

City Council Item

March 13, 2023



Item	Resolution 2023-XX: Approve Plans and Specifications and Authorize Advertisement for Bids for the 2023 City Pavement Rehabilitation Project No. 23-01	
File No.	ENG Project No. 23-01 CIP No. ST-012	Item No: E.8
Agenda Section	<u>CONSENT AGENDA</u>	
Prepared By	George Bender, Assistant City Engineer	
Reviewed By	Charlie Howley	

<u>SUGGESTED ACTION</u>	
"The Chanhassen City Council adopts a resolution approving the plans and specifications and authorizing publication of an advertisement for bids for the 2023 City Pavement Rehabilitation Project No. 23-01."	
Motion Type	Simple Majority Vote of members present
Strategic Priority	Asset Management

SUMMARY

Approve the construction documents and authorize an advertisement to bid the project.

BACKGROUND

As part of the overall Pavement Management Program (PMP), the city annually plans to rehabilitate a section or sections of public streets across the city. The Five-Year Capital Improvement Plan (CIP) identifies the near-term streets for rehabilitation.

Key dates and items relative to this project:

- On September 27, 2022, the Engineering Department released a Request for Proposals (RFP) for design and construction services for the project.
- On October 24, 2022, the City Council approved a consultant contract with Bolton & Menk, Inc. for design and construction services for the project.
- On January 23, 2023, The City Council accepted the feasibility study and called for a Public Hearing on February 13, 2023.
- On February 1, 2023, the Engineering Department hosted an open house meeting relative to all project areas.
- On February 13, 2023, the City Council conducted a Public Hearing (known as the Improvement Hearing) and authorized the preparation of plans and specifications for the project.

DISCUSSION

Staff utilized the City's Pavement Management Program and site investigations to determine the project areas and limits as shown in the attached 5-year CIP map. None of these neighborhood areas have had major rehabilitation performed after the original urbanized street construction. Only minor maintenance activities such as pothole patching, crack sealing, and seal coating have been performed.

The Ches Mar Drive and Bramble Drive areas are shown on the map as mill and overlay rehabilitations. Since the map was created these areas have been studied and determined to be better suited for rehabilitation via a full-depth reclamation process. As a result of this determination, these two areas have been moved from the 23-04 (mill and overlay) project to the 23-01 (full-depth reclamation) project.

The seven project areas currently associated with the 23-01 City Pavement Rehabilitation project are listed below:

- Curry Farms/Mulberry Circle area
- Creek Run Trail area
- Lake Susan Hills West area
- Saddlebrook area
- Mission Hills Lane area
- Ches Mar Drive area
- Bramble Drive area

A geotechnical assessment and pavement evaluation was conducted by American Engineering Testing, Inc. to aid in the analysis of proper roadway pavement rehabilitation designs for the project.

Bolton & Menk, the city's engineering design consultant for the project, was provided the city's as-builts, asset management data, and the geotechnical report for the neighborhood areas in the project scope to incorporate with the subsequent design. Based on the existing maintenance and rating history, on-site street observations, geotechnical data, and the feasibility analysis, all of the neighborhood areas are recommended to be rehabilitated by a full-depth reclamation (FDR) technique. Each public city-owned street segment within Chanhassen is rated every third year by a pavement management consultant. These ratings are based on a 0-100 scale known as the Overall Condition Index (OCI). The ratings are stored in the city's asset management software and utilized by the Public Works Department

to help select the proposed areas to be rehabilitated. In addition, the ratings are used by the consultants to assist with providing recommendations regarding the rehabilitation of the streets.

Public Engagement Summary and Other Solicited Feedback

Engineering distributed a survey to the 429 accessible properties along the streets being rehabilitated by the project. Of those surveys, 84 have been returned to date (up from 67 at the February 13, 2023 Council meeting). The project also hosted an open house on February 1, 2023 at the Chanhassen Library. There were at least 30 people in attendance at the open house and 5 comment cards were received at the meeting. A second open house meeting for the project has been scheduled for May 2, 2023 at the Chanhassen Library from 4:30pm - 6:30pm.

The Engineering Department has also followed up with the residents in the Bramble Drive neighborhood since the meeting on February 13, 2023. The discussion topic was to re-engage this neighborhood regarding the potential to reconstruct the neighborhood which would facilitate the installation of public utilities. The sanitary sewer would not be able to be utilized until the system was further built out. The water main would also not be recommended to be connected to the properties in the neighborhood because additional users on the 12-inch water main along TH 101 would be needed to maintain the quality of the water delivered to the residents. Based on the general consensus of the properties we reached, the neighborhood does not support reconstructing the neighborhood at this time.

The Engineering Department has also received a few calls and emails from properties within the project and continues to respond to these individual inquiries.

The remaining project schedule is as follows:

- Bidding - March/April 2023
- Bid Date - April 7, 2023
- 2nd Neighborhood Meeting - May 2, 2023
- Conduct Assessment Hearing and Award Project - May 2023
- Begin Construction - June 2023
- End Construction (Substantial Completion) - November 2023

BUDGET

This project is included in the five-year CIP for 2023. Funding for the project is proposed to come from the pavement management program (PMP) fund, which includes special assessments to benefiting properties as part of the revenue. The special assessments will be managed per the City's Assessment Policy. The Utility Enterprise funds will be utilized to cover the rehabilitation needs specific to each utility.

The preliminary special assessment amounts distributed to the neighborhood areas identified to be completed by the project are as follows:

- Curry Farms/Mulberry Circle area: \$4,700.00 (this amount does not include the sidewalk addition to Devonshire Dr.)
- Creek Run Trail area: \$4,500.00 (this amount does not include removal of the center island)
- Lake Susan Hills West area: \$4,700.00
- Saddlebrook area: \$4,700.00
- Mission Hills Lane area: \$4,600.00

- Ches Mar Drive area: \$8,700.00
- Bramble Drive area: \$8,400.00

The Engineering Department has continued refining the scope of the work defined in the feasibility study along with factoring in feedback received from meetings with the property owners and other feedback. The scope of the work associated with the stormwater utility fund has been prioritized to meet the budget associated with this work.

Engineering continues to recommend bidding the Curry Farms/Mulberry Circle, Lake Susan Hills West, Saddlebrook, Bramble Drive, and Ches Mar Drive areas as part of a base bid package. The Creek Run Trail and the Mission Hills Lane areas are recommended to be bid as separate, alternate work areas. If the work for either or both areas can fit into the project's budget, or if the budget were to be increased, then it can be easily added to the contracted work.

The table below shows the project budget in comparison to the current estimate for the areas included in the proposed base bid package:

Fund	Budget	Estimate
PMP (Street)	\$4,630,000	\$4,702,000
Surface Water (Storm Sewer)	\$750,000	\$744,000
Sanitary Sewer	\$250,000	\$236,000
Water	\$700,000	\$537,000
Total	\$6,330,000	\$6,219,000

The table below shows the project budget in comparison to the current estimate for the areas included in the proposed base bid package and the Creek Run Trail and Mission Hills Lane areas:

Fund	Budget	Estimate
PMP (Street)	\$4,630,000	\$5,217,000
Surface Water (Storm Sewer)	\$750,000	\$837,000
Sanitary Sewer	\$250,000	\$313,000
Water	\$700,000	\$616,000
Total	\$6,330,000	\$6,983,000

RECOMMENDATION

Staff recommends city council adopt a resolution approving the plans and specifications and authorizing the advertisement to bid for City Project Number 23-01.

ATTACHMENTS

[Resolution](#)

[Streets 5-Year CIP Map \(2023-2027\)](#)

[Assessment Policy](#)

[CIP ST-012 \(2023\)](#)