



MEMORANDUM

DATE: June 27, 2022

TO: Honorable Mayor and City Councilmembers
Dave Perrault, City Administrator

FROM: David Swearingen, P.E. Public Works Director / City Engineer

SUBJECT: 2022 Street Maintenance Program – Public Works Costs

Budgeted Amount:	Actual Amount:	Funding Source:
\$220,000	\$397,276.37	Street Maintenance Fund

Council Should Consider

Motions to approve, table, or deny the following:

- Costs incurred by Public Works large area patching operations in the amount of \$143,801

All items need a simple majority for action unless otherwise noted.

Background/Discussion

Attachment A shows the 2022 Street Maintenance Plan which includes preservation activities such as seal coat, fog seal and crack seal that are part of the JPA Coon Rapids program. Arden Hills Public Works performed large area patching within these same areas in preparation for the other preservation activities.

When a bituminous pavement is in the advanced stages of deterioration, fatigue cracking and deteriorated joints will begin to form potholes of varying sizes. If the roadway is not programmed for rehabilitation soon after these distresses occur, an interim solution is needed. The large area patching is essentially a thin mill and overlay of the existing pavement by 1 to 2 inches in depth in deteriorated areas. For best results, the distressed areas are milled out prior to patching to create a neat, rectangular patch. Then loose material is removed and a tack coat is applied to the distressed area to facilitate bonding with the patch material. The overall purpose of

large area patching is to restore functionality to the pavement until a more substantial rehabilitation activity can occur.

Budget Impact

The 2022 Operating Budget includes funding in the amount of \$220,000 for the proposed work under the 2022 Street Maintenance Program and other annual costs related to resurfacing streets. The overage of \$177,280 will be covered with fund balance from the General Fund. At the end of 2021, the General Fund had \$279,820 more than the 50% of fund balance called for in the City’s Fund Balance Policy. The plan will be to transfer the remaining \$102,540 to the Capital Improvement (PIR) Fund at a later date.

Public Works Operations Cost:	
Milling Operations - Valley Paving	\$ 15,550.00
Curb repairs	\$ 18,291.00
Paver Rental	\$ 4,160.00
Trucking for bituminous	\$ 15,000.00
Tack Material	\$ 3,500.00
Bituminous (\$69.84/Ton)	\$ 87,300.00
Total	\$ 143,801.00

Total for 2022 Street Maintenance:	
JPA Coon Rapids Contract	\$ 253,475.37
Public Works Operations	\$ 143,801.00
Total	\$ 397,276.37

Attachments

Attachment A: 2022 Street Maintenance Map