



## ***City Council Memorandum***

**To:** Mayor Fasbender & City Council Members

**From:** John Caven – Assistant City Engineer

**Date:** February 13, 2023

**Item:** Approve Plans and Authorize Advertisement for Bids – 2023 Mill & Overlay Program

### **Council Action Requested:**

The council is requested to adopt the enclosed resolution approving the 2023 Mill & Overlay Program and authorize advertisement for bid.

### **Background Information:**

A mill and overlay is a street maintenance technique that extends the life of a pavement by removing the top layer of pavement by milling off the surface. After the top layer is removed, a new layer of bituminous pavement is put back in its place. The ideal street to mill and overlay contains the following characteristics:

- Age: 20-25 years old
- Pavement Condition Index (PCI) Rating: 55-70 on a scale of 0-100, 100 being a brand new road in perfect condition.
- Cross Section: 4" minimum pavement thickness
- Surface: Cracks becoming wider and more abundant. Potholes becoming more prevalent. Surface may appear better than the actual road condition dictates. Annual maintenance costs begin to spike.
- Base: Generally in good condition.

The project proposes to mill the top 2" of pavement for 2.2 miles on Spiral Blvd from Enterprise Ave to CR91, Glacier Way from 31<sup>st</sup> St through first cul-de-sac, 13<sup>th</sup> St from Tierney Dr to General Sieben Dr, 14<sup>th</sup> St from west end to General Sieben Dr, O'Connell Dr from 14<sup>th</sup> St to 15<sup>th</sup> St, Sunset Dr from O'Connell Dr to west end, Tierney Dr from South Frontage Rd to General Sieben Dr, Unnamed Rd from Hwy 55 to South Frontage Rd, Valley Ln from Westview Dr through culd-de-sac, Carleton Ln from 15<sup>th</sup> St to Carleton Dr, and Hilltop Ln from Westview Dr to east end.

The majority of the streets within the project were built in the mid to late 1990s, with the remaining built in the early 2000s. PCI ratings are within the targeted PCI rating or fall narrowly below the targeted range for a mill and overlay however they remain a good candidate for a mill and overlay since most of the dilapidation can be attributed to surface stripping and potholing. The base remains in decent condition.

The project also includes replacing the adjacent sidewalk pedestrian ramps to include truncated domes to meet ADA standards, spot replacement of curb and gutter, spot replacement of rings and castings on catch basins and manholes, and spot replacement of problematic top box sections on gate valves. Centerline striping will be replaced consistent with the existing layout.

The timeline for this project is to begin construction as early as May 8<sup>th</sup> and be wrapped up by no later than June 23<sup>rd</sup>. The entire process should take approximately 3-5 weeks.

**Financial Impact:**

Spiral Blvd is a State Aid Street. The City's Municipal State Aid for Local Transportation account via MnDOT and not the general fund has a budget of \$250,000. The remaining streets are residential non-State Aid streets and has a budget of \$450,000. Project estimate is generally within project budgets.

**Attachments:**

- Project Map
- Photos of Present Condition

RESOLUTION No. \_\_\_\_\_

**RESOLUTION APPROVING PLANS AND AUTHORIZING ADVERTISEMENT FOR  
BIDS FOR 2023 MILL & OVERLAY IMPROVEMENTS**

**WHEREAS**, the City contracts for a mill and overlay project as part of its pavement maintenance and preservation plan;

**NOW, THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HASTINGS AS FOLLOWS;** that

1. Plans and specifications for the 2023 Mill & Overlay Program prepared by the Hastings City Engineer are hereby approved as presented, and;
2. The City Engineer shall prepare and cause to be inserted on the Quest Construction Data Network web site, and on the City of Hastings official web site an advertisement for bids for the construction of the approved 2023 Mill & Overlay Program in accordance with such approved plans and specifications. The advertisement shall be published for three weeks, shall specify the work to be done, shall state that bids will be opened at 10:00 AM, Thursday, March 23, 2023 using online bidding through QuestCDN.com, and that no bids will be considered unless accompanied by a bid bond for 5% of the amount of each bid.

**ADOPTED BY THE CITY COUNCIL OF HASTINGS, MINNESOTA, THIS 21ST DAY  
OF FEBRUARY, 2023.**

Ayes:

Nays:

\_\_\_\_\_  
*Mary Fasbender, Mayor*

ATTEST: \_\_\_\_\_  
*Kelly Murtaugh, City Clerk*

SEAL



VIII-07

CSAH 42

Hwy 55

Hwy 61

15th St

Westview Dr

General Sieben Dr

CSAH 46

Spiral Blvd

CR91

31st St

Glacier Way


Hwy 61

Hwy 316

## Proposed 2023 Mill and Overlay Program

 Local Street

- 13th St: Tierney Dr to General Sieben Dr
- 14th St: West End to General Sieben Dr
- Carleton Ln: 15th St to Carleton Dr
- Glacier Way: 31st St through first Cul-de-sac
- Hilltop Ln: Westview Dr to East End
- O'Connell Dr: 14th St to 15th St
- Sunset Dr: West End to O'Connell Dr
- Tierney Dr: South Frontage Rd to General Sieben Dr
- Unnamed Rd: Hwy 55 to South Frontage Rd
- Valley Ln: Westview Dr through Cul-de-sac

 Municipal State Aid Street

- Spiral Blvd: Enterprise Ave to CR91



Revised: December 30, 2022





Glacier Way – looking east from 31<sup>st</sup> St



Spiral Blvd – looking east from 31<sup>st</sup> St



O'Connell Dr – looking north from Sunset Dr



Sunset Dr – looking west from O'Connell Dr



13<sup>th</sup> St – looking west from General Sieben Dr



14<sup>th</sup> St – looking east from midblock





Tierney Dr – looking north from 14<sup>th</sup> St



VIII-07

Tierney Dr – looking north from midblock cul-de-sac



Hilltop Ln – looking east from Westview Dr



Valley Ln – looking west from midblock



Unnamed Rd – looking north from South Frontage Rd



Carleton Ln – looking south from 15<sup>th</sup> St