

City Council Memorandum

To: Mayor Fasbender & City Council Members **From:** John Caven – Assistant City Engineer

Date: February 14, 2022

Item: Approve 2022 Pavement Management Projects and Authorize South Metro Joint Powers

Agreement

Council Action Requested:

The council is requested to approve the 2022 Traffic Marking Program, 2022 Crack Seal Program, 2022 Seal Coat Program and authorize South Metro Joint Powers Agreement.

Background Information:

Annually, the City of Burnsville administers a Joint Powers Agreement (JPA) for select pavement management projects. In 2021, 22 cities, counties, and townships, representing Dakota County and Scott County joined their seal coating, crack sealing, traffic marking, street sweeping, and screening quantities in effort to a gain more favorable bid price. For the nominal cost of administering the agreement, Burnsville provided the representing cities, counties, and townships the preparation of bid documents, conducted bidding services, and made recommendations for award of contract. Represented cities, counties and townships were responsible for providing their individual estimation of quantities, project maps, coordination with the contractor on timing of the project, inspection of work, approval of quantities, and processes pay estimates.

Engineering staff reviewed the five available pavement management projects and compared the specifications, timelines, and unit costs to see if our existing programs could be effectively rolled into the JPA. After careful study, it was determined the traffic marking program, crack seal program and seal coat program could successfully join the JPA without adversely compromising product quality and timing while benefiting from the lower unit costs. Consequently, by joining the JPA more faded traffic markings, for example, can be refreshed on an annual basis. The City has been a part of the JPA in since 2011 but has entered the seal coat quantities to the JPA for the first time this year.

Traffic Marking Program

The program consists of re-painting approximately 11 miles of faded centerline, fog lines, directional arrows, and symbols with appropriate yellow or white paint. Also included in the project is 9 parking lots; City Hall Public Lot, City Hall/Police Lot, Depot Lot, CP Adams Park Lot off 10th St, CP Adams Park Lot off 18th St, Dog Park, Jaycee Park, Public Works, and parking lot located under the Mississippi River bridge. The mainline striping adheres to the adopted 2007 Traffic Marking Policy and 2017 Crosswalk Policy but adds those existing streets commonly striped that contain high traffic volumes, unique geometry, or close proximity to schools.

Crack Seal Program

The program consists of crack sealing 4.6 miles of streets. Cracks greater than or equal to a quarter inch will be routed and sealed.

Seal Coat Program

The program consists of chip sealing 1 mile of roadway on 15th St from Pleasant St to Pine St. The striping will be restored back to its current pattern.

Financial Impact:

In 2022, a similar number of cities and counties (22) are anticipated in joining the JPA. Unit prices will likely increase 5-10% due to inflation. Maintaining participation in the JPA with its large bid quantities will help buffer the imminent rise in costs.

The cost estimate for the Traffic Marking Program remains below the budget amount of \$16,500. The cost estimate for the Crack Seal Program remains below the budget amount of \$15,000. These two programs will be paid out of the Street Marking Budget and Upkeep to Grounds budget respectively, with the Parks Department paying for the parking lot re-striping at City parks. The Seal Coat Program estimates to be \$24,600 and paid by the 2021-1 Infrastructure Improvement project funds. Costs estimates include the 1.5% project administration fee paid to Burnsville for administering the bid process.

Attachments:

2022 Traffic Marking Program Maps (1) 2022 Crack Seal Program Maps (3) 2022 Seal Coat Program Map (1)









