



REPORT TO: CITY COUNCIL

MEETING DATE: AUGUST 3, 2020

<p>Agenda Item:</p>	<p>8c. CC-20-129</p>
<p>Background / Issue:</p>	<ul style="list-style-type: none"> • The pavement management (PM) program is a systematic process for inspection, evaluation, planning, improvements, maintenance and rehabilitation of the City’s transportation network. • Funding for the program is by the ½ cent sales tax dedicated exclusively to funding the program. • The FY20 pavement management program is funded by dollars collected during FY20, July 1, 2019 – June 30, 2020. • In selecting recommended projects, staff performs an engineering analysis of available strategies for a particular segment given the following: <ul style="list-style-type: none"> ○ pavement conditions per the pavement management inventory, ○ coordination with other projects (utility, private development and road projects from other governmental jurisdictions), ○ traffic volumes and, ○ field inspections.
<p>Proposal/Solution:</p>	<p>Of the available strategies, staff is proposing to use the following for FY20.</p> <ul style="list-style-type: none"> • Crack Sealing <ul style="list-style-type: none"> ○ Various Locations • Diamond Grind <ul style="list-style-type: none"> ○ McElroy Ave. - Perkins Rd. to Jardot Rd. ○ Hall of Fame Ave – Washington St. to Knoblock St. • Micro-surfacing <ul style="list-style-type: none"> ○ N. Boomer Rd.- McElroy Ave. to Washington St. ○ Hall of Fame Ave. – Knoblock St. to Duck St. • 2” Mill & Overlay <ul style="list-style-type: none"> ○ Duck St. - 6th Ave. to Eskridge Ave. ○ Husband- Elm Ave. to Hall of Fame Ave.

- Full Depth Repair
 - Various Locations
- Full reconstruction
 - Park St & Harned Ave. – Industrial area SW of Perkins Rd. and Airport Rd.
 - 7th Ave. - Main St. to Lewis St.
 - Monticello Dr. – University Ave. to Walnut St.

Attached documents include further detail and a location map on the recommended projects. Please note the low rankings of Monticello Drive. This is the lowest rated local street in the system. This street is located in an area where Water Utilities Engineering (WUE) has a project to replace the water and sewer lines. Transportation and WUE are coordinating the design efforts.

Key Performance Indicator 1 for City Engineering is to track the Pavement Management Index (PMI). The table below shows the predicted PMI for each of the three street classifications, arterial, collector and local. It also shows the predicted overall PMI for the street network as well as the measured PMI in 2017. The target PMI for the entire system is 75-78.

	Pavement Management Index		
	2017 IMS Study	Completion of Current Projects	FY20 Plan
Arterials		77	82
Collectors		74	74
Locals		64	64
Overall	70	68	69

Financial Impact/Funding Source(s):

Funding for the program is 100% from the ½ cent sales tax fund.

Following is a breakdown of the estimated costs by category:

- Crack Sealing \$ 200,000.00
- Diamond Grind 777,500.00
- Micro-surfacing 234,000.00
- 2" Mill & Overlay 970,500.00
- Full Depth Repair 350,000.00
- Full reconstruction 1,606,000.00
- Engineering & Testing 125,000.00
- Contingency 337,000.00
- Total \$4,600,000.00

Related Strategic Priority:

#4 Place & Mobility: To develop a strong sense of place that recognizes the interconnectedness of people, buildings and public systems (such as transportation, utilities and parks) that best serve the needs of the public.

5 Quality of Life: To develop partnerships that create a high quality of life with equal access to services and amenities; strong and connected neighborhoods; and a healthy economy and business atmosphere that align with community values.

Recommended Action/Motion:

Motion to approve the proposed FY20 Pavement Management with a final aggregate cost of all the projects not to exceed \$4.6 million, authorize utilization of the Master Service Agreements as needed in the design of the projects, and approve the attached budget amendment.

Prepared By:

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Reviewed By:

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Submitted By:

Norman McNickle, City Manager

Attachment(s):

FY20 Pavement Management Project Budget Detail
FY20 Pavement Management Project Map