



City of Olathe

COUNCIL AGENDA ITEM

MEETING DATE: 1/22/2019

DEPARTMENT: Public Works

STAFF CONTACT: Mary Jaeger/Beth Wright

SUBJECT: Authorization of the 2019 Traffic Signals Project, PN 3-TS-000-19.

ITEM DESCRIPTION:

Consideration of Resolution No. 19-1008 authorizing the 2019 Traffic Signals Project, PN 3-TS-000-19

SUMMARY:

This annual project is in place to install new traffic signals or to replace existing traffic signals that have been identified through an inspection process to be in poor condition or beyond their useful life. This project also includes the replacement of traffic signal LED indicators over a 3-year period (2018-2020).

This project includes the replacement of the existing traffic signal at the 151st Street and Lennox Drive, installation of a new traffic signal at the intersection of 175th Street and Lone Elm Road, and replacement of traffic signal LED indicators. Installation or replacement of traffic signal conduits, controllers, control boxes, mast arms, poles, attached equipment and other necessary equipment may be included at additional locations to address modifications needed to improve traffic flow and operations.

The traffic signal at the intersections of 151st Street and Lennox Drive was installed in 1980 and is at the end of its useful life of 25 to 30 years. This signal has conduits and poles in poor condition and mast arms with wear due to fatigue. The proposed traffic signal at 175th Street and Lone Elm Road is a new signal and meets traffic signal warrants due to traffic volumes and crash history. Both projects include installation or replacement of the traffic signal conduits, controllers, control boxes, mast arms, poles, and attached equipment.

The LED indicators are present at 122 intersections and were originally installed in 2007. The indicators are already well past their 5-year warranty period and are at the end of their useful life of 8-10 years.

The estimated cost for this project is \$620,000. Costs may include design, survey, staff time, inspection services, construction, and materials.

Construction of the 151st Street and Lennox Drive signal is tentatively scheduled to begin in Summer 2019. Design for the 175th Street and Lone Elm Road signal is scheduled to be completed in 2019 and tentatively scheduled for construction in 2020.

FINANCIAL IMPACT:

MEETING DATE: 1/22/2019

Funding for the 2019 Traffic Signals Project, as approved in the 2019 Capital Improvement Plan, includes:

<u>GO Bonds</u>	<u>\$620,000</u>
Total	\$620,000

ACTION NEEDED:

Approval of Resolution No. 19-1008 authorizing the 2019 Traffic Signals Project, PN 3-TS-000-19.

ATTACHMENT(S):

- A: Resolution No. 19-1008
- B: Project Fact Sheet
- C: Project Location Map