



## INFORMATIONAL MEMORANDUM

**TO: Transportation & Infrastructure Services Committee**  
**FROM: Hari Ponnekanti, Public Works Director/City Engineer**  
**BY: Brittany Robinson, Public Works Grant Analyst**  
**CC: Mayor Allan Ekberg**  
**DATE: March 4, 2022**  
**SUBJECT: 42<sup>nd</sup> Ave South Bridge Replacement Project**  
**Project No. 91810404**  
**RAISE Grant Application**

### **ISSUE**

Approval to submit an application to the Rebuilding American Infrastructure with Sustainability & Equity (RAISE) grant program for the 42<sup>nd</sup> Ave S Bridge Replacement Project in the amount of \$8,429,000.

### **BACKGROUND**

The 42<sup>nd</sup> Ave S Bridge is a critical link to the Allentown neighborhood and is the primary access route in and out of the BNSF intermodal yard. The replacement of this structure is a high priority for the City; however, grant funding is needed to complete this project. The City applied for state funding to replace the bridge in 2017 and 2019 through federally supported grants programs, but was unsuccessful in these requests. In 2020, the City approved \$1.078 million in funding to begin the 30% design for the 42<sup>nd</sup> Ave S Bridge Replacement. The City has an additional \$2.942 million in Solid Waste Utility Tax budgeted for this project.

In 2021, the City received \$1.5 million in federal funding from the Puget Sound Regional Council (PSRC) to complete the design phase and \$12 million from the Washington State Department of Transportation (WSDOT) Local Bridge Program, which can support all phases of the 42<sup>nd</sup> Ave S Bridge replacement.

The 42<sup>nd</sup> Ave S Bridge Replacement Project is estimated to be approximately \$4-9 million short of being fully funded, depending on which bridge replacement option is selected. The City continues to apply for local, state, and federal funding opportunities to fill this funding gap.

### **DISCUSSION**

On February 1, 2022, the United State Department of Transportation (USDOT) opened their call for project for RAISE grant funding. The RAISE program is a federal funding source that supports road, rail, transit, and port infrastructure projects that have local and regional impacts. The deadline to apply for funding is April 14, 2022.

**FINANCIAL IMPACT**

The City is requesting \$8,429,000 from the RASIE grant to fund the remaining anticipated expenses of the 42<sup>nd</sup> Ave S Bridge project. This grant requires a 20% local City match of \$2,107,250. The match would be covered by the Solid Waste Utility Tax budgeted for this project.

<b>Fund Source</b>	<b>Revenue</b>
RAISE Grant	<b>\$ 8,429,000</b>
City Revenue	1,087,000
Solid Waste Tax	2,942,000
PSRC Grant	1,500,000
WSDOT Grant	12,000,000
<b>Project Total*</b>	<b>\$ 25,958,000</b>

<b>Project Phase</b>	<b>Cost Estimate</b>
Design	\$3,700,000
Right of Way	200,000
Construction Mgmt.	3,058,000
Construction	19,000,000
<b>Project Total*</b>	<b>\$ 25,958,000</b>

\*Total project costs are based on the most expensive bridge replacement option. This is reflected on the revised CIP page.

**RECOMMENDATION**

The Transportation and Infrastructure Services Committee is being asked to approve a grant submittal for the Rebuilding American Infrastructure with Sustainability & Equity (RAISE) grant application for the 42<sup>nd</sup> Ave S Bridge Replacement Project.

**ATTACHMENT:** 2021 CIP Page 9 (Revised)  
2021 CIP Page 9

**CITY OF TUKWILA CAPITAL PROJECT SUMMARY**

2021 to 2026

**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. Council approved 30% design with City funding of \$1M in 2020, remaining scheduled in 2022.

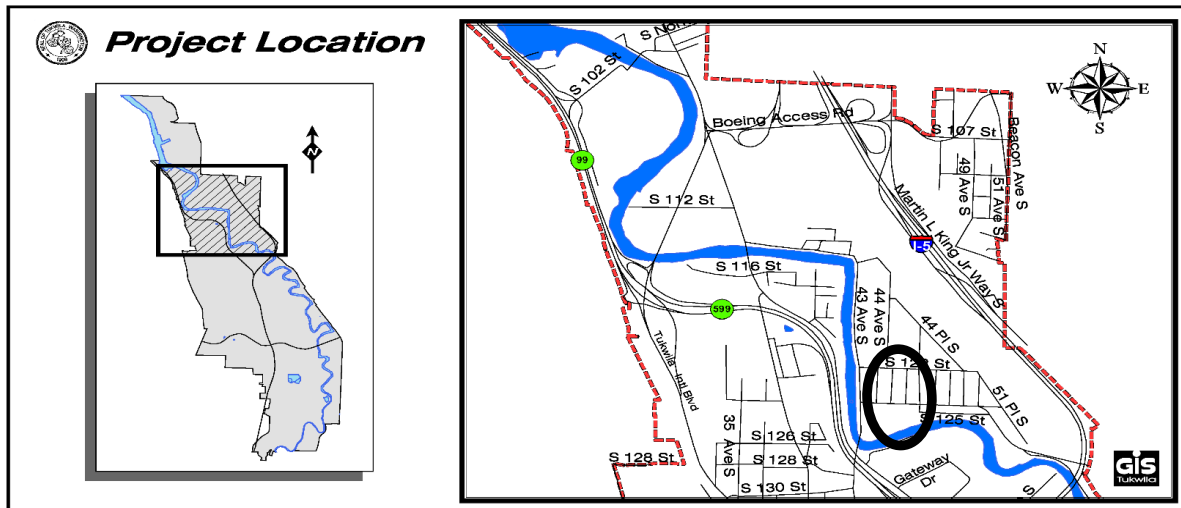
**JUSTIFICATION:** The current bridge has a sufficiency rating of 7.6 (out of 100), is load restricted for AASHTO Type 3 trucks and is structurally deficient. Truck speed was reduced to 15 mph in 2018.

**STATUS:** In 2017 and 2019, Bridge Replacement Advisory Committee (BRAC) funding was submitted, but not awarded. Staff will apply for future BRAC funding during the next call. Applying for STP funding in 2020 for \$1.5m for design.

**MAINT. IMPACT:** New bridge.

**COMMENT:** STP funding has 13.5% match requirement. BRAC funding would be at 80% match for up to \$12 million. Project partners may include FMSIB & BNSF Railroad as they have over 1,800 trips a day on the 42nd Ave S Bridge and it is the only ingress/egress available for their intermodal yard. Also State TIB for \$3M.

FINANCIAL (in \$000's)	Through		Estimated							TOTAL
	2019	2020	2021	2022	2023	2024	2025	2026	BEYOND	
<b>EXPENSES</b>										
Design	19	200	878	248	2,355					3,700
Land (R/W)					200					200
Const. Mgmt.					288	1,380	1,390			3,058
Construction						9,500	9,500			19,000
<b>TOTAL EXPENSES</b>	<b>19</b>	<b>200</b>	<b>878</b>	<b>248</b>	<b>2,843</b>	<b>10,880</b>	<b>10,890</b>	<b>0</b>	<b>0</b>	<b>25,958</b>
<b>FUND SOURCES</b>										
Awarded PSRC Grant				248	1,252					1,500
Awarded WSDOT Grant					302	5,698	6,000			12,000
Proposed Grants						5,000	3,429			8,429
Solid Waste Utility Tax			650	700	700	710	720	549		4,029
City Oper. Revenue	19	200	228	(700)	589	(528)	741	(549)	0	0
<b>TOTAL SOURCES</b>	<b>19</b>	<b>200</b>	<b>878</b>	<b>0</b>	<b>1,289</b>	<b>10,880</b>	<b>10,890</b>	<b>0</b>	<b>0</b>	<b>25,958</b>



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FINANCIAL (in \$000's)	Through Estimated									TOTAL
	2019	2020	2021	2022	2023	2024	2025	2026	BEYOND	
<b>EXPENSES</b>										
Design	19	200	878		1,252					2,349
Land (R/W)					30					30
Const. Mgmt.					250	1,650	1,650			3,550
Construction						7,800	7,800			15,600
<b>TOTAL EXPENSES</b>	<b>19</b>	<b>200</b>	<b>878</b>	<b>0</b>	<b>1,532</b>	<b>9,450</b>	<b>9,450</b>	<b>0</b>	<b>0</b>	<b>21,529</b>
<b>FUND SOURCES</b>										
Awarded Grant										0
Proposed BRAC Grant						6,000	6,000			12,000
Proposed STP Grant						1,000	1,000			2,000
Proposed TIB						1,500	1,500			3,000
Proposed FMSIB							500			500
Solid Waste Utility Tax			650	700	700	710	720	549		4,029
City Oper. Revenue	19	200	228	(700)	832	240	(270)	(549)	0	0
<b>TOTAL SOURCES</b>	<b>19</b>	<b>200</b>	<b>878</b>	<b>0</b>	<b>1,532</b>	<b>9,450</b>	<b>9,450</b>	<b>0</b>	<b>0</b>	<b>21,529</b>

