



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: **February 4, 2022**
SUBJECT: **42nd Ave South Bridge Replacement Project**
Project No. 91810404
National Highway Freight Program (NHFP) Grant Application

ISSUE

Approval to submit a grant application to the National Highway Freight Program (NHFP) for the 42nd Ave S Bridge Replacement Project in the amount of \$2,000,000.

BACKGROUND

The 42nd 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 42nd 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 42nd Ave S Bridge replacement.

The 42nd Ave S Bridge Replacement Project is estimated to be approximately \$4-10 million short of being fully funded. The City continues to apply for local, state, and federal funding opportunities to fill this funding gap.

DISCUSSION

On January 18, 2022, the Puget Sound Regional Council opened their call for project for NHFP funding. The NHFP is a federal funding source for projects within the boundaries of public or private freight rail that facilitate direct interchange, transfer, and access to a freight rail yard. Funds can be used for design, construction, or right of way. The deadline to submit an application for funding is March 4, 2022.

FINANCIAL IMPACT

The City is requesting \$2 million from the NHFP grant to fund construction of the 42nd Ave S Bridge project. This grant requires a 13.5% local City match of \$306,450. The Solid Waste Utility Tax budgeted for this project is more than sufficient to cover the match.

| <u>Fund Source</u> | <u>Amount</u> | <u>2022 Solid Waste Utility Budget</u> |
|---------------------------|----------------------|---|
| NHFP Grant | \$2,000,000 | \$700,000 |
| 13.5% City Match | <u>306,450</u> | |
| Total | \$2,306,450 | |

RECOMMENDATION

The Transportation and Infrastructure Services Committee is being asked to approve the National Highway Freight Program grant application for the 42nd Ave S Bridge Replacement Project.

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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 | | | | | | | BEYOND | TOTAL |
|---------------------------|-----------|------------|------------|----------|--------------|--------------|--------------|----------|----------|---------------|-------|
| | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | | | |
| EXPENSES | | | | | | | | | | | |
| 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 | |
| TOTAL EXPENSES | 19 | 200 | 878 | 0 | 1,532 | 9,450 | 9,450 | 0 | 0 | 21,529 | |
| FUND SOURCES | | | | | | | | | | | |
| 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 | |
| TOTAL SOURCES | 19 | 200 | 878 | 0 | 1,532 | 9,450 | 9,450 | 0 | 0 | 21,529 | |

