

**City of Sedgwick
City Council Meeting
May 1, 2024**

TO: Mayor and City Council

SUBJECT: 2024 Street Preservation Program

INITIATED BY: Administration

AGENDA: New Business

Recommendation: Approve the 2024 Street Preservation Program

Background: The bid letting for the 2024 Street Preservation Program was held on Friday, April 19th with a total of two vendors submitting proposals. This year, the focus of the program was on crack sealing, resurfacing, and repairs to dilapidated concrete aprons and asphalt roadways. The vendors who submitted pricing gave two options for resurfacing techniques.

1. Slurry seal: Historically utilized technique here, this application utilizes a mixture of water, asphalt emulsion, aggregate, and additives to an existing asphalt pavement surface. This technique is applied to help preserve and protect the underlying pavement structure on roadways that have slight to moderate distress, now rutting, and generally narrow crack widths. Once applied, this technique enhances the roadway for an additional five to seven years.

2. Chip seal: A two-step process which includes an application of asphalt emulsion and then a layer of crushed rock to an existing asphalt pavement surface. This technique typically sees more aggregates applied to the surface which tends to make the process dustier than other techniques. Chip seal is utilized on roadways which have moderate block cracking, no rutting, and an acceptable ride quality. Once applied, this technique enhances the surface for an additional seven to ten years.

2024 Street Preservation Program			
Street	From	To	Project
Commercial Ave.	1st	5th	Slurry Seal or Chip Seal
Washington	1st	8th	Crack Sealing
5th	Commercial Ave.	Madison	Crack Sealing
3rd	Commercial Ave.	Madison	Crack Sealing
Franklin	1st	5th	Crack Sealing
2nd	Commercial Ave.	Madison	Crack Sealing + Slurry Seal or Chip Seal
2nd	Commercial Ave.	Commercial Ave.	Concrete Repair Apron on East and West Side of Commercial Ave.
Jefferson	1st	4th	Crack Sealing + Slurry Seal or Chip Seal
			Asphalt Patching: Jefferson, 206 W. 8 th , 108 W. 8 th , 104 W. 8 th .

Analysis: Staff has done research on the chip sealing process and found that the neighboring communities tend to shy away from this process due to the dust it creates during the application period and the amount of aggregate buildup in the guttering over time.

Roadways that will be resurfaced this year will undergo crack sealing prior to the application process. The bid tabulation for the 2024 Street Preservation Program is attached.

Financial Considerations: Current funding for the 2024 Street Preservation Program totals approximately \$170,424. It is anticipated that the half cent sales tax will generate an additional \$108,000 by December 31st. This additional funding could be carried over during the year end transfers or be utilized later in the year for additional repairs.

Recommendations/Actions: As council desires

Attachment: Bid Tabulation

2024 Street Preservation Program Bid Tabulation		
Company	Preservation Method	Total Pricing
South Central Sealing & Paving	Option 1: Slurry Seal, Crack Sealing, Concrete Apron Replacement	\$94,773.24
Circle C Paving	Option 2: Chip Seal, Crack Sealing, Concrete Apron Replacement	\$84,597.75
Pearson Construction	Asphalt Patching	\$12,525.00

Option 1 + Asphalt Patching: \$107,298.24

Option 2 + Asphalt Patching: \$97,122.75