soft. Slip lining the pipe will reinforce the strength with little impact to roadways and minimal excavation.

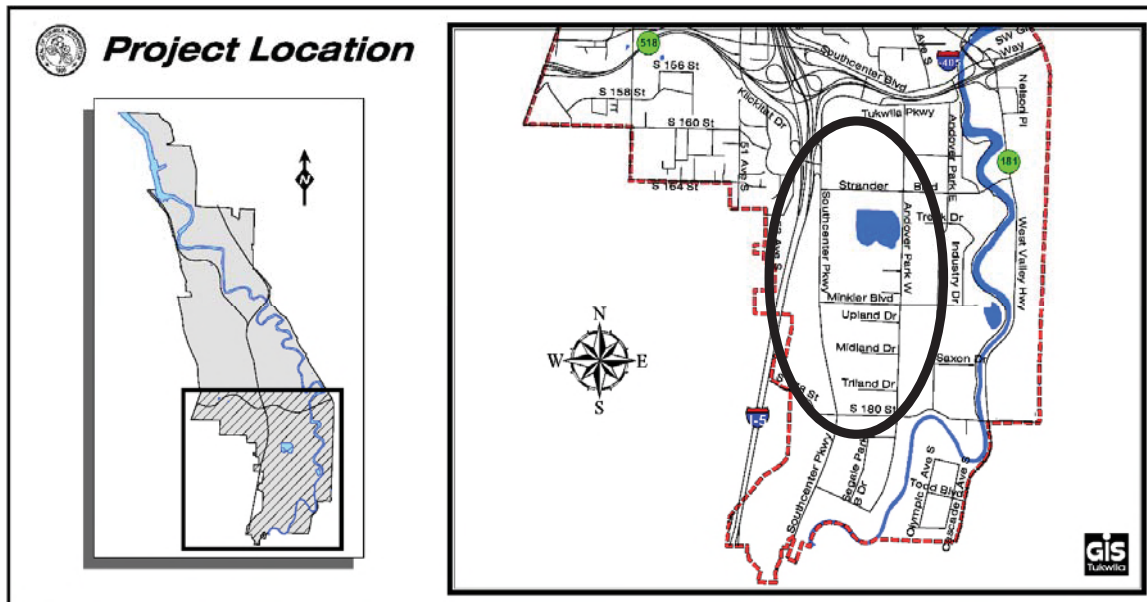
JUSTIFICATION: If the pipe collapses, the street will have to be excavated and the cost of the repairs will be significant. We have had four major pipe failures on Andover Park West and Andover Park East.

STATUS: In 2014 and 2015, over 10,500 feet of asbestos sanitary sewer pipe were relined. In 2020 through 2024, 15,000 feet of asbestos sewer is scheduled to be relined.

MAINT. IMPACT: Reduced maintenance and repair costs.

COMMENT: A Public Works Trust Fund loan was successfully obtained in 2012 for \$750k.

FINANCIAL (in \$000's)	Through Estimated									TOTAL
	2019	2020	2021	2022	2023	2024	2025	2026	BEYOND	
EXPENSES										
Design	436	45	45	50	50	50				676
Land (R/W)	1									1
Const. Mgmt.	429	120	150	120	50	50				919
Construction	2,418	1,100	1,500	1,000	450	450				6,918
TOTAL EXPENSES	3,284	1,265	1,695	1,170	550	550	0	0	0	8,514
FUND SOURCES										
Awarded Grant										0
PW Trust Fund	750									750
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	2,534	1,265	1,695	1,170	550	550	0	0	0	7,764
TOTAL SOURCES	3,284	1,265	1,695	1,170	550	550	0	0	0	8,514



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2021 to 2026

PROJECT: Sewer Lift Station No. 2 Upgrades Project No. 90440205

DESCRIPTION: Install new pumps, motors, control system, backup generator and 2,700 LF of force main from Minkler Blvd to Strander Blvd.

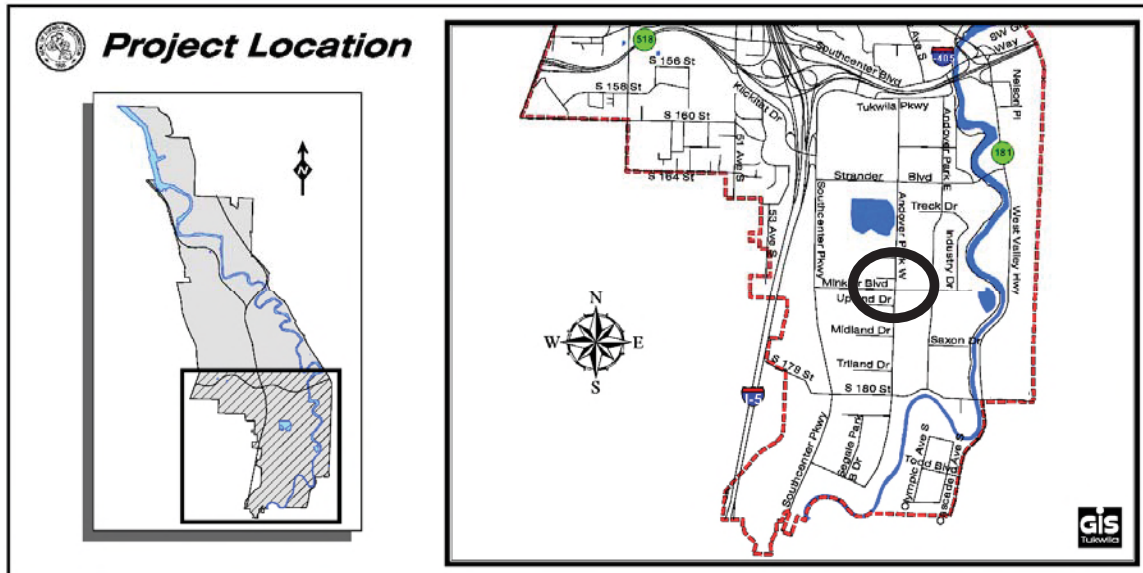
JUSTIFICATION: Sewer Lift Station No. 2 upgrade will account for the future full development of Tukwila South.

STATUS: Generator replacement, concrete slab, pump upsizing, and replacement of pump's motor control system are scheduled for 2020/2021

MAINT. IMPACT: Reduce liability if the existing slab breaks the power connection at the sewer lift station.

COMMENT: See Tukwila South development agreement for future funding and ULID requirements.

FINANCIAL (in \$000's)	Through Estimated									TOTAL
	2019	2020	2021	2022	2023	2024	2025	2026	BEYOND	
EXPENSES										
Design	102	30							100	232
Land (R/W)										0
Const. Mgmt.		50	20						200	270
Construction	35	800	150						2,000	2,985
TOTAL EXPENSES	137	880	170	0	0	0	0	0	2,300	3,487
FUND SOURCES										
Awarded Grant										0
Proposed Bond/ULID									2,300	2,300
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	137	880	170	0	0	0	0	0	0	1,187
TOTAL SOURCES	137	880	170	0	0	0	0	0	2,300	3,487



CITY OF TUKWILA
DEPARTMENT OF PUBLIC WORKS
Lift Station #2 and Forcemain Improvements
BID TABULATION

Tukwila Project # 90440205
 April 15, 2021

Correction
 Apparent Low Bidder

No.	Item	Qty	Unit	Engineer's Estimate		McClure and Sons, Inc		Razz Construction, Inc.		Award Construction, Inc	
				Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
Roadway											
1	HMA 1/2" PG 58H-22	70	TN	\$ 250.00	\$ 17,500.00	\$ 278.00	\$ 19,460.00	\$ 250.00	\$ 17,500.00	\$ 240.00	\$ 16,800.00
2	Crushed Surfacing Top Course	550	TN	\$ 50.00	\$ 27,500.00	\$ 65.00	\$ 35,750.00	\$ 60.00	\$ 33,000.00	\$ 75.00	\$ 41,250.00
3	2" to 4" Base Rock	150	TN	\$ 50.00	\$ 7,500.00	\$ 62.00	\$ 9,300.00	\$ 75.00	\$ 11,250.00	\$ 95.00	\$ 14,250.00
4	Roadway Surveying	1	LS	\$ 15,000.00	\$ 15,000.00	\$ 5,900.00	\$ 5,900.00	\$ 3,000.00	\$ 3,000.00	\$ 12,500.00	\$ 12,500.00
5	2" Grind and Overlay	1590	SY	\$ 20.00	\$ 31,800.00	\$ 25.00	\$ 39,750.00	\$ 26.00	\$ 41,340.00	\$ 47.00	\$ 74,730.00
Sidewalk											
6	Cement Concrete Sidewalk	50	SY	\$ 90.00	\$ 4,500.00	\$ 230.00	\$ 11,500.00	\$ 90.00	\$ 4,500.00	\$ 100.00	\$ 5,000.00
7	Curb and Gutter	125	LF	\$ 50.00	\$ 6,250.00	\$ 43.00	\$ 5,375.00	\$ 36.00	\$ 4,500.00	\$ 45.00	\$ 5,625.00
8	Curb with No Gutter	65	LF	\$ 30.00	\$ 1,950.00	\$ 41.00	\$ 2,665.00	\$ 27.00	\$ 1,755.00	\$ 44.00	\$ 2,860.00
Traffic Control Devices											
9	Project Temporary Traffic Control	1	LS	\$ 12,000.00	\$ 12,000.00	\$ 43,000.00	\$ 43,000.00	\$ 160,000.00	\$ 160,000.00	\$ 100,000.00	\$ 100,000.00
Roadside Development											
10	Plantings	8	EA	\$ 250.00	\$ 2,000.00	\$ 1,900.00	\$ 15,200.00	\$ 300.00	\$ 2,400.00	\$ 600.00	\$ 4,800.00
Sanitary Sewer											
11	Mobilization	1	LS	\$ 85,000.00	\$ 85,000.00	\$ 8,000.00	\$ 8,000.00	\$ 145,000.00	\$ 145,000.00	\$ 116,500.00	\$ 116,500.00
12	Temporary Water Pollution/Erosion Control	1	LS	\$ 7,500.00	\$ 7,500.00	\$ 1,050.00	\$ 1,050.00	\$ 15,000.00	\$ 15,000.00	\$ 20,000.00	\$ 20,000.00
13	Unexpected Site Changes	1	FA	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00
14	Generator Building	1	LS	\$ 50,000.00	\$ 50,000.00	\$ 37,000.00	\$ 37,000.00	\$ 40,000.00	\$ 40,000.00	\$ 28,000.00	\$ 28,000.00
15	Generator Concrete Pad	1	LS	\$ 25,000.00	\$ 25,000.00	\$ 8,900.00	\$ 8,900.00	\$ 20,000.00	\$ 20,000.00	\$ 20,500.00	\$ 20,500.00
16	Generator	1	LS	\$ 100,000.00	\$ 100,000.00	\$ 60,000.00	\$ 60,000.00	\$ 80,000.00	\$ 80,000.00	\$ 70,000.00	\$ 70,000.00
17	Electrical	1	LS	\$ 336,000.00	\$ 336,000.00	\$ 176,450.00	\$ 176,450.00	\$ 170,000.00	\$ 170,000.00	\$ 100,000.00	\$ 100,000.00
18	Modification to Ex. 96-inch Dia. Manhole	1	LS	\$ 20,000.00	\$ 20,000.00	\$ 36,000.00	\$ 36,000.00	\$ 40,000.00	\$ 40,000.00	\$ 36,500.00	\$ 36,500.00
19	24-Foot Replacement Ladder	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 9,700.00	\$ 9,700.00	\$ 7,500.00	\$ 7,500.00	\$ 7,200.00	\$ 7,200.00
20	15-Foot Replacement Ladder	1	LS	\$ 4,000.00	\$ 4,000.00	\$ 8,500.00	\$ 8,500.00	\$ 5,000.00	\$ 5,000.00	\$ 7,500.00	\$ 7,500.00
21	Demolition of Existing Pumps/Piping	1	LS	\$ 15,000.00	\$ 15,000.00	\$ 50,000.00	\$ 50,000.00	\$ 20,000.00	\$ 20,000.00	\$ 24,000.00	\$ 24,000.00
22	40HP Submersible Pump	3	EA	\$ 62,500.00	\$ 187,500.00	\$ 69,000.00	\$ 207,000.00	\$ 62,000.00	\$ 186,000.00	\$ 62,000.00	\$ 186,000.00
23	New Piping and Valves within Lift Station	1	LS	\$ 75,000.00	\$ 75,000.00	\$ 210,000.00	\$ 210,000.00	\$ 138,000.00	\$ 138,000.00	\$ 185,000.00	\$ 185,000.00
24	Reinstallation of Davit Arm Base	2	EA	\$ 500.00	\$ 1,000.00	\$ 245.00	\$ 490.00	\$ 1,500.00	\$ 3,000.00	\$ 450.00	\$ 900.00
25	Socket Base Foundation	1	EA	\$ 500.00	\$ 500.00	\$ 1,000.00	\$ 1,000.00	\$ 1,500.00	\$ 1,500.00	\$ 5,000.00	\$ 5,000.00
26	Permanent Sewer Bypass/Mag Meter Vault	1	LS	\$ 50,000.00	\$ 50,000.00	\$ 84,000.00	\$ 84,000.00	\$ 95,000.00	\$ 95,000.00	\$ 105,000.00	\$ 105,000.00
27	Temporary Bypass Pumping	1	LS	\$ 30,000.00	\$ 30,000.00	\$ 83,000.00	\$ 83,000.00	\$ 40,000.00	\$ 40,000.00	\$ 78,500.00	\$ 78,500.00
28	Geotextile	1	LS	\$ 1,000.00	\$ 1,000.00	\$ 315.00	\$ 315.00	\$ 400.00	\$ 400.00	\$ 400.00	\$ 400.00
29	Demolition	1	LS	\$ 10,000.00	\$ 10,000.00	\$ 27,000.00	\$ 27,000.00	\$ 30,000.00	\$ 30,000.00	\$ 32,000.00	\$ 32,000.00
30	Cleaning of Pump Station Wet Well	1	LS	\$ 2,500.00	\$ 2,500.00	\$ 16,000.00	\$ 16,000.00	\$ 7,500.00	\$ 7,500.00	\$ 4,000.00	\$ 4,000.00
31	Painting	2,500	SF	\$ 5.00	\$ 12,500.00	\$ 5.00	\$ 12,500.00	\$ 5.00	\$ 12,500.00	\$ 10.75	\$ 26,875.00
32	18-Inch Magnetic Flow Meter	1	LS	\$ 7,500.00	\$ 7,500.00	\$ 15,500.00	\$ 15,500.00	\$ 20,000.00	\$ 20,000.00	\$ 14,000.00	\$ 14,000.00
33	Shoring & Trench Safety	1	LS	\$ 50,000.00	\$ 50,000.00	\$ 20,600.00	\$ 20,600.00	\$ 10,000.00	\$ 10,000.00	\$ 30,000.00	\$ 30,000.00
34	18" D.I. Forcemain	200	LF	\$ 375.00	\$ 75,000.00	\$ 550.00	\$ 110,000.00	\$ 375.00	\$ 75,000.00	\$ 460.00	\$ 92,000.00
35	Connection to Existing Manhole	1	LS	\$ 12,500.00	\$ 12,500.00	\$ 15,900.00	\$ 15,900.00	\$ 12,000.00	\$ 12,000.00	\$ 25,000.00	\$ 25,000.00
Sale Tax 10.1%					\$ 132,663.50		\$ 142,592.31		\$ 149,242.15		\$ 153,286.69
				TOTAL ESTIMATE	\$ 1,446,163.50	TOTAL BID	\$ 1,554,397.31	TOTAL BID	\$ 1,626,887.15	TOTAL BID	\$ 1,670,976.69