



City of Tukwila Transportation and Infrastructure Services Committee

- ❖ Kate Kruller, Chair
- ❖ Mohamed Abdi
- ❖ Tosh Sharp

Distribution: K. Kruller C. Hougardy T. Sharp H. Ponnekanti S. Kim (email) G. Lerner (email)	City Attorney (email) Clerk File Copy Place pkt pdf on SharePoint Z Trans & Infra Agendas email cover to: F. Ayala, A. Le, C. O'Flaherty, A. Youn, B. Saxton, S. Norris, L. Humphrey
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AGENDA

MONDAY, SEPTEMBER 19, 2022 – 5:30 PM

HYBRID MEETING – ONSITE AND VIRTUAL

DUWAMISH CONFERENCE ROOM, 6300 BUILDING, 2ND FLR

MS Teams: [Click here to join the meeting](#)

**Virtual Meeting - Members of the public may listen by dialing 1-253-292-9750 and entering conference ID 96968911#
6300 BUILDING, SUITE 100)**

Item	Recommended Action	Page
1. PRESENTATIONS		
2. BUSINESS AGENDA		
a) Proposed 23-24 Biennial Budget: Residential & Arterial Streets (G. Lerner)	a) Forward to the 09/26/22 Committee of the Whole	Pg. 1
b) Stormwater Management Action Plan - Department of Ecology Water Quality Grant Award (B. Robinson)	b) Forward to the 10/03/22 Consent Agenda	Pg. 37
c) Stormwater Quality Retrofit Project - Department of Ecology Grant Award and Acceptance (B. Robinson)	c) Forward to the 10/03/22 Consent Agenda	Pg. 43
d) Green River Trail Improvements Amendment No.1 (C. Knighton)	d) Forward to the 10/03/22 Consent Agenda	Pg. 49
e) Chinook Wind Public Access Project Amendment No. 2 (M. Perfetti)	e) Forward to the 10/03/22 Consent Agenda	Pg. 77
f) 2022 GIS Utility Inventory Design Consultant Selection and Agr. (S. Edquid)	f) Forward to the 10/03 /22 Special Consent Agenda	Pg. 83
3. MISCELLANEOUS		

Next Scheduled Meeting: October 3, 2022



INFORMATIONAL MEMORANDUM

TO: **Transportation and Infrastructure Services Committee**
FROM: **Hari Ponnekanti, Public Works Director**
BY: **Griffin Lerner, Public Works Analyst**
CC: **Mayor Allan Ekberg**
DATE: **September 16, 2022**
SUBJECT: **Proposed 2023-2024 Biennial Budget**
Residential and Arterial Streets

ISSUE

Review Proposed 2023-2024 Biennial Budget and Capital Improvement Programs for Residential and Arterial Streets.

BACKGROUND

The City’s Public Works Department manages Residential and Arterial Streets Programs to provide for public health, safety, and welfare through the design and construction of streets infrastructure. These programs are represented by Capital Funds 103 & 104, respectively. For the next biennium, these Capital Funds will not be receiving any General Fund transfers, relying solely on dedicated revenues, grants, and the existing fund balances.

DISCUSSION & FISCAL IMPACT

Residential Streets - 103 Fund

- S 119th Bridge/42nd Ave S Raised Crosswalk – to be constructed in 2023.
- S 152nd St Safe Routes to School – 100% Grant-funded design began in 2022. Grants permitting, construction to begin in 2023.
- 46th Ave S Safe Routes to School – Grants permitting, design to begin in 2023 and construction to begin in 2024.
- Continued investment in Traffic Calming/Residential Safety Improvements with ARPA funding of \$400,000 in 2023 and 2024.

Arterial Streets - 104 Fund

- West Valley Highway – due to be complete in early 2023.
- 42nd Ave Bridge – Full \$32 Million cost of bridge replacement is funded by grants; due to complete 100% design by end of 2024.
- Allentown EIS – due to be complete in early 2024
- Green River Trail Improvements – construction will conclude by end of 2023.
- Transportation Element of Comprehensive Plan – planning began in 2022, will conclude in 2023.
- Annual Overlay, ADA improvements, & Bridge Inspections – continuing as planned

RECOMMENDATION

Transportation and Infrastructure Committee approval to forward the Residential and Arterial Street funds 103 and 104 section of the 2023-2024 Biennial Budget to the Committee of the Whole.

DEPARTMENT: Public Works (103)
FUND: Residential Street
RESPONSIBLE MANAGER: Hari Ponnekanti

DIVISION: Residential Streets
FUND NUMBER: 103
POSITION: Public Works Director

Description

The program provides for maintenance, lane widening, curbs and gutters, sidewalks, illumination and undergrounding of utilities of the residential street system.

2021-2022 Accomplishments

- ◆ Completed numerous improvements for the Traffic Calming/Residential Safety Program that included an Allentown Speed & Safety Study, two new RRFB crosswalks at Tukwila Community Center, an ADA ramp and revised RRFB crossing at 144th and 46th Ave S, two speed cushion sets on S 140th Street between TIB and 33rd PI S, two sets of speed cushions on 37th Avenue S between S144th St and S 142nd St, curb bulbs at S 140th Street at 37th Avenue S, and three new streetlights **Strategic Goals 1, 3, & 5**
- ◆ Received \$369,000 in grant funding and began design on S 152nd S Routes to School **Strategic Goals 1, 3, & 5**
- ◆ Received \$320,000 from Transportation Improvement Board in support of Macadam Complete Streets **Strategic Goals 1, 3, & 5**
- ◆ Added sidewalks to east side of roadway on Macadam Road S between Southcenter Blvd and S 144th St. **Strategic Goals 1, 3, & 5**

2023-2024 Outcome Goals

- ◆ Improve pedestrian safety in neighborhoods.

2023-2024 Indicators of Success

- ◆ Continue improvements for the Traffic Calming/Residential Safety Program.
- ◆ Complete design and construction of South 152nd St Safe Routes to School Project.
- ◆ Begin design of the Macadam Road S Complete Street and 46th Ave South Safe Route to School Projects.

Revenue and Expenditure Summary

Residential Street Fund								
	Actual			Budget			Percent Change	
	2020	2021	Projected 2022	2022	2023	2024	2022-2023	2023-2024
Operating Revenue								
General Revenue								
Utility Taxes - Solid Waste	\$ -	\$ -	\$ -	\$ -	\$ 650,000	\$ 100,000	0.0%	-84.6%
MVFT	267,504	294,508	284,800	250,000	268,800	268,800	7.5%	0.0%
Total General Revenue	267,504	294,508	284,800	250,000	918,800	368,800	267.5%	-59.9%
Miscellaneous Revenue								
Investment Earnings	-	667	1,000	20,000	1,000	1,000	-95.0%	0.0%
Total Miscellaneous Revenue	-	667	1,000	20,000	1,000	1,000	-95.0%	0.0%
Total Operating Revenue	267,504	295,175	285,800	270,000	919,800	369,800	240.7%	-59.8%
Capital Project Revenue								
Grant Revenues	-	-	689,510	3,186,000	4,033,000	2,356,000	26.6%	-41.6%
Road/Street Construction Svcs	(145,296)	-	-	-	-	-	0.0%	0.0%
Total Capital Project Revenue	(145,296)	-	689,510	3,186,000	4,033,000	2,356,000	26.6%	-41.6%
Transfers In - General Fund	1,050,000	-	-	-	-	-	0.0%	0.0%
Transfers In - ARPA	-	100,000	400,000	400,000	400,000	400,000	0.0%	0.0%
Total Revenue	1,172,208	395,175	1,375,310	3,856,000	5,352,800	3,125,800	38.8%	-41.6%
Capital Projects								
42nd Ave S Phase III W/Inid Monitor	15,559	2,717	-	-	-	-	0.0%	0.0%
Traffic Calming/Residential Safety	80,667	151,995	400,000	400,000	650,000	575,000	62.5%	-11.5%
53rd Ave S	381,332	34,983	-	-	154,000	-	0.0%	-100.0%
42nd Ave S Phase III (SC Blvd-160)	331,323	87	-	-	333,000	-	0.0%	-100.0%
S 152nd St Safe Routes to School	-	2,498	435,213	2,600,000	4,015,000	-	54.4%	-100.0%
46th Ave s Safe Routes to School	-	-	-	510,000	510,000	2,070,000	0.0%	305.9%
Macadam Rd s Complete Street	-	-	400,000	500,000	-	500,000	-100.0%	0.0%
S 119th St Bridge/42nd Ave S	-	-	-	-	250,000	-	0.0%	-100.0%
Total Capital Projects	808,881	192,280	1,235,213	4,010,000	5,912,000	3,145,000	47.4%	-46.8%
Beginning Fund Balance	141,586	504,912	707,807	707,807	847,904	288,704	19.8%	-66.0%
Change in Fund Balance	363,327	202,895	140,097	(154,000)	(559,200)	(19,200)	263.1%	-96.6%
Ending Fund Balance (Net Working Capital)	\$ 504,912	\$ 707,807	\$ 847,904	\$ 553,807	\$ 288,704	\$ 269,504	-47.9%	-6.7%

General Ledger Code Details

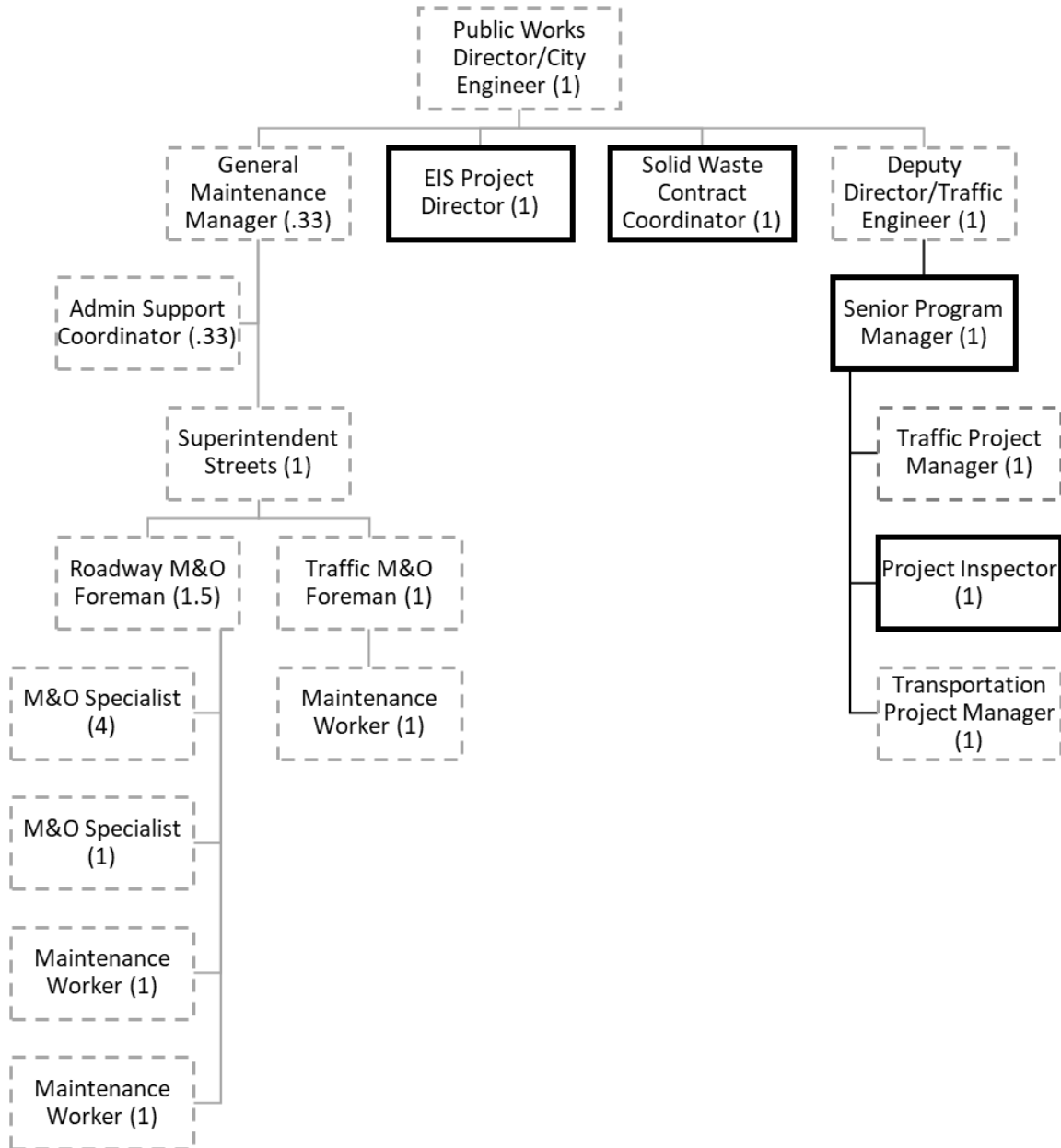
Revenues

GL Account Code	Account Description	Actual		Projected	Budget		
		2020	2021	2022	2022	2023	2024
Operating Revenues							
PW103100-316451	Utility Tx-Solid Waste Streets	\$ -	\$ -	\$ -	\$ -	\$ 650,000	\$ 100,000
PW103100-334039	State Grant-Transp Projects	-	-	180,510	-	-	-
PW103100-336071	Multimodal Transportation-City	28,531	28,740	28,000	-	28,800	28,800
PW103100-336087	MVFT Cities	238,972	265,767	256,800	250,000	240,000	240,000
PW103100-337721	Sound Transit System Access Fd	-	-	-	-	-	-
PW103100-361110	Investment Interest	-	667	1,000	20,000	1,000	1,000
Total Operating Revenues		267,504	295,174	466,310	270,000	919,800	369,800
Capital Project Revenues							
PW103100-333202	DOT Indirect Fed Grant	-	-	369,000	2,736,000	-	-
PW103100-334035	State Agencies	-	-	140,000	450,000	-	-
PW103100-344100	Road/Street Maint/Repair Chrgs	(145,296)	-	-	-	-	-
PW103640-334039	State Grant-Transp Projects	-	-	-	-	4,033,000	2,356,000
Total Capital Project Revenues		(145,296)	-	509,000	3,186,000	4,033,000	2,356,000
PW103100-730000	Transfer In from General Fund	1,050,000	100,000	400,000	400,000	400,000	400,000
Non-Operating Revenues		1,050,000	100,000	400,000	400,000	400,000	400,000
Total Revenues		\$ 1,172,207	\$ 395,174	\$ 1,375,310	\$ 3,856,000	\$ 5,352,800	\$ 3,125,800

Expenses

GL Account Code	Account Description	Actual		Projected 2022	Budget		
		2020	2021		2022	2023	2024
PW103100-511000	Salaries	11,697	12,593	46,158	-	-	-
PW103100-512000	Extra Labor	-	418	-	-	-	-
PW103100C-511000	Salaries	90,665	-	-	-	-	-
PW103100C-513000	Overtime	124	-	-	-	-	-
PW103800C-511000	Salaries	-	873	4,503	-	-	-
Total Salaries & Wages		102,486	13,884	50,661	-	-	-
PW103100-521000	FICA	894	972	3,513	-	-	-
PW103100-523000	PERS	1,515	1,546	4,731	-	-	-
PW103100-524000	Industrial Insurance	383	311	958	-	-	-
PW103100-525000	Medical, Dental, Life, Optical	75	44	236	-	-	-
PW103100-525097	Self-Insured Medical & Dental	2,540	2,337	8,909	-	-	-
PW103100C-521000	FICA	6,911	-	-	-	-	-
PW103100C-523000	PERS	11,695	-	-	-	-	-
PW103100C-524000	Industrial Insurance	1,235	-	-	-	-	-
PW103100C-525000	Medical, Dental, Life, Optical	831	-	92	-	-	-
PW103100C-525097	Self-Insured Medical & Dental	18,481	-	-	-	-	-
PW103200-524000	Industrial Insurance	(9)	-	-	-	-	-
PW103800C-521000	FICA	-	66	340	-	-	-
PW103800C-523000	PERS	-	89	462	-	-	-
PW103800C-524000	Industrial Insurance	-	6	49	-	-	-
PW103800C-525000	Medical, Dental, Life, Optical	-	4	13	-	-	-
PW103800C-525097	Self-Insured Medical & Dental	-	113	695	-	-	-
Total Personnel Benefits		44,553	5,488	19,998	-	-	-
PW103100-531000	Supplies-General	-	-	68	-	-	-
PW103100-531001	Office Supplies	-	-	21	-	-	-
PW103100-531003	Operating Supplies	59	74,293	-	-	-	-
PW103100-532002	Maintenance Supplies	88	-	-	-	-	-
PW103100-532004	Irrigation Supplies	-	28	-	-	-	-
PW103100-535000	Small Tool & Minor Equipment	-	46,862	(180)	-	-	-
PW103640-531003	Operating Supplies	1,161	1,082	-	-	-	-
PW103640-532000	Repairs & Maint Supplies	-	-	-	-	-	-
PW103640-532001	Repair Supplies	-	6,936	-	-	-	-
PW103640-532002	Maintenance Supplies	-	-	4,046	-	-	-
PW103640-535000	Small Tool & Minor Equipment	982	-	306,845	400,000	-	-
PW103640-535004	Traffic Control Devices/Tools	37,945	17,706	-	-	-	-
Total Supplies		40,235	146,908	310,800	400,000	-	-
PW103100-541000	Professional Services	(18,720)	-	11,271	-	-	-
PW103100-541007	Contracted Services	23,474	-	64,641	-	-	-
PW103100-549004	Employee Appreciation Svcs	-	-	105	-	-	-
PW103100C-541007	Contracted Services	-	-	80,000	-	-	-
PW103100C-544000	Advertising	-	1,347	-	-	-	-
PW103200-541000	Professional Services	(1,401)	-	155	-	-	-
PW103200-541007	Contracted Services	16,813	2,688	3,490	-	-	-
PW103300-548000	Repair & Maint Services	-	7,573	-	-	-	-
PW103640-541007	Contracted Services	-	-	-	-	575,000	770,000
PW103640C-541007	Contracted Services	-	-	-	-	-	-
PW103700C-548000	Repair & Maint Services	-	14,392	-	-	-	-
Total Services & Passthrough Pmts		20,165	26,000	159,661	-	575,000	770,000
PW103100C-565000	Construction Projects	48,581	-	66,213	1,070,000	-	-
PW103200C-565001	Right of Way	-	-	-	340,000	-	-
PW103300C-565000	Construction Projects	377,595	-	627,880	2,200,000	487,000	-
PW103610C-565000	Construction Projects	34,755	-	-	-	-	-
PW103630C-565000	Construction Projects	55,957	-	-	-	-	-
PW103640-565005	Traffic Control Devices	-	-	-	-	4,850,000	2,375,000
PW103640C-565000	Construction Projects	14,462	-	-	-	-	-
PW103640C-565005	Traffic Control Devices	-	-	-	-	-	-
PW103700C-565000	Construction Projects	70,092	-	-	-	-	-
Total Capital Expenditures		601,442	-	694,093	3,610,000	5,337,000	2,375,000
Total Expenditures		\$ 808,881	\$ 192,280	\$ 1,235,213	\$ 4,010,000	\$ 5,912,000	\$ 3,145,000

Arterial Street Fund



DEPARTMENT: Public Works (104)
FUND: Bridges and Arterial Streets
RESPONSIBLE MANAGER: Hari Ponnekanti

DIVISION: Bridges and Arterial Streets
FUND NUMBER: 104
POSITION: Public Works Director

Description

This program provides for the preliminary engineering, right-of-way, construction engineering, and construction of arterial streets and bridges. The program includes transportation comprehensive plans, streets, bridges, sidewalks, traffic control devices, widening, and lane additions. One-quarter percent real estate excise tax (REET) are used to fund projects.

2021-2022 Accomplishments

- ◆ Completed Annual Overlay and Repair and Annual Signal programs in 2021 and 2022. **Strategic Plan Goals 1, 3 & 5**
- ◆ Completed Annual Bridge Inspections and Repair Program in 2021 and 2022. **Strategic Plan Goals 1, 3 & 5**
- ◆ Completed construction of Boeing Access Road over Airport Way Seismic Retrofit Project. **Strategic Plan Goals 1, 3 & 5**
- ◆ Substantially completed construction of the West Valley Highway. **Strategic Plan Goals 1, 3 & 5**
- ◆ Achieved full funding for \$32 million 42nd Ave Bridge Replacement & completed 30% design. **Strategic Plan Goals 1, 3 & 5**
- ◆ Received \$989,000 in grant funding to support Green River Trail Improvements. **Strategic Plan Goals 1, 3 & 5**
- ◆ Began Transportation Element of Comprehensive Plan. **Strategic Plan Goals 1, 3 & 5**
- ◆ Hired Project Director to oversee Environmental Impact Statement for Allentown Truck Reroute; contracted with consultant to lead study. **Strategic Plan Goals 1, 3 & 5**

2023-2024 Outcome Goals

- ◆ Improve capacity, safety, and condition of arterial streets.

2023-2024 Indicators of Success

- ◆ Complete Annual Overlay and Repair and Annual Signal programs in 2023 and 2024.
- ◆ Complete Annual Bridge Inspections and Repair Program for 2023 and 2024.
- ◆ Complete 100% design of the 42nd Ave S Bridge Replacement Project.
- ◆ Complete construction of Green River Trail Improvements.
- ◆ Complete the Transportation Element of the Comprehensive Plan.
- ◆ Complete Environmental Impact Statement for Allentown Truck Reroute.
- ◆ Complete construction of Southcenter Blvd/65th Ave Traffic Signal.

Revenue and Expenditure Summary

Bridges & Arterial Street Fund								
	Actual			Budget			Percent Change	
	2020	2021	Projected 2022	2022	2023	2024	2022-2023	2023-2024
Operating Revenue								
General Revenue								
Utility Taxes - Solid Waste	\$ -	\$ 1,047,023	\$ 1,131,102	\$ 800,000	\$ 490,000	\$ 1,100,000	-38.8%	124.5%
Parking Tax	199,524	488,144	670,870	400,000	600,000	600,000	50.0%	0.0%
Real Estate Excise Tax (REET)	320,567	1,516,767	1,097,301	500,000	500,000	500,000	0.0%	0.0%
Tech Fee	-	-	12,504	-	-	-		
Total General Revenue	520,091	3,051,933	2,911,777	1,700,000	1,590,000	2,200,000	-6.5%	38.4%
Miscellaneous Revenue								
Fines and Penalties	533	-	-	-	-	-	0.0%	0.0%
Other Income	12,200	104,100	137,565	80,000	80,000	80,000	0.0%	0.0%
Investment Earnings	13,462	933	8,284	30,000	5,000	5,000	-83.3%	0.0%
Total Miscellaneous Revenue	26,195	105,033	145,849	110,000	85,000	85,000	-22.7%	0.0%
Total Operating Revenue	546,286	3,156,966	3,057,626	1,810,000	1,675,000	2,285,000	-7.5%	36.4%
Capital Project Revenue								
Traffic Impact Fees	406,730	251,088	273,342	161,000	200,000	200,000	24.2%	0.0%
Franchise Fees	-	-	-	-	75,000	450,000	0.0%	500.0%
Grant Revenues	1,380,699	1,261,113	5,951,902	6,400,000	2,779,000	16,225,000	-56.6%	483.8%
State Entitlements	137,423	150,215	145,960	140,000	144,800	144,800	3.4%	0.0%
Total Capital Project Revenue	1,924,852	1,662,416	6,371,204	6,701,000	3,198,800	17,019,800	-52.3%	432.1%
Transfers In - General Fund	-	1,666,850	1,300,000	1,700,000	-	-	-100.0%	0.0%
Total Revenue	2,471,138	6,486,232	10,728,830	10,211,000	4,873,800	19,304,800	-52.3%	296.1%
Capital Projects								
Salaries & Benefits (Overhead)	271,012	203,837	-	343,099	162,662	559,451	-52.6%	243.9%
Public Records Request	915	-	86	-	-	-	0.0%	0.0%
Wetland Monitoring	35,417	21,413	5,000	60,000	60,000	70,000	0.0%	16.7%
TIB Channelization Study	19,920	-	-	-	-	-	0.0%	0.0%
Traffic Calming/Res Safety	3,368	82	-	-	-	-	0.0%	0.0%
Traffic Counts	5,300	10,550	19,225	-	-	-	0.0%	0.0%
Annual Traffic Signals	44,829	22,020	40,000	50,000	130,000	130,000	160.0%	0.0%
Transportation Element of Comp Plan	1,338	-	397,000	-	300,000	70,000	0.0%	-76.7%
TUC Pedestrian/Bicycle Bridge	8,814	38,593	-	-	-	-	0.0%	0.0%
Boeing Access Rd Bridge/Airport Wy	855,939	1,114,766	11,559	-	-	-	0.0%	0.0%
S 196th/200th St Bridge	1,304	-	-	-	-	-	0.0%	0.0%
42nd Ave S Bridge Replacement	97,489	450,591	454,933	1,400,000	1,500,000	15,725,000	7.1%	948.3%
Overlay & Repair	485,692	1,280,300	1,650,000	1,400,000	1,400,000	1,400,000	0.0%	0.0%
Bridge Inspections	32,929	31,812	75,000	75,000	200,000	205,000	166.7%	2.5%
Strander Blvd Extension	625,428	-	-	-	-	-	0.0%	0.0%
West Valley Hwy (I-405-Strander Blvd)	455,825	327,983	4,498,000	3,200,000	-	-	-100.0%	0.0%
Boeing Access Rd Bridge Rehab	16	-	-	-	-	-	0.0%	0.0%
S 144th St Phase II (42nd Ave S - TIB)	161	-	-	-	-	-	0.0%	0.0%
42nd Ave Bridge Emergency Repair	-	192,984	62,746	-	-	-	0.0%	0.0%
ADA Improvements	-	16,103	35,000	35,000	100,000	50,000	185.7%	-50.0%
Allentown Truck Reroute	-	27,200	300,000	1,300,000	900,000	-	-30.8%	-100.0%
S 144th St Bridge - Sidewalks	-	-	4,000	-	-	-	0.0%	0.0%
Green River Trail Improvements	-	-	287,589	1,200,000	1,297,000	-	8.1%	-100.0%
Southcenter Blvd/65th Ave Signal	-	-	-	100,000	100,000	1,000,000	0.0%	900.0%
APE/Industry Dr Intersection	-	-	-	144,000	-	-	-100.0%	0.0%
Total Capital Projects	2,945,696	3,738,235	7,840,139	9,307,099	6,149,662	19,209,451	-33.9%	212.4%
Transfers Out - General Fund	190,106	485,000	-	-	-	-	0.0%	0.0%
Total Expenditures	3,135,802	4,223,235	7,840,139	9,307,099	6,149,662	19,209,451	-33.9%	212.4%
Beginning Fund Balance	2,083,854	1,419,191	3,682,188	3,682,188	6,570,880	5,295,018	78.5%	-19.4%
Change in Fund Balance	(664,663)	2,262,998	2,888,691	903,901	(1,275,862)	95,349	-241.2%	-107.5%
Ending Fund Balance (Net Working Capital)	\$ 1,419,191	\$ 3,682,188	\$ 6,570,880	\$ 4,586,089	\$ 5,295,018	\$ 5,390,367	15.5%	1.8%

Salary and Benefit Details

Bridges & Arterial Streets							
Position Description	2022	2023	2023 Budget		2204	2204 Budget	
	FTE	FTE	Salaries	Benefits	FTE	Salaries	Benefits
Senior Program Manager	1	1	\$ 147,480	\$ 38,606	1	\$ 155,352	\$ 40,263
Transportation Project Manager	1	1	130,668	53,245	1	138,624	54,997
EIS Project Director	1	1	111,240	31,423	1	9,270	2,961
Solid Waste Contract Coordinator	0	0	-	-	1	108,276	49,708
Department Total	3	3	\$ 389,388	\$ 123,274	4	\$ 411,522	\$ 147,929

General Ledger Code Details

Revenues

GL Account Code	Account Description	Actual		Projected 2022	Budget		
		2020	2021		2022	2023	2024
Operating Revenues							
PW104100-316451	Utility Tx-Solid Waste Streets	\$ -	\$ 1,047,023	\$ 1,131,102	\$ 800,000	\$ 490,000	\$ 1,100,000
PW104100-318120	Parking Tax	199,524	488,144	670,870	400,000	600,000	600,000
PW104100-318350	REET 2 - Second Quarter Percnt	320,567	1,516,767	1,097,301	500,000	500,000	500,000
PW104100-321910	Franchise Fees	-	-	-	-	75,000	450,000
PW104100-322901	Oth Non-BL-Tech Fee	-	-	12,504	-	-	-
PW104100-336071	Multimodal Transportation-City	24,965	25,148	25,000	-	24,800	24,800
PW104100-336087	MVFT Cities	112,458	125,067	120,960	140,000	120,000	120,000
PW104100-359700	Penalty-Parking Tax	533	-	-	-	-	-
PW104100-361110	Investment Interest	13,462	933	8,284	30,000	5,000	5,000
Total Operating Revenues		671,508	3,203,081	3,066,021	1,870,000	1,814,800	2,799,800
Capital Project Revenues							
PW104100-333202	DOT Indirect Fed Grant	1,113,845	1,261,113	2,901,793	-	1,740,000	225,000
PW104100-333203	Federal Grant-DOT	-	-	-	1,400,000	-	-
PW104100-334037	WSDOT Reg Mobility Grant	-	-	-	900,000	-	-
PW104100-334039	State Grant-Transp Projects	266,854	-	2,650,110	4,100,000	1,039,000	16,000,000
PW104100-334041	Complete Streets-Transplmp Brd	-	-	400,000	-	-	-
PW104100-345840	Traffic Impact Fees	406,731	251,088	273,342	161,000	200,000	200,000
PW104100-367120	Plan/Development Contributions	-	-	13,065	50,000	50,000	50,000
PW104100-367121	Concurrency Fees	12,200	104,100	124,500	30,000	30,000	30,000
Total Capital Project Revenues		1,799,630	1,616,301	6,362,810	6,641,000	3,059,000	16,505,000
Other Revenues							
PW104100-730000	Transfer In from General Fund	-	1,592,102	1,300,000	1,700,000	-	-
PW104100-730301	Transfer In from 301	-	74,748	-	-	-	-
Total Revenues		\$ 2,471,138	\$ 6,486,232	\$ 10,728,830	\$ 10,211,000	\$ 4,873,800	\$ 19,304,800

Expenses

GL Account Code	Account Description	Actual		Projected	Budget		
		2020	2021	2022	2022	2023	2024
PW104100-511000	Salaries	\$ 254,820	\$ 204,765	\$ 66,442	\$ -	\$ 111,240	\$ 117,546
PW104100-513000	Overtime	41	-	-	-	-	-
PW104100C-511000	Salaries	64,406	109,210	158,537	-	-	-
PW104200-511000	Salaries	6,667	-	3,302	-	-	-
PW104800C-511000	Salaries	-	3,560	191,440	258,434	278,148	293,976
Total Salaries & Wages		325,934	317,535	419,721	258,434	389,388	411,522
PW104100-521000	FICA	19,300	15,401	5,075	-	8,510	8,992
PW104100-523000	PERS	32,870	23,494	6,810	-	11,673	12,459
PW104100-524000	Industrial Insurance	3,678	2,339	1,100	-	344	723
PW104100-524050	Paid Family & Med Leave Prem	502	383	130	-	179	188
PW104100-525000	Medical, Dental, Life, Optical	1,930	1,108	229	-	-	395
PW104100-525097	Self-Insured Medical & Dental	38,788	27,632	9,502	-	10,717	29,912
PW104100C-521000	FICA	4,894	8,571	12,087	-	-	-
PW104100C-523000	PERS	8,309	13,429	16,250	-	-	-
PW104100C-524000	Industrial Insurance	1,111	2,084	1,571	-	-	-
PW104100C-525000	Medical, Dental, Life, Optical	497	533	332	-	-	-
PW104100C-525097	Self-Insured Medical & Dental	9,256	22,819	27,393	-	-	-
PW104200-521000	FICA	500	-	246	-	-	-
PW104200-523000	PERS	857	-	339	-	-	-
PW104200-524000	Industrial Insurance	14	(1)	10	-	-	-
PW104200-525000	Medical, Dental, Life, Optical	73	-	6	-	-	-
PW104200-525097	Self-Insured Medical & Dental	562	-	400	-	-	-
PW104800C-521000	FICA	-	-	14,482	19,757	21,278	22,489
PW104800C-523000	PERS	-	-	19,623	25,362	29,189	31,158
PW104800C-524000	Industrial Insurance	-	-	965	677	2,826	2,967
PW104800C-524050	Paid Family & Med Leave Prem	-	-	412	366	447	470
PW104800C-525000	Medical, Dental, Life, Optical	-	-	1,178	2,277	1,284	1,348
PW104800C-525097	Self-Insured Medical & Dental	-	-	25,981	36,226	36,828	36,828
Total Personnel Benefits		123,143	117,790	144,121	84,665	123,274	147,929
PW104100-531003	Operating Supplies	376	352	-	-	-	-
PW104100-531004	Event Food	-	-	33	-	-	-
PW104100-532002	Maintenance Supplies	177	-	-	-	-	-
PW104100-532004	Irrigation Supplies	-	69	-	-	-	-
PW104100C-531004	Event Food	-	-	13	-	-	-
PW104640-535004	Traffic Control Devices/Tools	-	22,020	18,876	-	-	-
Total Supplies		553	22,441	18,922	-	-	-
PW104100-541000	Professional Services	538,305	(163,084)	300,000	300,000	-	-
PW104100-541006	Consulting Services	75,443	194,539	-	-	-	-
PW104100-541007	Contracted Services	25,670	296,890	33,304	-	1,340,000	525,000
PW104100-541010	Inspection Services & Permits	9,859	11,611	-	-	-	-
PW104100-544001	Legal & Public Notices	2,705	1,270	4	-	-	-
PW104100-547026	Surface Water utility	2,795	-	-	-	-	-
PW104100-548002	Maintenance Services	167,412	-	-	-	-	-
PW104100C-541000	Professional Services	-	-	596	-	-	-
PW104100C-541007	Contracted Services	204,900	197,404	147,480	-	-	-
PW104100C-544001	Legal & Public Notices	274	1,306	-	-	-	-
PW104200-541000	Professional Services	18,508	-	59,204	60,000	-	-
PW104200-541006	Consulting Services	4,214	-	-	-	-	-
PW104200-541007	Contracted Services	16,737	21,747	-	-	-	-
PW104200-541010	Inspection Services & Permits	10,524	-	-	-	-	-
PW104300-548001	Repair services	246,105	737,779	850,000	1,425,000	-	-
PW104300-548008	Non-Capital Improvements	-	-	-	-	1,400,000	1,400,000
PW104500-541007	Contracted Services	-	1,067,799	-	-	-	-
PW104500-548000	Repair & Maint Services	-	(1,039,468)	-	-	-	-
PW104500-548001	Repair services	-	180,564	-	-	-	-
PW104500C-548001	Repair services	-	-	1,392	-	-	-
PW104610-548001	Repair services	9,417	60,435	-	-	-	-
PW104640-541007	Contracted Services	-	99,850	-	-	-	-
PW104640-548000	Repair & Maint Services	47,594	-	-	-	-	-
PW104640-548001	Repair services	-	37,419	-	-	-	-
PW104640-548002	Maintenance Services	-	31,244	-	-	-	-
PW104700-541007	Contracted Services	-	8,739	-	-	-	-
Total Services & Passthrough Pmts		1,380,462	1,746,043	1,391,981	1,785,000	2,740,000	1,925,000

Expenses

GL Account Code	Account Description	Actual		Projected	Budget		
		2020	2021	2022	2022	2023	2024
PW104100C-565000	Construction Projects	508,646	665,327	1,251,924	2,244,000	1,297,000	-
PW104200C-565000	Construction Projects	-	-	-	-	100,000	1,000,000
PW104200C-565002	Roadway	-	-	-	1,300,000	-	-
PW104300C-565000	Construction Projects	-	-	3,127,470	2,200,000	-	-
PW104300C-565005	Traffic Control Devices	-	-	1,265	-	-	-
PW104500C-565000	Construction Projects	-	-	253,518	1,400,000	1,500,000	15,725,000
PW104500C-565005	Traffic Control Devices	-	-	52,978	-	-	-
PW104610C-565000	Construction Projects	-	-	251,765	-	-	-
PW104630C-565000	Construction Projects	-	-	189,528	-	-	-
PW104640C-565000	Construction Projects	-	-	590,107	-	-	-
PW104700C-565000	Construction Projects	-	-	146,838	-	-	-
PW104800C-564000	Machinery & Equipment	-	-	-	35,000	-	-
PW104800C-565000	Construction Projects	606,959	869,098	-	-	-	-
Total Capital Expenditures		1,115,605	1,534,425	5,865,394	7,179,000	2,897,000	16,725,000
PW104100-750301	Transfer Out to 301	190,106	485,000	-	-	-	-
Total Expenditures		\$ 3,135,802	\$ 4,223,235	\$ 7,840,139	\$ 9,307,099	\$ 6,149,662	\$ 19,051,467

**CITY OF TUKWILA CAPITAL PROJECT SUMMARY
2023 - 2028
RESIDENTIAL STREETS
103 Fund**

CIP Page #	PROJECT TITLE	2023	2024	2025	2026	2027	2028	TOTAL	**Other Sources	After Six Years
2	S 119th St Bridge/ 42nd Ave S Raised C	250	0	0	0	0	0	250	175	0
3	Traffic Calming/Residential Safety	650	575	650	650	650	650	3,825	1,425	650
4	S 152nd St Safe Routes to School	4,015	0	0	0	0	0	4,015	3,300	0
5	46th Ave S Safe Routes to School	510	2,070	0	0	0	0	2,580	2,064	0
6	Macadam Rd South Complete Street	0	500	3,100	0	0	0	3,600	3,250	0
7	42nd Ave S Phase IV (S 139 - S 131)	0	0	0	0	0	0	0	0	5,590
Grand Total		5,175	3,145	3,750	650	650	650	14,020	9,939	6,240

*** Denotes other funding sources, grants, or mitigation.*

Changes from 2021 to 2023 CIP:

Additions

S 119th St Bridge/ 42nd Ave S Raised Crosswalk and RRFB

CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: **S 119th St Bridge/ 42nd Ave S Raised Crosswalk and RRFB** Project No. 92210301

DESCRIPTION: Install raised crosswalk, curb bulbs, and a Rectangular Rapid Flashing Beacon on 42nd Ave S at the intersection of the S 119th street pedestrian bridge.

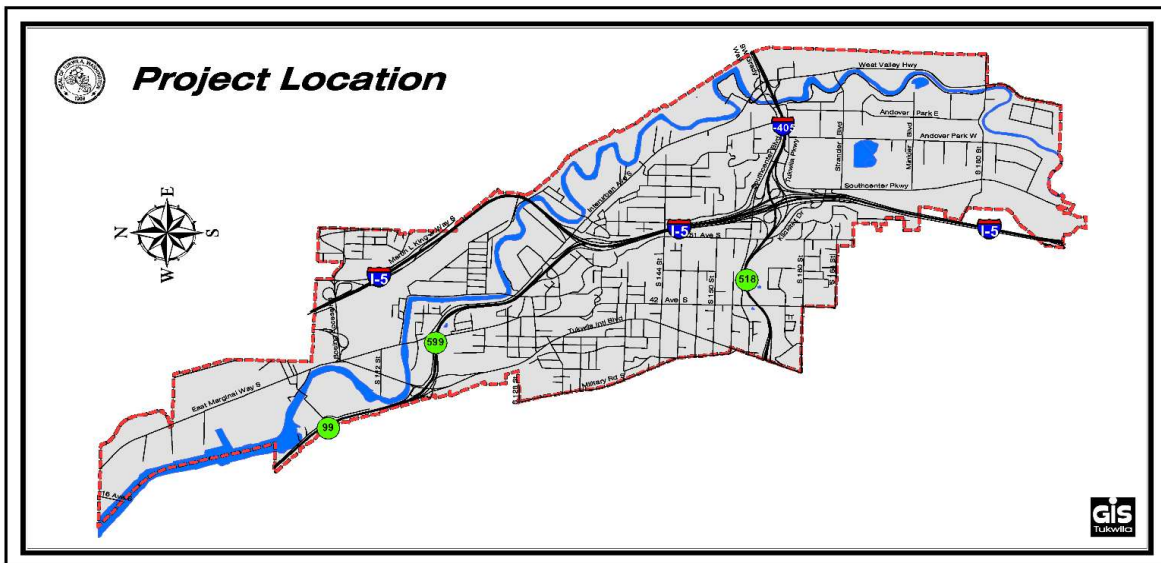
JUSTIFICATION: Enhance safety for pedestrians crossing at S 119th Street/42nd Ave S and encourages transportation choices for the neighborhood.

STATUS:

MAINT. IMPACT: New crosswalk and pedestrian flashing beacon will need to be maintained.

COMMENT: Residential improvements and traffic calming features to reduce speeds and improve pedestrian and bicycle safety. Grants submitted to WSDOT and TIB for 2023/2024 funding.

FINANCIAL (in \$000's)	Through Estimated									
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
EXPENSES										
Design			30							30
Land (R/W)										0
Const. Mgmt.			35							35
Construction			185							185
TOTAL EXPENSES	0	0	250	0	0	0	0	0	0	250
FUND SOURCES										
Proposed Grant			175							175
Awarded Grant										0
Mitigation Expected										0
103 Fund Balance	0	0	75	0	0	0	0	0	0	75
TOTAL SOURCES	0	0	250	0	0	0	0	0	0	250



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: Traffic Calming/Residential Safety Improvements Project No. 80010301

DESCRIPTION: Programmatic approach to addressing neighborhood traffic concerns through a variety of methods. Residential street improvements with sidewalks, safety improvements, and bike facilities.

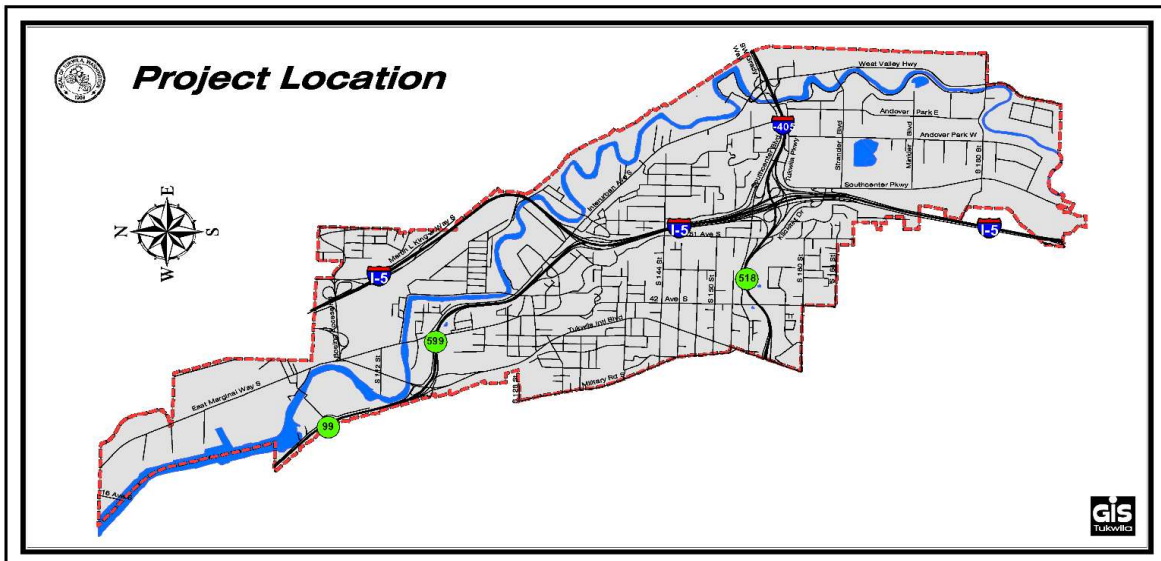
JUSTIFICATION: Neighborhood revitalization by improving residential streets.

STATUS: Future candidates are listed in the citywide comprehensive update and safety-based prioritization of residential street improvements, sidewalks, and bike lanes.

MAINT. IMPACT: Varies, depends on treatment(s) used.

COMMENT: Residential improvements and traffic calming features to reduce speeds and improve pedestrian and bicycle safety such as the speed cushions, RRFB crossings, LED enhanced signs, Radar driver feedback signs, etc.

FINANCIAL (in \$000's)	Through Estimated									TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	
EXPENSES										
Design	7	100	155	155	155	155	155	155	155	1,192
Land (R/W)										0
Const. Mgmt.										0
Construction	93	300	495	420	495	495	495	495	495	3,783
TOTAL EXPENSES	100	400	650	575	650	650	650	650	650	4,975
FUND SOURCES										
ARPA	100	400	400	400						500
Awarded Grant										0
Proposed Grant			250	175	250	250	250	250	250	1,675
Mitigation Expected										0
ARPA Funding	100	400	0	0	400	400	400	400	400	2,500
TOTAL SOURCES	200	800	650	575	650	650	650	650	650	5,475



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: S 152nd St Safe Routes to School

Project No. 91710303

DESCRIPTION: Install curb, gutter, and sidewalks on both sides of S 152nd St, including widening pavement width by three feet to construct an on-street parking lane as a buffer between the roadway and sidewalk on the north side.

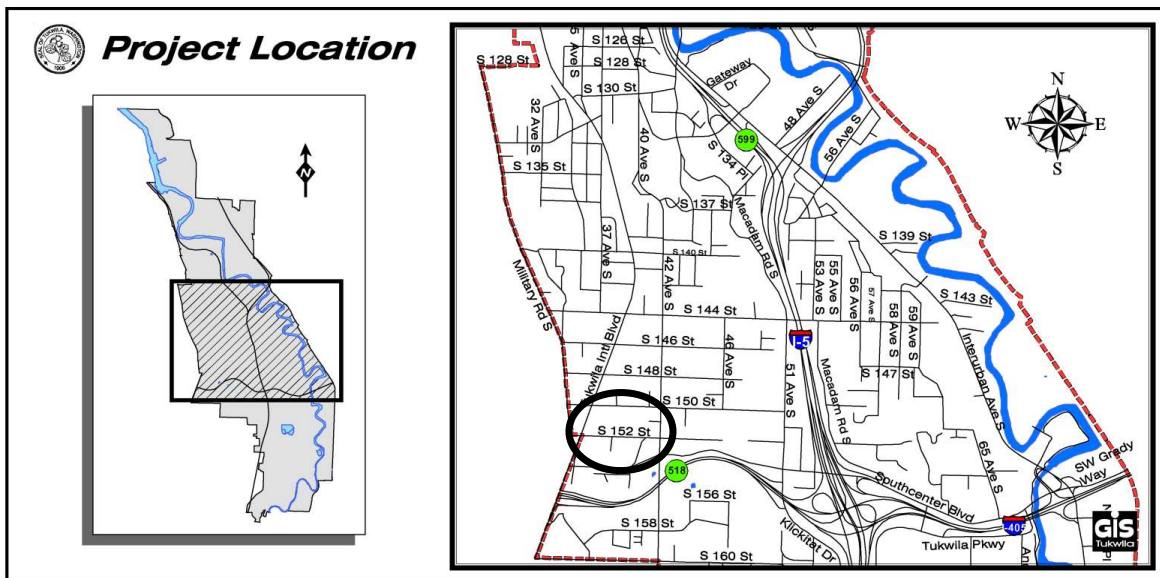
JUSTIFICATION: Enhance safety for students walking to Foster High School, Showalter Middle School, and Thorndyke Elementary School and encourage transportation choices for the neighborhood.

STATUS: Design funded, construction pending SRTS grant funding.

MAINT. IMPACT: New sidewalk and pavement will need to be maintained.

COMMENT: Sound Transit System Access Fund Grant of \$369k for design. Apply for SRTS grant in 2021 for construction.

FINANCIAL (in \$000's)	Through		Estimated							TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	
EXPENSES										
Design		453								453
Land (R/W)			15							15
Const. Mgmt.			400							400
Construction			3,600							3,600
TOTAL EXPENSES	0	453	4,015	0	0	0	0	0	0	4,468
FUND SOURCES										
Awarded Grant		369								369
Proposed Grant			3,200	-						3,200
Solid Waste Utility Tax			100							100
Surface Water Fund		84								84
103 Fund Balance	0		715	0	0	0	0	0	0	715
TOTAL SOURCES	0	453	4,015	0	0	0	0	0	0	4,468



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: 46th Ave S Safe Routes to School

Project No. 91710301

DESCRIPTION: Install curb, gutter, and sidewalk on the west side of 46th Avenue South. Install a curb bulb-out at the southeastern corner of 46th Ave S and S 144th St and a raised crosswalk on S 144th St with pedestrian-activated flashing beacons.

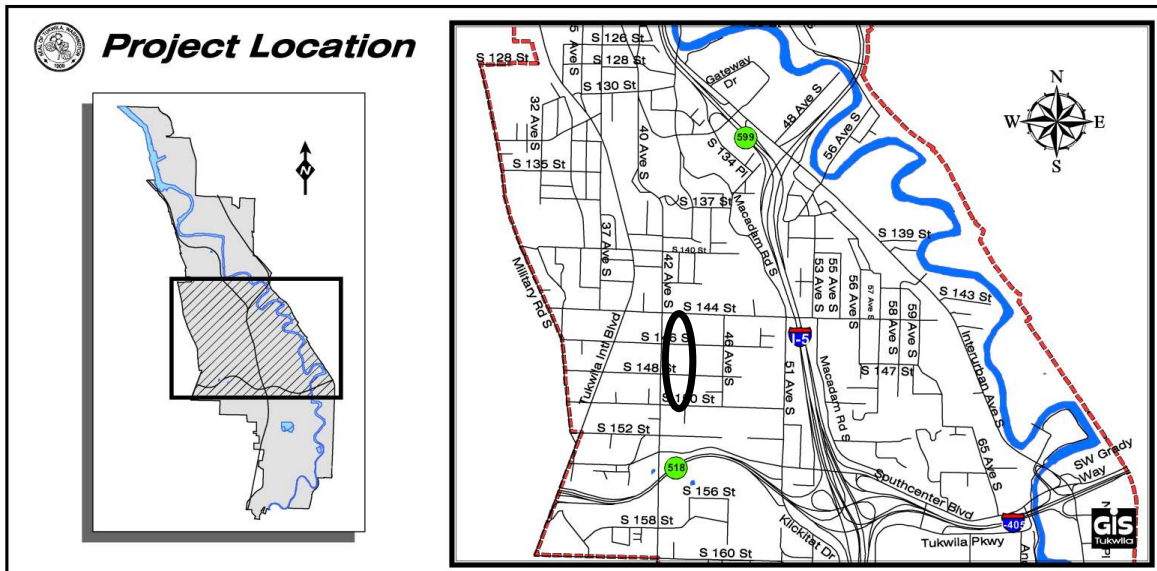
JUSTIFICATION: Enhance safety for students walking to Foster High School and Showalter Middle School and encourages transportation choices for the neighborhood.

STATUS: RRFB at 46th Ave S & S 144th St Intersection in 2019 as part of the Neighborhood Traffic Calming Program.

MAINT. IMPACT: New sidewalk, pavement, and pedestrian flashing beacon will need to be maintained.

COMMENT: Safe Routes to School grant submitted in April 2018, but unsuccessful. Apply for SRTS grant for design in 2020 and in 2022 for construction.

FINANCIAL (in \$000's)	Through		Estimated							BEYOND	TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028			
EXPENSES											
Design			270								270
Land (R/W)			240								240
Const . Mgmt.				270							270
Construction				1,800							1,800
TOTAL EXPENSES	0	0	510	2,070	0	0	0	0	0	0	2,580
FUND SOURCES											
Awarded Grant											0
Proposed Grant			408	1,656							2,064
Mitigation Actual											0
Mitigation Expected											0
103 Fund Balance	0	0	102	414	0	0	0	0	0	0	516
TOTAL SOURCES	0	0	510	2,070	0	0	0	0	0	0	2,580



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: Macadam Rd South Complete Street

Project No. 91710302

DESCRIPTION: Construction of a complete street design for Macadam Rd South between South 144th St and S 150th St. The project will require roadway widening and re-channelization to add 5-foot bike lanes and 5-foot sidewalks on both sides of the roadway, and includes illumination, curb, and storm drainage.

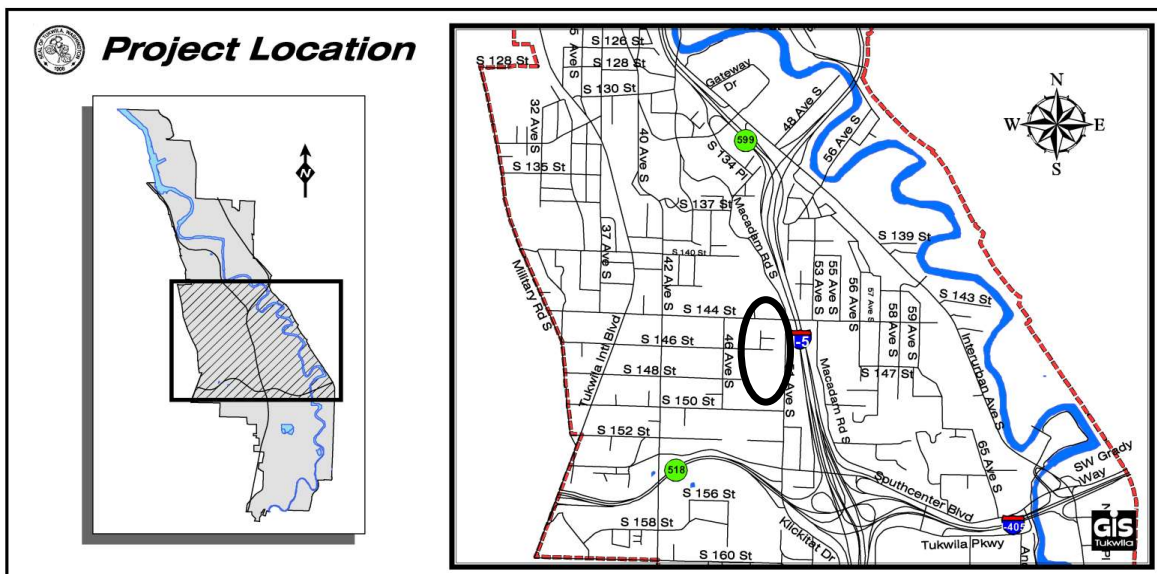
JUSTIFICATION: Enhance safety for students walking to Foster High School and Showalter Middle School and encourages transportation choices for the neighborhood.

STATUS:

MAINT. IMPACT: New sidewalk and pavement will need to be maintained.

COMMENT: WSDOT Pedestrian/Bicycle grant submitted in April 2018, but unsuccessful. Match will be the Water Improvements. Apply for same grant in 2020 for design and 2022 for construction. Sidewalk on East side of roadway completed in 2022.

FINANCIAL (in \$000's)	Through Estimated									
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
EXPENSES										
Design				400						400
Land (R/W)				100						100
Const. Mgmt.					400					400
Construction		400			2,700					3,100
TOTAL EXPENSES	0	400	0	500	3,100	0	0	0	0	4,000
FUND SOURCES										
Awarded Grant										0
Proposed Grant		320		450	2,800					3,570
Mitigation Actual										0
Mitigation Expected										0
Fuel Tax	0	80	0	50	300	0	0	0	0	430
TOTAL SOURCES	0	400	0	500	3,100	0	0	0	0	4,000



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 - 2028

BRIDGES & ARTERIAL STREETS

104 Fund

CIP Page #	PROJECT TITLE	2023	2024	2025	2026	2027	2028	TOTAL	**Other Sources	After Six Years
9	42nd Ave S Bridge Replacement	1,500	15,725	13,500	0	0	0	30,725	30,725	0
10	Allentown Truck Reroute	900	0	0	0	0	0	900	0	0
11	Green River Trail Improvements	1,297	0	0	0	0	0	1,297	989	0
12	Annual Overlay and Repair Program	P 1,400	1,400	1,400	1,400	1,500	1,500	8,600	0	1,650
13	Annual Bridge Inspections and Repairs	P 200	205	215	220	230	235	1,305	0	240
14	ADA Improvements	P 100	50	50	50	50	50	350	0	50
15	Annual Traffic Signal Program	P 130	130	130	130	150	150	820	0	150
16	Wetland & Environmental Mitigation	P 60	70	70	70	70	70	410	0	70
17	Transportation Element of Comp Plan	300	0	0	0	0	0	300	240	650
18	S 119th St Pedestrian Bridge Painting	0	200	0	0	0	0	200	0	0
19	Southcenter Blvd/65th Ave S Signal	* 100	1,000	0	0	0	0	1,100	1,100	0
20	APE/Minkler Blvd Intersection	* 0	0	144	1,570	0	0	1,714	1,320	0
21	S 144th St Bridge - Sidewalks	0	0	0	579	2,690	0	3,269	2,500	0
22	APE/Industry Dr Intersection	* 0	0	85	657	0	0	742	571	0
23	S 133 St/SR599 Intersection	* 0	0	0	0	0	350	350	0	2,070
24	Minkler Blvd (APW - S/C Pkwy)	* 0	0	0	0	300	2,252	2,552	2,600	0
25	E Marginal Way (BAR - S 112 St)	* 0	0	50	0	0	0	50	16	3,300
	S 140th St Intersection Improvements	0	0	0	0	0	0	0	0	1,400
	TUC/TOD Pedestrian Improvements	0	0	0	0	0	0	0	0	4,250
	Tukwila Int'l Blvd Phase IV	* 0	0	0	0	0	0	0	0	5,050
	Tukwila Int'l Blvd/S 116th Wy/SR599	0	0	0	0	0	0	0	0	4,675
	Traffic Signal Interconnect Program	* 0	0	0	0	0	0	0	0	3,000
	S 168 St (S/C Pkwy - APE)	0	0	0	0	0	0	0	0	23,244
	Southcenter Blvd (I-5 - 61st Ave Br)	0	0	0	0	0	0	0	0	20,000
	Rockery Replacement Program	0	0	0	0	0	0	0	0	525
	S 180 St/Andover Pk W Intersection	0	0	0	0	0	0	0	0	235
	S 143 St (Interurban - Duwamish)	0	0	0	0	0	0	0	0	100
Grand Total		5,987	18,780	15,644	4,676	4,990	4,607	54,684	40,061	70,659

* Traffic Impact Fee List Projects (fees must be used within 10 years).

** Denotes other funding sources, grants, or mitigation.

P - Preservation accounting codes per GASB 34

Project sheets scheduled beyond 2028
can be found in the City's website under
Public Works Capital Improvement Program.

Changes from 2021 to 2023 CIP:

Additions:

Allentown Truck Reroute

Deleted:

West Valley Hwy (I-405 - Strander Blvd)

BAR over Airport Way Seismic Retrofit

CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: 42nd Ave S Bridge Replacement

Project No. 91810404

DESCRIPTION:

Design and construct a replacement structure for the existing 42nd Ave S Bridge near the Tukwila Community Center.

JUSTIFICATION:

The current bridge has a sufficiency rating of 7.6 (out of 100), is load restricted for AASHTO Type 3 trucks and is structurally deficient. Truck speed was reduced to 15 mph in 2018, and reduced to one lane in 2021.

STATUS:

The project is currently in the design phase, with 30% design complete. Project construction is anticipated to begin in early 2024 and be complete by end of 2025.

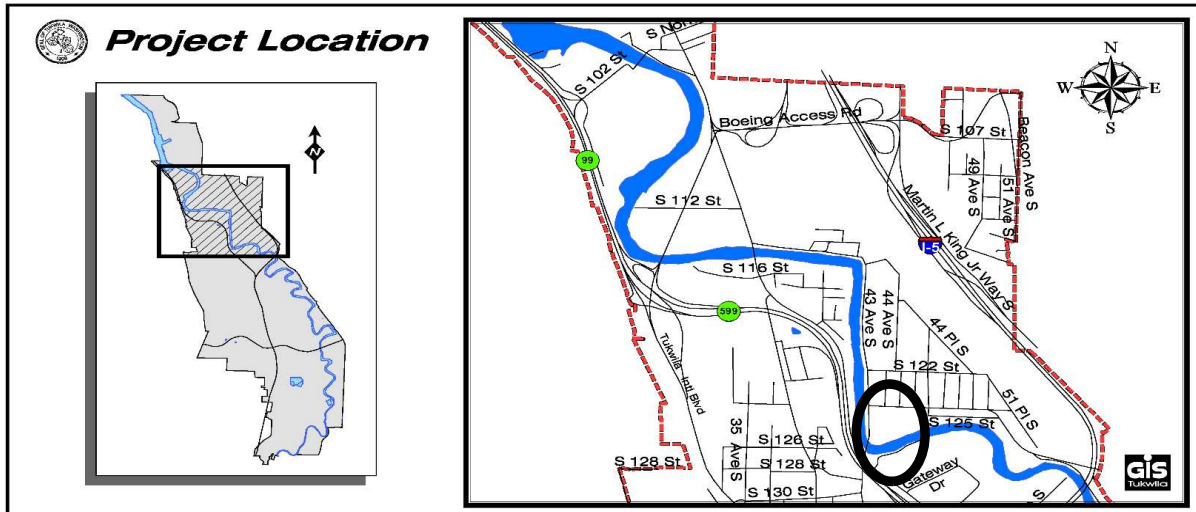
MAINT. IMPACT:

New bridge.

COMMENT:

Council approved 30% design with City funding of \$1M. The City has secured remaining project costs through grants- \$1.5M in Surface Transportation Program funding (13.5% match), \$12M in Local Programs funding (no match), and \$17M in Move Ahead Washington funding (no match).

FINANCIAL (in \$000's)	Through		Estimated							BEYOND	TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028			
EXPENSES											
Design	568	1,040	1,000							2,608	
Land (R/W)			200							200	
Const. Mgmt.			300	2,000	1,800					4,100	
Construction				13,725	11,700					25,425	
TOTAL EXPENSES	568	1,040	1,500	15,725	13,500			0	0	32,333	
FUND SOURCES											
PSRC Grant	145	900	455							1,500	
Local Bridge Grant				6,000	6,000					12,000	
MAWA Grant				9,500	7,500					17,000	
Congressional Funds			1,045	225						1,270	
Solid Waste Utility Tax	423	140								563	
City Oper. Revenue	0								0	0	
TOTAL SOURCES	568	1,040	1,500	15,725	13,500	0	0	0	0	32,333	



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: Allentown Truck Reroute

Project No. 92110405

DESCRIPTION: Preparation of an Environmental Impact Statement (EIS) that will consider rerouting the freight truck traffic that currently uses surface streets in Tukwila's Allentown neighborhood to access BNSF Railway Company's South Seattle Intermodal Facility.

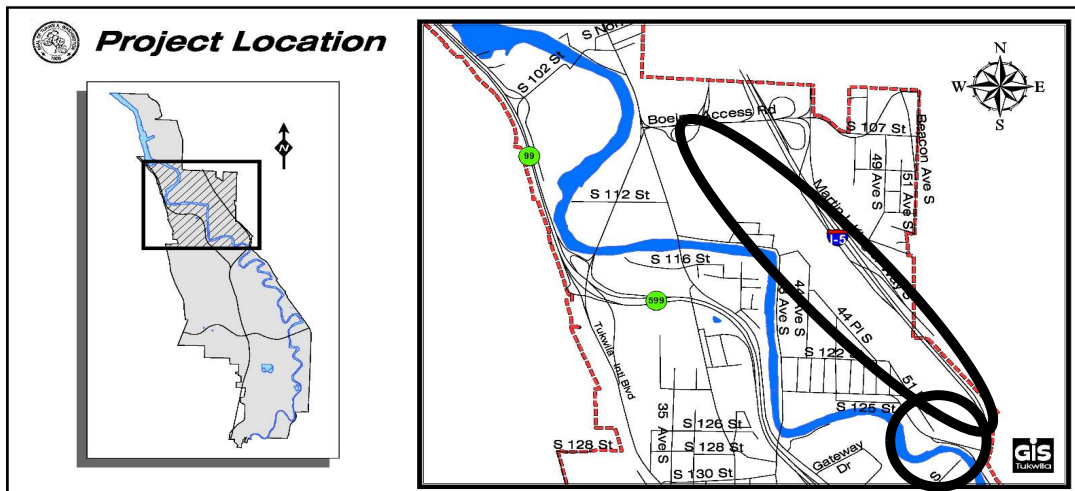
JUSTIFICATION: The City has committed to addressing the Allentown community's ongoing concerns about the adverse effects of truck traffic from BNSF's intermodal facility on the Allentown neighborhood – e.g. noise, vibration, truck emissions, and the safety of pedestrians and bicyclists.

STATUS: In 2021, City Council allocated \$1.2 Million for the EIS. Using that budget, the City hired a project manager, who has reviewed documentation from the City's past truck reroute efforts for Allentown, established a working relationship with the Allentown community, and coordinated the hiring of a consultant team. Consultant work on the project is expected to begin in October of 2022, and will take approximately 18 to 24 months to complete.

MAINT. IMPACT: Because the project is an environmental study, no maintenance impacts are expected.

COMMENT: The project has been coordinated with other City efforts in Allentown, including the 42nd Ave. S Bridge replacement, the Allentown traffic calming project, and overlay work. Discussion of these efforts has been included in regular community engagement meetings at the TCC to ensure a regular flow of information to Allentown residents and businesses, and to encourage public buy-in of City projects.

FINANCIAL (in \$000's)	Through Estimated									
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
EXPENSES										
Design	427	600	600							1,627
Land (R/W)										0
Const. Mgmt.										0
Construction										0
TOTAL EXPENSES	427	600	600	0	0	0	0	0	0	1,627
FUND SOURCES										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual BNSF										0
Mitigation Expected										0
Council Allocation	427	300	900	0	0	0	0	0	0	1,627
TOTAL SOURCES	427	300	900	0	0	0	0	0	0	1,627



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: Green River Trail Improvements

Project No. 91810403

DESCRIPTION:

Construct a widened trail section between the west landing of the Southcenter Pedestrian Bridge and the shared use path on Christensen Road. Includes illumination, CCTV, and provides the fiber connection to the Pedestrian Bridge for operation of CCTV and communication to the light controllers and ped/bike counter.

JUSTIFICATION:

Wider trail section is needed to accommodate the intermingling of trail and bridge users by providing a wider trail and improved safety features.

STATUS:

Designed and permitted as part of the TUC Pedestrian/Bicycle Bridge.

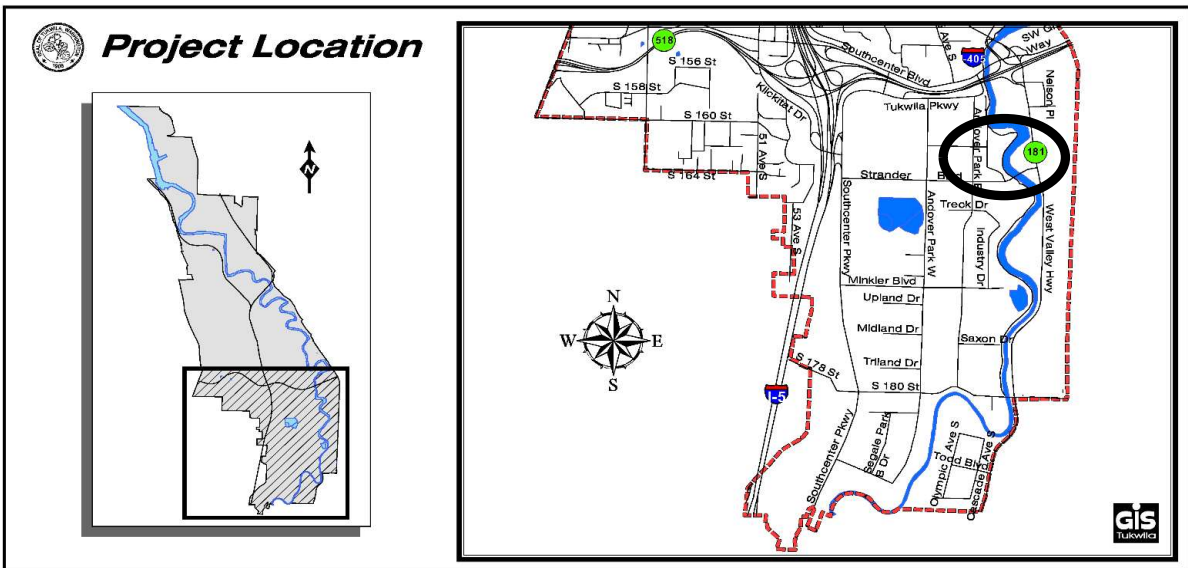
MAINT. IMPACT:

Reduced pavement repairs, increased maintenance for illumination and CCTV upkeep.

COMMENT:

Project is a subset of the TUC/TOD Ped Imprvmt Project (90710405), the TUC Ped/Bike Bridge Project (90510403) and Baker Blvd Non-Motorized (91610409). All permitting and mitigation was completed as part of the Ped Bridge project. Permitting expires in 2022, delays past this date would need new permit approvals. PSRC grant application in 2018 unsuccessful. Apply for ped/bike grant in 2020.

FINANCIAL (in \$000's)	Through		Estimated								TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND		
EXPENSES											
Design										0	
Land (R/W)										0	
Const. Mgmt.			235							235	
Construction			1,062							1,062	
TOTAL EXPENSES	0	0	1,297	0	0	0	0	0	0	1,297	
FUND SOURCES											
TAP Grant			989							989	
Proposed Grant										0	
Mitigation Actual										0	
Traffic Impact Fees										0	
Parking Tax	0	0	308	0	0	0	0	0	0	308	
TOTAL SOURCES	0	0	1,297	0	0	0	0	0	0	1,297	



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: Annual Overlay and Repair Program

Project No. 80010401

DESCRIPTION: Select, design and construct asphalt and concrete pavement overlays of arterial and residential streets.

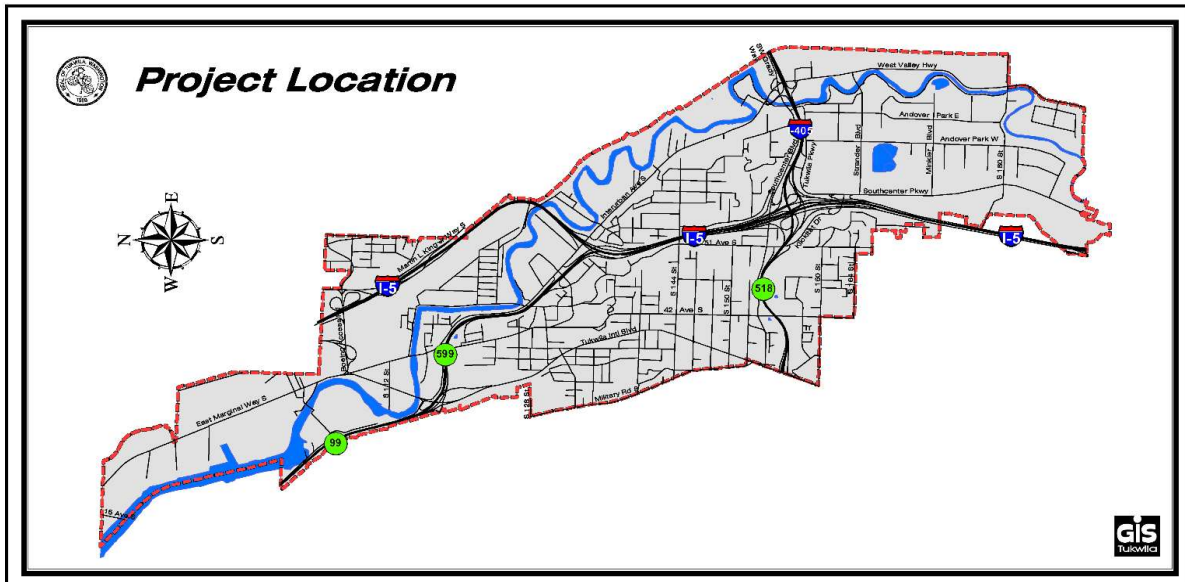
JUSTIFICATION: Preserve and maintain the street structure in a safe and useable state by resurfacing before failure which also minimizes costs. Some individual sites may be coordinated with water, sewer, and surface water projects.

STATUS: Each year various sections of roadway throughout the City are designed and constructed for asphalt overlay.

MAINT. IMPACT: Reduces annual maintenance.

COMMENT: Ongoing project. Only one year actuals shown in first column.

FINANCIAL (in \$000's)	Through		Estimated							
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
EXPENSES										
Design	316	150	150	150	150	150	150	150	150	1,516
Land (R/W)										0
Const. Mgmt.	43	200	200	200	200	200	200	200	200	1,643
Construction	970	1,050	1,050	1,050	1,050	1,050	1,150	1,150	1,300	9,820
TOTAL EXPENSES	1,329	1,400	1,400	1,400	1,400	1,400	1,500	1,500	1,650	12,979
FUND SOURCES										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Solid Waste Utility Tax	1,329	1,400	1,400	1,400	1,400	1,400	1,500	1,500	1,650	12,979
TOTAL SOURCES	1,329	1,400	1,400	1,400	1,400	1,400	1,500	1,500	1,650	12,979



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: **Annual Bridge Inspections and Repairs** Project No. 7001402

DESCRIPTION: Ongoing program of bi-annual inspections, repairs, painting and rehabilitation of the 24 City vehicle and pedestrian bridges.

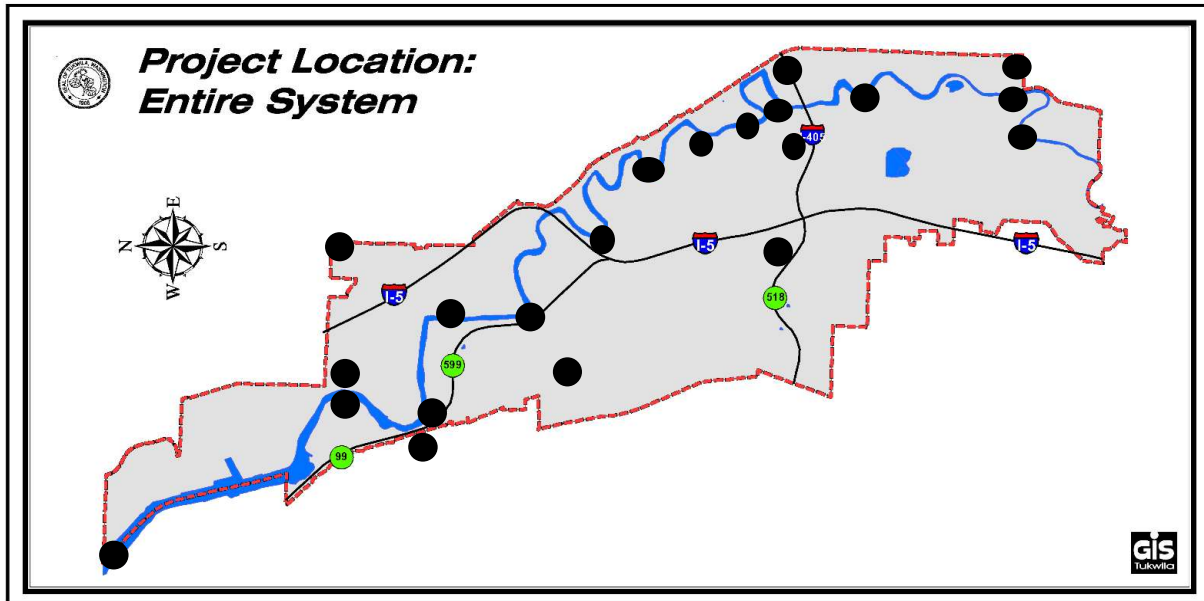
JUSTIFICATION: Federally required program identifies safety or repair needs in the early stages to minimize hazards and costs. The number of bridge inspections necessary each year can vary year to year. Inspection frequencies vary from bridge to bridge and King County has provided some inspection services.

STATUS: Construction projects will be determined from inspection reports and noted deficiencies/problems.

MAINT. IMPACT: Reduces maintenance costs.

COMMENT: Ongoing project, only one year actuals are shown in the first column.

FINANCIAL (in \$000's)	Through 2021	Estimated 2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
EXPENSES										
Inspections	35	40	110	115	120	125	130	135	140	950
Land (R/W)										0
Const. Mgmt.			15	15	15	15	15	15	15	105
Construction			75	75	80	80	85	85	85	565
TOTAL EXPENSES	35	40	200	205	215	220	230	235	240	1,620
FUND SOURCES										
Awarded Grant										
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Parking Tax	35	40	200	205	215	220	230	235	240	1,620
TOTAL SOURCES	35	40	200	205	215	220	230	235	240	1,620



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: **Americans with Disabilities Act (ADA) Improvements** Project No. 91510405

DESCRIPTION: Construct ADA compliant upgrades to City infrastructure in conjunction with a City developed plan.

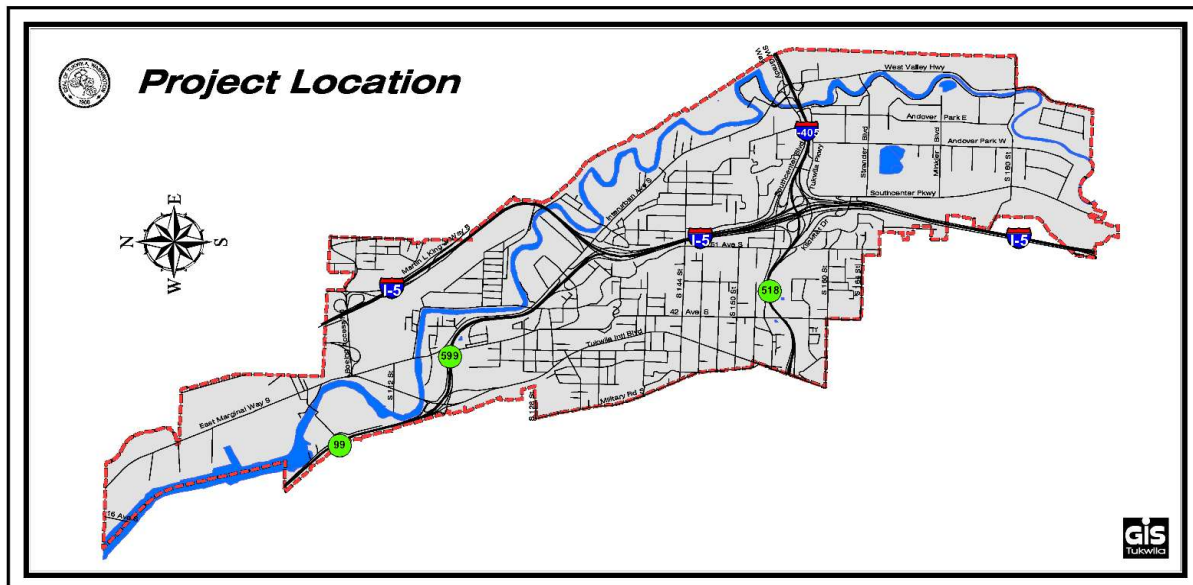
JUSTIFICATION: The enforcement of ADA laws and standards was delayed pending legal challenges and studies. Recent court rulings now mandate ADA compliance. The City must provide upgrades with most construction projects.

STATUS: Provide annual funding to construct improvements as necessary. Began the ADA Transition Plan in 2016 with adoption in 2017. The goal is to resolve ADA compliance issues within a reasonable time period.

MAINT. IMPACT: Negligible.

COMMENT: Project will be ongoing until City facilities and infrastructure meet ADA requirements. This will also include ADA compliance by utilities and private development.

FINANCIAL (in \$000's)	Through Estimated		2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
	2021	2022								
EXPENSES										
Design		35	5	5	5	5	5	5	5	70
Land (R/W)										0
Const. Mgmt.			5	5	5	5	5	5	5	35
Construction			90	40	40	40	40	40	40	330
TOTAL EXPENSES	0	35	100	50	50	50	50	50	50	435
FUND SOURCES										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Traffic Impact Fees										0
Parking Tax	0	35	100	50	50	50	50	50	50	435
TOTAL SOURCES	0	35	100	50	50	50	50	50	50	435



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: Annual Traffic Signal Program

Project No. 80010404

DESCRIPTION: Design and construct traffic signal upgrades and repairs of signals that exceed routine maintenance work; loop replacement, head replacement, and controllers. Replace direct bury cable for existing lighting system.

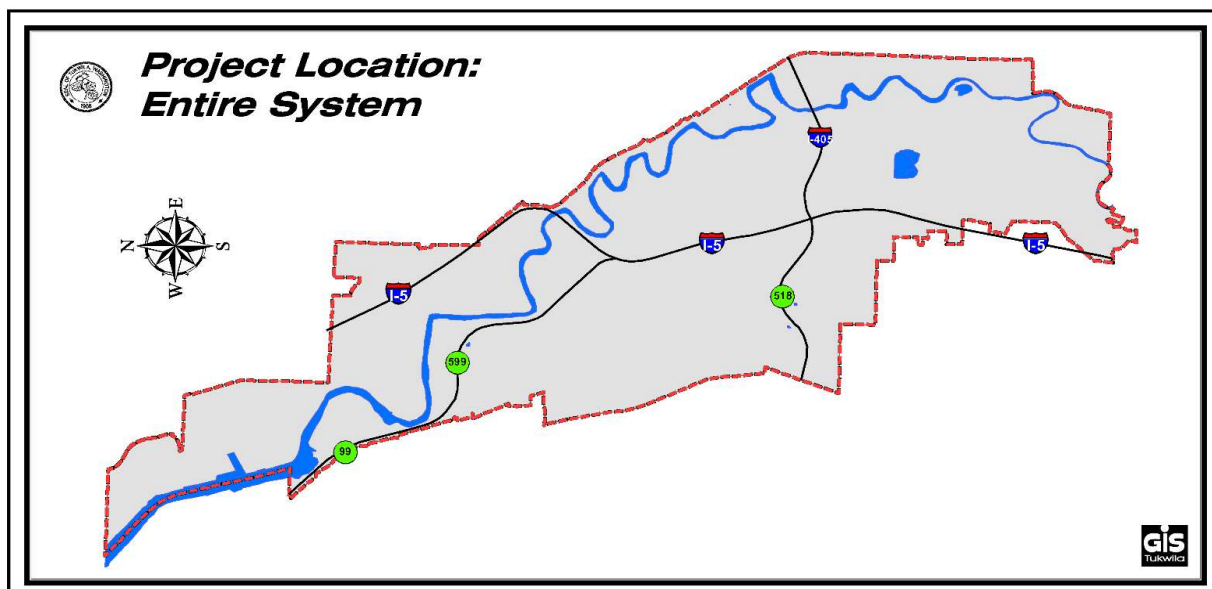
JUSTIFICATION: City is adding traffic signals to inventory every year.

STATUS: LEDs are on a 4 to 5 year replacement cycle. Work includes adding additional signal heads, luminaires, loop repairs, and controller upgrades including signal timing and coordination plans.

MAINT. IMPACT: Reduces maintenance costs. Preventative maintenance on every traffic signal is required to be completed quarterly.

COMMENT: Ongoing project, only one year actuals shown in first column. Also includes concurrency modeling in 2019.

FINANCIAL (in \$000's)	Through		Estimated								TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND		
EXPENSES											
Design	15	15	50	50	50	50	50	50	50	380	
Land (R/W)										0	
Const. Mgmt.										0	
Equipment/Const.		35	80	80	80	80	100	100	100	655	
TOTAL EXPENSES	15	50	130	130	130	130	150	150	150	1,035	
FUND SOURCES											
Awarded Grant										0	
Proposed Grant										0	
Mitigation Actual										0	
Traffic Impact Fees										0	
REET	15	50	130	130	130	130	150	150	150	1,035	
TOTAL SOURCES	15	50	130	130	130	130	150	150	150	1,035	



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: **Wetland & Environmental Mitigation** Project No. Varies

DESCRIPTION: Provide annual maintenance of wetland, stream, or other environmental mitigation commitments until accepted by the permitting agency.

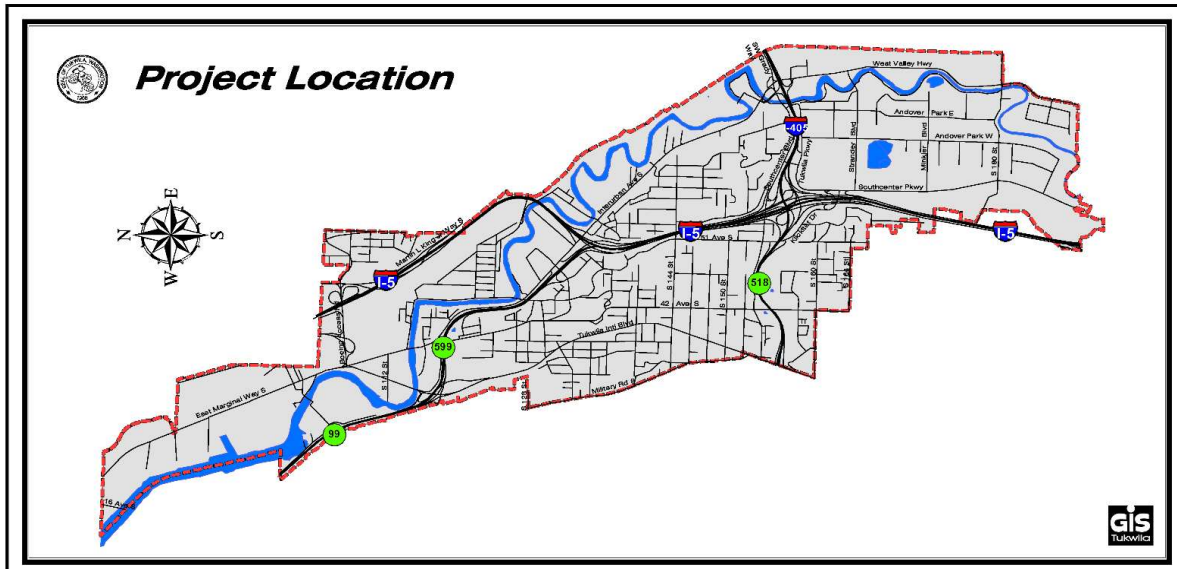
JUSTIFICATION: Some capital improvement projects have been approved contingent upon environmental mitigation requirements. Examples include: wetlands and streams.

STATUS: Annual work is required to prepare mitigation reports and provide the necessary mitigation maintenance that in-house staff is unable to do in addition to their normal workload.

MAINT. IMPACT: Significant annual weeding, plant replacement, and preparation of monitoring reports is required.

COMMENT: Ongoing projects, only previous year shown in 2019. S 180th St Grade Separation wetland mitigation completed. Southcenter Pkwy Extension wetland and stream mitigation started in 2013. TUC Ped/Bridge & 42nd Ave S mitigation to start in 2019 with required minimum 5 year monitoring and maintenance.

FINANCIAL (in \$000's)	Through Estimated									
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
EXPENSES										
Design										0
Land (R/W)										0
Const. Mgmt.										0
Repairs & Maintenance			60	70	70	70	70	70	70	480
TOTAL EXPENSES	0	0	60	70	70	70	70	70	70	480
FUND SOURCES										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Proposed Mitigation										0
104 Fund Balance	0	0	60	70	70	70	70	70	70	480
TOTAL SOURCES	0	0	60	70	70	70	70	70	70	480



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: **Transportation Element of Comprehensive Plan** Project No. 72010405

DESCRIPTION: Update Transportation Element of the Comprehensive Plan to include updated traffic model and street network plan.

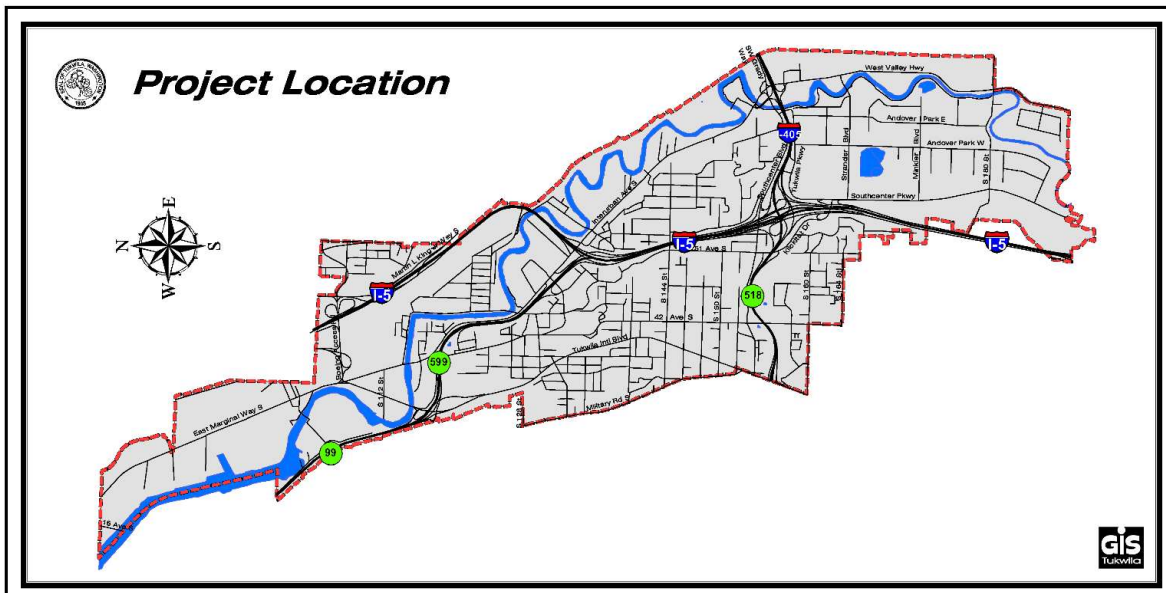
JUSTIFICATION: Growth Management Act transportation concurrency and traffic impact mitigations need updated traffic and capital planning. Adoption by 2024 required by Community Trade and Economic Development (CTED).

STATUS: Update every 8 years. Transportation Element will be coordinated with updates to Comprehensive Plan by the Department of Community Development. Next update is scheduled for 2024. (Updated with extended time due to COVID impacts)

MAINT. IMPACT: None.

COMMENT: An update to the Transit Plan and incorporation of the Walk and Roll Plan (non-motorized) are included in the Transportation Element of the Comp Plan update. Also included is a Road Safety Plan.

FINANCIAL (in \$000's)	Through Estimated									TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	
EXPENSES										
Design		396	300						650	1,346
Land (R/W)										0
Const. Mgmt.										0
Construction										0
TOTAL EXPENSES	0	396	300	0	0	0	0	0	650	1,346
FUND SOURCES										
Awarded Grant										0
Proposed SS4A Grant			240							240
Mitigation										0
Impact Fees										0
Concurrency Fees	0	396	60	0	0	0	0	0	650	1,106
TOTAL SOURCES	0	396	300	0	0	0	0	0	650	1,346



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: S 119th St Pedestrian Bridge Painting

Project No. 91610407

DESCRIPTION: Ongoing maintenance (painting) of the S 119th St Pedestrian Bridge in the Allentown/Duwamish neighborhoods.

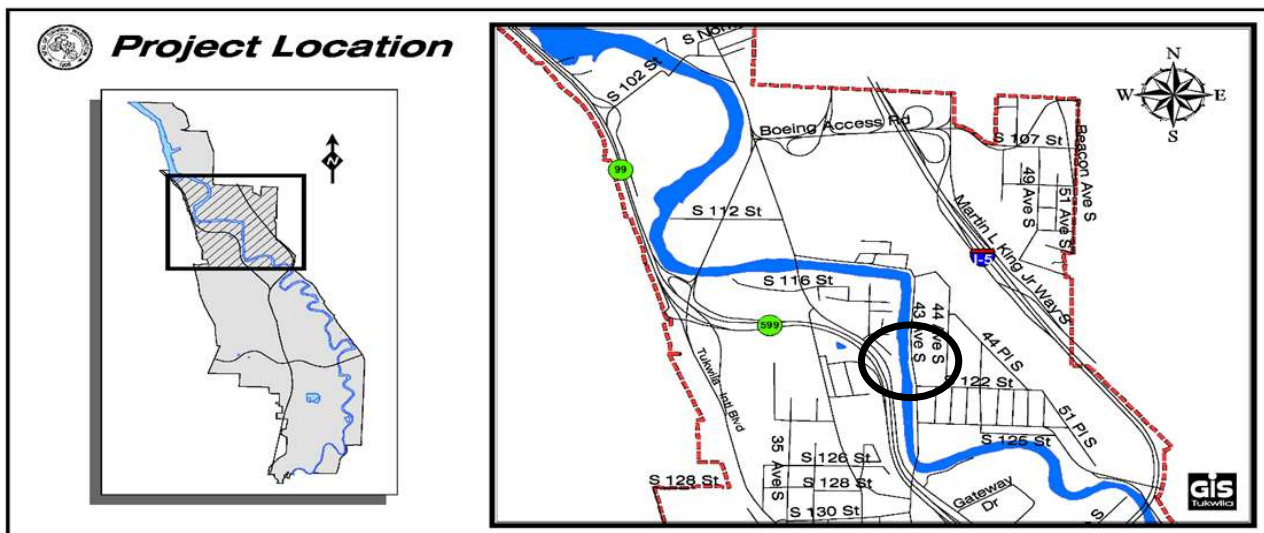
JUSTIFICATION: Safety or repair needs completed in the early stages minimizes hazards and costs. King County has provided some inspection and repair services.

STATUS: The bridge deck was completed in 2018 with painting still outstanding.

MAINT. IMPACT: Reduces maintenance costs.

COMMENT: New CIP project sheet for 2021-2026.

FINANCIAL (in \$000's)	Through		Estimated							BEYOND	TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028			
EXPENSES											
Design										0	
Land (R/W)										0	
Const. Mgmt.				10						10	
Construction				190						190	
TOTAL EXPENSES	0	0	0	200	0	0	0	0	0	200	
FUND SOURCES											
Awarded Grant										0	
Proposed Grant										0	
Mitigation Actual										0	
Mitigation Expected										0	
Parking Tax	0	0	0	200	0	0	0	0	0	200	
TOTAL SOURCES	0	0	0	200	0	0	0	0	0	200	



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: **Andover Park E/Minkler Blvd Intersection *** Project No. 90310405 Zone 1

DESCRIPTION: Design and construct left turn lanes on Andover Park East and reconstruct traffic signal.

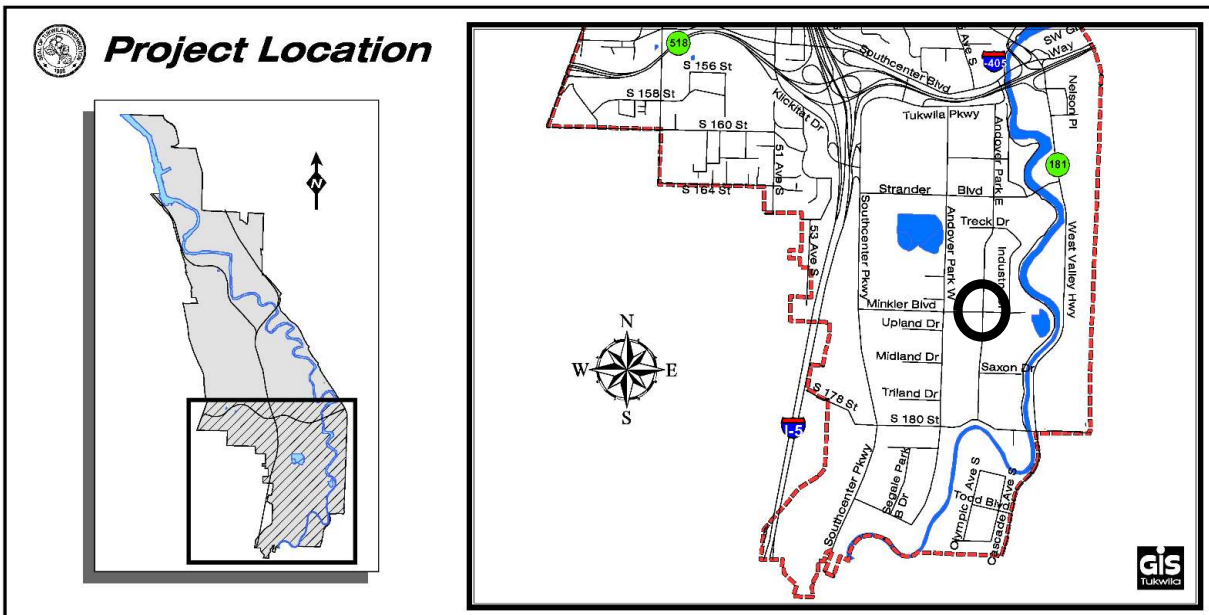
JUSTIFICATION: Improve safety and provide needed capacity.

STATUS: Design completed to 60% in 2015. Project on hold pending additional funding.

MAINT. IMPACT: Annual signal re-lamping and routine operations.

COMMENT: Project is on Traffic impact fee list. Mitigation of \$19,622.55 from Westfield Mall.

FINANCIAL (in \$000's)	Through		Estimated							TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	
EXPENSES										
Design	118				134					252
Land (R/W)					10					10
Const. Mgmt.						205				205
Construction						1,365				1,365
TOTAL EXPENSES	118	0	0	0	144	1,570	0	0	0	1,832
FUND SOURCES										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual	20									20
Traffic Impact Fees					111	1,209				1,320
City Oper. Revenue	98	0	0	0	33	361	0	0	0	492
TOTAL SOURCES	118	0	0	0	144	1,570	0	0	0	1,832



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: S 144th St Bridge - Sidewalks

Project No. 90310404

DESCRIPTION: Design of pedestrian improvements to the S 144th Street bridge over I-5, to include structural, civil, environmental, and traffic design to obtain PS&E. Project will widen the existing pedestrian pathway on the bridge from three feet to six feet with a barrier to separate automobile and pedestrian traffic.

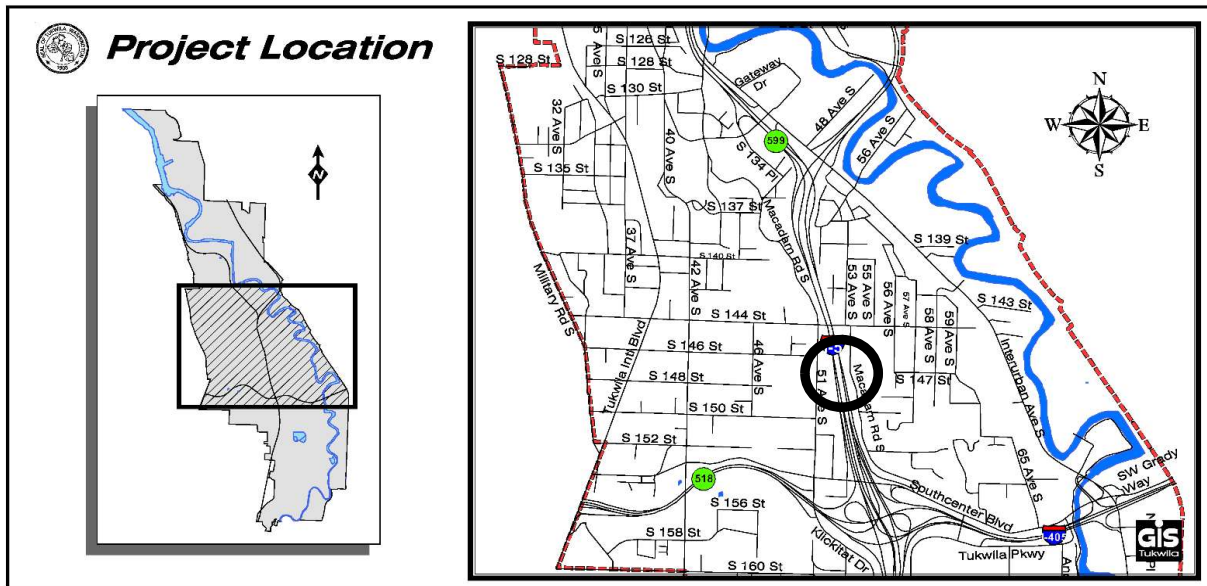
JUSTIFICATION: Improve pedestrian safety, particularly for Foster High School and Showalter Middle School students.

STATUS: Design work to determine feasibility of widening the sidewalk on the existing bridge over I-5 and gain WSDOT approval. If feasible, construction funding will need to be identified.

MAINT. IMPACT: Minimal for additional sidewalk width.

COMMENT: New approach is to widen the sidewalks on the existing bridge instead of modifying the bridge to provide extra width as was originally proposed. Grant applications submitted in 2013, 2016 and 2018 were unsuccessful.

FINANCIAL (in \$000's)	Through		Estimated							TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	
EXPENSES										
Design	29					579				608
Land (R/W)										0
Const. Mgmt.							240			240
Construction							2,450			2,450
TOTAL EXPENSES	29	0			0	579	2,690	0	0	3,298
FUND SOURCES										
STP Grant						500				500
Proposed Grants							2,000			2,000
Mitigation Actual										0
Traffic Impact Fees										0
City Oper. Revenue	29	0			0	79	690	0	0	798
TOTAL SOURCES	29	0	0	0	0	579	2,690	0	0	3,298



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: **Andover Park East/Industry Dr Intersection *** Project No. 99110405 Zone 1

DESCRIPTION: Design and construct traffic signal with Andover Park East left turn lanes and crosswalks.

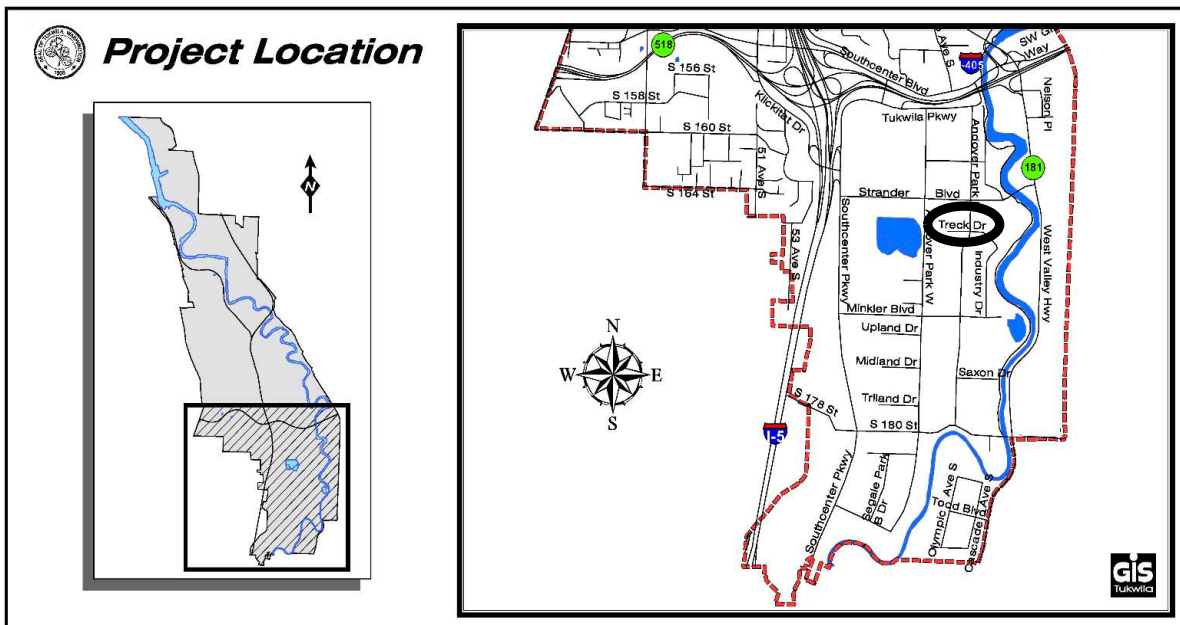
JUSTIFICATION: Signal control and left turn lanes will improve safety and provide needed capacity.

STATUS: Design completed to 60% in 2015. Project on hold pending additional funding.

MAINT. IMPACT: Annual signal re-lamping and routine operations.

COMMENT: Project is on Traffic impact fee list.

FINANCIAL (in \$000's)	Through Estimated									
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
EXPENSES										
Design	104				75					179
Land (R/W)					10					10
Const. Mgmt.						86				86
Construction						571				571
TOTAL EXPENSES	104	0	0	0	85	657	0	0	0	846
FUND SOURCES										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Traffic Impact Fees						571				571
City Oper. Revenue	104	0	0	0	85	86	0	0	0	275
TOTAL SOURCES	104	0	0	0	85	657	0	0	0	846



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: S 133 St/SR599 Southbound Intersection * Project No. 99510405 Zone 3

DESCRIPTION: Design and construct intersection improvements, which could include a new traffic signal or a roundabout, lighting, pedestrian facilities, and drainage.

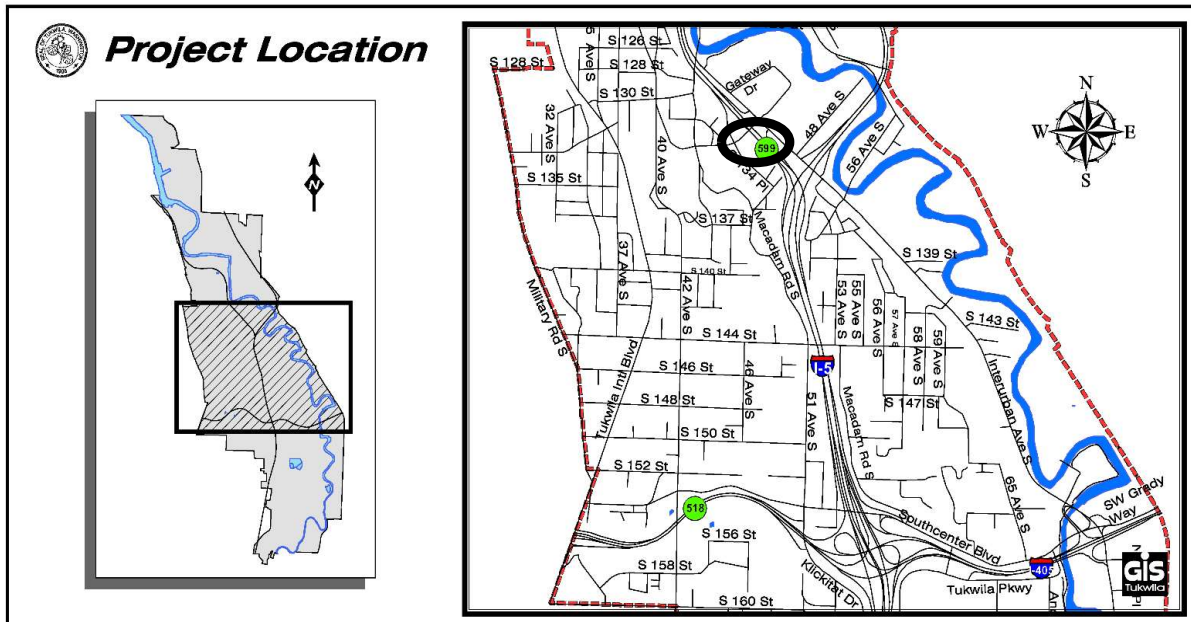
JUSTIFICATION: Intersection level of service is degrading without improvement.

STATUS: Traffic Study and feasibility analysis recommended roundabout as project is in WSDOT limited access area.

MAINT. IMPACT: Annual signal lamping and routine operations. Landscape maintenance if roundabout.

COMMENT: Project is on impact fee list.

FINANCIAL (in \$000's)	Through Estimated									
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
EXPENSES										
Design	11							300		311
Land (R/W)								50		50
Const. Mgmt.									270	270
Construction									1,800	1,800
TOTAL EXPENSES	11	0	0	0	0	0	0	350	2,070	2,431
FUND SOURCES										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Traffic Impact Fees	41								1,556	1,597
City Oper. Revenue	(30)	0	0	0	0	0	0	350	514	834
TOTAL SOURCES	11	0	0	0	0	0	0	350	2,070	2,431



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: **Minkler Blvd (Andover Park W - Southcenter Pkwy)** Project No. 98410407

DESCRIPTION: Widen Minkler Blvd from Andover Park West to Southcenter Parkway. Add third lane and curb, gutter, and sidewalk on the south side.

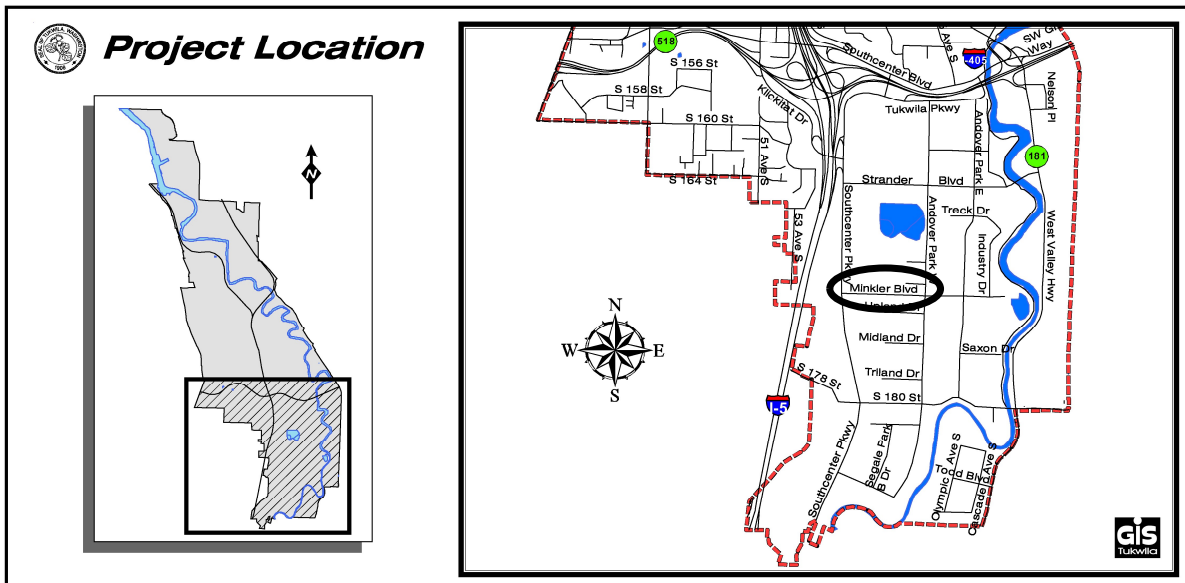
JUSTIFICATION: Accommodate anticipated future development frontal improvements to complete three lane street section.

STATUS: Completed construction of "half street" and opened road to Southcenter Pkwy with two lanes and sidewalks on one side with water, sewer and drainage improvements in 1995. North side of Minkler completed by Southcenter Square frontage improvements in 2008.

MAINT. IMPACT: Minor addition for maintenance.

COMMENT: Remaining improvements on south side of Minkler are anticipated to occur with future redevelopment. On Traffic Impact Fee List

FINANCIAL (in \$000's)	Through Estimated									
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
EXPENSES										
Design	460						300			760
Land (R/W)	27									27
Const. Mgmt.								300		300
Construction	732							2,000		2,732
TOTAL EXPENSES	1,219	0	0	0	0	0	300	2,300	0	3,819
FUND SOURCES										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Developer Expected								2,127		2,127
Traffic Impact Fees							250	125		
City Oper. Revenue	1,219	0	0	0	0	0	50	48	0	1,317
TOTAL SOURCES	1,219	0	0	0	0	0	300	2,252	0	3,444



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

PROJECT: **E Marginal Way S (BAR - S 112 St) *** Project No. 98910405 Zone 4

DESCRIPTION: Design and construct curb, gutter, drainage, lighting, turn lanes, and traffic control.

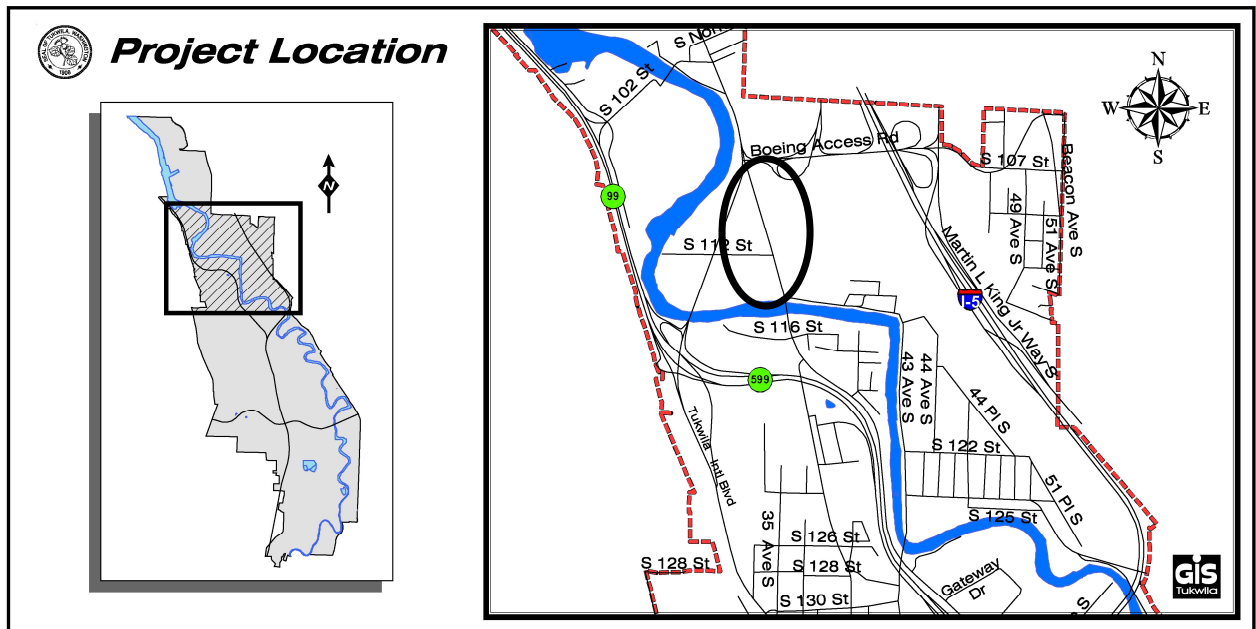
JUSTIFICATION: Safety, capacity, and drainage items needed to serve this area of increasing vehicle and pedestrian traffic.

STATUS: Design feasibility report began in 2014 to identify infrastructure needs over the next 20 year. The west half of the road was improved by Sound Transit with the Light Rail construction.

MAINT. IMPACT: Reduction in maintenance.

COMMENT: Project is on impact fee list for only the design costs.

FINANCIAL (in \$000's)	Through Estimated									TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	
EXPENSES										
Design	68				50				170	288
Land (R/W)									700	700
Const. Mgmt.									280	280
Construction									2,150	2,150
TOTAL EXPENSES	68	0	0	0	50	0	0	0	3,300	3,418
FUND SOURCES										
Awarded Grant										0
Proposed Grant									1,300	1,300
Mitigation Actual										0
Traffic Impact Fees	146				16				990	1,152
City Oper. Revenue	(78)	0	0	0	34	0	0	0	1,010	966
TOTAL SOURCES	68	0	0	0	50	0	0	0	3,300	3,418





INFORMATIONAL MEMORANDUM

TO: **Transportation and Infrastructure Services Committee**
 FROM: **Hari Ponnekanti, Public Works Director/ City Engineer**
 BY: **Brittany Robinson, Public Works Grant Analyst**
 CC: **Mayor Ekberg**
 DATE: **September 16, 2022**
 SUBJECT: **Surface Water Fund – Stormwater Management Action Plan**
Project No. 8214120
Department of Ecology Water Quality Grant Award

ISSUE

Accept a Washington State Department of Ecology (DOE) Water Quality Combined Funding Program grant award in the amount of \$72,353.00 to fund a portion of the Stormwater Management Action Plan (SMAP).

BACKGROUND

In August 2019, DOE issued an update to the NPDES Permit for Phase II Municipalities. Under this permit the City is required to prepare a SMAP to identify approaches that accommodate development while preventing water quality degradation and/or improving water quality conditions harmed by past developments.

DISCUSSION

In October 2021, Council approved staff to submit an application for the DOE Water Quality Combined Funding Program for the SMAP. The City recently received notification that it was awarded the grant for the SMAP, which will include documenting capital improvements for water quality and flow control, policy recommendations and targeted stormwater management actions within the Riverton stormwater basin.

FISCAL IMPACT

The City has been awarded \$72,353.00 from the DOE Water Quality Combined Funding Program, which requires a 15% local city match of \$10,852.95. Matching funds will be drawn from the Surface Water Comp Plan (SWCP) CIP and falls within the project budget.

	<u>Grant Award</u>	<u>Fund Source</u>	<u>Budget</u>
DOE Grant	\$72,353.00	SWCP CIP	\$200,000.00
Required Match	<u>10,853.00</u>		
Total	\$83,206.00		

RECOMMENDATION

Council is being asked to formally accept the Department of Ecology for its Water Quality Combined Funding Program grant in the amount of \$72,353.00 for the Stormwater Management Action Plan on the Consent Agenda at the October 3, 2022 Regular Council Meeting.

Attachments: 2021 CIP Page 88
Award Letter

CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2021 to 2026

PROJECT: Surface Water Comprehensive Plan

Project No. 82141202

DESCRIPTION: Periodically revise and update the adopted Surface Water Comprehensive Plan to: 1) Incorporate the latest requirements of the National Pollution Discharge Elimination System (NPDES) and Endangered Species Act (ESA); 2) Update Capital Improvement Projects to reflect current needs and completed projects; 3) Include GIS based basin and system maps as they become available; and 4) Revise Storm Water ordinance as needed.

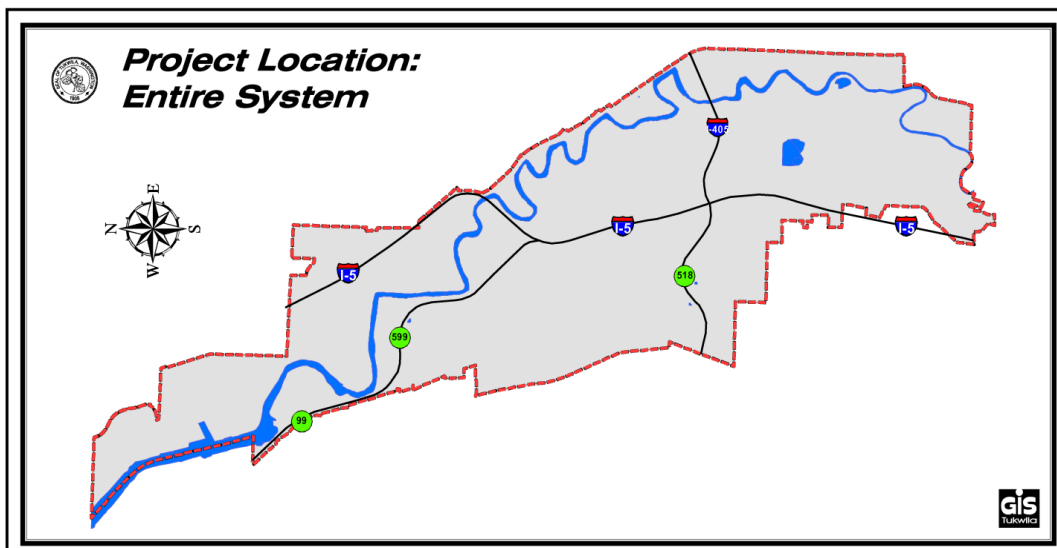
JUSTIFICATION: The latest requirements from regulatory agencies as well as newly identified City needs must be included in a regularly updated Surface Water Comprehensive Plan.

STATUS: The Surface Water Comprehensive Plan was completed in 2003 and updated in 2013. Future updates are planned on a 7-year cycle with the next update in 2021.

MAINT. IMPACT:

COMMENT:

FINANCIAL (in \$000's)	Through Estimated									TOTAL
	2019	2020	2021	2022	2023	2024	2025	2026	BEYOND	
EXPENSES										
Design	163		200						250	613
Land (R/W)										0
Const. Mgmt.										0
Construction										0
TOTAL EXPENSES	163	0	200	0	0	0	0	0	250	613
FUND SOURCES										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	163	0	200	0	0	0	0	0	250	613
TOTAL SOURCES	163	0	200	0	0	0	0	0	250	613





STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PO Box 47600, Olympia, WA 98504-7600 • 360-407-6000

July 1, 2022

Allan Ekberg, Mayor
City of Tukwila - Public Works
6200 Southcenter Blvd
Tukwila, Washington 98188

allan.ekberg@tukwilawa.gov

Sherry Edquid, Project Manager
City of Tukwila - Public Works
6300 Southcenter Blvd, Suite 100
Tukwila, Washington 98188

sherry.edquid@tukwilawa.gov

**Re: Tukwila's SMAP Basin Planning for Retrofitted Water Quality/Flow Control,
WQC-2023-Tukwil-00173
*State Fiscal Year 2023 Final Water Quality Funding Offer List and Intended Use Plan***

Thank you for your time and effort in applying to Ecology for funding for your water quality project in the State Fiscal Year 2023 (SFY23) Funding Cycle. I am pleased to inform you that your project has been selected for funding. Please review the following information closely for more details.

On June 30, 2022, Ecology published the [SFY23 Final Water Quality Funding Offer List and Intended Use Plan](#)¹⁹⁷ (Final List). The Final List describes the projects and funding for the SFY23 Funding Cycle from the Centennial Clean Water Program (Centennial), the Clean Water Act Section 319 Nonpoint Source Fund (Section 319), the Stormwater Financial Assistance Program (SFAP), the Clean Water State Revolving Fund (CWSRF), and new federal funding provided to the CWSRF through the Bipartisan Infrastructure Law (BIL).

On November 15, 2021, President Joe Biden signed the Infrastructure Investment and Jobs Act (IIJA), also known as the Bipartisan Infrastructure Law (BIL), which Ecology estimates could provide nearly \$200 million in new funding to Washington's CWSRF over the next five years. For this SFY 2023 Final List, Washington's CWSRF has been allocated a total of \$31 million in BIL funds, awarded as part of the CWSRF, and focused on supporting small financially disadvantaged community projects.

Ecology evaluated 124 applications from local governments, tribes, conservation districts, other

¹⁹⁷ <https://apps.ecology.wa.gov/publications/documents/>

public entities, and qualified not-for-profit organizations. Funding requests totaled approximately \$413 million. To ensure funds are committed to the highest priority projects, Ecology water quality specialists evaluated and scored all eligible project proposals. Scores were compiled, and a statewide priority list was developed. Projects proposed for funding are based upon the priority list, the type of project, and the funding source.

After rating and ranking all eligible proposed projects and providing support for three additional small financially disadvantaged community phased projects, Ecology offered approximately \$317 million to 124 projects. Detailed information on all proposals received and offered funding can be found in Appendix 1 in the Final List.

A record of scores and evaluator comments are provided in the Evaluation Scorecard Report available through Ecology's Administration of Grants and Loans (EAGL) system. Applicants are strongly encouraged to review the report, as it will help applicants understand the strengths and weaknesses of their application. In addition, reviewing the report will help applicants become aware of any concerns about unclear costs or tasks and/or possible ineligible components; unclear costs or tasks and/or ineligible components may significantly delay the development of a funding agreement. To obtain the Evaluation Scorecard Report, follow these steps.

- Go into your application in EAGL.
- While in the Application Menu, click "View Forms" in the "View, Edit and Complete Forms" section.
- Scroll down the list of forms to near the bottom.
- Click on "Evaluation Scorecard (External)" in the "Screening/Evaluation/Offer" section.
- Follow the prompts for opening or saving a PDF copy of the report.

I am pleased to inform you that your project is being offered funding of up to \$72,353, including:

- A \$0 from CWSRF for a term of N/A years at a N/A percent interest rate.
- A \$0 Forgivable Principal loan from CWSRF that will not be required to be repaid.
- A \$72,353 grant from SFAP.
- A \$0 grant from Centennial.
- A \$0 grant from Section 319.

The final funding amount awarded for your project will be based on negotiations between you and Ecology regarding the project scope of work, budget, technical considerations, reasonableness of cost, and eligibility determinations.

Based on your application, project type, and fund source, various conditions of funding will

apply; these will be addressed during the agreement negotiation process. For information on conditions that may apply, please see Ecology's [SFY23 Funding Guidelines](#)¹⁹⁸ and the footnotes assigned to your project in Appendix 1 in the Final List.

All projects require cultural resources review, and most projects require environmental review. Please be aware of the requirements for your project, and implement the project schedule accordingly. If you have specific questions, please contact Environmental and Cultural Resource Coordinator, Liz Ellis, at liz.ellis@ecy.wa.gov or (360) 628-4410 or Seth Elsen, at seth.elsen@ecy.wa.gov, (564) 999-1177.

Ecology is committed to negotiating and signing a funding agreement no later than January 31, 2023. To meet this timeline and ensure timely use of limited state and federal funds, it is essential that negotiations and funding agreement development begin as soon as possible. Please see the typical negotiation timeline on the last page of this letter.

Ecology assigned the following Grant and Loan Project Management Team for your project:

Heather Bearnes-Loza	NWRO	Ecology Project Manager	(360) 584-2755
Karen Izumoto	Headquarters Office, Lacey	Ecology Financial Manager	(360) 870-7524

Ecology's Project Manager or Financial Manager will contact you soon to schedule agreement negotiations.

Ecology appreciates your commitment to improving Washington's water quality and looks forward to working with you to complete this high priority project.

If you have any questions or concerns regarding the water quality funding programs, please contact Jeff Nejedly, Water Quality Financial Management Section Manager, at jeffrey.nejedly@ecy.wa.gov or (360) 407-6572.

Sincerely,

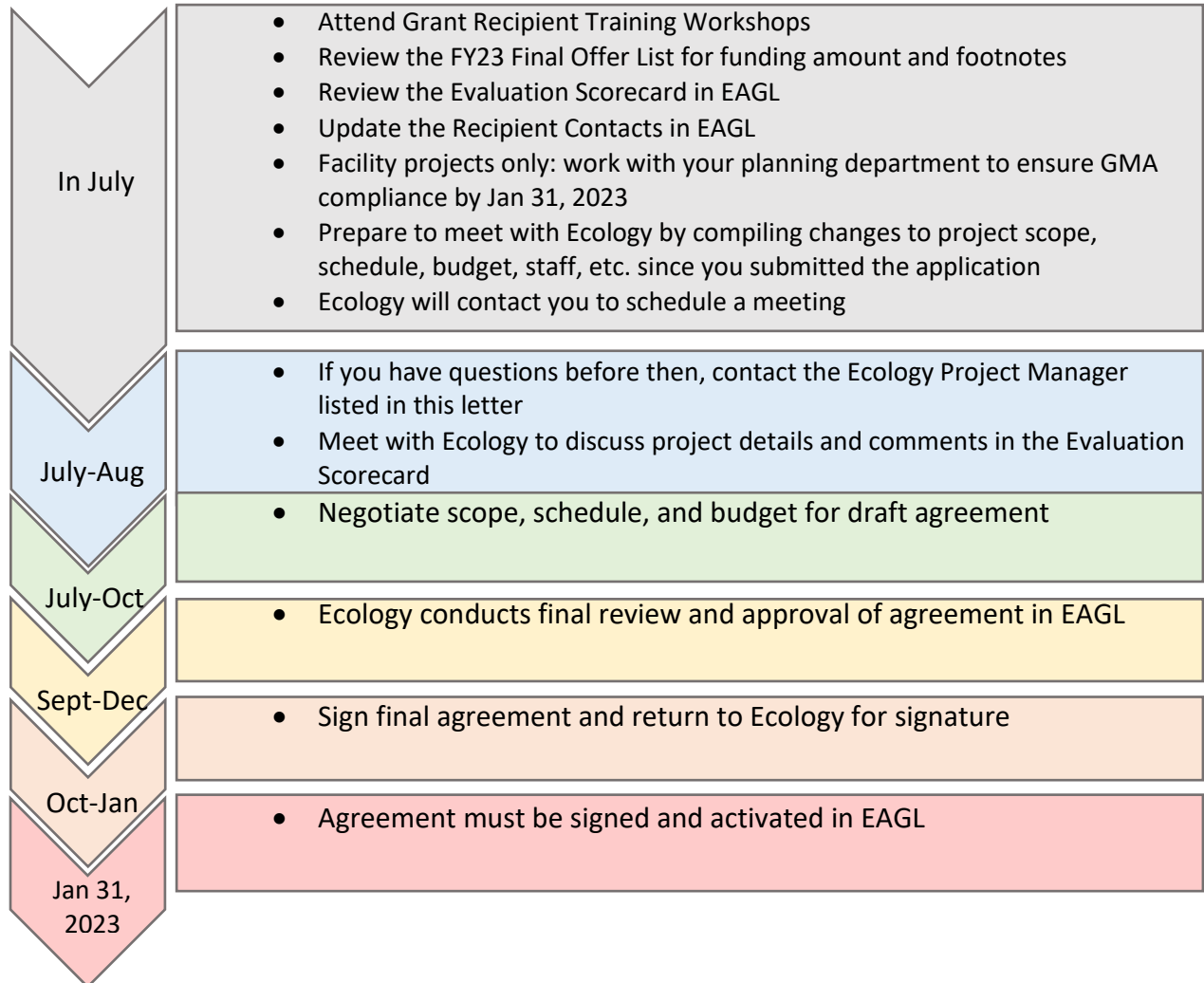


On behalf of

Vincent McGowan, P.E.
Water Quality
Program Manager

¹⁹⁸ <https://apps.ecology.wa.gov/publications/documents/2110028.pdf>

My project has been offered funds. What are my next steps?



Simpler projects may be through the process faster and more complex projects may take until Jan 2023.



INFORMATIONAL MEMORANDUM

TO: **Transportation and Infrastructure Services Committee**
 FROM: **Hari Ponnekanti, Public Works Director/City Engineer**
 BY: **Brittany Robinson, Grant Analyst**
 CC: **Mayor Allan Ekberg**
 DATE: **September 16, 2022**
 SUBJECT: **Surface Water Fund - Stormwater Quality Retrofit Project**
Project No. 91241202
Department of Ecology Grant Award and Acceptance

ISSUE

Accept a Washington State Department of Ecology (DOE) Water Quality Combined Funding Program grant award in the amount of \$1,176,341.00 to fund a portion of the Storm Water Quality Retrofit Project.

BACKGROUND

The Storm Water Quality Retrofit Project will improve the water quality of stormwater discharged from City roadways into the Green-Duwamish River. Improving water quality positively affects human health and aquatic species such as the ESA-listed Puget Sound Chinook salmon. In December 2020, the UW Tacoma and WSU Puyallup uncovered a chemical tire preservative as the culprit in stormwater-related Coho mortality, aka. urban stormwater runoff mortality syndrome.

DISCUSSION

In February 2021, Council approved staff to submit an application for the DOE Water Quality Combined Funding Program for the Stormwater Quality Retrofit Program. The City recently received notification that it was awarded the grant to support all aspects of the project, including 90% design documentation to bid documents, construction, and construction management.

FINANCIAL IMPACT

The City has been awarded \$1,176,341.00, which requires a 15% local city match of 176,451.00. Matching funds will be drawn from the King County WaterWorks Grant, which awarded the City \$189,274 for the Stormwater Quality Retrofit Project in 2021.

	<u>Grant Award</u>	<u>Fund Source</u>	<u>Budget</u>
DOE Grant	\$1,176,341.00	KC WaterWorks	\$189,274.00
Required Match	<u>176,451.00</u>		
Total	\$1,352,792.00		

RECOMMENDATION

Council is being asked to formally accept the Department of Ecology for its Water Quality Combined Funding Program grant in the amount of \$1,176,341.00 for the Storm Water Quality Retrofit Project on the Consent Agenda at the October 3, 2022 Regular Council Meeting.

Attachments: 2021 CIP Page 89
DOE Award Letter

CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2019 to 2024

PROJECT: Storm Water Quality Retrofit Program

Project No. 91241202

DESCRIPTION: Provide, design, and install water quality testing and improvements at selected drainage locations.

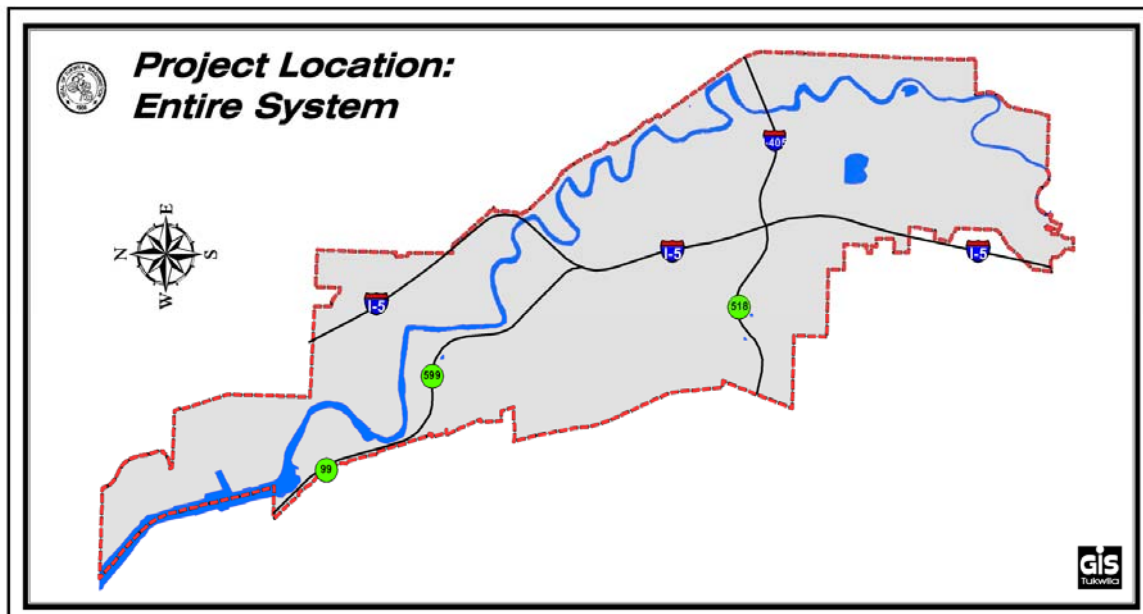
JUSTIFICATION: Most surface water is discharged directly to receiving water bodies untreated.

STATUS: Water quality was added to Interurban Ave S in 2015 and 53rd Ave S in 2018.

MAINT. IMPACT: Expected to increase maintenance.

COMMENT: Combine with other CIP projects for design and construction, where feasible. A 2017 WA State Department of Ecology grant was awarded for \$244,375 with a City match of \$43,125.

FINANCIAL (in \$000's)	Through		Estimated							BEYOND	TOTAL
	2017	2018	2019	2020	2021	2022	2023	2024			
EXPENSES											
Design	1		299	20	20	10	10	15	20	395	
Land (R/W)										0	
Const. Mgmt.			15	15	15	15	15	10	15	100	
Construction			45	80	1,000	40	80	80	80	1,405	
TOTAL EXPENSES	1	0	359	115	1,035	65	105	105	115	1,900	
FUND SOURCES											
Awarded Grant			244							244	
Proposed Grant					850					850	
Mitigation Actual										0	
Mitigation Expected										0	
Utility Revenue	1	0	115	115	185	65	105	105	115	806	
TOTAL SOURCES	1	0	359	115	1,035	65	105	105	115	1,900	





STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PO Box 47600, Olympia, WA 98504-7600 • 360-407-6000

July 1, 2022

Allan Ekberg, Mayor
City of Tukwila - Public Works
6200 Southcenter Blvd
Tukwila, Washington 98188

allan.ekberg@tukwilawa.gov

Michael Perfetti, Habitat Project Manager
City of Tukwila - Public Works
6300 Southcenter Boulevard
Tukwila, Washington 98188

mike.perfetti@tukwilawa.gov

**Re: Stormwater Outfall Water Quality Retrofit Program,
WQC-2023-Tukwil-00073
*State Fiscal Year 2023 Final Water Quality Funding Offer List and Intended Use Plan***

Thank you for your time and effort in applying to Ecology for funding for your water quality project in the State Fiscal Year 2023 (SFY23) Funding Cycle. I am pleased to inform you that your project has been selected for funding. Please review the following information closely for more details.

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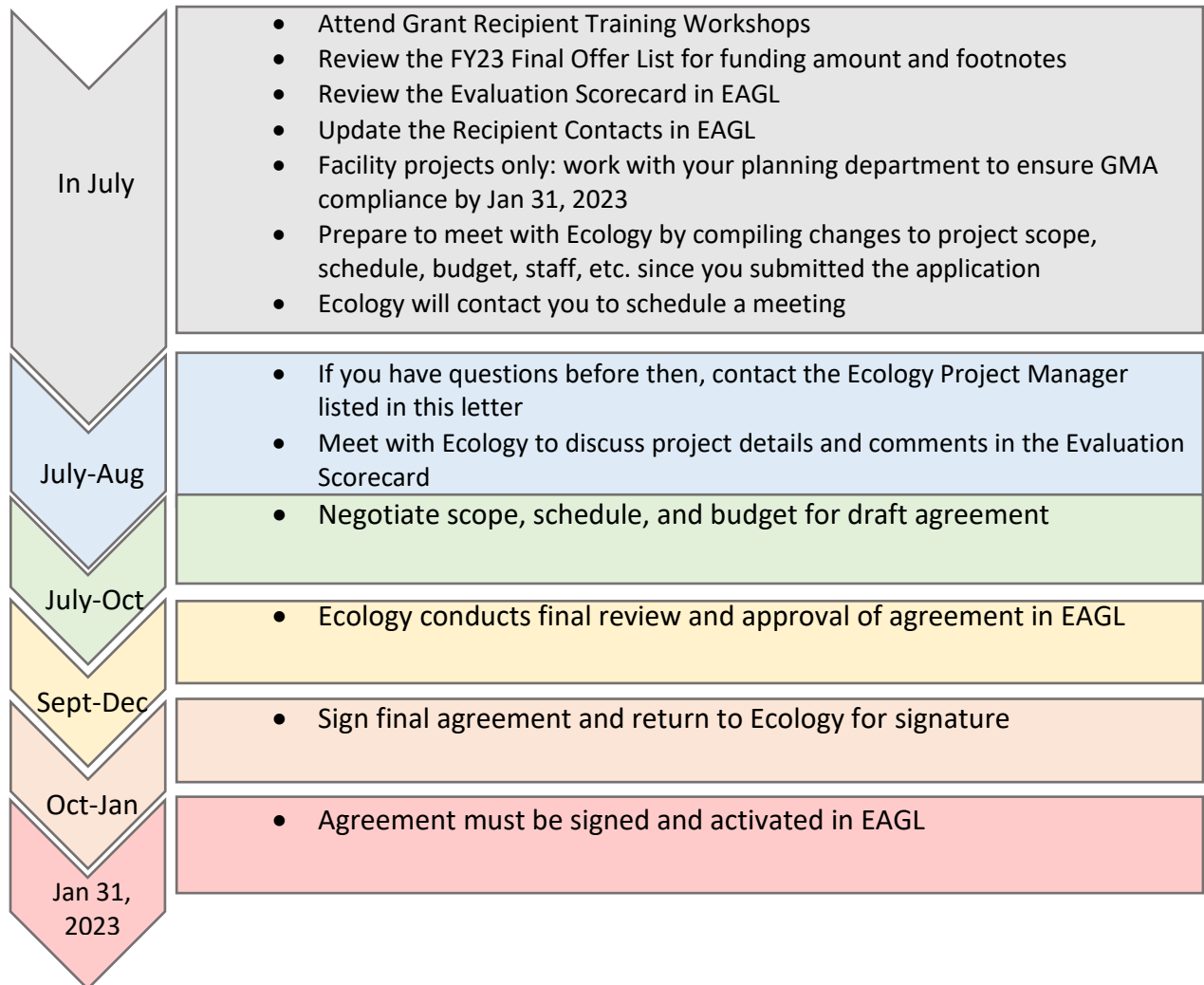


On behalf of

Vincent McGowan, P.E.
Water Quality
Program Manager

¹⁹⁶ <https://apps.ecology.wa.gov/publications/documents/2110028.pdf>

My project has been offered funds. What are my next steps?



Simpler projects may be through the process faster and more complex projects may take until Jan 2023.



INFORMATIONAL MEMORANDUM

TO: **Transportation and Infrastructure Services Committee**
 FROM: **Hari Ponnekanti, Public Works Director/City Engineer**
 BY: **Cyndy Knighton, Senior Program Manager**
 CC: **Mayor Ekberg**
 DATE: **September 16, 2022**
 SUBJECT: **Green River Trail Improvements**
Project No. 91810403
Contract No. 22-099, Amendment No. 1

ISSUE

Approve Amendment No. 1 for Contract 22-099 with KPFF Consulting Engineers for the Green River Trail Improvements project in the amount of \$273,977.69 to package the Plans, Specifications, and Estimate (PS&E) documents, provide Construction Support Services (CSS) and Construction Management (CM).

BACKGROUND

In 2007, the City selected KPFF Consulting Engineers to design the Tukwila Urban Center Pedestrian/Bicycle Bridge over the Green River. The design of the bridge and associated landings was completed, and the bridge began constructed in 2016 and was fully open by the end of the 2017. At the time the project went to bid, the associated improvements along the Green River Trail between the western bridge landing and Christensen Road were removed due to budget constraints. The City has been applying for grant funding to complete the trail improvements, which were fully designed and permitted since 2018. Earlier this year, the City received notification that a recent grant application to the Transportation Alternatives Program (TAP) for the trail improvements was successful. The City accepted the grant on June 6, 2022.

An original contract was approved and signed with KPFF in the amount of \$13,612.12 to develop a construction cost estimate and number of project working days prior to for the TAP grant obligation packet, which had a deadline of August 31, 2022.

DISCUSSION

As KPFF completed the design and assisted with the obligation documents, staff recommends supplementing their existing contract with an amendment to package the PS&E documents into ad-ready bid documents and provide construction support services and construction management once construction begins in 2023. The plan sheets will be checked for completeness and the specifications and estimate will be updated to current information.

FINANCIAL IMPACT

The project budget is \$1,297,000 which includes the TAP grant award of \$989,000 and City match of \$308,000. The project budget is sufficient to cover the cost of the contract with KPFF. Project construction is estimated to be \$922,559.23, which is within the total project budget.

	<u>Cost Estimate</u>		<u>Project Budget</u>
KPFF Original Contract	\$13,612.12	TAP Grant	\$ 989,000.00
KPFF Supplemental	273,977.69	City Match	<u>308,000.00</u>
Total	<u>\$287,589.81</u>		\$1,297,000.00

RECOMMENDATION

The Council is being asked to approve the Amendment No. 1 to Contract 22-099 with KPFF Consulting Engineers in the amount of \$273,977.69 and consider this item on the Consent Agenda of the October 3, 2022 Regular Meeting.

ATTACHMENTS: 2021 CIP Page 11
KPFF Supplemental Agreement

CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2021 to 2026

PROJECT: **Green River Trail Improvements** Project No. 91810403

DESCRIPTION: Construct a widened trail section between the west landing of the Southcenter Pedestrian Bridge and the shared use path on Christensen Road. Includes illumination, CCTV, and provides the fiber connection to the Pedestrian Bridge for operation of CCTV and communication to the light controllers and ped/bike counter.

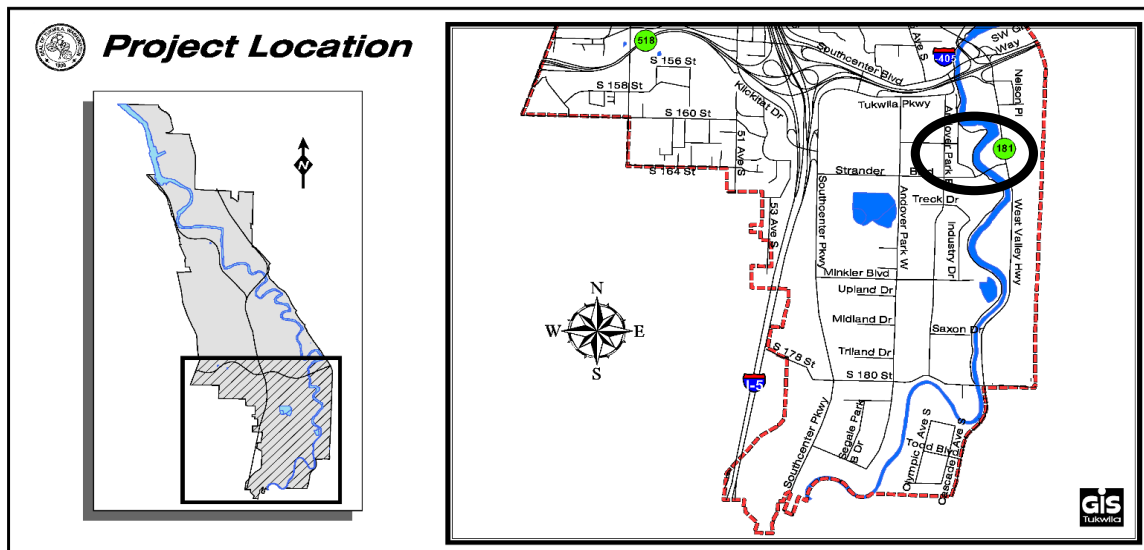
JUSTIFICATION: Wider trail section is needed to accommodate the intermingling of trail and bridge users by providing a wider trail and improved safety features.

STATUS: Designed and permitted as part of the TUC Pedestrian/Bicycle Bridge.

MAINT. IMPACT: Reduced pavement repairs, increased maintenance for illumination and CCTV upkeep.

COMMENT: Project is a subset of the TUC/TOD Ped Imprvmt Project (90710405), the TUC Ped/Bike Bridge Project (90510403) and Baker Blvd Non-Motorized (91610409). All permitting and mitigation was completed as part of the Ped Bridge project. Permitting expires in 2022, delays past this date would need new permit approvals. PSRC grant application in 2018 unsuccessful. Apply for ped/bike grant in 2020.

FINANCIAL (in \$000's)	Through		Estimated								
	2019	2020	2021	2022	2023	2024	2025	2026	BEYOND	TOTAL	
EXPENSES											
Design			74							74	
Land (R/W)										0	
Const. Mgmt.				200						200	
Construction				1,000						1,000	
TOTAL EXPENSES	0	0	74	1,200	0	0	0	0	0	1,274	
FUND SOURCES											
Awarded Grant										0	
Proposed Grant			66	900						966	
Mitigation Actual										0	
Traffic Impact Fees										0	
City Oper. Revenue	0	0	8	300	0	0	0	0	0	308	
TOTAL SOURCES	0	0	74	1,200	0	0	0	0	0	1,274	





CONTRACT FOR SERVICES

Amendment #1

Between the City of Tukwila and KPFF Consulting Engineers

That portion of Contract No. 22-099 between the City of Tukwila and KPFF Consulting Engineers is hereby amended as follows:

Section 2:

2. The Consultant agrees to perform the services, identified on Exhibit "A-1" attached hereto, including the provision of all labor, materials, equipment and supplies.

Section 3:

3. **Duration of Agreement; Time for Performance.** This Agreement shall be in full force and effect for a period commencing upon execution and ending December 31, 2023, unless sooner terminated under the provisions hereinafter specified. Work under this Agreement shall commence upon written notice by the City to the Consultant to proceed. The Consultant shall perform all services and provide all work product required pursuant to this Agreement no later than December 31, 2023 unless an extension of such time is granted in writing by the City.

Section 4:

4. **Payment.** The Consultant shall be paid by the City for completed work and for services rendered under this Agreement as follows:
 - A. Payment for the work provided by the Consultant shall be made as provided on Exhibit "B-1" attached hereto, provided that the total amount of payment to the Consultant shall not exceed \$287,589.81 without express written modification of the Agreement signed by the City.

All other provisions of the contract shall remain in full force and effect.



City of Tukwila

6200 Southcenter Boulevard, Tukwila WA 98188

Agreement Number:
22-099

Dated this _____ day of _____, 20_____.

CITY OF TUKWILA

CONTRACTOR

Allan Ekberg, Mayor

Printed Name:_____

ATTEST/AUTHENTICATED

APPROVED AS TO FORM

Christy O'Flaherty, MMC, City Clerk

Office of the City Attorney

**Exhibit A-1
Scope of Work**

***Green River Trail Improvements
Repackaging Plans, Specifications, and Cost Estimate (PSE) and Construction
Management***

PROJECT DESCRIPTION

The Tukwila Urban Center project created a multi-use pedestrian and bicycle corridor that connected the Sounder Station with the Tukwila Transit Center. A portion of the Green River Trail reconstruction west of and along the south bank of the Green River within this corridor was designed but previously eliminated from these projects. This unimproved portion of the Green River Trail, between Christensen Road and the west landing of the new pedestrian bridge will be reconstructed with this project, finalizing the last leg of the Tukwila Urban Center connection corridor.

PROJECT OBJECTIVES

The overall objective of this project is to prepare construction Plans, Specifications, and Cost Estimate and provide construction management services for trail improvements from the west landing of the new pedestrian bridge to the east side of Christensen Road. The trail will be paved in concrete matching the general finish of previous improvements along the west side of Christensen Road, and maintain access and loading requirements for maintenance of the Green River bank by the United States Army Corp of Engineers (USACE). The project team is made up of the following firms:

Owner	City of Tukwila
Prime Consultant	KPFF Consulting Engineers
Civil Engineering	KPFF Consulting Engineers
Structural Engineering	KPFF Consulting Engineers
Urban Design	KPG Psomas
Landscape and Irrigation	KPG Psomas
Illumination	KPG Psomas
Surveying	KPG Psomas
Environmental and Permitting Services	Landau Associates
Construction Management	KPFF Consulting Engineers

ASSUMPTIONS

- There is no Right-of-Way acquisition required for this project. The trail alignment will be adjusted so all permanent construction is outside adjacent parcel property boundaries.
- There is no permitting work for this contract. Previous permitting was done for the entire corridor project. All environmental mitigation was constructed as a part of the bridge construction. Existing permits are still in place and unexpired or renewed, and the project does not have any need for permit updates.
- There is no Geotechnical Engineering included for this project. The previous geotechnical investigation and proposed surfacing will be used.

- There is no survey included for this project. The previous survey base mapping and adjacent design will be used.

SCOPE OF WORK

The following is a scope of work for the repackaging of the plans, specifications, and estimated construction costs (PSE) and construction support and management phases of the project.

Task No. 1.0 – Project Management and Administration

Task No. 1.01 – Project Schedule

A project repackaging and construction schedule shall be created in Microsoft Project that spans from the notice-to-proceed for the work to repackage the PSE documents and perform construction management and construction support services during project construction. The schedule shall be updated on an as needed basis. The schedule will incorporate time requirements for bidding, award, and construction contract notification to proceed as provided by the City.

Task No. 1.02 – Design Team Subconsultant Agreements

Consultant shall prepare Subconsultant contract agreements.

Task No. 1.03 – Progress Reports

A progress report form shall be provided to each team member. This form shall be filled out on a monthly basis and submitted with the invoice for the work described in the progress report. Consultant shall compile the reports into a single document to be submitted to the City with the associated monthly invoice.

Task No. 1.04 – Invoices

Team members are to prepare monthly invoices for work completed. Consultant shall compile the invoices into a single document to be submitted to the City. The anticipated contract duration is 15 months.

Task No. 1.05 – Team Meetings

The Consultant team shall meet with the City a maximum of four (4) times to discuss project issues, schedule, progress, and general coordination of effort. The Consultant team shall meet internally as needed to coordinate project tasks and design.

Deliverables

- Project schedule with monthly updates
- Monthly progress reports and invoices
- Team meetings
 - Participation in project meetings with the City (assume 4 meetings)

Exhibit A – Scope of Work
Tukwila Urban Center, Green River Trail

Page 3

- Participation in internal consultant team meetings with the City (assume 4 meetings)

Task 2.0 – Basemap Creation

Consultant shall update the previous topographic survey by integrating previous proposed work for Tukwila Pedestrian Bridge approach and Christensen Road sidewalk improvements.

Deliverables:

- Revised basemap in AutoCAD V20.dwg format.
- Basemap flattened to zero elevation for plan use.
- Drawing set will use previous benchmarks and horizontal control, basis of bearing, property lines, and legend.
- Deliverable will be AutoCAD V20 .dwg file and .pdf.

Task 3.0 – Project Workshops

Task No. 3.01 – Internal Team PSE Kick-Off Meeting

The team shall meet to discuss the previous work completed on the project and develop an approach to move forward to be shared and discussed in a project kick off meeting with the City.

Task 4.0 – Environmental and Permitting Services

Not Used

Task 5.0 – Civil Engineering

Consultant shall perform the civil engineering support work necessary to complete construction documents for the project.

Task No. 5.01 – Site Preparation and Demolition

Consultant shall identify demolition and other site preparation work necessary for the construction of the trail Improvements.

Task No. 5.02 – Horizontal and Vertical Control and Layout

Consultant shall revise the construction horizontal and vertical alignment for the pedestrian trail to clear all private property boundaries. This work shall also include design and layout

of other related facilities such as ADA landings necessary for the pedestrian trail to tie to existing grades at the pedestrian bridge and Christensen Rd.

Task No. 5.03 – Grading and Paving

Consultant shall develop the necessary typical sections and proposed terrain model, and establish finish grade and grading limits for the improvements. Cross sections will be created at a 25-foot interval showing the existing and proposed grades.

Assumptions

- No finish grade contours are included in this work. All grades will be established with the proposed horizontal alignment, vertical alignment, and typical section.

Task No. 5.04 – Temporary Erosion and Sedimentation Control

KPFF shall prepare temporary erosion control plans and details. Plans will be prepared to a format consistent with the KCSWDM and the City’s standard details.

Assumptions

- Construction Plan Details sheets will only include special construction.
- Standard Details for the City of Tukwila and/or the Washington State Department of Transportation (WSDOT) will be referenced on the Plans, but will not be included in the plan set detail sheets. Applicable Standard Plans will be included within Appendices of the Specifications.
- General notes are not included in this work.
- Stormwater drainage Technical Information Report (TIR) prepared previously for this project is still valid. No update of the TIR is included.

Task No. 5.05 – Utilities

- Consultant shall design necessary relocations for City owned or privately owned utilities disturbed by the project.
- Consultant shall coordinate identification of utility relocations for any franchise utilities being disturbed within public Right of Way (R/W).

Assumptions

- Private utilities shall be located by survey, and locating utilities is not included within this task.
- Standard Details for the City of Tukwila and/or the Washington State Department of Transportation (WSDOT) will be referenced on the Plans, but will not be included in the plan set detail sheets. Applicable Standard Plans will be included within Appendices of the Specifications.

Exhibit A – Scope of Work
Tukwila Urban Center, Green River Trail

Page 5

- Potholing for determining utility depths is not included in this work. The City will be responsible for coordinating with the utility companies to perform any required potholing.
- Necessary utility relocations will be shown on the Storm and Utility Plans. Due to the small amount of anticipated work, separate utility plans are not included at this time.
- Work addresses existing utilities. No new utility construction is currently included in this work.

Task No. 5.07 – Temporary Traffic Control

Consultant shall design necessary roadway signing for trail closure and detour for construction of the trail.

Assumptions

- Standard Details for the City of Tukwila and/or the Washington State Department of Transportation (WSDOT) will be referenced on the Plans, but will not be included in the plan set detail sheets. Applicable Standard Plans will be included within Appendices of the Specifications.

Deliverables (Electronic and Hard Copies)

- Anticipated Civil Plan Sheets (Sheet Count: ±10)
 - Cover Sheet
 - Sheet Legend
 - Legend and Abbreviations
 - Site Preparation (2 sheets)
 - TESC Plans (2 sheets)
 - TESC Detail (1 sheet)
 - Roadway Sections (1 sheet)
 - Plan/Profile sheets (2 sheets)
 - Paving Detail (1 sheet)
 - Drainage (0 sheets)
 - Drainage Detail (0 sheet)
 - Utility (1 sheets)
 - Utility Detail (1 sheet)
 - Temporary Traffic Control Plan (2 sheets)
 - Temporary Traffic Control Detail (1 sheet)
 - Draft 100 Percent Plan Submittal:
 - draft 100% level plan set (.pdf - 22 x 34)

Exhibit A – Scope of Work
Tukwila Urban Center, Green River Trail

Page 6

- 100 Percent Plan Submittal:
 - Response to City 100% Comments (3 copies)
 - 100% level plan set (.pdf - 22 x 34)
 - Response to City/WSDOT Comments (3 copies)
- Final PS&E Submittal:
 - Final plan set (.pdf - 22 x 34)

Task 6.0 – Structural Engineering

KPFF shall provide structural engineering support for the Plans, Specifications, and Estimate (PSE) design phase of the Green River Trail Improvements project.

Task No. 6.01 – Trail Design

KPFF shall provide structural engineering support for the PSE design of the trail.

Components of the trail design shall include the following items:

- Review of previous geotechnical reports
- Light pole foundations

Task No. 6.02 – Miscellaneous Structures

Consultant shall provide structural engineering for the PSE design of miscellaneous structures.

Miscellaneous structures shall include the following items:

- Decorative wall footings and foundation

Deliverables (Electronic and Hard Copies)

- Anticipated Structural Plan Sheets (Sheet Count: ± 1):
 - Wall Footing and Foundation Detail
 - Light Pole Foundation Detail
- draft 100 Percent Plan Submittal:
 - Draft 100% level plan set (.pdf - 22 x 34)
 - Response to City draft 100% Comments (3 copies)
- 100 Percent Plan Submittal:
 - 100% level plan set (.pdf - 22 x 34)
 - Response to City / WSDOT Comments (3 copies)
- Final Plan Submittal:

- Final plan set (.pdf - 22 x 34)

Task 7.0 – Illumination, Urban Design, and Landscape

Understanding

Trail alignment will be revised to ensure trail is within existing trail easement and ROW (outside of private property to the south edge of the trail).

Revised trail alignment will necessitate revisions to current design including:

- Planting revisions
- Irrigation - including revisions to integrate trail system with existing system Phase 1
- Illumination - light fixtures will need to be verified as to the type and if still available. This may incur additional work to make sure the layout is adequate for the new fixtures

Consultant will provide QA/QC for each submittal.

Task No. 7.01 – Illumination

Consultant shall provide draft 100%, 100%, and Final illumination plans for the trail, and connection to existing illumination system for the adjacent bridge. Work includes evaluating pedestrian lighting fixtures to confirm specified fixtures are current and available, and review and revise, as necessary, conduits, wiring, and coordination of electrical power connection services with local power company. The Consultant shall review and republish previous lighting performance evaluation throughout the project using the AGi32 illumination model.

Task No. 7.02 – Trail Urban Design

Consultant shall provide draft 100%, 100%, and Final Plans for trail urban design layout and surface treatments (Civil engineering by KPFF) wayfinding sign relocation, and site elements (i.e. litter receptacles, benches, decorative walls, etc.).

Task No. 7.03 – Landscape and Irrigation

Consultant shall provide draft 100%, 100%, and Final Plans for planting design and irrigation design (including irrigation controller, water source point of connection) for restoration along trail section.

Deliverables

- Anticipated Sheets:
 - Trail Landscape Plans and Details and Hardscape Details
 - Trail Enlarged Landscape Plans and Details and Hardscape Details
 - Trail and Bridge Lighting Plan and Details
 - Site Furnishing/ Plan and Details

Exhibit A – Scope of Work
Tukwila Urban Center, Green River Trail

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- draft 100 Percent Plan Submittal:
 - draft 100% level plan set (.pdf - 22 x 34)
 - Response to City draft 100% Comments (3 copies)
- 100 Percent Plan Submittal (.pdf - 22 x 34)
 - Draft Final plan set (.pdf - 22 x 34)
 - Response to City/WSDOT Plan comments (3 copies)
- Final Plan Submittal (.pdf - 22 x 34)
 - Final plan set (.pdf - 22 x 34)

Task 8.0 – Right-of-Way Services

This task shall only include necessary documentation for temporary construction easements, if needed. The Consultant shall prepare legal exhibits (stamped diagram and brief legal description) for temporary construction easements for 2 parcels bounding the south side of the trail. Temporary Construction Easements will be executed with the land owner by the City.

Task 8.01 – Temporary Construction Easement Documentation

Consultant shall provide legal descriptions and exhibit maps for two parcels.

Assumptions:

- No formal Right-of-Way Plans are included at this time as there is no Right-of-Way acquisition as a part of this project.
- No Title Report updates are included at this time. Title reports for 2 adjacent parcels are available from previous phase.

Task 9.0 – Cost Estimate

Task 9.01 – Updates to Cost Estimate

Consultant shall recompile and verify construction quantities for work identified on the Plans. Backup documentation shall be included for item quantity takeoffs. The cost estimate shall be based upon WSDOT Standard Specifications and Standard Item Table. The unit prices shall be updated for current bid process

Exhibit A – Scope of Work
Tukwila Urban Center, Green River Trail

Page 9

Consultant shall verify the estimate of construction working days required for the construction previously calculated.

Consultant shall update the quantity takeoffs and cost estimates based on City and WSDOT review comments.

Assumptions

- City shall provide copies of their latest bid tabulations for recent public works contracts.

Deliverables (Electronic and Hard Copies)

- Draft 100 Percent Submittal:
 - Updates Estimated Quantities and Associated Costs (.pdf)
 - Estimated Construction Duration
 - Response to City Review Comments
- 100 Percent Submittal:
 - Updates Estimated Quantities and Associated Costs (.pdf)
 - Response to City/WSDOT Review Comments
- Final PS&E Submittal:
 - Final Cost Estimate
 - Estimated Quantities (documentation .xls and .pdf)

Task 10.0 – Specifications

Consultant shall compile specifications for civil work and update to current 2022 WSDOT Standard Specification. Draft 100% submittal shall include all special provisions required for the bid items identified as well as City of Tukwila Division 10, GSP's required for federal funding, and a bid proposal form. Draft 100% submittal will be reviewed by the City. Consultant will integrate City comments and resubmit to City with 100% submittal. The City will forwarded to WSDOT with the Plans for Local Programs review. Final Submittal shall integrate WSDOT comments, provide responses to WSDOT review comments, integrate all City comments, and publish for review. Upon final review by City, a Final set of specifications will be published and provided to the City for advertisement.

Assumptions

- City shall provide all Division 01 documents and Contract Boilerplate for federal funding.
- City shall provide all other City Special Provisions applicable to the project.
- City shall submit 100 percent specifications and Plans to WSDOT for review for Federal Requirements.

Deliverables (Electronic and Hard Copies)

- Draft 100 Percent Submittal:
 - Draft Specifications (.doc and .pdf)
- 100 Percent Submittal:
 - 100 percent Specifications (.doc and .pdf)
 - Response to City/WSDOT Specification comments (.xls)
- Final Submittal:
 - Final Specifications (.doc and.pdf)

Task 11.0 – Bid Support Services

Consultant shall respond in a timely manner to all Bidder questions forwarded by the City. Consultant shall prepare descriptions of addenda items, revised plans, and revised specifications as necessary, and provide these documents in .pdf format to the City to respond to bidder questions.

Assumptions

- City shall field all questions and formalize correspondence to bidders for responses.

Deliverables (Electronic and Hard Copies)

- Electronic .pdf versions of all revised documents.
- Conformed set of Plans integrating all revisions during bidding period
- Confirmed Specifications integrating all revisions during bidding period.

Task 12.0 – Construction Support Services

The project team will provide construction support to the City as the project design is completed and the project goes to advertisement and then construction. Tasks include attending four (4) construction meetings and site visits, answering four (4) Contractor’s requests for information (RFI), and twenty (20) submittal reviews.

Task 13.0 – Construction Management Services

Task No. 13.01 – Pre-Construction Services

KPFF will attend the bid opening. Following execution of a construction contract with the successful bidder, KPFF will facilitate a virtual pre-construction meeting. KPFF will provide

a Zoom link and will send invitations to attendees. KPFF will assist in preparing the list of attendees, attend and facilitate the pre-construction meeting, and prepare and distribute meeting minutes to stakeholders.

Task No. 13.02 – Contract Administration

KPFF will perform project management functions including contract administration, communications with City, coordination of staff and subconsultants, and invoice preparation. Facilitate communications and maintain an accurate record of correspondence with City, Contractor, and stakeholders. Prepare and distribute correspondence as needed. Develop project tracking logs specific to this contract and compile required federal funding documentation. Track certified payroll submittals and perform wage interviews with laborers.

Task No. 13.03 – Weekly Progress Meetings

KPFF will facilitate weekly virtual construction meetings with the Contractor. Task includes preparation of meeting agendas, facilitation of schedule updates from Contractor tracking against contract milestones, and preparation and distribution of meeting minutes to Owner, Contractor, and stakeholders.

Task No 13.04 – Submittal Review / Recommendations

KPFF Construction Management team will provide preliminary review of submittals or conformance with the Plans and Contract Provisions, and distribute to design team for review. KPFF will develop submittal tracking log and track status of all submittals.

Task No. 13.05 – Changed Conditions/RFI/Change Orders

KPFF Construction Management team will review Contractor Requests for Information (RFI) and design change requests, then make initial determination if Contractor needs to provide further information prior to design team review, or distribute to appropriate party.

KPFF will prepare and process construction field directives and resultant change orders. Track all changes to the approved Plans and Contract Provisions. Coordinate, negotiate, and issue change orders, along with all documentation for the change including summary sheet, creating an independent cost estimate, gathering Contractor's cost estimates and proposals, and writing a finding of fact.

KPFF will develop RFI and change tracking logs and track status of all RFIs and change items.

Task No. 13.06 – Contractor Payment Applications

KPFF will prepare and approve progress payment applications. KPFF will track all unit price items for each pay application and compile all relevant backup documentation. Verify that Contractor is maintaining redline drawings and that they are current at the time of pay application. Make recommendation and submit paperwork to Owner for payment to the Contractor.

Task No. 13.07 – Site Construction Observation

KPFF will monitor and document the Contractor’s work and daily activities for compliance with plans and contract provisions. Provide copies of the daily reports to Owner, Contractor, and stakeholders, indicating the status and compliance of the Contractor’s work with the Plans and Contract Provisions.

Observe traffic patterns and monitor safe traffic control procedures in compliance with approved traffic control plans during construction.

Observe the technical conduct of construction, including providing day-to-day contact with the construction Contractor, Owner, utilities, and other stakeholders, and monitor for adherence to the Contract Documents.

Observe material, workmanship, and construction areas for compliance with the Contract Documents and applicable codes, and notify construction Contractor of noncompliance. Advise Owner of all non-conforming work observed during site visits.

Evaluate and facilitate corrective action to issues which may arise related to the quality and acceptability of material furnished, work performed, and rate of progress of work performed by the Contractor.

Provide a daily construction inspection report for each day construction is observed (Inspector’s Daily Report/IDR), including but not limited to photo documentation, inspection and testing data, summary of the work for the day, and traffic control for each aspect of the construction activity.

Task No. 13.08 – Special Inspection / Testing

KPFF will provide special inspections/testing using subconsultants. KPFF will coordinate special inspections and testing, review the work of the Field Representative(s) and testing laboratories in the observation and testing of materials used in the construction, document and evaluate results of testing, and inform Owner and Contractor of deficiencies.

Document and log the locations, dates, and results of inspections and testing.

Task No. 13.09 – Substantial Completion/Final Inspection/Physical Completion

KPFF will facilitate the project completion process by performing inspections of work and making a determination of Substantial Completion. Develop a written list of remaining deficiencies and provide the punch list to the Contractor for corrective actions. Coordinate with the Contractor for the Operational Testing of all mechanical, electrical, irrigation, and other systems identified in the Plans and Contract Provisions.

Upon notification from the Contractor of completion of the punch list items and Operational Testing, perform a Final Inspection. Once any corrective measures are satisfactorily completed and inspected, make a recommendation to Owner for the project Physical Completion Date.

Coordinate inspections and closeout with the City.

Task No. 13.10 – As-Built Drawings

KPFF will coordinate and deliver to the design team a set of the Contractor's As-Built Drawings. The Contractor shall be responsible for the content and accuracy of the provided information. KPFF will review on a monthly basis, verify that content matches what the construction inspector has observed in the field, and review the final set of As-Built documents to confirm they are complete before delivering to the design team.

Task No. 13.11 – Project Closeout Documentation / Completion Date

KPFF will compile project closeout documents including final payment, QC reports, O & M manuals, inspection reports, and Contractor review forms. Compile all documentation from the Contractor required by the contract and governing laws. Once the documentation is accepted, provide a written final acceptance / contract completion letter to Owner.

Construction Management Assumptions

- Project is federally funded.
- Proposal incorporates anticipated level of effort for a 125-day contract, which assumes an 80 working day inspection period, plus preconstruction services prior to start of construction and contract closeout, and administrative services throughout.
- Construction working days are assumed to be Monday through Friday. KPFF anticipates providing full-time site presence during construction.
- Project meetings include (1) bid opening, (1) preconstruction conference, (16) weekly construction progress meetings, and (2) close-out walkthroughs. KPFF anticipates facilitating all meetings including development and distribution of agendas and minutes.

EXHIBIT B-1
KPFF Consulting Engineers
CONSULTANT FEE DETERMINATION
SUMMARY OF COST
GREEN RIVER TRAIL IMPROVEMENTS

Classification	Total Hours	X	Rate	=	Cost
Principal	20.00	X	\$75.73	=	\$1,514.60
Project Manager	124.00	X	\$76.88	=	\$9,533.12
Lead Civil Engineer	186.00	X	\$53.79	=	\$10,004.94
Structural Engineer	32.00	X	\$78.00	=	\$2,496.00
Design Engineer	72.00	X	\$39.71	=	\$2,859.12
CADD Manager	82.00	X	\$48.98	=	\$4,016.36
Project Coordinator	31.00	X	\$32.18	=	\$997.58
		X		=	\$0.00
		X		=	\$0.00
DSC Subtotal				=	\$31,421.72
Overhead (OH) Cost					
OH Rate x DSC of	140.56%	X	\$31,421.72	=	\$44,166.37
Fixed Fee (FF)					
FF Rate x DSC of	30.00%	X	\$31,421.72	=	\$9,426.52
Reimbursables					
Mileage (Miles)	200	X	\$0.625		\$125.00
Courier	4	X	\$75.00		\$300.00
Parking	0	X	\$20.00		\$0.00
(Blank)	(Allowance)				\$0.00
Subtotal					\$425.00
Consultant Costs					\$85,439.61
Subconsultant Costs (See Exhibits E)					\$188,538.08
GRAND TOTAL:					\$273,977.69

EXHIBIT E-1

**KPFF SPD - Construction Management Services
CONSULTANT FEE DETERMINATION
SUMMARY OF COST
GREEN RIVER TRAIL IMPROVEMENTS**

Classification	Total Hours	X	Rate	=	Cost
Project Manager	163.00	X	\$51.92	=	\$8,462.96
Assistant Project Manager	122.00	X	\$46.88	=	\$5,719.36
Daily Site Inspector	640.00	X	\$39.81	=	\$25,478.40
Project Coordinator	83.00	X	\$34.62	=	\$2,873.46
0.00	0.00	X	\$0.00	=	\$0.00
0.00	0.00	X	\$0.00	=	\$0.00
0.00	0.00	X	\$0.00	=	\$0.00
		X		=	\$0.00
DSC Subtotal					\$42,534.18
Overhead (OH) Cost					
OH Rate x DSC of	140.56%	X	\$42,534.18	=	\$59,786.04
Fixed Fee (FF)					
FF Rate x DSC of	30.00%	X	\$42,534.18	=	\$12,760.25
Reimbursables					
Mileage (miles)	2,000	X	\$0.625		\$0.00
Courier		X			Totals
Parking		X			\$1,250.00
Inspections (TBD)	1	LS	\$10,000.00		\$10,000.00
Subtotal					\$11,250.00
Subconsultant Total:					\$126,330.48

EXHIBIT E-1

KPG

**CONSULTANT FEE DETERMINATION
SUMMARY OF COST
GREEN RIVER TRAIL IMPROVEMENTS**

Classification	Total Hours	X	Rate	=	Cost
Senior Survey Tech	20.00	X	\$45.12	=	\$902.40
Urban Design Manager	77.00	X	\$66.02	=	\$5,083.54
Project Landscape Architect	90.00	X	\$49.85	=	\$4,486.50
Landscape Technician	104.00	X	\$33.48	=	\$3,481.92
Senior Illumination Engineer	56.00	X	\$70.35	=	\$3,939.60
Project Illumination Engineer	70.00	X	\$56.59	=	\$3,961.30
CADD Tech	22.00	X	\$45.34	=	\$997.48
Office Admin	10.00	X	\$32.24	=	\$322.40
DSC Subtotal					\$23,175.14
Overhead (OH) Cost					
OH Rate x DSC of	136.59%	X	\$23,175.14	=	\$31,654.92
Fixed Fee (FF)					
FF Rate x DSC of	30.00%	X	\$23,175.14	=	\$6,952.54
Reimbursables					
Mileage (miles)	200	X	\$0.625		\$125.00
Courier	4	X	\$75.00		\$300.00
Parking	0	X	\$20.00		\$0.00
(Blank)	0		\$0.00		\$0.00
Subtotal					\$425.00
Subconsultant Total:					\$62,207.61

EXHIBIT B-1
 Tukwila Green River Trail Improvements
 09/12/22

KPFF

	Description	Notes	Principal	Project Manager	Lead Civil Engineer	Structural Engineer	Design Engineer	CADD Manager	Project Coordinator	Total Hours	Total Direct Salary Cost	OH (1.4056)	Fee (0.3)	Total Cost per Sub Task
Task 1.0	Project Management		R Leimkuhler	L Wind	T Guebert	B Erickson	A Rempe	K Weber	S Pier					
1.01	Project Schedule		1	4						5	\$ 383.25	\$ 538.70	\$ 114.98	\$ 1,036.92
1.02	Subconsultant Agreements		1	8					8	17	\$ 948.21	\$ 1,332.80	\$ 284.46	\$ 2,565.48
1.03	Progress Reports			4	8				4	16	\$ 866.56	\$ 1,218.04	\$ 259.97	\$ 2,344.56
1.04	Invoicing		2	7					15	24	\$ 1,172.32	\$ 1,647.81	\$ 351.70	\$ 3,171.83
1.05	Team Meetings		2	12	8		4	4		30	\$ 1,859.10	\$ 2,613.15	\$ 557.73	\$ 5,029.98
Task 2.0	Basemap Creation													
2.1	Develop new basemap		1	12	4			24		41	\$ 2,388.97	\$ 3,357.94	\$ 716.69	\$ 6,463.60
										0	\$ -	\$ -	\$ -	\$ -
										0	\$ -	\$ -	\$ -	\$ -
										0	\$ -	\$ -	\$ -	\$ -
										0	\$ -	\$ -	\$ -	\$ -
										0	\$ -	\$ -	\$ -	\$ -
Task 3.0	Project Workshop													
3.01	Kickoff Meeting		2	4	2		2	4		14	\$ 841.90	\$ 1,183.37	\$ 252.57	\$ 2,277.84
3.02										0	\$ -	\$ -	\$ -	\$ -
3.03										0	\$ -	\$ -	\$ -	\$ -
Task 4.0	Environmental and Permitting Services													
4.01	Team and Agency Pre-application Meeting									0	\$ -	\$ -	\$ -	\$ -
4.02	Shoreline Permit Submittal									0	\$ -	\$ -	\$ -	\$ -
4.03										0	\$ -	\$ -	\$ -	\$ -
Task 5.0	Civil Engineering													
5.01	Site Prep and Demo			2	2		4	4		12	\$ 616.10	\$ 865.99	\$ 184.83	\$ 1,666.92
5.02	Horizontal and Vertical Control and Layout		1	8	16		4	8		37	\$ 2,102.09	\$ 2,954.70	\$ 630.63	\$ 5,687.41
5.03	Grading and Paving		1	2	4		8	8		23	\$ 1,154.17	\$ 1,622.30	\$ 346.25	\$ 3,122.72
5.04	Temporary Erosion and Sedimentation Control			1			2	4		7	\$ 352.22	\$ 495.08	\$ 105.67	\$ 952.97
5.05	Utilities			1	2			4		7	\$ 380.38	\$ 534.66	\$ 114.11	\$ 1,029.16
5.06										0	\$ -	\$ -	\$ -	\$ -
5.07	Temporary Traffic Control		1	2	4		8	2		17	\$ 860.29	\$ 1,209.22	\$ 258.09	\$ 2,327.60
										0	\$ -	\$ -	\$ -	\$ -
										0	\$ -	\$ -	\$ -	\$ -
										0	\$ -	\$ -	\$ -	\$ -
										0	\$ -	\$ -	\$ -	\$ -
										0	\$ -	\$ -	\$ -	\$ -
										0	\$ -	\$ -	\$ -	\$ -
										0	\$ -	\$ -	\$ -	\$ -
Task 6.0	Structural Engineering													
6.01	Trail Elements					4		2		6	\$ 409.96	\$ 576.24	\$ 122.99	\$ 1,109.19
6.02	Miscellaneous Structures					4		2		6	\$ 409.96	\$ 576.24	\$ 122.99	\$ 1,109.19
										0	\$ -	\$ -	\$ -	\$ -
										0	\$ -	\$ -	\$ -	\$ -

EXHIBIT B-1
 Tukwila Green River Trail Improvements
 09/12/22

KPFF

	Description	Notes	Principal	Project Manager	Lead Civil Engineer	Structural Engineer	Design Engineer	CADD Manager	Project Coordinator	Total Hours	Total Direct Salary Cost	OH (1.4056)	Fee (0.3)	Total Cost per Sub Task
										0	\$ -	\$ -	\$ -	\$ -
										0	\$ -	\$ -	\$ -	\$ -
										0	\$ -	\$ -	\$ -	\$ -
Task 7.0	Illumination, Urban Design, and Landscape													
7.01	Illumination			1						1	\$ 76.88	\$ 108.06	\$ 23.06	\$ 208.01
7.02	Trail Urban Design			1						1	\$ 76.88	\$ 108.06	\$ 23.06	\$ 208.01
7.03	Landscape and Irrigation			0						0	\$ -	\$ -	\$ -	\$ -
										0	\$ -	\$ -	\$ -	\$ -
										0	\$ -	\$ -	\$ -	\$ -
										0	\$ -	\$ -	\$ -	\$ -
										0	\$ -	\$ -	\$ -	\$ -
										0	\$ -	\$ -	\$ -	\$ -
Task 8.0	Right-of-Way Services													
8.01	Temporary Construction Easement Documentation			4						4	\$ 307.52	\$ 432.25	\$ 92.26	\$ 832.03
										0	\$ -	\$ -	\$ -	\$ -
										0	\$ -	\$ -	\$ -	\$ -
										0	\$ -	\$ -	\$ -	\$ -
Task 9.0	Cost Estimate													
9.01	Cost Estimate									0	\$ -	\$ -	\$ -	\$ -
	draft 100 percent		1	2	8	8				19	\$ 1,283.81	\$ 1,804.52	\$ 385.14	\$ 3,473.48
	Construction Working Days Duration 100 percent		1	2	8	8				11	\$ 659.81	\$ 927.43	\$ 197.94	\$ 1,785.18
	Final		1	2	8	8				19	\$ 1,283.81	\$ 1,804.52	\$ 385.14	\$ 3,473.48
				2	8	8				18	\$ 1,208.08	\$ 1,698.08	\$ 362.42	\$ 3,268.58
Task 10.0	Specifications													
10.1	Specification Preparation									0	\$ -	\$ -	\$ -	\$ -
	Contract Boilerplate			1	2					3	\$ 184.46	\$ 259.28	\$ 55.34	\$ 499.07
	Bid Proposal Form			1	2					3	\$ 184.46	\$ 259.28	\$ 55.34	\$ 499.07
	Division 10			1	4					5	\$ 292.04	\$ 410.49	\$ 87.61	\$ 790.14
	WSDOT GSP			2	8					10	\$ 584.08	\$ 820.98	\$ 175.22	\$ 1,580.29
	Special Provisions		1	4	16				4	25	\$ 1,372.61	\$ 1,929.34	\$ 411.78	\$ 3,713.73
Task 11.0	Bid Support Services													
11.01	Response to Bidder Questions			2	4					6	\$ 368.92	\$ 518.55	\$ 110.68	\$ 998.15
11.02	Addendum Preparation			4	8					12	\$ 737.84	\$ 1,037.11	\$ 221.35	\$ 1,996.30
11.03										0	\$ -	\$ -	\$ -	\$ -
11.04										0	\$ -	\$ -	\$ -	\$ -
11.05										0	\$ -	\$ -	\$ -	\$ -
11.06										0	\$ -	\$ -	\$ -	\$ -
11.07										0	\$ -	\$ -	\$ -	\$ -

EXHIBIT B-1
 Tukwila Green River Trail Improvements
 08/15/22

KPFF SPD

	Description	Notes	Project Manager	Assistant Project Manager	Daily Site Inspector	Project Coordinator		Total Hours	Total Direct Salary Cost	OH (1.4056)	Fee (0.3)
Task 1.0	Project Management										
Task 13.0	Construction Management										
13.01	Pre-Construction Services		3			3		6	\$ 259.62	\$ 364.92	\$ 77.89
13.02	Contract Administration		64	8		32		104	\$ 4,805.76	\$ 6,754.98	\$ 1,441.73
13.03	Weekly Progress Meetings		32	16		32		80	\$ 3,519.36	\$ 4,946.81	\$ 1,055.81
13.04	Submittal Review / Recommendations			42		8		50	\$ 2,245.92	\$ 3,156.87	\$ 673.78
13.05	Changed Conditions / RFI / Change Orders		32	12		8		52	\$ 2,500.96	\$ 3,515.35	\$ 750.29
13.06	Contractor Payment Applications		32	8				40	\$ 2,036.48	\$ 2,862.48	\$ 610.94
13.07	Site Construction Observation				640			640	\$ 25,478.40	\$ 35,812.44	\$ 7,643.52
13.08	Special Inspection / Testing			8				8	\$ 375.04	\$ 527.16	\$ 112.51
13.09	Substantial Completion / Final Inspection / Physical Completion			12				12	\$ 562.56	\$ 790.73	\$ 168.77
13.10	As-Built Drawings			8				8	\$ 375.04	\$ 527.16	\$ 112.51
13.11	Project Closeout Documentation / Completion Date			8				8	\$ 375.04	\$ 527.16	\$ 112.51
	Total Hours per Person		163	122	640	83	0	1008	\$ 42,534.18	\$ 59,786.04	\$ 12,760.25
	Current Hourly Rates		\$ 51.92	\$ 46.88	\$ 39.81	\$ 34.62		Sub-Totals			
	Direct Salary Cost (DSC)		\$ 8,462.96	\$ 5,719.36	\$ 25,478.40	\$ 2,873.46	\$ -	\$ 42,534.18			
	Overhead Cost (1.4056 of DSC)	140.56%	\$ 11,895.54	\$ 8,039.13	\$ 35,812.44	\$ 4,038.94	\$ -	\$ 59,786.04			
	DSC+OH		\$ 20,358.50	\$ 13,758.49	\$ 61,290.84	\$ 6,912.40	\$ -	\$ 102,320.22			
	Fee (0.3 of DSC)	30%	\$ 2,538.89	\$ 1,715.81	\$ 7,643.52	\$ 862.04	\$ -	\$ 12,760.25			
	Fully Burdened Cost		\$ 22,897.38	\$ 15,474.30	\$ 68,934.36	\$ 7,774.43	\$ -	\$ 115,080.48			
	Sub-Total Burdened Labor Cost		\$ 22,897.38	\$ 15,474.30	\$ 68,934.36	\$ 7,774.43	\$ -	\$ 115,080.48			

REIMBURSABLES

Direct Expenses (KPFF Civil Only)	Quantity	Unit	Unit Cost	Totals
Mileage	2000	Mile	\$ 0.625	\$ 1,250.00
Special Inspections & Testing by Subconsultant (TBD)	1	Allowance	\$ 10,000.00	\$ 10,000.00
				\$ -
				\$ -
Sub-Total Direct Expenses				\$ 11,250.00
KPFF SPD Total Project Costs				\$ 126,330.48

Total Cost per Sub Task
\$ 702.43
\$ 13,002.46
\$ 9,521.98
\$ 6,076.56
\$ 6,766.60
\$ 5,509.90
\$ 68,934.36
\$ 1,014.71
\$ 1,522.06
\$ 1,014.71
\$ 1,014.71
\$ 115,080.48

EXHIBIT B-1
 Tukwila Green River Trail Improvements
 08/12/22

KPG

	Description	Notes	Senior Survey Tech	Urban Design Manager	Project Landscape Architect	Landscape Technician	Senior Illumination Engineer	Project Illumination Engineer	CADD Tech	Office Admin	Total Hours	Total Direct Salary Cost	OH (1.3659)	Fee (0.3)	Total Cost per Sub Task
Task 1.0	Project Management														
1.01	Project Schedule										0	\$ -	\$ -	\$ -	\$ -
1.02	Subconsultant Agreements			2						2	4	\$ 196.52	\$ 268.43	\$ 58.96	\$ 523.90
1.03	Progress Reports			3							3	\$ 198.06	\$ 270.53	\$ 59.42	\$ 528.01
1.04	Invoicing			8						8	16	\$ 786.08	\$ 1,073.71	\$ 235.82	\$ 2,095.61
1.05	Team Meetings			6	8	6	6	6			32	\$ 1,757.44	\$ 2,400.49	\$ 527.23	\$ 4,685.16
Task 2.0	Basemap Creation														
2.1	Develop new basemap										0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
Task 3.0	Project Workshop														
3.01	Kickoff Meeting			2	2		2	2			8	\$ 485.62	\$ 663.31	\$ 145.69	\$ 1,294.61
3.02											0	\$ -	\$ -	\$ -	\$ -
3.03											0	\$ -	\$ -	\$ -	\$ -
Task 4.0	Environmental and Permitting Services														
4.01	Team and Agency Pre-application Meeting										0	\$ -	\$ -	\$ -	\$ -
4.02	Shoreline Permit Submittal										0	\$ -	\$ -	\$ -	\$ -
4.03											0	\$ -	\$ -	\$ -	\$ -
Task 5.0	Civil Engineering														
5.01	Site Prep and Demo										0	\$ -	\$ -	\$ -	\$ -
5.02	Horizontal and Vertical Control and Layout										0	\$ -	\$ -	\$ -	\$ -
5.03	Grading and Paving										0	\$ -	\$ -	\$ -	\$ -
5.04	Temporary Erosion and Sedimentation Control										0	\$ -	\$ -	\$ -	\$ -
5.05	Utilities										0	\$ -	\$ -	\$ -	\$ -
5.06	Channelization and Signing										0	\$ -	\$ -	\$ -	\$ -
5.07	Temporary Traffic Control										0	\$ -	\$ -	\$ -	\$ -
5.08	Land Use										0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
Task 6.0	Structural Engineering														
6.01	Trail Elements										0	\$ -	\$ -	\$ -	\$ -
6.02	Miscellaneous Structures										0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -

EXHIBIT B-1
 Tukwila Green River Trail Improvements
 08/12/22

KPG

	Description	Notes	Senior Survey Tech	Urban Design Manager	Project Landscape Architect	Landscape Technician	Senior Illumination Engineer	Project Illumination Engineer	CADD Tech	Office Admin	Total Hours	Total Direct Salary Cost	OH (1.3659)	Fee (0.3)	Total Cost per Sub Task
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
Task 7.0	Illumination, Urban Design, and Landscape														
7.01	Illumination						28	36	6		70	\$ 4,279.08	\$ 5,844.80	\$ 1,283.72	\$ 11,407.60
7.02	Trail Urban Design			20	24	40			6		90	\$ 4,128.04	\$ 5,638.49	\$ 1,238.41	\$ 11,004.94
7.03	Landscape and Irrigation			20	24	40			6		90	\$ 4,128.04	\$ 5,638.49	\$ 1,238.41	\$ 11,004.94
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
Task 8.0	Right-of-Way Services														
8.01	Temporary Construction Easement Documentation		20								20	\$ 902.40	\$ 1,232.59	\$ 270.72	\$ 2,405.71
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
Task 9.0	Cost Estimate														
9.01	Cost Estimate										0	\$ -	\$ -	\$ -	\$ -
	draft 100 percent			2	4	4	2	4			16	\$ 832.42	\$ 1,137.00	\$ 249.73	\$ 2,219.15
	Construction Working Days										0	\$ -	\$ -	\$ -	\$ -
	100 percent				2	4		4			10	\$ 459.98	\$ 628.29	\$ 137.99	\$ 1,226.26
	Final			2	2	2	2	2			10	\$ 552.58	\$ 754.77	\$ 165.77	\$ 1,473.12
Task 10.0	Specifications														
10.1	Specification Preparation										0	\$ -	\$ -	\$ -	\$ -
	Contract Boilerplate										0	\$ -	\$ -	\$ -	\$ -
	Bid Proposal Form										0	\$ -	\$ -	\$ -	\$ -
	Division 10										0	\$ -	\$ -	\$ -	\$ -
	WSDOT GSP										0	\$ -	\$ -	\$ -	\$ -
	Special Provisions			8	16		16	12			52	\$ 3,130.44	\$ 4,275.87	\$ 939.13	\$ 8,345.44
Task 11.0	Bid Support Services														
11.01	Response to Bidder Questions			2	4			2			8	\$ 444.62	\$ 607.31	\$ 133.39	\$ 1,185.31
11.02	Addendum Preparation			2	4	8		2	4		20	\$ 893.82	\$ 1,220.87	\$ 268.15	\$ 2,382.83
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
											0	\$ -	\$ -	\$ -	\$ -
Task 12.0	Construction Support Services														
12.01	Construction Meetings										0	\$ -	\$ -	\$ -	\$ -



INFORMATIONAL MEMORANDUM

TO: **Transportation and Infrastructure Services Committee**
 FROM: **Hari Ponnekanti, Public Works Director/ City Engineer**
 BY: **Mike Perfetti, Surface Water Sr. Program Manager**
 CC: **Mayor Allan Ekberg**
 DATE: **September 16, 2022**
 SUBJECT: **Surface Water Fund – Chinook Wind Public Access Project**
Project Number 91441202
Contract 21-163 Amendment No. 2

ISSUE

Approve Amendment No. 2 to Contract No. 21-163 with J.A. Brennan Associates, PLLC for design and construction support services for the Chinook Wind Public Access Project.

BACKGROUND

In November 2021, the City entered into a consultant agreement with J.A. Brennan Associates for design services for the Chinook Wind Public Access Project. This project will create a trail system, including a trail head, park furnishings, signage and native landscape plantings within a 20’-wide trail easement skirting King County’s Chinook Wind Mitigation Project site. This trail will provide public access for park users to enjoy the shoreline and newly created habitat restoration site.

ANALYSIS

J.A. Brennan is working towards the final design submittal, which will be delivered later in 2022, pending permit acquisition. Construction timing is being coordinated with King County’s construction schedule and the State Recreation and Conservation Office (RCO), who is providing funding to this project. This amendment provides compensation for minor scope changes to the design of the parking lot and drainage system and professional construction support services such as contractor coordination, documentation review and record drawings.

FISCAL IMPACT

The original contract was approved by Council for \$63,373.10 and amendment no. 1 was a no cost, time supplement only. J.A. Brennan provided a cost estimate of \$58,933.00 for amendment no. 2. The design and construction management budgets in the Chinook Wind Public Access project CIP are sufficient to cover the costs of the contract amendment. All CIP funds for this project will come from Surface Water enterprise funds.

	<u>Cost Estimate</u>	<u>Fund Source</u>	<u>Project Budget</u>
Original Contract	\$63,373.10	CIP Design	\$109,000.00
Amendment No. 1	0.00	CIP CM	<u>79,000.00</u>
Amendment No. 2	<u>58,933.00</u>		
Total	\$122,306.10		\$188,000.00

RECOMMENDATION

Council is being asked to approve a contract amendment with J.A. Brennan Associates, LLC in the amount of \$58,933.00 and consider this item on the Consent Agenda at the October 3, 2022 Regular Council Meeting.

Attachments: 2021 CIP page 91
J.A. Brennan Associates Supplemental Agreement No. 2

CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2021 to 2026

PROJECT: Chinook Wind

Project No. 91441202

DESCRIPTION: King County purchased site and will restore it as a salmon estuary and passive park in partnership with the City. City CIP project is to develop public access and maintenance trail as project is slated to be turned over to the City in the future. Plan is to connect trail through PW shops to Duwamish Gardens.

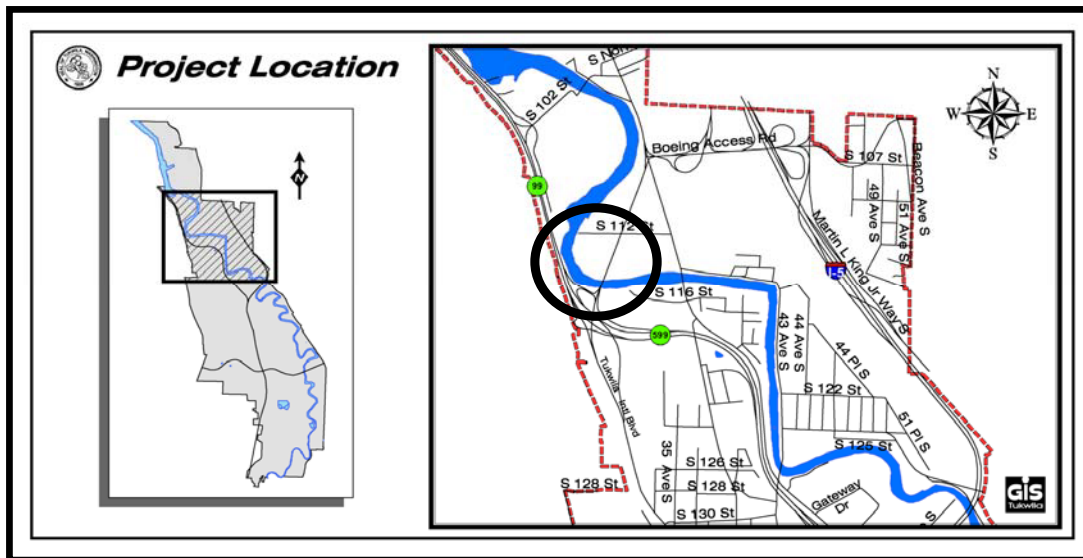
JUSTIFICATION: The WRIA 9 Salmon Recovery Plan recommends creating 20-acres of off-channel habitat within the Duwamish Transition Zone and lists this section of the river as critical habitat for salmon recovery within the Green/Duwamish Watershed.

STATUS: King County construction slated to begin in 2021. City construction will be a separate contract, to start in 2022.

MAINT. IMPACT: Passive park will require additional maintenance.

COMMENT: Grant funding for County project is from the KC fee in-lieu mitigation program and KCD. City CIP has 50% RCO ALEA funding.

FINANCIAL (in \$000's)	Through 2019	Estimated 2020	2021	2022	2023	2024	2025	2026	BEYOND	TOTAL
EXPENSES										
Design	21	44	44							109
Land (R/W)	52	10								62
Monitoring		15	15	15						45
Const. Mgmt.				79						79
Construction	1			263						264
TOTAL EXPENSES	74	69	59	357	0	0	0	0	0	559
FUND SOURCES										
Awarded Grant RCO		20	20	117						157
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
City Oper. Revenue	74	49	39	240	0	0	0	0	0	402
TOTAL SOURCES	74	69	59	357	0	0	0	0	0	559





City of Tukwila

6200 Southcenter Boulevard, Tukwila WA 98188

Agreement Number: 21-163

CONTRACT FOR SERVICES

Amendment # 2

Between the City of Tukwila and J.A. Brennan Associates

That portion of Contract No. 21-163 between the City of Tukwila and J.A. Brennan Associates, PLLC is hereby amended as follows:

Section 3: Duration of Agreement; Time for Performance. This Agreement shall be in full force and effect for a period commencing upon execution and ending **September 30, 2023** unless sooner terminated under the provisions hereinafter specified. Work under this Agreement shall commence upon written notice by the City to the Consultant to proceed. The Consultant shall perform all services and provide all work product required pursuant to this Agreement no later than **September 30, 2023** unless an extension of such time is granted in writing by the City.

Section 4: Payment. The Consultant shall be paid by the City for completed work and for services rendered under this Agreement as follows:

Payment for the work provided by the Consultant shall be made as provided on Exhibit "B" attached hereto, provided that the total amount of payment to the Consultant shall not exceed **\$58,933.00** without express written modification to the Agreement signed by the City. The maximum amount payable under this contract as amended inclusive of all fees and other costs shall not exceed **\$122,306.10** without express written modifications of the Agreement signed by the City.

A.

All other provisions of the contract shall remain in full force and effect.

Dated this 14th day of September, 2022.

CITY OF TUKWILA

CONTRACTOR

J.A. Brennan Associates, PLLC

Allan Ekberg, Mayor

[Signature]
Printed Name: Drew Coombs



City of Tukwila

6200 Southcenter Boulevard, Tukwila WA 98188

Agreement Number: 21-163

ATTEST/AUTHENTICATED

APPROVED AS TO FORM

Christy O'Flaherty, MMC, City Clerk

Office of the City Attorney

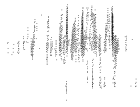


EXHIBIT A

Client: City of Tukwila

Project: Chinook Wind Public Access

J.A. BRENNAN ASSOCIATES, PLLC

September 14, 2022

Extra Services #2 - Additional design: Parking area Path and drainage re-design, NE Corner-City of Tukwila Facilities outlet and Construction Phase

Support

TASK ITEM Rate	DESCRIPTION	JB PM \$195.00	TW PLA \$168.00	DC LA \$158.00	SMS LAII \$103.00	CM Designer \$103.00	SY Admin \$115.00	Total JAB Hours	Total Labor	Total Expenses	Total J.A. Brennan Labor/Exp	Total J.A. Brennan w/ Markup	Total DCG Civil	Total Subconsultant	Markup	Grand Total
A Administration / Coordination																
1	Accounting/ admin. / invoicing	1		2			2	5	741.00	20.00	761.00	761.00				761.00
2	Client/ Design team coordination			2				2	316.00	20.00	336.00	336.00				336.00
	Total	1	0	4	0	0	2	7	1,057.00	40	1,097.00	1,097.00	0	0	0	1,097.00
B Construction Documents 60%, 90% 100% Plans, Spec. and Estimate (Additional out of scope items)																
1	Meetings (up to 3 additional progress meetings and 2 meetings with King County)			5	5			10	1,305.00	20.00	1,325.00	1,325.00		0.00	0.00	1,325.00
2	Site - design elements - Infiltration gallery - grading and detail	1		2	6			9	1,129.00	20.00	1,149.00	1,149.00		0.00	0.00	1,149.00
3	Parking - design options exceeded scope			4	10			14	1,662.00	20.00	1,682.00	1,762.00	800.00	800.00	80.00	2,562.00
4	Stormwater configuration- iterations to resolve where pipe outfall from parking area will occur			3	8			11	1,298.00	20.00	1,318.00	1,418.00	1,000.00	1,000.00	100.00	2,418.00
5	Cost estimate value engineering	1		6	8			15	1,967.00	20.00	1,987.00	2,047.00	600.00	600.00	60.00	2,647.00
	Total	2	0	20	37	0	0	59	7,361.00	100.00	7,461.00	7,701.00	2,400.00	2,400.00	240.00	10,101.00
C Construction Documents 60%, 90% 100% Plans, Spec. and Estimate (Redesign - Drainage, grading and Path - parking area)																
1	Redesign - Meetings to confirm approach (up to 2)	1		3	3			7	978.00	20.00	998.00	1,083.00	850.00	850.00	85.00	1,933.00
2	Re-design - Adjust Path alignment to ensure it lies outside of stormwater portion of easement (update layout and grading)	1		6	12			19	2,379.00	20.00	2,399.00	2,549.00	1,500.00	1,500.00	150.00	4,049.00
3	Redesign - Reconfigure stormwater to tight line to existing structure (update drainage, and parking layout and paving)	1		4	6			11	1,445.00	20.00	1,465.00	1,696.00	2,310.00	2,310.00	231.00	4,006.00
4	Redesign - Update TIR			2	1			3	419.00	20.00	439.00	659.00	2,200.00	2,200.00	220.00	2,859.00
5	Redesign -Update site section through parking area	1		1	4			6	765.00	20.00	785.00	785.00		0.00	0.00	785.00
6	Redesign -Update Cost estimate	1		6	4			11	1,555.00	20.00	1,575.00	1,675.00	1,000.00	1,000.00	100.00	2,675.00
7	Redesign -Update Permit Set	1		4	8			13	1,651.00	20.00	1,671.00	1,671.00		0.00	0.00	1,671.00
	Total	6	0	26	38	0	0	70	9,192.00	140.00	9,332.00	10,118.00	7,860.00	7,860.00	786.00	17,978.00
D Construction Documents 60%, 90% 100% Plans, Spec. and Estimate (StormWaterDesign_NE Corner_City of Tukwila Facilities outlet)																
1	Stormwater additional analysis and update to TIR to accommodate off site influence			1				1	158.00	20.00	178.00	238.00	600.00	600.00	60.00	838.00
2	Stormwater Additional Design Sheets (up to two Sheets)			1	2			3	364.00	20.00	384.00	824.00	4,400.00	4,400.00	440.00	5,224.00
3	Adjust landscape sheets affected by stomwater change (layout, planting, irrigation, 1 detail sheet)			1	4			5	570.00	20.00	590.00	590.00		0.00	0.00	590.00
	Total	0	0	3	6	0	0	9	1,092.00	60.00	1,152.00	1,652.00	5,000.00	5,000.00	500.00	6,652.00
E Construction Support																
1	Pre-construction conference			2	2			4	522.00	20.00	542.00	594.00	520.00	520.00	52.00	1,114.00
2	Submittal Review and response (landscape, civil, irrigation, site furniture, and hardscape items up to 6)	2		4	8			14	1,846.00	20.00	1,866.00	1,956.00	900.00	900.00	90.00	2,856.00
3	Attend (6) Site Visit Progress meeting - and prepare progress report memo (3hrs each visit - include memo)	2		9	13			24	3,151.00	160.00	3,311.00	3,436.00	1,250.00	1,250.00	125.00	4,686.00
4	Design Change During Construction (coordination and including drawing modification as needed up to 2 change orders)	1		4	8			13	1,651.00	20.00	1,671.00	1,856.00	1,850.00	1,850.00	185.00	3,706.00
5	RFI Submittal review and Response (up to 4)	1		6	8			15	1,967.00	20.00	1,987.00	2,052.00	650.00	650.00	65.00	2,702.00
6	Punch list site walk and review - support with punch list document preparation	2		4	4			10	1,434.00	20.00	1,454.00	1,522.00	680.00	680.00	68.00	2,202.00
7	Record Drawings	2		6	12			20	2,574.00	20.00	2,594.00	2,889.00	2,950.00	2,950.00	295.00	5,839.00
	Total	10	0	35	55	0	0	100	13,145.00	280.00	13,425.00	14,305.00	8,800.00	8,800.00	880.00	23,105.00
Total		19	0	88	136	0	2	245	31,847.00	620.00	32,467.00	34,873.00	24,060.00	24,060.00	1,906.00	58,933.00



INFORMATIONAL MEMORANDUM

TO: **Transportation and Infrastructure Committee**
 FROM: **Hari Ponnekanti, Public Works Director/ City Engineer**
 BY: **Sherry Edquid, Project Manager**
 CC: **Mayor Allan Ekberg**
 DATE: **September 16, 2022**
 SUBJECT: **2022 GIS Utility Inventory**
Project No. 80241201, 80540202, 81640104
Design Consultant Selection and Agreement

ISSUE

Approve a contract with David Evans and Associates (DEA), Inc. to provide geographic information system (GIS) asset inventory services.

BACKGROUND

The GIS mapping inventory establishes city wide as-built records for the public water, sewer and stormwater assets such as pipes, catch basins, pump stations, hydrants, and valves. City maintenance and operations staff utilize GIS mapping to locate utilities for maintenance and needed repairs. Design staff utilize this information when designing utility projects or other right-of-way projects in the vicinity of these assets. This information is often the subject of public records requests. Assets need to be updated regularly as new public and private projects that affect public systems occur. Additionally, there is a backlog of existing assets that need to be cataloged into the GIS inventory, as the last inventory took place from 2017 to 2018.

ANALYSIS

Public Works staff issued a Request for Proposal (RFP) to six firms with project familiarity in May. Two firms submitted proposals. The proposals were scored according to predefined criteria by a selection committee in late June. DEA was the highest-ranking firm among the committee members and Staff worked with DEA in July and August to negotiate a contract. DEA previously completed the GIS Utility Inventory for the City in 2017 and 2018. Staff continues to be very satisfied with their work.

FISCAL IMPACT

The City’s CIP allocates funding on an annual basis for water and sewer asset inventory and approximately every other year for surface water asset inventory. All three enterprise funding sources will be utilized for this contract. DEA has provided a cost estimate not to exceed \$199,970.00 to preform GIS services. GIS Services will be paid for with enterprise funds from Water, Surface Water, and Sewer GIS Inventory CIP budgets.

<u>GIS Inventory</u>	<u>Cost Estimate</u>	<u>2022-2023 Budget</u>
Water System	\$66,656.00	\$150,000.00
Surface Water System	66,656.00	100,000.00
Sewer System	<u>66,658.00</u>	<u>70,000.00</u>
Total	\$199,970.00	\$320,000.00

RECOMMENDATION

Council is being asked to approve a consultant agreement with DEA in the amount of \$199,970 for the 2022 GIS Utility Inventory and consider this item on the Consent Agenda at the October 3, 2022 Regular Meeting.

ATTACHMENTS: 2021 CIP Pages 61,69, & 92
GIS Inventory Contract

CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2021 to 2026

PROJECT: GIS Inventory of Water System

Project No. 81640104

DESCRIPTION: The GIS (Geographic Information System) will provide current as-built data for the Tukwila water system. The database will include fire hydrants, valve locations, approximate water line locations, date of installation, and material type.

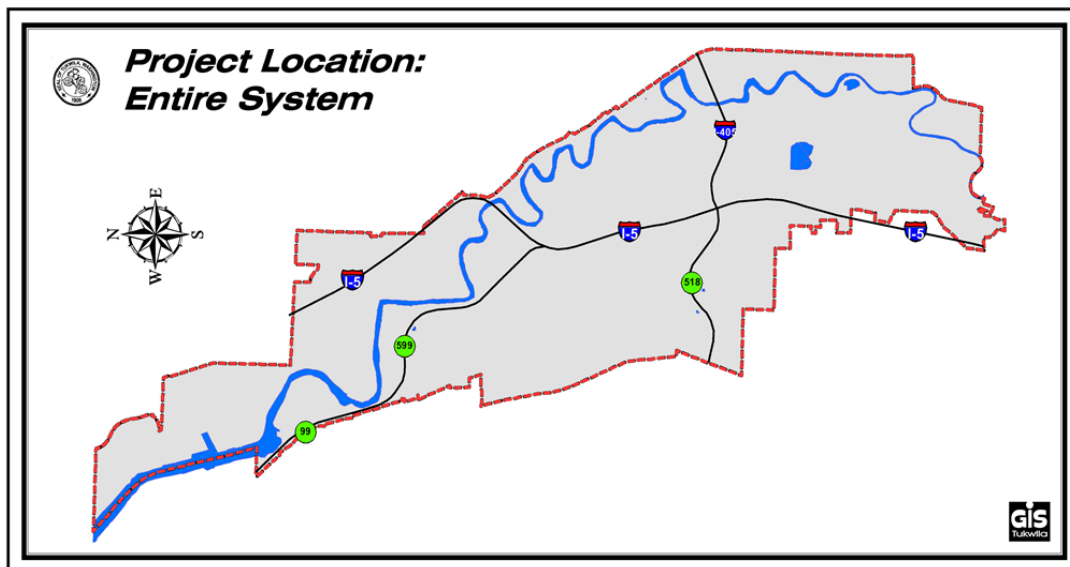
JUSTIFICATION: The GIS mapping will provide information on the water system that is easily accessible by City staff and the public. With GIS data, the City will be able to develop an asset management plan to determine the water assets needed to be upgraded or replaced.

STATUS: Combined Asset Management System began in 2017. Ongoing project.

MAINT. IMPACT: The survey will provide staff with-up-date information on the location of water line features.

COMMENT:

FINANCIAL (in \$000's)	Through Estimated									TOTAL
	2019	2020	2021	2022	2023	2024	2025	2026	BEYOND	
EXPENSES										
Design	205		50	100	50	100	50	100	300	955
Land (R/W)										0
Const. Mgmt.							5		5	10
Construction							50		50	100
TOTAL EXPENSES	205	0	50	100	50	100	105	100	355	1,065
FUND SOURCES										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	205	0	50	100	50	100	105	100	355	1,065
TOTAL SOURCES	205	0	50	100	50	100	105	100	355	1,065



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2021 to 2026

PROJECT: GIS Inventory of Sewer System

Project No. 80540202

DESCRIPTION: GIS (Geographic Information Systems) provides current as-built data for the sanitary sewer system in the Central Business District. This project will expand the as-built database for Tukwila's entire sewer system.

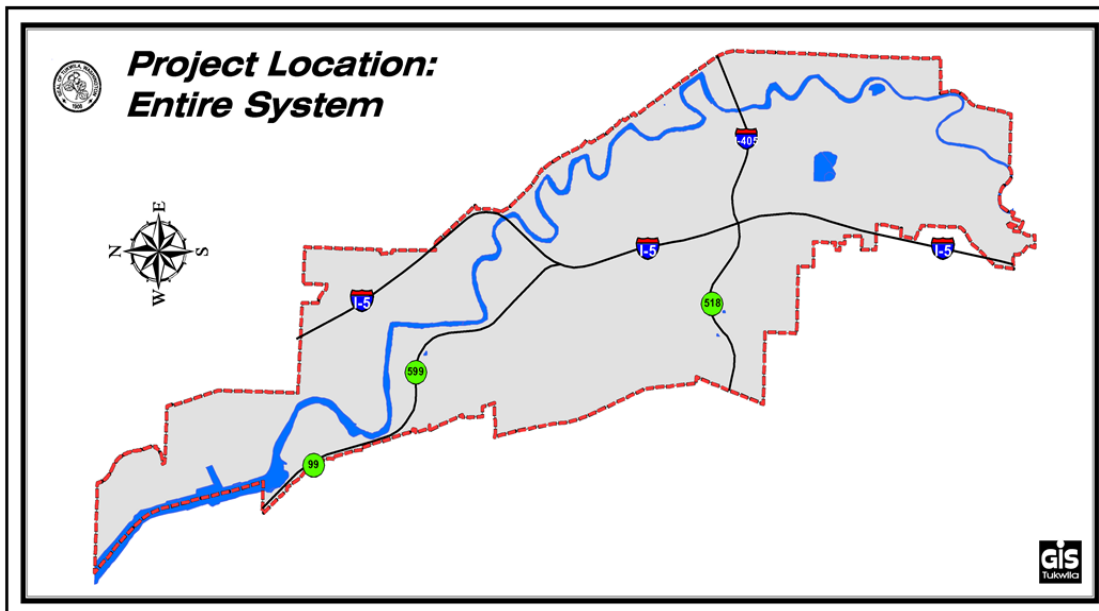
JUSTIFICATION: GIS mapping of the sewers will provide information that is easily addressable by City staff and the public. With the GIS data, the City will be able to develop an asset management plan to determine the sewer assets that need to be upgraded or replaced.

STATUS: The GIS Inventory will be continually updated, mostly in-house, to improve the accuracy of the existing system.

MAINT. IMPACT: The survey will provide staff with up-to-date information on the location of manholes for the sanitary sewers.

COMMENT: Ongoing project.

FINANCIAL (in \$000's)	Through Estimated									TOTAL
	2019	2020	2021	2022	2023	2024	2025	2026	BEYOND	
EXPENSES										
Design	248	75	10	50	20	50	100	50	400	1,003
Land (R/W)										0
Const. Mgmt.										0
Construction										0
TOTAL EXPENSES	248	75	10	50	20	50	100	50	400	1,003
FUND SOURCES										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	248	75	10	50	20	50	100	50	400	1,003
TOTAL SOURCES	248	75	10	50	20	50	100	50	400	1,003



CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2021 to 2026

PROJECT: Surface Water GIS Inventory

Project No. 90241201
80241201

DESCRIPTION: The GIS (Geographic Information Systems) inventory establishes citywide as-built drawings for the public drainage systems. This is an ongoing project as all CIP and development infrastructure improvements will need to be mapped.

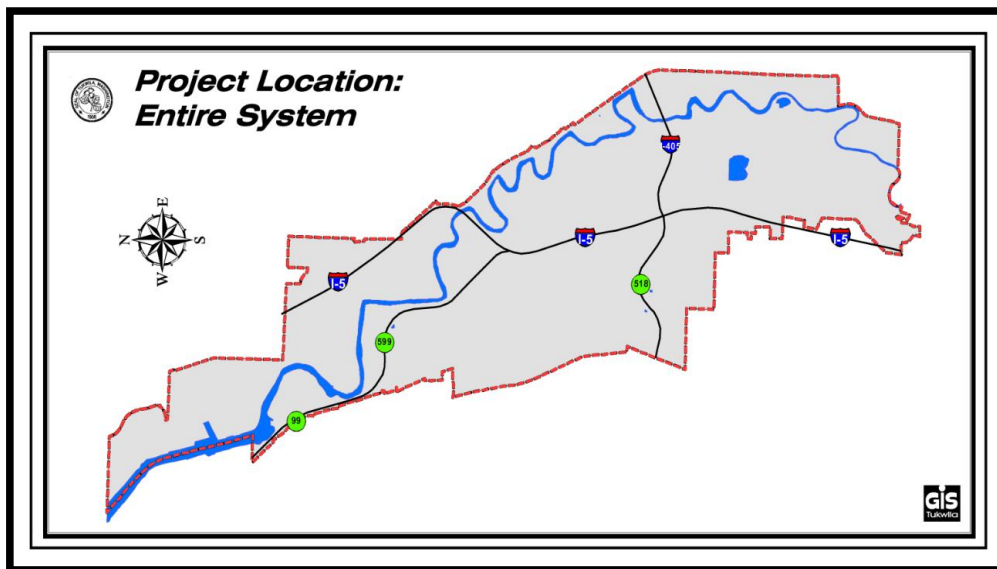
JUSTIFICATION: State NPDES requirements include provisions for permitted jurisdictions to compile accurate drainage system maps for all outfalls 24" or greater.

STATUS: GIS mapping was completed citywide in 2013. Future contracts will keep maps up to date as projects change the existing system. Combined Asset Management System scheduled for 2017.

MAINT. IMPACT: GIS information will allow maintenance to better track storm facility maintenance needs.

COMMENT: National Pollution Discharge Elimination System (NPDES). Department of Ecology grants for NPDES permit.

FINANCIAL (in \$000's)	Through Estimated									TOTAL
	2019	2020	2021	2022	2023	2024	2025	2026	BEYOND	
EXPENSES										
Design	1,673	100		100		150				2,023
Land (R/W)										0
Const. Mgmt.										0
Construction										0
TOTAL EXPENSES	1,673	100	0	100	0	150	0	0	0	2,023
FUND SOURCES										
Awarded Grant	218									218
Proposed Grant										0
Mitigation Actual	100									100
Mitigation Expected										0
Utility Revenue	1,355	100	0	100	0	150	0	0	0	1,705
TOTAL SOURCES	1,673	100	0	100	0	150	0	0	0	2,023





PROFESSIONAL SERVICES AGREEMENT

(Includes consultants, architects, engineers, accountants, and other professional services)

THIS AGREEMENT is entered into between the City of Tukwila, Washington, hereinafter referred to as "the City", and David Evans and Associates Inc., hereinafter referred to as "the Consultant", in consideration of the mutual benefits, terms, and conditions hereinafter specified.

1. **Project Designation.** The Consultant is retained by the City to perform professional services in connection with the project titled Sanitary Sewer, Stormwater and Water Distribution GIS Inventory and Update.
2. **Scope of Services.** The Consultant agrees to perform the services, identified on Exhibit "A" attached hereto, including the provision of all labor, materials, equipment and supplies.
3. **Duration of Agreement; Time for Performance.** This Agreement shall be in full force and effect for a period commencing upon execution and ending December 31, 2023, unless sooner terminated under the provisions hereinafter specified. Work under this Agreement shall commence upon written notice by the City to the Consultant to proceed. The Consultant shall perform all services and provide all work product required pursuant to this Agreement no later than December 31, 2023 unless an extension of such time is granted in writing by the City.
4. **Payment.** The Consultant shall be paid by the City for completed work and for services rendered under this Agreement as follows:
 - A. Payment for the work provided by the Consultant shall be made as provided on Exhibit "B" attached hereto, provided that the total amount of payment to the Consultant shall not exceed \$199,970 without express written modification of the Agreement signed by the City.
 - B. The Consultant may submit vouchers to the City once per month during the progress of the work for partial payment for that portion of the project completed to date. Such vouchers will be checked by the City and, upon approval thereof, payment shall be made to the Consultant in the amount approved.
 - C. Final payment of any balance due the Consultant of the total contract price earned will be made promptly upon its ascertainment and verification by the City after the completion of the work under this Agreement and its acceptance by the City.
 - D. Payment as provided in this section shall be full compensation for work performed, services rendered, and for all materials, supplies, equipment and incidentals necessary to complete the work.
 - E. The Consultant's records and accounts pertaining to this Agreement are to be kept available for inspection by representatives of the City and the state of Washington for a period of three (3) years after final payments. Copies shall be made available upon request.

5. **Ownership and Use of Documents.** All documents, drawings, specifications and other materials produced by the Consultant in connection with the services rendered under this Agreement shall be the property of the City whether the project for which they are made is executed or not. The Consultant shall be permitted to retain copies, including reproducible copies, of drawings and specifications for information, reference and use in connection with the Consultant's endeavors. The Consultant shall not be responsible for any use of the said documents, drawings, specifications or other materials by the City on any project other than the project specified in this Agreement.
6. **Compliance with Laws.** The Consultant shall, in performing the services contemplated by this Agreement, faithfully observe and comply with all federal, state, and local laws, ordinances and regulations, applicable to the services rendered under this Agreement.
7. **Indemnification.** The Consultant shall defend, indemnify and hold the City, its officers, officials, employees and volunteers harmless from any and all claims, injuries, damages, losses or suits including attorney fees, arising out of or resulting from the acts, errors or omissions of the Consultant in performance of this Agreement, except for injuries and damages caused by the sole negligence of the City.

Should a court of competent jurisdiction determine that this Agreement is subject to RCW 4.24.115, then, in the event of liability for damages arising out of bodily injury to persons or damages to property caused by or resulting from the concurrent negligence of the Consultant and the City, its officers, officials, employees, and volunteers, the Consultant's liability hereunder shall be only to the extent of the Consultant's negligence. It is further specifically and expressly understood that the indemnification provided herein constitutes the Consultant's waiver of immunity under Industrial Insurance, Title 51 RCW, solely for the purposes of this indemnification. This waiver has been mutually negotiated by the parties. The provisions of this section shall survive the expiration or termination of this Agreement.

8. **Insurance.** The Consultant shall procure and maintain for the duration of the Agreement, insurance against claims for injuries to persons or damage to property which may arise from or in connection with the performance of the work hereunder by the Consultant, its agents, representatives, or employees. Consultant's maintenance of insurance as required by the agreement shall not be construed to limit the liability of the Consultant to the coverage provided by such insurance, or otherwise limit the City's recourse to any remedy available at law or in equity.

A. **Minimum Amounts and Scope of Insurance.** Consultant shall obtain insurance of the types and with the limits described below:

1. **Automobile Liability** insurance with a minimum combined single limit for bodily injury and property damage of \$1,000,000 per accident. Automobile Liability insurance shall cover all owned, non-owned, hired and leased vehicles. Coverage shall be written on Insurance Services Office (ISO) form CA 00 01 or a substitute form providing equivalent liability coverage. If necessary, the policy shall be endorsed to provide contractual liability coverage.
2. **Commercial General Liability** insurance with limits no less than \$2,000,000 each occurrence, \$2,000,000 general aggregate. Commercial General Liability insurance shall be at least as broad as ISO occurrence form CG 00 01 and shall cover liability arising from premises, operations, stop-gap independent contractors and personal injury and advertising injury. The City shall be named as an additional insured under the Consultant's Commercial General Liability insurance policy with respect to the work performed for the City using an additional insured endorsement at least as broad as ISO endorsement form CG 20 26.
3. **Workers' Compensation** coverage as required by the Industrial Insurance laws of the State of Washington.

4. **Professional Liability** with limits no less than \$2,000,000 per claim and \$2,000,000 policy aggregate limit. Professional Liability insurance shall be appropriate to the Consultant's profession.
- B. **Public Entity Full Availability of Contractor Limits.** If the Contractor maintains higher insurance limits than the minimums shown above, the Public Entity shall be insured for the full available limits of Commercial General and Excess or Umbrella liability maintained by the Contractor, irrespective of whether such limits maintained by the Contractor are greater than those required by this Contract or whether any certificate of insurance furnished to the Public Entity evidences limits of liability lower than those maintained by the Contractor.
- C. **Other Insurance Provision.** The Consultant's Automobile Liability and Commercial General Liability insurance policies are to contain, or be endorsed to contain that they shall be primary insurance with respect to the City. Any Insurance, self-insurance, or insurance pool coverage maintained by the City shall be excess of the Consultant's insurance and shall not be contributed or combined with it.
- D. **Acceptability of Insurers.** Insurance is to be placed with insurers with a current A.M. Best rating of not less than A:VII.
- E. **Verification of Coverage.** Consultant shall furnish the City with original certificates and a copy of the amendatory endorsements, including but not necessarily limited to the additional insured endorsement, evidencing the insurance requirements of the Contractor before commencement of the work. Upon request by the City, the Consultant shall furnish certified copies of all required insurance policies, including endorsements, required in this Agreement and evidence of all subcontractors' coverage.
- F. **Notice of Cancellation.** The Consultant shall provide the City with written notice of any policy cancellation, within two business days of their receipt of such notice.
- G. **Failure to Maintain Insurance.** Failure on the part of the Consultant to maintain the insurance as required shall constitute a material breach of contract, upon which the City may, after giving five business days notice to the Consultant to correct the breach, immediately terminate the contract or, at its discretion, procure or renew such insurance and pay any and all premiums in connection therewith, with any sums so expended to be repaid to the City on demand, or at the sole discretion of the City, offset against funds due the Consultant from the City.
9. **Independent Contractor.** The Consultant and the City agree that the Consultant is an independent contractor with respect to the services provided pursuant to this Agreement. Nothing in this Agreement shall be considered to create the relationship of employer and employee between the parties hereto. Neither the Consultant nor any employee of the Consultant shall be entitled to any benefits accorded City employees by virtue of the services provided under this Agreement. The City shall not be responsible for withholding or otherwise deducting federal income tax or social security or for contributing to the state industrial insurance program, otherwise assuming the duties of an employer with respect to the Consultant, or any employee of the Consultant.
10. **Covenant Against Contingent Fees.** The Consultant warrants that he has not employed or retained any company or person, other than a bonafide employee working solely for the Consultant, to solicit or secure this contract, and that he has not paid or agreed to pay any company or person, other than a bonafide employee working solely for the Consultant, any fee, commission, percentage, brokerage fee, gifts, or any other consideration contingent upon or resulting from the award or making of this contract. For breach or violation of this warrant, the City shall have the right to annul this contract without liability, or in its discretion to deduct from the contract price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift, or contingent fee.

11. **Discrimination Prohibited.** Contractor, with regard to the work performed by it under this Agreement, will not discriminate on the grounds of race, religion, creed, color, national origin, age, veteran status, sex, sexual orientation, gender identity, marital status, political affiliation, the presence of any disability, or any other protected class status under state or federal law, in the selection and retention of employees or procurement of materials or supplies.
12. **Assignment.** The Consultant shall not sublet or assign any of the services covered by this Agreement without the express written consent of the City.
13. **Non-Waiver.** Waiver by the City of any provision of this Agreement or any time limitation provided for in this Agreement shall not constitute a waiver of any other provision.
14. **Termination.**
- A. The City reserves the right to terminate this Agreement at any time by giving ten (10) days written notice to the Consultant.
- B. In the event of the death of a member, partner or officer of the Consultant, or any of its supervisory personnel assigned to the project, the surviving members of the Consultant hereby agree to complete the work under the terms of this Agreement, if requested to do so by the City. This section shall not be a bar to renegotiations of this Agreement between surviving members of the Consultant and the City, if the City so chooses.
15. **Applicable Law; Venue; Attorney's Fees.** This Agreement shall be subject to, and the Consultant shall at all times comply with, all applicable federal, state and local laws, regulations, and rules, including the provisions of the City of Tukwila Municipal Code and ordinances of the City of Tukwila. In the event any suit, arbitration, or other proceeding is instituted to enforce any term of this Agreement, the parties specifically understand and agree that venue shall be properly laid in King County, Washington. The prevailing party in any such action shall be entitled to its attorney's fees and costs of suit. Venue for any action arising from or related to this Agreement shall be exclusively in King County Superior Court.
16. **Severability and Survival.** If any term, condition or provision of this Agreement is declared void or unenforceable or limited in its application or effect, such event shall not affect any other provisions hereof and all other provisions shall remain fully enforceable. The provisions of this Agreement, which by their sense and context are reasonably intended to survive the completion, expiration or cancellation of this Agreement, shall survive termination of this Agreement.
17. **Notices.** Notices to the City of Tukwila shall be sent to the following address:
- City Clerk
City of Tukwila
6200 Southcenter Boulevard
Tukwila, WA 98188
- Notices to Consultant shall be sent to the following address:
- Adam LaPlant

14432 SE Eastgate Way, Suite 400

Bellevue, WA 98007
18. **Entire Agreement; Modification.** This Agreement, together with attachments or addenda, represents the entire and integrated Agreement between the City and the Consultant and supersedes all prior negotiations, representations, or agreements written or oral. No amendment or modification of this Agreement shall be of any force or effect unless it is in writing and signed by the parties.

DATED this _____ day of _____, 20_____.

CITY OF TUKWILA

CONSULTANT

Allan Ekberg, Mayor

By: *am lant*

Printed Name: Adam LaPlant

Title: Associate

Sean Douthett
Sean Douthett, Vice President

Attest/Authenticated:

Approved as to Form:

City Clerk, Christy O'Flaherty

Office of the City Attorney

EXHIBIT A

CITY OF TUKWILA

Sanitary Sewer, Stormwater and Water Distribution GIS Inventory and Update

Scope of Services

Prepared by:

**David Evans and Associates, Inc.
14432 SE Eastgate Way, Suite 400
Bellevue, WA 98007**

August 17, 2022

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TASK 1.0 PROJECT DESCRIPTION, DELIVERABLES AND ASSUMPTIONS

1.1 Project Description

The City of Tukwila (CLIENT) is requesting professional services from David Evans and Associates, Inc. (CONSULTANT) to inventory and update the Sanitary Sewer, Stormwater, and Water System Geographic Information System (GIS).

The major features of the project include:

Sanitary Sewer:

- Sewer Manholes
- Sewer Pipes
- Sewer Pump Stations

Stormwater:

- Catch Basin
- Pipes and Ditches
- Stormwater Pump Stations
- Stormwater Detention Ponds
- Stormwater Vaults
- Drain Points

Water Distribution:

- Water Lines
- Water Valves
- Water Meters
- Fire Hydrants
- Water Vaults
- Water Risers
- Post Indicator Valves
- Fire Department Connections
- Air Release Valves
- Corp Stops

1.2 Project Deliverables Furnished by CONSULTANT

CONSULTANT shall deliver the following documents and products to CLIENT as part of this agreement:

- * Electronic copy of the updated GIS geodatabase.
- * Structure and site photos.
- * Structure data sheets.

CLIENT will have the opportunity to review each of the deliverables. CLIENT review documents will be returned with subsequent revision, illustrating that each review comment has been addressed as stated, or how/why it was not addressed.

1.3 Responsibilities and Services Provided by CLIENT

CLIENT will:

- * Provide electronic copy of the existing GIS geodatabase that is to be updated.
- * Provide existing as-built plans, GIS maps and data, and other available mapping information.

- * Review all submittals made to the CLIENT within 15 working days, or as agreed, and return them to the CONSULTANT with consolidated written comments regarding changes or revisions needed.

1.4 Project Assumptions

- * For any new assets collected the CONSULTANT will defer to the City regarding naming/numbering. No assets numbers will be changed, nor will assets be deleted from database.
- * Mapping accuracy requirement for object locations is “mapping grade” (+/- 3 feet). Objects will be mapped to “survey grade” accuracy (+/- 0.10 feet) throughout the project unless dense vegetation or forested areas prevent the use of survey grade GPS equipment.
- * Horizontal datum will be NAD 83/91.
- * Vertical datum will be NAVD 88.
- * The project duration is assumed to be six (6) months.

TASK 2.0 PROJECT MANAGEMENT AND QUALITY CONTROL

2.1 Project Management

CONSULTANT will provide direction for staff and review of their work over the course of the project. This work element includes preparing monthly progress reports to accompany monthly invoicing, that will include the status of individual work elements, number of meetings attended, outstanding information required, and work items planned for the following month.

CONSULTANT will monitor the project budget weekly throughout the course of the project. This work element is intended to help monitor costs and budgets, and to propose corrective actions, if needed. These actions may include formal requests for increases, modifications, or reductions in scope.

Drawings and documents received and generated over the course of the project require review, coordination, and file management. The status of requested information will also be maintained.

2.2 Monthly Invoices/Progress Reports

Monthly invoices will be prepared by CONSULTANT per CLIENT requirements for work activities for the prior month. These invoices will include SUBCONSULTANT work and will be accompanied by monthly progress reports, back-up materials for expenses, and show approved budget and amount expended to date.

Deliverables: Monthly invoices and progress reports (six (6) total).

2.3 Project Kick-off Meeting and Progress Meetings

After receiving notice to proceed, CONSULTANT will conduct a project team kick-off meeting with staff expected to be involved in the project and key CLIENT staff. The meeting will be used to discuss critical elements of the Scope of Work, the project schedule, document control, and Quality Assurance/Quality Control (QA/QC) procedures; and to clearly define the roles and responsibilities of the project team members.

This work element provides for the preparation, attendance, follow-up, and documentation of meetings during the length of the project. These meetings will be the forums for CLIENT to provide input and guidance for the direction of the project. They will also be used to discuss project issues, approve submittals, and develop potential solutions.

CONSULTANT will prepare for, attend, and document up to six (6) meetings with CLIENT staff. The CONSULTANT will attend one meeting every month with the CLIENT's project manager for the duration of the project. The meetings will be held in a location acceptable to CLIENT and CONSULTANT.

Deliverables: Meeting Minutes (six (6) total).

2.4 Quality Assurance/Quality Control Review

This work element is for the QA/QC review of CONSULTANT deliverables by a designated QA/QC staff member of the CONSULTANT team. CONSULTANT will assign a Quality Manager to the project that will be responsible for ensuring that quality reviews are performed at stages throughout the project and on all deliverables. The review will cover field and office work on an on-going basis. QA/QC documentation will be maintained and filed with project records.

2.5 Change Management

Project Managers from CLIENT and CONSULTANT are responsible for managing changes to the scope and schedule. CLIENT is responsible for the authorization of any changes to the scope, budget, and/or schedule. Team members must ensure that work within their areas remains within the defined project scope, schedule, and budget. When issues, actions, or circumstances occur that could cause a change in scope, personnel, cost, or schedule, team members must communicate potential changes to the Project Manager as early as possible. Project manager will determine whether the potential change issue will lead to a change in scope, cost, or schedule.

CONSULTANT shall obtain written authorization from CLIENT before implementing any change to this Scope of Services, schedule, or budget. All changes will be documented using the Project Change Form.

TASK 3.0 SANITARY SEWER GIS INVENTORY

3.1 Field Review

CONSULTANT will conduct an existing as-built/GIS review at the outset of the project to identify key field conditions that may impact the field mapping including safety, traffic, and access issues. The procedures required to complete the field survey will be determined and safety risks will be analyzed. Structures requiring CLIENT assistance for traffic control to survey will be identified and will be scheduled to be completed with other structures requiring traffic control.

3.2 Data Collection

CONSULTANT will field survey the location and collect attributes for sanitary sewer manholes and there accompanying pipes. Photographs and supplemental measurement data sheets will be collected to support project deliverables. Structure sizes and depths, pipe sizes, and invert elevations, etc. will be measured in the field so that necessary database attribute information can be completed.

Field measurement data will be collected electronically in the field. Additionally, hard-copy structure cards will be completed in the field with the same measurements so that a quality control check of the information collected electronically in the field can be performed.

CONSULTANT will use CLIENT provided GIS database structure.

3.3 Sanitary Sewer As-Built Research

CONSULTANT will review research on existing utility information, provided by CLIENT, for inclusion in the mapping. Where possible, CONSULTANT will use provided as-built records to prepare and pre-enter attribute information to be field verified. This will make the field effort more efficient.

3.4 Geodatabase Update

CONSULTANT will use its field surveyed information, and the as-built research to update the CLIENT's existing Geodatabase GIS files.

CONSULTANT will include metadata for the Geodatabase updates.

Deliverables: Electronic copy of the updated Geodatabase.

TASK 4.0 STORMWATER GIS INVENTORY

4.1 Field Review

CONSULTANT will conduct an existing as-built/GIS review at the outset of the project to identify key field conditions that may impact the field mapping including safety, traffic and access issues. The procedures required to complete the field survey will be determined and safety risks will be analyzed. Structures requiring city assistance for traffic control to survey will be identified and will be scheduled to be completed with other structures requiring traffic control.

4.2 Data Collection

CONSULTANT will field survey the location and collect attributes for storm drain features and their accompanying pipes. Structure sizes and depths, pipe sizes and invert elevations, etc. will be measured in the field so that necessary database attribute information can be completed.

Field measurement data will be collected electronically in the field. Additionally, hard copy structure cards will be completed in the field with the same measurements so that a quality control check of the information collected electronically in the field can be performed.

The CONSULTANT will use CLIENT provided GIS database structure.

4.3 Stormwater As-Built Research

CONSULTANT will review research on existing utility information, provided by CLIENT, for inclusion in the mapping. Where possible CONSULTANT will use provided as-built records to prepare and pre-enter attribute information to be field verified. This will make the field effort more efficient.

4.4 Geodatabase Preparation

CONSULTANT will use its field surveyed information, and the as-built research to update the CLIENT's existing Geodatabase GIS files.

The CONSULTANT will include metadata for the Geodatabase updates.

Deliverables: Electronic copy of the updated Geodatabase.

TASK 5.0 WATER DISTRIBUTION GIS INVENTORY

5.1 Field Review

CONSULTANT will conduct an existing as-built/GIS review at the outset of the project to identify key field conditions that may impact the field mapping including safety, traffic, and access issues. The procedures required to complete the field survey will be determined and safety risks will be analyzed. Structures requiring CLIENT assistance for traffic control to survey will be identified and will be scheduled to be completed with other structures requiring traffic control.

5.2 Data Collection

CONSULTANT will field survey the location and collect attributes for water distribution features and their accompanying pipes. Photographs and supplemental measurement data sheets will be collected to support project deliverables. Structure sizes and depths, pipe sizes and invert elevations, etc., will be measured in the field so that necessary database attribute information can be completed.

Field measurement data will be collected electronically in the field. Additionally, hard-copy structure cards will be completed in the field with the same measurements so that a quality control check of the information collected electronically in the field can be performed.

CONSULTANT will use CLIENT provided GIS database structure.

5.3 Water Distribution As-Built Research

CONSULTANT will review research on existing utility information, provided by CLIENT, for inclusion in the mapping. Where possible CONSULTANT will use provided as-built records to prepare and pre-enter attribute information to be field verified. This will make the field effort more efficient.

5.4 Geodatabase Update

CONSULTANT will use its field surveyed information, and the as-built research to update the CLIENT's existing Geodatabase GIS files.

CONSULTANT will include metadata for the Geodatabase updates.

Deliverables: Electronic copy of the updated Geodatabase.

TASK 6.0 ADDITIONAL PROJECT WORK

6.1 Contingency Budget

This task provides contingency funds to support additional work. New projects will follow the scoped guidelines stated above. This additional proposed work will require approval in writing from CLIENT prior to charging to it.

Exhibit B

**City of Tukwila
Sanitary Sewer, Stormwater, and Water Distribution GIS Inventory**

David Evans and Associates, Inc.

Classification		Hrs.	x	Negotiated Rate	=	Cost
1	Project Manager (PMGR/PLSU)	182		\$ 184.80		\$33,634
2	Quality Control Manager (PICH)	22		\$ 274.12		\$6,031
3	GIS Manager (GISM)	62		\$ 147.84		\$9,166
4	Survey Manager (SVYM)	15		\$ 200.20		\$3,003
5	GIS Technician (GIST)	361		\$ 129.36		\$46,699
6	Survey Technician (SVTE)	416		\$ 98.56		\$41,001
7	Party Chief (PCHF)	416		\$ 123.20		\$51,251
8	Administrative Assistant (ADMA)	28		\$ 98.56		\$2,760
9	Project Administrator (PADM)	28		\$ 120.12		\$3,363
		Total Hrs.	1530			
Salary Cost						\$ 196,907
Direct Expenses						
		No.	Unit	Each		Cost
			days @	\$1,350	\$	-
			days @	\$1,350	\$	-
Mileage		4,900	miles @	\$0.625 /mil	\$	3,063
			miles @	\$0.625 /mil	\$	-
Subtotal						\$ 3,063
Total Costs						\$ 199,970

Exhibit B

**City of Tukwila
Sanitary Sewer, Stormwater, and Water Distribution GIS Inventory**

David Evans and Associates, Inc.

Work Element #	Work Element	1	2	3	4	5	6	7	8	9	DEA Total hrs	DEA Total \$	% of Total Hours
		Project Manager (PMGR/PLSU)	Quality Control Manager (PICH)	GIS Manager (GISM)	Survey Manager (SVYM)	GIS Technician (GIST)	Survey Technician (SVTE)	Party Chief (PCHF)	Administrative Assistant (ADMA)	Project Administrator (PADM)			
		Total hrs	Total hrs	Total hrs	Total hrs	Total hrs	Total hrs	Total hrs	Total hrs	Total hrs	Total hrs	Total \$	Total %
2.0	Project Management & Quality Control												
2.1	Project Management												
2.1a	Sanitary Sewer Inventory	8								6	14	\$2,199	0.92%
2.1b	Stormwater GIS Inventory	8								5	13	\$2,079	0.85%
2.1c	Water Distribution GIS Inventory	8								5	13	\$2,079	0.85%
2.2	Monthly Invoices/Progress Reports												
2.2a	Sanitary Sewer Inventory	6	2							4	12	\$2,138	0.78%
2.2b	Stormwater GIS Inventory	6	2							4	12	\$2,138	0.78%
2.2c	Water Distribution GIS Inventory	6	2							4	12	\$2,138	0.78%
2.3	Project Kick-off Meeting and Progress Meetings												
2.3a	Sanitary Sewer Inventory	8	2	2		8					20	\$3,357	1.31%
2.3b	Stormwater GIS Inventory	8	2	2		8					20	\$3,357	1.31%
2.3c	Water Distribution GIS Inventory	8	2	2		8					20	\$3,357	1.31%
2.4	Quality Control/Quality Assurance Review												
2.4a	Sanitary Sewer Inventory	8	2	4					4		18	\$3,012	1.18%
2.4b	Stormwater GIS Inventory	8	2	4					4		18	\$3,012	1.18%
2.4c	Water Distribution GIS Inventory	8	2	4							14	\$2,618	0.92%
2.5	Change Management												
2.5a	Sanitary Sewer Inventory												
2.5b	Stormwater GIS Inventory												
2.5c	Water Distribution GIS Inventory												
	Work Element Total	90	18	18		24			8	28	186	\$31,484	12.16%
3.0	Sanitary Sewer GIS Inventory												
3.1	Field Review	4			2	4	8	8			26	\$3,431	1.70%
3.2	Data Collection	10		8	2	40	60	60	8		188	\$22,700	12.29%
3.3	Utilities As-Built Research	4				4					8	\$1,257	0.52%
3.4	Geodatabase Preparation	4		8	2	8					22	\$3,357	1.44%
	Work Element Total	22		16	6	56	68	68	8		244	\$30,745	15.95%
4.0	Stormwater GIS Inventory												
4.1	Field Review	4			2	8	8	8			30	\$3,949	1.96%
4.2	Data Collection	16		8	2	100	180	180	8		494	\$58,181	32.29%
4.3	Utilities As-Built Research	4				20					24	\$3,326	1.57%
4.4	Geodatabase Preparation	4		8	2	22					36	\$5,168	2.35%
	Work Element Total	28		16	6	150	188	188	8		584	\$70,624	38.17%
5.0	Water Distribution GIS Inventory												
5.1	Field Review	2			1	4	8	8			23	\$2,861	1.50%
5.2	Data Collection	2		4		20	32	32	4		94	\$11,039	6.14%
5.3	Utilities As-Built Research	2				4					6	\$887	0.39%
5.4	Geodatabase Preparation	2		4	1	12					19	\$2,713	1.24%
	Work Element Total	8		8	2	40	40	40	4		142	\$17,501	9.28%
6.0	Additional Project Work												
6.1	Contingency Budget	34	4	4	1	91	120	120			374	\$46,554	24.44%
	Work Element Total	34	4	4	1	91	120	120			374	\$46,554	24.44%
	EXPENSES -											\$3,063	
	SALARY ESCALATION												
PROJECT WORK ELEMENTS TOTALS		182	22	62	15	361	416	416	28	28	1530	\$199,970	100.00%
Sanitary Sewer GIS Inventory Totals		52	6	22	6	64	68	68	12	10	308	\$41,451	20.13%
Stormwater GIS Inventory Totals		58	6	22	6	158	188	188	12	9	647	\$81,210	42.29%
Water Distribution GIS Inventory Totals		38	6	14	2	48	40	40	4	9	201	\$27,692	13.14%
Additional Project Work		34	4	4	1	91	120	120			374	\$46,554	24.44%