



## ***City Council Memorandum***

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

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

**Date:** February 13, 2024

**Item:** Approve 2024 Pavement Management Projects in accordance with the South Metro Joint Powers Agreement

### **Council Action Requested:**

The council is requested to approve the 2024 Traffic Marking Program and 2024 Crack Seal Program in accordance with the South Metro Joint Powers Agreement.

### **Background Information:**

Annually, the City of Burnsville administers a Joint Powers Agreement (JPA) for select pavement management projects. In 2023, 20 cities, counties, and townships, representing Dakota County and Scott County joined their seal coating, crack sealing, traffic marking, fog seal, and screening quantities in effort to gain a 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 and crack seal 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.

#### *Traffic Marking Program*

The program consists of re-painting up to 11 miles of faded centerline, fog lines, directional arrows, symbols, crosswalks and stop bars with appropriate yellow or white paint. 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 up to 8 miles of streets and one parking lot. Cracks greater than or equal to a quarter inch will be routed and sealed.

**Financial Impact:**

In 2024, a similar number of cities and counties (20) are anticipated in joining the JPA. Unit prices will likely increase 5-8% due to inflation. Maintaining participation in the JPA with its large bid quantities will help buffer the continued 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. Costs estimates include the 1.5% project administration fee paid to Burnsville for administering the bid process.

**Attachments:**

2024 Traffic Marking Plan

2024 Crack Seal Plan

**LEGEND**

- CENTERLINE
- FOG LINES
- ON-STREET PARKING
- "HANDWORK"  
IE. ARROWS,  
HATCHING

- NOTES:**
- 1) \$16,200 is maximum budget. Contact City prior to exceeding budget.
  - 2) Paint fog lines only as marked on plans
  - 3) Timing Conflicts
    - a) 31st St: City will coordinate removals and inform contractor when site is ready for new striping.
    - B) Businesses in the downtown area (2nd St) install various on-street parklets typically between April-October. Discuss with City the best way to maximize striping in this area.
    - c) Traffic is heaviest in the downtown area (2nd St) during the day. Consider striping earlier or later in the day.
  - 4) Contractor is responsible to post no parking signs (if needed)
  - 5) Crosswalks are to be painted 12" (parallel lines) or 2'x3' (blocks). Match existing style/size.
  - 6) Provide City a courtesy call prior to striping
  - 7) Direct all questions to John Caven
    - a) 651.480.2369
    - b) jcaven@hastingsmn.gov

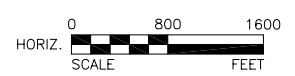
GENERAL SIEBEN DR: FEATHERSTONE RD TO CSAH 46  
 • NO FOG LINES  
 • NO ARROWS  
 • NO YELLOW HATCH

PARKLETS (TYP)

11TH ST  
 12TH ST  
 13TH ST  
To Property Lines



REMOVE BY OTHERS:  
 - 3 ARROWS  
 - 120' DOUBLE YELLOW CENTERLINE  
 ADD NEW TRAFFIC MARKINGS:  
 - 2 RIGHT ARROWS  
 - 120' DOUBLE YELLOW CENTERLINE



REV.	BY	DATE

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

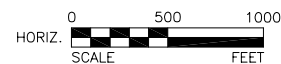
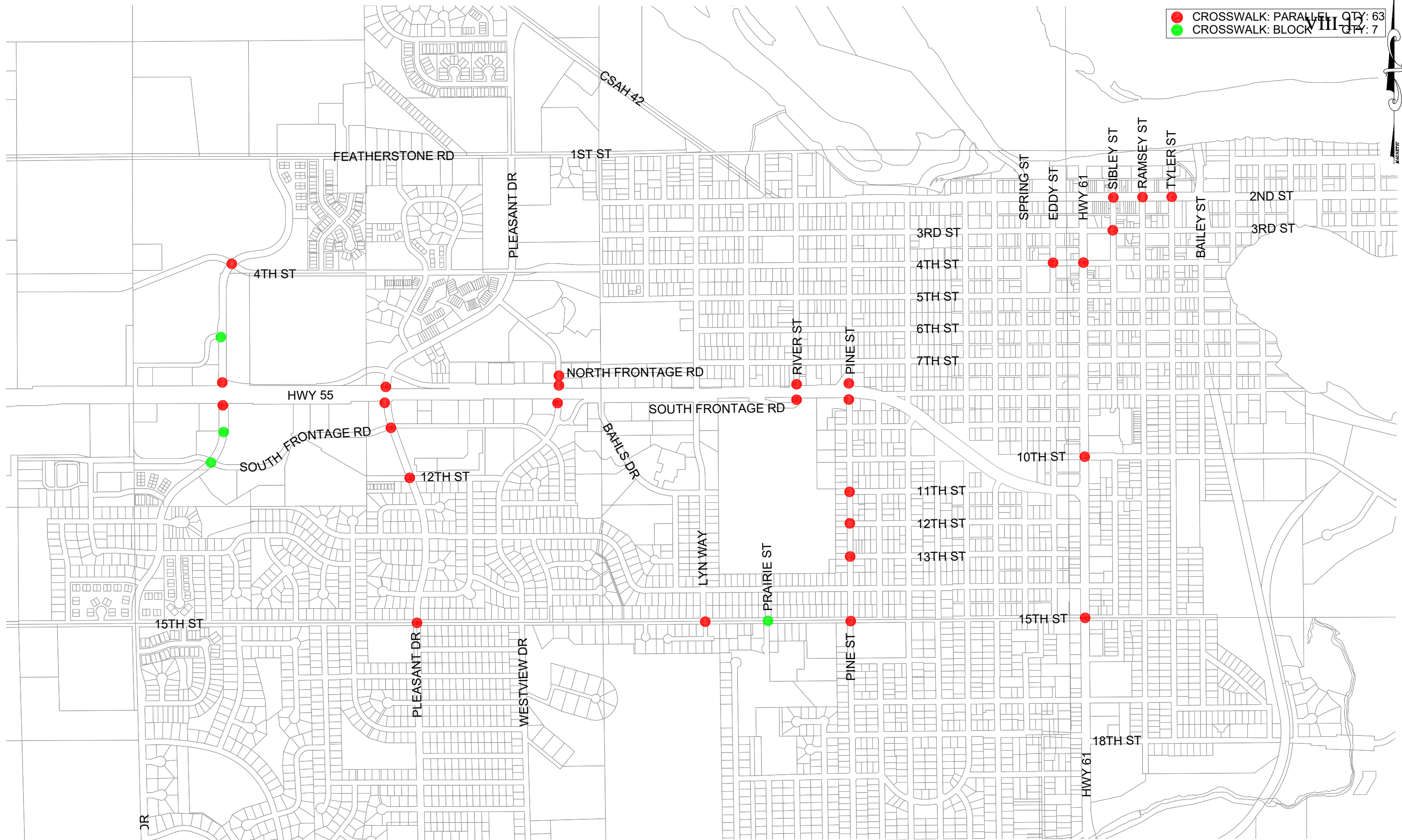
JOHN CAVEN, P.E.  
 LIC. NO. 47540 DATE 1/24/24

DESIGNED: JRC  
 DRAWN: JRC  
 CHECKED: JRC



**City of Hastings**  
 101 4th Street East  
 Hastings, MN 55033

● CROSSWALK: PARALLEL QTY: 63  
● CROSSWALK: BLOCK QTY: 7



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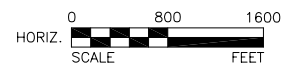
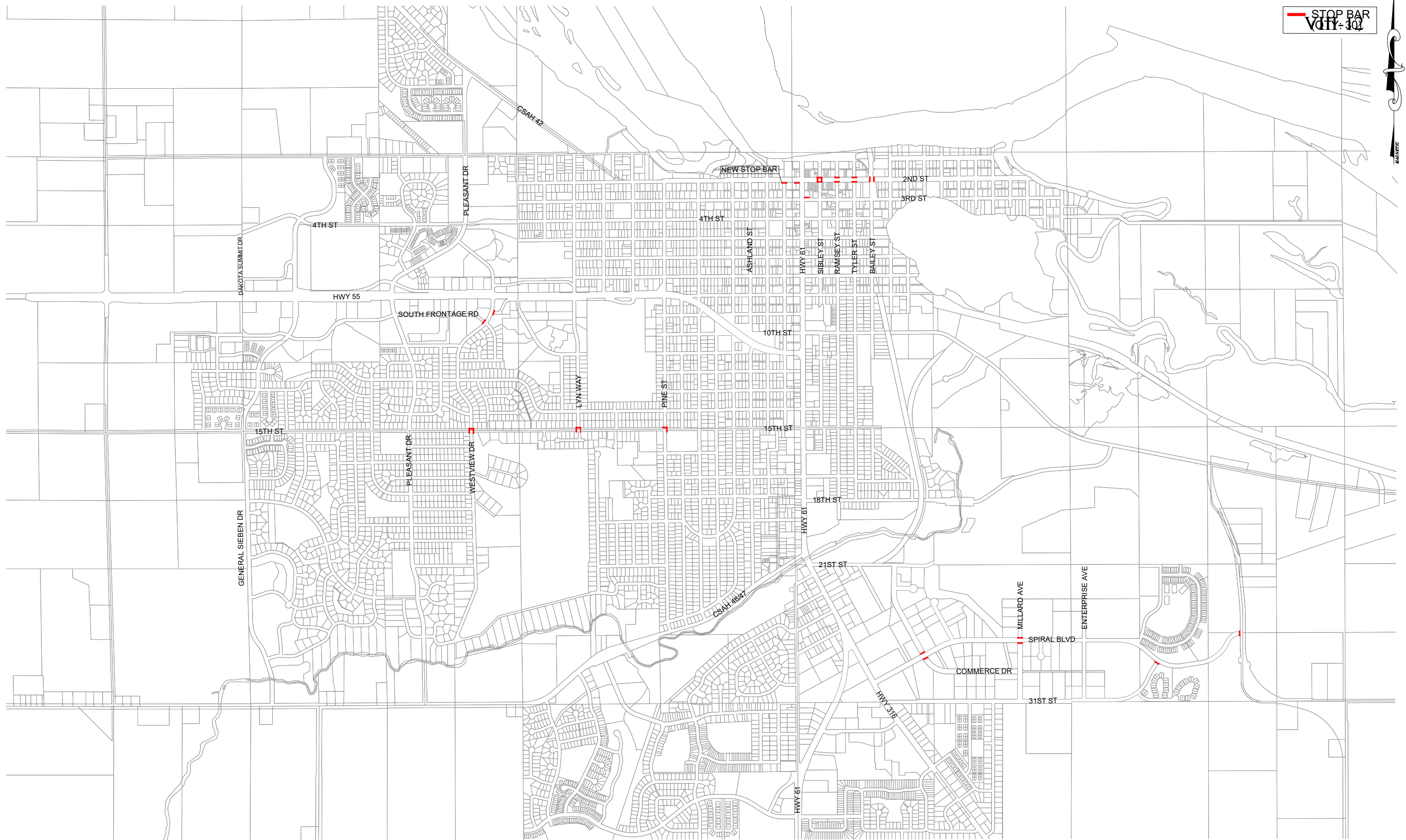
2024 TRAFFIC MARKING PLAN

CROSSWALKS

SHEET 2 OF 4

STOP BAR  
VOT-10

MANETC



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DRAWN  
JRC  
CHECKED  
JRC



**City of Hastings**  
101 4th Street East  
Hastings, MN 55033

2024 TRAFFIC MARKING PLAN

STOP BARS

SHEET  
3  
OF  
4

Crosswalk Location Policy						
East/West Street	North/South Street	Location				
		West	East	North	South	Mid-Block
2nd St	Sibley St	West	East	North	South	
2nd St	Ramsey St	West	East	North	South	
2nd St	Tyler St	West	East	North	South	
3rd St	Sibley St	West	East		South	
4th St	General Sieben Dr	West	East	North	South	
4th St	Eddy St	West	East	North	South	
4th St	Hwy 61	West	East			
10th St	Hwy 61	West	East			
11th St	Pine St	West		North		
12th St	Pleasant Dr	West	East	North	South	
12th St	Pine St	West			South	
13th St	Pine St	West		North		
15th St	Pleasant Dr	West	East	North	South	
15th St	Lyn Way	West				
15th St	Prairie St	West				
15th St	Pine St	West			South	
15th St	Hwy 61	West	East			
Hwy 55	General Sieben Dr			North	South	
Hwy 55	Pine St			North	South	
Hwy 55	Pleasant Dr			North	South	
Hwy 55	River St			North	South	
Hwy 55	Westview Dr			North	South	
Market Blvd	General Sieben Dr	West	East	South	North	
North Frontage Rd	General Sieben Dr	West	East	North	South	
North Frontage Rd	Westview Dr	West			South	
South Frontage Rd	General Sieben Dr		East	South	North	
South Frontage Rd	Pleasant Dr	West	East	North	South	

West: Five 3ftx8ft Block Crosswalk on west side of intersection.

Stop Bars						
East/West Street	North/South Street	Location				
		West	East	North	South	
2nd St	Eddy St				South	
2nd St	Ramsey St			North	South	
2nd St	RR Tracks (Not painting RR Crossing Symbol)	West	East			
2nd St	Sibley St	West	East	North	South	
2nd St	Tyler St			North	South	
15th St	Westview Dr	West	North	East		
15th St	Lyn Way	West	East	North		
15th St	Pine St		East	North		
Hwy 61 East Ramp Rd	3rd St			North		
Hwy 61 West Ramp Rd	2nd St				South	
South Frontage Rd	Westview Dr (North Intersection)		East			
South Frontage Rd	Westview Dr (South Intersection)	West				
Spiral Blvd	Commerce Dr			North	South	
Spiral Blvd	Glendale Rd / CR91	West				
Spiral Blvd	Millard Ave			North	South	
Spiral Blvd	31st St			North		

Bicycle Symbol						
East/West Street	North/South Street	Location				
		West	East	North	South	
19th St	Louis Ln				1	
21st St	Louis Ln			1		
Southview Blvd	Louis Ln			1		

REV.	BY	DATE

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 LIC. NO. 47540 DATE 1/24/24

DESIGNED JRC
DRAWN JRC
CHECKED JRC



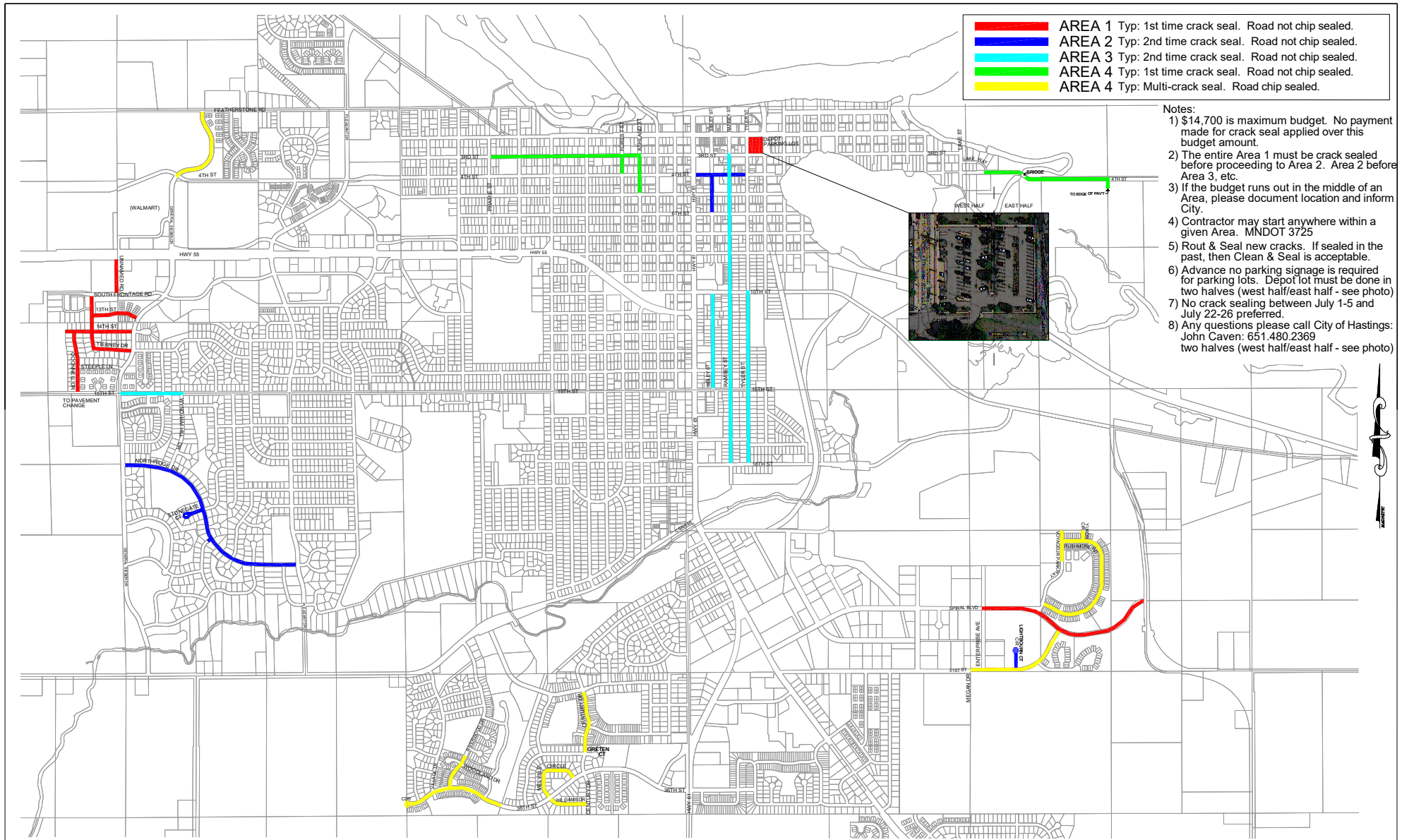
**City of Hastings**

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2024 TRAFFIC MARKING PLAN

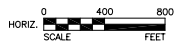
CROSSWALK & STOP BAR LIST

SHEET  
 4  
 OF  
 4



- █ AREA 1 Typ: 1st time crack seal. Road not chip sealed.
- █ AREA 2 Typ: 2nd time crack seal. Road not chip sealed.
- █ AREA 3 Typ: 2nd time crack seal. Road not chip sealed.
- █ AREA 4 Typ: 1st time crack seal. Road not chip sealed.
- █ AREA 4 Typ: Multi-crack seal. Road chip sealed.

- Notes:
- 1) \$14,700 is maximum budget. No payment made for crack seal applied over this budget amount.
  - 2) The entire Area 1 must be crack sealed before proceeding to Area 2. Area 2 before Area 3, etc.
  - 3) If the budget runs out in the middle of an Area, please document location and inform City.
  - 4) Contractor may start anywhere within a given Area. MNDOT 3725
  - 5) Rout & Seal new cracks. If sealed in the past, then Clean & Seal is acceptable.
  - 6) Advance no parking signage is required for parking lots. Depot lot must be done in two halves (west half/east half - see photo)
  - 7) No crack sealing between July 1-5 and July 22-26 preferred.
  - 8) Any questions please call City of Hastings: John Caven: 651.480.2369 two halves (west half/east half - see photo)



REV.	BY	DATE	DESCRIPTION

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*John Caven*  
 JOHN CAVEN, P.E.  
 LIC. NO. 47540 DATE 1/29/24

DESIGNED:  
 JRC  
 SWAN  
 JRC  
 CHECKED:  
 JRC



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 101 4th Street East  
 Hastings, MN 55033

2024 CRACK SEAL PROGRAM

SHEET  
 1  
 OF  
 1