



TO: Mayor Shaun Sipma
Members of the City Council

FROM: Lance Meyer, P.E., City Engineer

DATE: September 8, 2020

SUBJECT: BURDICK EXPRESSWAY MAJOR REHABILITATION CPM AGREEMENT (4394)

I. RECOMMENDED ACTION

1. Recommend council approve the CPM agreement with the NDDOT
2. Authorize the mayor to sign the agreement

II. DEPARTMENT CONTACT PERSONS

Lance Meyer, City Engineer	701-857-4100
Emily Huettl, Assistant City Engineer	701-857-4100

III. DESCRIPTION

A. Background

Burdick Expressway is planned to have a mill and overlay take place in 2021. The project will include pavement mill and overlay from the Burdick Viaduct west to 1st St SW and Valley St from Burdick south to the edge of concrete pavement. Pedestrian ramps will be installed at all intersections. In addition, the pedestrian signal at 1st St SE will be replaced with a new pedestrian signal. Lastly, the traffic signals will be replaced at Main St, 3rd St, and Valley St.

B. Proposed Project

The NDDOT has issued a cost participation and maintenance agreement (CPM) to the City for this project which breaks down the funding and responsibilities for each entity. The agreement for this project follows the standard language that has been used in other NDDOT projects. Staff is agreeable to the requirements set forth by the NDDOT.

C. Consultant Selection

The NDDOT has selected Apex Engineering Group by qualifications based selection. Staff will be bringing a contract forward with Apex to perform engineering services on this project for city related items that are included in the construction work, but ineligible for NDDOT payment.

IV. IMPACT:

A. Strategic Impact:

Burdick Expressway has a low PCI rating and the corridor is in need of a complete reconstruction several years from now. This maintenance overlay will allow the NDDOT and City time to program a reconstruction project in the future.

B. Service/Delivery Impact:

After the project is completed the ride quality of the pavement will significantly improve. The new pedestrian signal will allow for a safer and more reliable crossing at Burdick/1st St SE. The corridor will be ADA compliant. The traffic signals will be new and able to be programmed for optimal traffic flow.

C. Fiscal Impact:

The overall cost of this project is estimated to be \$2,074,510. The cost includes construction, engineering, right of way, and a 10% contingency. The City's portion of the project cost is estimated to be \$963,065. The majority of the project cost is related to the traffic signal replacement, which is 100% funded by the City.

In the proposed 2021 budget, the city has allocated \$1,148,250 for this project. The funding is coming from Hub City funds (\$350,000) and the remaining funds are coming from traffic signal capital equipment funds.

V. ALTERNATIVES

Council could choose not to move forward with this project by not approving the CPM agreement. However, the road and signals are in very poor condition and the work must be done soon.

VI. TIME CONSTRAINTS

The project will be bid in November through the NDDOT. A timely approval by the City will keep the project on track.

VII. LIST OF ATTACHMENTS

- A. CPM Agreement