



TO: Mayor Shaun Sipma
Members of the City Council

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

DATE: August 19, 2019

**SUBJECT: BURDICK EXPRESSWAY MAJOR REHABILITATION NDDOT PE AGREEMENT
(4394)**

I. RECOMMENDED ACTION

1. It is recommended that the council approve the agreement with the NDDOT and authorize the Mayor to sign the agreement.

II. DEPARTMENT CONTACT PERSONS

Lance Meyer, City Engineer	701-857-4100
Stephen Joersz, Traffic 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.

B. Proposed Project

The project will be funded with federal funds. Thus, the NDDOT requires the City to sign a professional engineering (PE) agreement with the NDDOT. The agreement allows the City and NDDOT to cost share in PE related costs to develop the project.

The only major stipulation in the agreement states that if the city unilaterally and voluntarily terminates the agreement, the city is responsible for all engineering costs associated with the project.

Since the city has requested this project be constructed by the NDDOT, it would be unlikely the city would terminate the agreement. If the city would terminate the agreement, the city would have to pay the NDDOT for costs incurred or the funds would be subtracted from our State Highway Tax Distribution Fund or future funds.

C. Consultant Selection

Apex Engineering Group was selected by the NDDOT to perform the PE services for this project.

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.

C. Fiscal Impact:

The funding for this project will be split 90/10 with the federal/state share picking up 90% of the project cost and the City picking up 10% of the project cost. The project is listed in the CIP as E-2.

Project Costs

The project is at the concept stage currently, so individual costs are only estimated and are as follows:

Construction:	\$1,492,200
<u>Engineering:</u>	<u>\$ 365,800</u>
Total:	\$1,858,000

Project Funding

Federal Funds:	\$1,341,819
Hub City:	\$ 400,000
<u>Cash Reserves:</u>	<u>\$ 116,181</u>
Total:	\$1,858,000

V. ALTERNATIVES

Council could choose not to enter into the PE agreement. This would cancel the project with the NDDOT and the federal funds would be re-programmed to another City. The project would have to be 100% funded by the City.

VI. TIME CONSTRAINTS

The NDDOT needs the agreement to be executed as soon as possible to begin the necessary engineering on this project.

VII. LIST OF ATTACHMENTS

- A. PE Agreement