



City Council Memorandum

To: Mayor Fasbender & City Council Members

From: John Caven – Assistant City Engineer

Date: February 14, 2022

Item: Approve Plans and Authorize Advertisement for Bids – 2022 Mill & Overlay Program

Council Action Requested:

The council is requested to adopt the enclosed resolution approving the 2022 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 1.19 miles on 4th St from Prairie St to Hwy 61, River St from CSAH 42 to 4th St, 15th St from west end to General Sieben Dr, Seton Ct, and Steeple Ln from O'Connell Dr to General Sieben Dr.

4th St, River St, 15th St, Seton Ct, and Steeple Ln were last constructed in 1999, 1987, 1994, 1994, and 1994 respectively. 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 9th and be wrapped up by no later than June 24th. The entire process should take approximately 3-5 weeks.

Financial Impact:

4th St 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. River St, 15th St, Seton Ct, and Steeple Ln are residential non-State Aid streets and has a budget of \$200,000. Project estimate is generally within 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 2022 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 2022 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 2022 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 24, 2022 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 22ND DAY
OF FEBRUARY, 2022.**

Ayes:

Nays:

Mary Fasbender, Mayor

ATTEST: _____
Kelly Murtaugh, City Clerk

SEAL



2022 Mill & Overlay Program



- 4th St: Prairie St to Hwy 61
- 15th St: West End to General Sieben Dr
- River St: CSAH 42 to 4th St
- Steeple Ln: 15th St through Cul-de-sac
- Steeple Ln: O'Connell Dr to General Sieben Dr



2022 Mill and Overlay Program
Existing Condition



4th St – looking east from Maple St



River St – looking north from 4th St



15th St – looking west from Seton Ct



Seton Ct – looking north from 15th St



Steeple Ln – looking west from General Sieben Dr