



City of Olathe

COUNCIL AGENDA ITEM

MEETING DATE: 3/3/2020

DEPARTMENT: Public Works

STAFF CONTACT: Mary Jaeger / Beth Wright

SUBJECT: Report on authorization of the 135th Street and Pflumm Road Geometric Improvements Project, PN 3-C-110-20.

ITEM DESCRIPTION:

Report on the authorization of the 135th Street and Pflumm Road Geometric Improvements Project, PN 3-C-110-20.

SUMMARY:

This project is needed to improve capacity, reduce delays and increase safety at the intersection. This project will include dual left turn lanes for all directions of traffic and right turn lanes for three of four directions; westbound traffic has an existing right turn lane. Additional improvements include filling gaps in the sidewalk along 135th Street which will improve safety and connectivity with California Trails Middle School. This is a joint project with the City of Overland Park that will be administered by the City of Olathe.

48 accidents occurred at this intersection between 2017 and 2019 resulting in a crash rate of 11.66 crashes per 10 million vehicles entering the intersection (10-12 is average). Average daily traffic volume at the intersection is 37,600 vehicles. The addition of the turn lanes will reduce intersection delay by approximately 14.8 hours per day, primarily in the PM peak hour (reduction of 4.6 hours for eastbound traffic and 8.2 hours for southbound traffic). Improved travel time and reduced congestion is consistently identified as a top priority in the Direction Finder's Survey.

The estimated cost for these improvements is \$3,870,000. This includes preliminary and final design, utility relocations, land acquisition, staff time, inspection and construction.

The project has been awarded federal Congestion Mitigation and Air Quality (CMAQ) program funds, through the Mid-America Regional Council's (MARC) competitive funding process, in the amount of \$1,200,000 for construction of the project. CMAQ funds are only awarded to transportation projects that improve air quality. Overland Park will be responsible for 40% of the cost to design, administer and construct the project. Overland Park will be responsible for acquisition of land within their city limits for the project and the estimated cost to do so is not included in the proposed project budget.

This project is tentatively scheduled for design in 2020, land acquisition in 2020/2021, utility relocations in 2021 and construction in 2022.

FINANCIAL IMPACT:

Project funding for 135th Street and Pflumm Road Geometric Improvements Project includes:

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Federal CMAQ Funds	\$1,200,000
Overland Park	\$ 844,000
<u>GO Bonds</u>	<u>\$1,826,000</u>
Total	\$3,870,000

ACTION NEEDED:

No action is requested at this time. Staff will return to Council on March 17 to request approval to authorize the project.

ATTACHMENT(S):

- A. Project Location Map
- B. Project Fact Sheet
- C. CIP Sheet