



TO: Mayor Shaun Sipma
Members of the City Council

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

DATE: 4/5/2021

SUBJECT: **16th ST SW & 37th AVE SW MILL & OVERLAY ENGINEERING SELECTION
(4592)**

I. RECOMMENDED ACTION

1. Recommend council select Moore Engineering, Inc. to perform all consulting engineering for this project.
2. Recommend council authorize the City Engineer to negotiate a scope and fee for services.
3. Recommend council authorize the Mayor to sign the contract.

II. DEPARTMENT CONTACT PERSONS

Lance Meyer, City Engineer	857-4100
Jesse Berg, Project Manager	857-4100

III. DESCRIPTION

A. Background

16th St SW and 37th Ave SW were constructed in 2006 under this same NDDOT program. These corridors are showing signs of aging, such as rutting, cracking, and trench settlement. As part of the typical lifespan of an asphalt roadway, 16th St SW and 37th Ave SW are in need of a mill and overlay to correct pavement deficiencies.

These corridors are classified as minor arterials and are listed in the city's urban road network. 2020 traffic counts for these corridors were as follows: 16th St SW 14,560 and 37th Ave SW 9,275.

B. Proposed Project

Because the project is programmed for 2022 construction, now is the time to start the necessary environmental clearance, preliminary, and design engineering for this project. Staff has programmed \$250,000 in the capital improvements plan to start the engineering work.

The proposed project includes mill and overlay, spot patch repair, roadway leveling, valley gutter replacement, ADA improvements and street light LED conversion. The utilities located within these two corridors are in good condition, only surface issues such as manhole and gate valve box adjustments and/or replacements are anticipated.

In 2020, an estimated project construction cost was developed at \$2.5 million of which \$2.0 million will be covered with a federal cost share. We estimate the City's construction cost share to be \$0.5 million plus engineering and other related costs.

C. Consultant Selection

Moore Engineering, Inc. (Moore) was selected using a competitive qualifications based selection. A committee consisting of Alderman Pitner, the City Traffic Engineer, Civil Engineering Specialist, the Street Superintendent, and the Engineering Project Manager ranked written proposals from three firms. All three firms were selected for the interview round of the selection process. The committee interviewed the three firms and selected Moore as the most qualified firm to perform the scope of services. Ackerman-Estvold and Apex Engineering Group were also interviewed.

IV. IMPACT:

A. Strategic Impact:

16th St SW and 37th Ave SW are strategic corridors for the City. They are classified as minor arterials, which means these roads are designated to carry a large volume of traffic to and from other arterials. Trinity Hospital is scheduled to be completed at the end of 2022 and opening to the public in 2023. The City wants well maintained roadways leading to this facility.

B. Service/Delivery Impact:

During construction, one lane of traffic in each direction will be maintained. Emphasis will be made to maintain access to residential neighborhoods and business along the work zone.

C. Fiscal Impact:

<u>Project Costs</u>	
Estimated Construction Cost	\$2,273,000
10% Contingency	\$ 227,000
Engineering	\$ 450,000
Right of Way/Easements/Permitting/Admin	<u>\$ 75,000</u>
Total	\$3,025,000

The costs above are purely estimates at this time with only high-level engineering completed. With an estimated \$2.0 million available in federal funds, the City’s cost share will be approximately \$1.025 million.

The City’s cost share is programmed to come from the following funds:

2021 HUB City	\$ 250,000
2022 Capital Infrastructure Cash Reserves	\$ 775,000

V. ALTERNATIVES

Alt 1. The Council could select another firm from the interview round of the process. A finding would have to be made as to why the other firm is more qualified.

Alt 2. The Council could cancel the project and not select an engineering firm.

VI. TIME CONSTRAINTS

Once council proceeds with selecting an engineering firm, the work will begin to design the project.

VII. LIST OF ATTACHMENTS

N/A