



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, JULY 18, 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		
a) Capital Projects Phases and Process (C. Knighton)	a) Information only	Pg. 1
2. BUSINESS AGENDA		
b) Boeing Access Rd Bridge Over Airport Way Seismic Retrofit - Project Completion and Acceptance (A. Cox)	b) Forward to the 08/01/22 Regular Consent Agenda	Pg. 11
c) Citywide Water Meter Digitization Project WaterSMART Grant Application (B. Robinson)	c) Committee approval	Pg. 23
3. MISCELLANEOUS		

Next Scheduled Meeting: August 1, 2022

 The City of Tukwila strives to accommodate individuals with disabilities.
Please contact the Public Works Department at **206-433-0179** for assistance.

CAPITAL PROJECTS

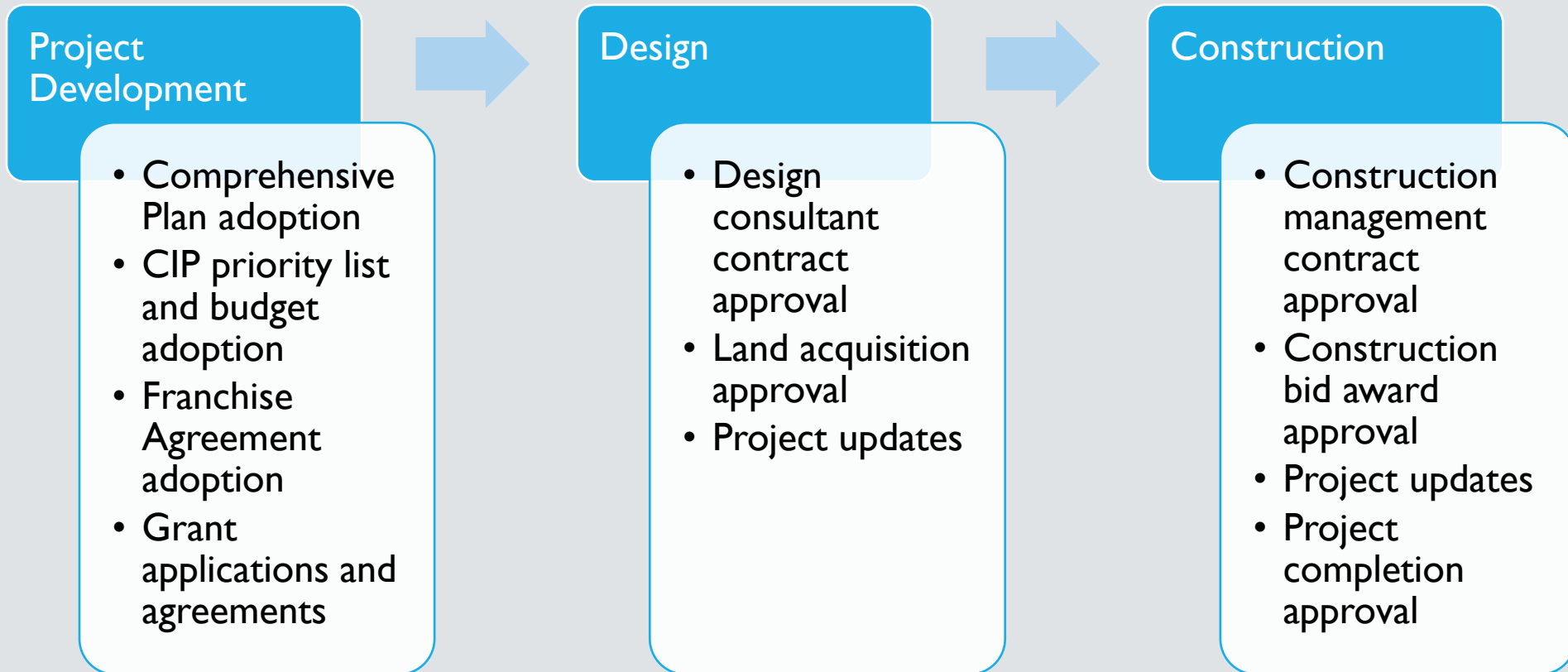
WHAT ARE CAPITAL PROJECTS

- Projects that:
 - Result in capital assets
 - Have a multi-year useful life
 - Cost \$10,000 or more
- However, the CIP can also include projects that do not result in a capital asset upon completion but are associated with significant maintenance and repair of existing capital assets.
 - An example of this would be overlay, which the City typically expends in excess of \$1 million annually on overlay projects but does not result in a new capital asset.

PARTNERSHIPS & COLLABORATION

- The City partners with metropolitan planning organizations; state, regional, and adjacent jurisdictions; impacted utilities, grantors; and the community to ensure the success of capital projects.
- Collaboration elements may include:
 - Adoption of project in local and regional plans
 - Coordinated construction work in project areas to reduce costs and reduce disruptions to the community and environment
 - Joint revenue investments

PROJECT APPROVAL PROCESS



PROJECT DEVELOPMENT

- Project identified during:
 - Comprehensive planning process (42nd Ave S Bridge, Gilliam Creek Fish Barrier Removal, etc)
 - Emergent need (Broken water line, higher than normal maintenance needs, etc)
 - Annual programs (Overlay, Small Drainage, Green the Green, etc)
- Project lists prioritized during CIP adoption
- Project costs developed based on engineer's estimates
- Project costs and timeline broken into phases
- Individual projects and budgets approved by Council during the biennium budget process

PHASES OF A PROJECT

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

DESIGN

- Design phase includes:
 - Feasibility studies
 - Schematic design
 - Permitting
 - Coordination with utilities
 - Community outreach
 - Final design
- Once the design phase is complete the project will be at a shovel ready status.

LAND/RIGHT OF WAY

- If needed, this step typically happens concurrent with the design phase
- May include purchase of land, right of way, or easements
- Franchise utilities that have infrastructure in City owned land/right of way are typically required to relocate them before or during the construction phase

CONSTRUCTION & CONSTRUCTION MANAGEMENT

- The City goes through a bid award process to select a construction contractor
- This is highly time intensive, so the City typically hires a consultant to manage the construction contractor
- Construction management provides oversight of construction and contractor, and includes site inspections



INFORMATIONAL MEMORANDUM

TO: **Transportation and Infrastructure Services Committee**
 FROM: **Hari Ponnekanti, Public Works Director/City Engineer**
 BY: **Adam Cox, Transportation Project Manager**
 CC: **Mayor Allan Ekberg**
 DATE: **July 15, 2022**
 SUBJECT: **Boeing Access Road Bridge over Airport Way Seismic Retrofit**
Project No. 91310407; Contract No. 20-058
Project Completion and Acceptance

ISSUE

Accept construction contract as complete and authorize release of the payment and performance bond.

BACKGROUND

The City has been running a successful bridge maintenance program for many years. Much of the project construction funding comes from various state and federal grants, whereas the City’s financial contribution to the Bridge Program is typically represented through the staff time of the Program Manager. The Bridge Program, introduced nine years ago, has worked as intended in preserving our bridge assets. With the completion of this seismic retrofit, the Boeing Access Road throughfare is considered seismically stable by WSDOT to move traffic through the corridor after a seismic event.

The Notice to Proceed for Contract Number 20-058 with Razz Construction, LLC of Bellingham, Washington for the Boeing Access Road over Airport Way Bridge Seismic Retrofit Project was issued on July 20, 2020. This construction project consisted of a seismic retrofit of the Boeing Access Road over BNRR bridge approach slabs, concrete column jacketing, and foundation support.

DISCUSSION

The Boeing Access Road over Airport Way Bridge Seismic Retrofit construction project was physically completed on March 15, 2022. There were no contract disputes or claims on the project and the project was completed under budget. Since the physical completion date, staff has been waiting for approval of all administrative obligations and payment verification items before accepting the work as complete.

FISCAL IMPACT

The original construction contract for the Boeing Access Road over Airport Way Bridge Seismic Retrofit was \$1,442,505.00 with a 25% contingency of \$360,626.00. Two change orders were executed for a total of \$98,000.00. Underruns credited \$72,190.13, resulting in a final contract amount of \$1,468,314.87. Project construction was 100% funded through a Federal Bridge Replacement Advisory Committee (BRAC) grant. The final project expenditures are as follows:

	<u>Expenses</u>	<u>Construction Budget</u>
Construction Contract Amount	\$1,442,505.00	\$2,094,000.00
Change Order Nos. 1 and 2	98,000.00	
Underruns	<u>(72,190.13)</u>	
Total Contract Expenses	\$1,468,314.87	

RECOMMENDATION

Council is being asked to formally accept the Boeing Access Road over Airport Way Bridge Seismic Retrofit contract with Razz Construction, LLC in the amount of \$1,468,314.87 as complete, and authorize the release of the payment and performance bond subject to standard claim and lien release procedures, and to consider this item at the August 1, 2022 Consent Agenda at the Regular Meeting.

Attachments: Project Photos
2021 CIP, Pg 10
Notice of Completion
State Certification Letters

CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2021 to 2026

PROJECT: **Boeing Access Rd over Airport Way Seismic Retrofit** Project No. 91310407

DESCRIPTION: Provide seismic modifications to the Boeing Access Road over Airport Way Bridge to allow it to withstand earthquake forces.

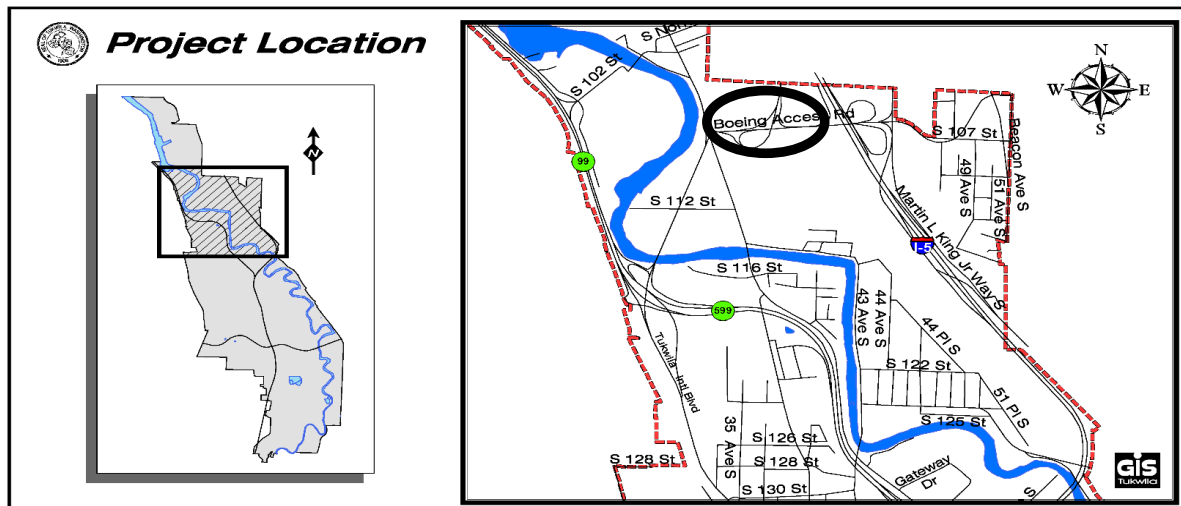
JUSTIFICATION: The Boeing Access Road over Airport Way Bridge is the final bridge on the corridor from I-5 to the King County Airport and Boeing facilities that has not been seismically upgraded. This improvement would allow the entire corridor to be seismically resistant during an earthquake.

STATUS: Design is scheduled to begin in the second quarter of 2018 with construction in 2020.

MAINT. IMPACT: Maintenance should remain the same after the seismic items are installed.

COMMENT: Design requires a 13.5% match. If construction is not authorized by December 2020, the City would be required to provide a 13.5% match. If construction is authorized prior to that date, there would be no City match. We believe that the project can obtain the construction authorization so no City funding is listed below.

FINANCIAL (in \$000's)	Through Estimated		2021	2022	2023	2024	2025	2026	BEYOND	TOTAL
	2019	2020								
EXPENSES										
Design	399									399
Land (R/W)										0
Const. Mgmt.		323	197							520
Construction		1,118	685							1,803
TOTAL EXPENSES	399	1,441	882	0	0	0	0	0	0	2,722
FUND SOURCES										
Awarded BRAC Grant	316	1,441	882							2,639
Proposed Grant										0
Fund Balance-Bond										0
Mitigation										0
City Oper. Revenue	83	0	0	0	0	0	0	0	0	83
TOTAL SOURCES	399	1,441	882	0	0	0	0	0	0	2,722





NOTICE OF COMPLETION OF PUBLIC WORKS CONTRACT

Department Use Only	
Assigned to:	Date Assigned:

Date 03/16/2022	Form Version Original	Revision Reason
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Awarding Agency Information		Prime Contractor Information	
Name TUKWILA, CITY OF	UBI 916001519	Name RAZZ CONSTRUCTION INC	UBI 602504498
Address 6300 S CENTER BLVD #101 TUKWILA,WA-98188		Address 4055 HAMMER DR BELLINGHAM,WA-98226	
Email Address adam.cox@tukwilawa.gov		Email Address yvettem@razzconstruction.com	
Contact Name Adam Cox	Phone 206-433-2446	Contact Name RAZZ CONSTRUCTION INC	Phone 360-752-0011

Project Information			
Project Name S. Boeing Access Road Over Airport Way Bridge Seismic Retrofit		Contract # 20-058	Affidavit ID 1076466
Jobsite Address S. Boeing Access Rd, Tukwila WA			
Date Awarded 07/15/2020	Date Work Commenced 10/05/2020	Date Work Completed 10/05/2021	Date Work Accepted 03/16/2022
Federally Funded Transportation Project <i>If yes, attach Contract Bond Statement.</i> <input checked="" type="checkbox"/>			
Bond Waived?	Retainage Waived?	Subcontractors Used? <i>If yes, complete Addendum A.</i> <input checked="" type="checkbox"/>	
Detailed Description of Work Completed Construction of approximately 400 linear feet of street improvements within the right-of-way of S Boeing Access Road and Airport Way S, including but not limited to construction of new approach slabs, catcher blocks, girder stops, concrete bolsters, and steel column jackets at the S Boeing Access Road Over Airport Way Bridge and other work necessary to complete the Work as specified and shown in the Contract Documents.			

DOR Tax Information			
<i>*Right-click on the total field and select <u>Update Field</u> to auto-calculate.</i>			
Contract Amount	\$1,442,505.00	Liquidated Damages	\$ 0.00
Additions (+)	\$98,000.00	Amount Disbursed	\$1,468,314.87
Reductions (-)	\$72,190.13	Amount Retained	\$ 0.00
Sub-Total*	\$1,468,314.87	Other	\$ 0.00
Sales Tax Amount	\$ 0.00	Sales Tax Rate <i>If multiple rates, attach a list.</i>	0.00%
TOTAL*	\$1,468,314.87	TOTAL*	\$1,468,314.87
<i>These two totals must be equal.</i>			

Apprentice Utilization Information	
Was Apprentice Utilization Required? <i>If yes, complete this entire section.</i> <input type="checkbox"/>	Engineer's Estimate \$ 0.00
Utilization % 0.30%	Was a Good Faith Effort approved?

Comments

The Disbursing Officer must submit this completed notice immediately after acceptance of the work done under this contract. NO PAYMENT SHALL BE MADE FROM THE RETAINED FUNDS until receipt of all release certificates and affidavits.

Submitting Form: Submit the completed form by email to all three agencies below.



Addendum A: Please List all Subcontractors and Sub-tiers Below

This addendum can be submitted in other formats.

Provide known affidavits at this time. No L&I release will be granted until all affidavits are listed.

Subcontractor's Name:	UBI Number: (Required)	Affidavit ID*
AMERICAN CONCRETE COMPANY	409019076	1064515
ANYTHING ASPHALT & MAINT LLC	604731125	1055733
ASPHALT PATCH SYSTEMS	601290396	1026109
GARY MERLINO CONST CO INC	600584952	1064372
PNW REINFORCING INC	604485839	1012508
PONY UP PARKING LOTS INC	604185463	1044861
RALPH'S CONCRETE PUMPING	578085430	1046541
REDLASER CONSTRUCTION	604064451	1048903
TWISTED METAL LLC	602847101	1015823



Employment Security Department

WASHINGTON STATE

March 16, 2022

ESD# 000301029007

UBI# 602504498000

RAZZ CONSTRUCTION INC
4055 HAMMER DR
BELLINGHAM, WA-98226

TUKWILA, CITY OF

Employment Security Department hereby certifies those contributions, penalties and interest due from the above named contractor under the Employment Security Act have been paid in full or provided for with respect to the following public works contract:

Description S. Boeing Access Road Over Airport Way Bridge Seismic Retrofit
Contract number 20-058

The Employment Security Department hereby certifies that it has no claim pursuant to RCW 50.24.130 against the public body named above for tax attributable to service performed for said public body by the above named contractor on the above described contract. The Employment Security Department releases its lien on the retained percentage which is provided by RCW 60.28.040 for contributions, penalties and interest due from said contractor.

This certificate does not release said contractor from liability for additional contributions, penalties and interest which may be later determined to be due with respect to the above mentioned contract.

If we may be of further assistance, please call (360) 890-3499 or email publicworks@esd.wa.gov

EMPLOYMENT SECURITY DEPARTMENT



STATE OF WASHINGTON
DEPARTMENT OF REVENUE

CITY OF TUKWILA
C/O ADAM COX
6300 SOUTHCENTER BLVD
TUKWILA WA 98188-2545

May 9, 2022
Letter ID: L0019432575
UBI: 602-504-498
Account ID: 602-504-498
Account Type: Excise Tax
Audit ID: A42587
Audit Period: 07/01/20 - 01/31/22

We hereby certify that taxes, increases and penalties due or to become due from the contractor listed below under Chapter 180, Laws of 1935, as amended, with respect to the following public works contract:

RAZZ CONSTRUCTION, INC.

Public Agency: TUKWILA, CITY OF

Project Name: S. Boeing Access Road Over Airport Way Bridge Seismic Retrofit

Contract Number: 20-058

Description of Work: Street improvements within the right-of-way of S Boeing Access Road and Airport Way S.

has been paid in full, or is in the Department's opinion readily collectible without recourse to the state's lien on the retained percentage.

This certificate is issued pursuant to the provision of Chapter 60.28 Revised Code of Washington for the sole purpose of informing the state, county, or municipal officer charged with the duty of disbursing or authorizing the payment of public funds to said contractor that the Department of Revenue hereby releases the state's lien on the retained percentage provided by this Chapter for excise taxes due from said contractor.

This certificate does not release said contractor from liability for additional tax that may be later determined to be due with respect to the above-mentioned contract or other activities.

Dated May 9, 2022 at Olympia, Washington,

State of Washington
Department of Revenue

Certifying Officer



City of Tukwila

Allan Ekberg, Mayor

Public Works Department – Hari Ponnekanti, Director/City Engineer



6300 Building ♦ 6300 Southcenter Boulevard Suite 100 ♦ Tukwila, WA 98188 ♦ 206-433-0179

Tukwila City Hall • 6200 Southcenter Boulevard • Tukwila, WA 98188 • 206-433-1800 • Website: TukwilaWA.gov













INFORMATIONAL MEMORANDUM

TO: **Transportation & Infrastructure Services Committee**
 FROM: **Hari Ponnekanti, Public Works Director/City Engineer**
 BY: **Brittany Robinson, Public Works Grant Analyst**
Bryan Still, Operations Manager
Adib Altallal, Utilities Engineer
 CC: **Mayor Allan Ekberg**
 DATE: **July 15, 2022**
 SUBJECT: **Citywide Water Meter Digitization Project**
WaterSMART Grant Application

ISSUE

Approval of an application to the WaterSMART Water & Energy Efficiency grant program to upgrade the City to an advanced metering infrastructure (AMI) water system.

BACKGROUND

The City’s water system is currently on AMR portable radio-based reading system. Meters in the City require a City crew member to drive a route and activate the radio to get a read. Currently, the read is taken once a month and only provides total monthly water consumption per meter. Upgrading to an AMI fixed-base system will enable real-time alerts for leaks, reduce unaccounted-for water loss and allow City staff more data to make better decisions regarding operational and customer concerns.

DISCUSSION

On May 2, 2022, the United State Department of Interior (USDOl) opened their call for projects for the WaterSMART Water & Energy Efficiency grant program. This grant program funds projects that conserve and use water more efficiently; increase the production of renewable energy; and contribute to sustainability. The deadline to apply for funding is July 28, 2022.

The City would like to request \$2.5 million from the WaterSMART grant to upgrade City owned water meters to an AMI system. This project will include replacing old meters with OMNI meters in residential and commercial districts, installation of two antennae poles with collector systems that will allow for wireless readings, radios, and AMI software and training.

FINANCIAL IMPACT

In preparation for this funding opportunity, City staff requested a cost estimate from Ferguson Meter and Automation group to determine potential costs of the project. Ferguson estimated the total project cost to be approximately \$2.5 million. There is a 50% match required, which would be covered by the Water Enterprise Fund.

	Cost Estimate	Funding Source	Budget
AMI Upgrade	\$2,500,000	Grant	\$1,250,000
		Water Fund (50% match)	<u>1,250,000</u>
Total	\$2,500,000		\$2,500,000

Not included in the project total are ongoing software costs, which will be approximately \$18,000 annually.

RECOMMENDATION

The Transportation and Infrastructure Services Committee is being asked to approve an application submittal for the WaterSMART Water & Energy Efficiency grant to upgrade the City to an advanced metering infrastructure (AMI) water system.

ATTACHMENT: Cost Estimate



2042 112th St S
 Tacoma, WA 98444
 Cell Phone: 503-780-6170

jason.mosebar@ferguson.com

City of Tukwila

Date: 6/30/2022

Sensus FlexNet Material W/Basestation Install

Item No		Description	Unit	Unit Price	Total
1	QTY	Sensus Meters and Radios			\$ 1,963,814.26
1.1	1376	3/4" I-Perl Water Meters	ea	\$ 167.29	\$ 230,191.04
1.2	313	1" I-Perl Water Meters	ea	\$ 254.53	\$ 79,667.89
1.3	326	1 1/2" OMNI C-2 Water Meters	ea	\$ 1,377.93	\$ 449,205.18
1.4	186	2" OMNI C-2 Water Meters	ea	\$ 1,589.92	\$ 295,725.12
1.5	39	3" OMNI C-2 Water Meters	ea	\$ 2,013.89	\$ 78,541.71
1.6	27	4" OMNI C-2 Water Meters	ea	\$ 3,497.81	\$ 94,440.87
1.7	18	6" OMNI C-2 Water Meters	ea	\$ 6,041.44	\$ 108,745.92
1.8	18	8" OMNI C-2 Water Meters	ea	\$ 9,759.86	\$ 175,677.48
1.9	3	10" OMNI C-2 Water Meters	ea	\$ 12,593.35	\$ 37,780.05
1.11	2300	Smartpoint 520M MXU Radios	ea	\$ 179.93	\$ 413,839.00
2		Sensus AMI Collection Equipment			\$ 200,000.00
2.1	2	Sensus M400 Collector with Install	ea	\$ 100,000.00	\$ 200,000.00
2.2	1	Prop Study Refund	ea	\$ (750.00)	
3		Sensus Analytics Software and Training			\$ 45,992.50
3.1	1	Sensus Analytics Software Hosted Year 1	ea	\$ 32,292.50	\$ 32,292.50
3.2	1	Sensus Installation and Configuration Fee (One Time)	ea	\$ 6,500.00	\$ 6,500.00
3.3	1	Sensus RNI Core Training	ea	\$ 7,200.00	\$ 7,200.00
3.4	1	Project Management (TBD on Deployment)	mth	\$ 8,250.00	\$ 8,250.00
3.5	1	Sensus Analytics Software Hosted Year 2	ea	\$ 17,115.00	
3.6	1	Sensus Analytics Software Hosted Year 3	ea	\$ 17,678.75	
3.7	1	Sensus Analytics Software Hosted Year 4	ea	\$ 18,261.25	
3.8	1	Sensus Analytics Software Hosted Year 5	ea	\$ 18,947.00	
Sensus FlexNet Hardware & Software Total					\$ 2,209,806.76