


COUNCIL COMMUNICATION

	Number:	18-627	Meeting:	November 19, 2018
	Agenda Item:	8	Roll Call:	18-1894
	Submitted by:	Steven L. Naber, P.E., City Engineer		

AGENDA HEADING:

Authorizing submittal of Federal Surface Transportation Block Grant (STBG) and Transportation Alternative Program (TAP) fund Fiscal Year (FY) 2023 applications to the Des Moines Metropolitan Planning Organization (MPO).

SYNOPSIS:

The MPO is soliciting project applications for STBG and TAP funds for FY 2023. City staff recommends that the City submit applications for several projects, as listed below.

STBG Funds

1. Walnut Street Bridge over the Des Moines River (Bridge Repair/Replacement)
2. Grand Avenue – Martin Luther King Parkway to 28th Street (Maintain/Optimization)
3. Southeast Connector – SE 30th Street to US 65 Beltway (Roadway Project)
4. Intelligent Transportation Systems Upgrade (Maintain/Optimization)

TAP Funds

1. Carlisle Trail Connection

FISCAL IMPACT:

Amount: Local matching funds for the following projects are included in the 2018-19/2022-23 CIP or will be included in future CIPs if the applications are successful.

Funding Source:

STBG Funds

1. Walnut Bridge over the Des Moines River

Surface Transportation Block Grant Funds Requested	\$2,400,000
Federal Funds Previously Received	\$2,000,000
Total Project Cost	\$11,000,000

2. Grand Avenue Pavement Rehabilitation—Martin Luther King Jr Parkway to 28th Street

Surface Transportation Block Grant Funds Requested	\$500,000
Total Project Cost	\$1,500,000

3. Southeast Connector – SE 30th Street to US 65 Beltway

Surface Transportation Program Funds Requested	\$4,000,000
Total Project Cost (2-lane)	\$41,000,000

4. Intelligent Transportation Systems Upgrade

Surface Transportation Block Grant Funds Requested	\$1,000,000
Federal Funds Previously Received	\$500,000
Total Project Cost	\$12,500,000

TAP Funds

1. Carlisle Trail Connection

Transportation Alternatives Program Funds Requested	\$800,000
Federal Funds Previously Received	\$400,000
Total Project Cost	\$3,000,000

ADDITIONAL INFORMATION:

- The MPO will award STBG Program and TAP funds to critical transportation projects throughout the region. The MPO is soliciting project applications for STBG and TAP for FY 2023. The applications must be submitted to the MPO by December 7, 2018.
- The MPO has established four (4) major categories of STBG projects: (1) Roadway Projects, (2) Bridge Repair/Replacement, (3) Maintaining / Transportation Optimization, (4) Transit.

STBG Project Applications

- Staff has reviewed several potential STBG projects and recommends the following projects be submitted for FY 2023 STBG funding:

1. Walnut Street Bridge over the Des Moines River

This project provides for the replacement of the existing bridge. Due to extensive deterioration, a new bridge was found to be the most cost-effective solution. The replacement bridge is planned to be a standard replacement structure with higher level aesthetic enhancements, similar to the new Grand Avenue and Locust Street bridges. The estimated project cost is \$11,000,000. The City plans to request \$2,400,000 of FY 2023 funds. Previously, STP funds in the amount of \$2,000,000 (FY 2021) were awarded.

2. Grand Avenue Pavement Rehabilitation– Martin Luther King Parkway to 28th Street

This project consists of pavement repair and resurfacing on Grand Avenue from Martin Luther King Jr. Parkway to 28th Street. The estimated project cost is \$1,500,000. The City plans to request \$500,000 of FY 2023 funds.

3. Southeast Connector – SE 30th Street to US 65 Beltway

This project consists of construction of the Southeast Connector on a new alignment from SE 30th Street to the US 65 Beltway, connecting at the existing interchange with Vandalia Road. The project will include property acquisition and grading for the full 4-lane divided roadway and construction of a 2-lane facility, consistent with the current roadway between SE 15th and SE 30th Streets. The City of Pleasant Hill will also be included on this application, since a portion of the facility will be within their city limits. The estimated project cost is \$41,000,000. The City plans to request \$4,000,000 of FY 2023 funds. Previously awarded STP funds in the amount of \$7,932,000 (FY 2017-2020) were transferred to construction of the Pleasant Hill Boulevard and Vandalia Road Intersection Project.

4. Intelligent Transportation Systems Upgrade

This project consists of updating the City's traffic signal controllers, central management software, transportation communication system, and video observation camera system. The estimated project cost is \$12.5 million. The City plans to request \$1,000,000 in FY 2023 funds. Previously, STP funds in the amount of \$500,000 (FY 2022) were awarded.

TAP Project Applications

- Staff has reviewed several potential TAP projects and recommends the following projects be submitted for TAP funding:

1. Carlisle Trail Connection

This project includes constructing a new trail section between the Easter Lake Spine Trail and the southern limit of the City of Des Moines to tie into the existing City of Carlisle Trail. This segment has long been recognized as a critical gap in the regional trail system, because it is the final segment needed to connect the Summerset National Recreation Trail in Indianola to Saylorville Lake and beyond to the north. The new trail will be a 10-foot wide asphalt section, approximately 2.5-miles in length. The project is estimated to cost \$3,000,000. The City plans to request \$800,000 in FY 2023 TAP funds. Previously, TAP funds in the amount of \$400,000 (FY 2022) were awarded.

- Each MPO funding application for STBG funds must provide assurance that the sponsor will adequately maintain the completed project for its intended public use for a minimum of 20-years following completion.

PREVIOUS COUNCIL ACTION(S): NONE

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Approval of project agreements with the Iowa Department of Transportation (IDOT).

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