

MEMORANDUM

TO Dan Roadt, Chair, Board of Public Works
Vince Vitale, First District
Tracy Stefanski, Second District
Suzzette Gisham, Third District
Rosalie Reinke, Fifth District

FROM Peter C Daniels, P.E., City Engineer

DATE May 18, 2021

RE: **Communication from City Engineer regarding the Ws DOT bid opening for the installation of new traffic signals at three intersections along Lincoln Avenue at S 71st Street, S 76th Street and S 84th Street**

The Ws DOT low bid for the installation of new traffic signals and resurfacing of Lincoln Avenue at S 71st Street, S 76th Street and S 84th Street came in at \$1,535,689.45 from Payne & Dolan, Inc. compared to the Engineer's estimate of \$1,809,318.75. Here are the bid numbers:

\$1,535,689.45	Bid from Payne & Dolan, Inc.
<u>\$230,353.42</u>	Fees for Inspection by Consultant Community Engineering
\$1,766,042.87	Total Cost
<u>\$1,478,089.45</u>	Federal Funds Allocated to City
\$287,953.42	Total City Cost

The cost of the storm sewer work will be \$53,034.38 under budget; the cost of the traffic signals and pavement will be \$130,263.33 under budget; the cost of the sanitary sewer work will be \$32,716.75 over budget, and the cost of the water main work will be \$5,500.00 over budget. Fortunately the bids from other recent projects, which were under budget, will provide the sanitary sewer funds and water utility funds needed to be shifted to this project.

This project will improve W Lincoln Avenue at the signalized intersections of S 71st, S 76th, and S 84th Streets that have experienced a high number of vehicle crashes due to the lack of exclusive left-turn lanes and limited visibility of the existing horizontal traffic signal head configuration. Pedestrian and bicycle crashes have occurred at each of the intersections, partially attributed to lack of count down timers and deteriorated crosswalk markings. Several curb ramps do not have detectable warning fields or pedestrian push buttons.

To increase safety, left-turn lanes will be added on W Lincoln Avenue at the three project intersections within the existing roadway curbs. Overhead traffic signals will be installed to provide one signal head per travel lane to increase visibility and reinforce

permitted vehicular movements. Crosswalks will be reconstructed to provide accessible facilities in compliance with the Americans with Disabilities Act (ADA). High visibility crosswalk markings will increase driver detection of pedestrians. The W Lincoln Avenue asphalt pavement will receive a mill and overlay to extend the pavement's service life. In addition to the improvements on W Lincoln Avenue, the 76th Street north approach pavement will also receive a mill and overlay for approximately 150 feet.