



## *City Council Memorandum*

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

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

**Date:** February 12, 2024

**Item:** Approve Plans and Authorize Advertisement for Bids – 2024 Mill & Overlay Program

### **Council Action Requested:**

The council is requested to adopt the enclosed resolution approving the 2024 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 3.37 miles on the following streets:

- 31<sup>st</sup> St from CSAH 46 to west of Highview Knoll
- Bohlken Ct from Bohlken Dr through cul-de-sac
- Bohlken Dr from 31<sup>st</sup> St to west of Hackberry Dr
- Carleton Dr from General Sieben Dr to General Sieben Dr
- Carleton Pl from Carleton Dr through cul-de-sac
- Flagstone Dr from 31<sup>st</sup> St to south end
- Meadow View Ct from 17<sup>th</sup> St through cul-de-sac
- Meadow View Tr from Wyndham Hill Dr to 17<sup>th</sup> St
- Stonegate Rd from Northridge Dr to Highland Dr
- South Frontage Rd from west end to General Sieben Dr
- Wyndham Hill Dr from 15<sup>th</sup> St to Northridge Dr
- Wyndham Pl from Wyndham Hill Dr through cul-de-sac

The streets within the project were built between 1994 and 2005. 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 6<sup>th</sup> and be wrapped up by no later than June 25<sup>th</sup>. The entire process should take approximately 4-6 weeks.

**Financial Impact:**

Both 31<sup>st</sup> St and South Frontage Rd are State Aid streets. \$250,000 of the Municipal State Aid account has been budgeted for this project. The remaining streets are residential non-State Aid streets and have a budget of \$750,000. Engineering cost estimates are within the project budgets.

**Attachments:**

- Project Map
- Photos of Present Condition

**CITY OF HASTINGS**  
DAKOTA COUNTY, MINNESOTA

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

**RESOLUTION APPROVING PLANS AND AUTHORIZING ADVERTISEMENT FOR  
BIDS FOR 2024 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 2024 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 2024 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 21, 2024 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 20TH DAY OF FEBRUARY, 2024.**

Ayes:

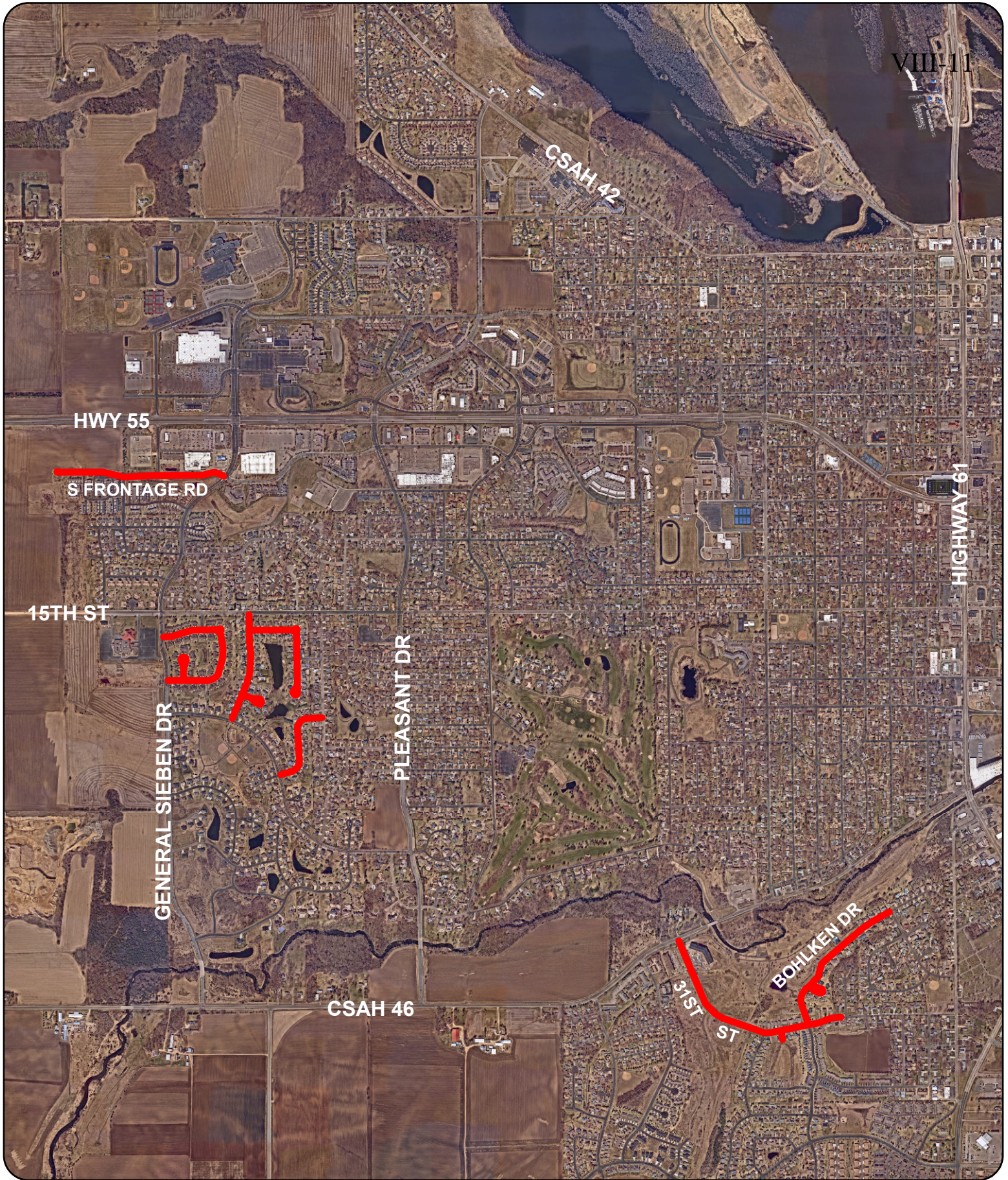
Nays:

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

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

SEAL





## Proposed 2024 Mill & Overlay Program

- 31st St: CSAH 46 to Highview Knoll
- Bohlken Ct: Bohlken Dr to Cul-de-sac
- Bohlken Dr: 31st St to Hackberry Dr
- Carleton Dr: GSD to GSD
- Careton Pl: Carleton Dr to Cul-de-sac
- Flagstone Dr: 31st to south end

- Meadow View Ct: Wyndham Hill Dr
- Meadow View Tr: 17th St to Meadow View Ct
- Stonegate Rd: Northridge Dr to Highland Dr
- South Frontage Rd: West end to GSD
- Wyndham Hill Dr: 15th St to Northridge Dr
- Wyndham Pl: Wyndham Hill Dr to Cul-de-sac



Revised: October 17, 2023



2024 Mill and Overlay Program  
Existing Condition



*31<sup>st</sup> St – looking west from Bohlken Dr*



*Bohlken Dr – looking south near Hackberry Dr*



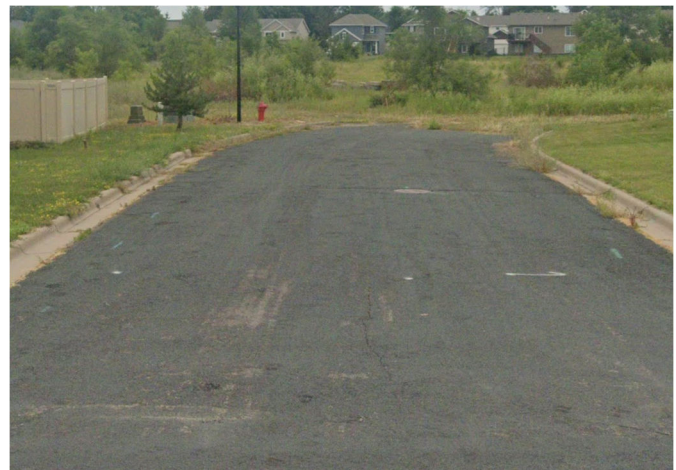
*Bohlken Ct – looking east from Bohlken Dr*



*Carleton Dr – looking south from Carleton Dr cul-de-sac*



*Carleton Pl – looking north at cul-de-sac*



*Flagstone Dr – looking south from 31<sup>st</sup> St*





*Meadow View Ct – looking south from 17<sup>th</sup> St*



*Meadow View Tr – looking east from Wyndham Hill Dr*



*Stonegate Rd – looking north from midblock*



*South Frontage Rd – looking east from Unnamed Rd*



*Wyndham Hill Dr – looking south from Meadow View Tr*



*Wyndham Pl – looking east from Wyndham Hill Dr*