


COUNCIL COMMUNICATION

 CITY OF DES MOINES OFFICE OF THE CITY MANAGER	Number:	22-321	Meeting:	July 18, 2022
	Agenda Item:	47	Roll Call:	22-1165
	Submitted by:	Jonathan A. Gano, P.E., Public Works Director		

AGENDA HEADING:

Request to rent the Craftco Wide Crack Sealer and purchase the sealant from Logan Contractor Supply, Bruce Logan, President, \$18,000 rental, \$89,250 material, total \$107,250.

SYNOPSIS:

Recommend approval to rent a wide crack sealer for four (4) months and purchase 105,000 pounds of material to repair wide joints on concrete paved streets.

FISCAL IMPACT:

Amount: \$107,250

Funding Source: 2022-2023 Operating Budget, Page 225, Public Works Department, Street Maintenance, S360 PW240402, Road Use Tax Fund.

ADDITIONAL INFORMATION:

- Concrete streets built in the early 2000's have an abnormally high amount of joint spalling. The wide crack sealer was invented to address these defects. Routine patching with hot mix asphalt results in a bumping finished product.
- By using the wide crack sealer, the entire joint is filled at once and with one (1) smooth surface. Some sealed cracks have been in place for more than three (3) years without additional service. This extends the life cycle of the street more than traditional pothole patching.
 - Rental cost \$4,500 per month (July – October)
 - Material cost \$0.85 per pound
- This sealing will reduce the need to complete concrete pavement restoration on the affected streets. The wide crack sealing material costs approximately \$1 per linear foot to repair a joint. Concrete material for the same joint would cost \$4 per linear foot.

PREVIOUS COUNCIL ACTION(S): NONE

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS: NONE

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