



# City of Olathe

## COUNCIL AGENDA ITEM

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**MEETING DATE:** 1/7/2020

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**DEPARTMENT:** Public Works

**STAFF CONTACT:** Mary Jaeger/Beth Wright

**SUBJECT:** Authorization of the 2020 Traffic Signals Project, PN 3-TS-000-20.

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**ITEM DESCRIPTION:**

Consideration of Resolution No. 20-1008 authorizing the 2020 Traffic Signals Project, PN 3-TS-000-20.

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**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 year's project includes the installation of a new traffic signal at the intersection of 175<sup>th</sup> Street and Lone Elm Road and replacement of traffic signal LED indicators. Additionally, the 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 proposed traffic signal at 175<sup>th</sup> Street and Lone Elm Road is a new signal and meets traffic signal warrants due to traffic volumes and crash history. The project includes the installation of traffic signal conduits, controllers, control boxes, mast arms, poles, attached equipment, and geometric improvements. The project location is shown on the attached Project Location Map (Attachment C).

The traffic signal at 175<sup>th</sup> Street and Lone Elm Road is a joint project with Johnson County Public Works. An Inter-Local Agreement with Johnson County was approved by City Council on April 16, 2019. Under this agreement, Johnson County will pay 50% of the actual cost of construction of the improvements.

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 175<sup>th</sup> Street and Lone Elm Road signal is currently being designed and is scheduled for construction in Summer 2020.

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**FINANCIAL IMPACT:**

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Funding for the 2020 Traffic Signals Project, as approved in the 2019 Capital Improvement Plan, includes:

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

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**ACTION NEEDED:**

Approval of Resolution No. 20-1008 authorizing the 2020 Traffic Signals Project, PN 3-TS-000-20.

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**ATTACHMENT(S):**

- A: Resolution
- B: Project Fact Sheet
- C: Project Location Map - 175<sup>th</sup> and Lone Elm