

SUMMARY OF ENGINEERING RECOMMENDATIONS  
**2023 Arterial Mill & Overlay Program**

Report Prepared – 06/02/23  
Public Hearing – 07/26/23

**PROGRAM**

The Arterial Mill & Overlay program proposes to extend the pavement life cycle by resurfacing the bituminous pavement. In conjunction, the project will upgrade existing pedestrian ramps and construct sidewalks and pedestrian improvements.

**EXISTING CONDITIONS**

East Shore Drive from Wheelock to Larpenteur

Most of this street segment was reconstructed in 1976. The street width ranges from 26 feet to 28 feet. The pavement condition is as low as 25 out of 100.

Victoria from Summit to Concordia

This street segment was milled and overlaid in 2001. The street width ranges from 29 to 36 feet. The pavement condition is as low as 10 out of 100.

Ruth/Algonquin from Burns to Stillwater Road

Ruth from Burns to Third was milled and overlaid in 1993, Third to Minnehaha was reconstructed in 1969, Minnehaha to Margaret was milled and overlaid in 1994 and Ruth/Algonquin from Minnehaha to Stillwater Road was seal coated in 2018. The street width ranges from 32 to 55 feet. The pavement condition is as low as 19 out of 100.

Fairview from Randolph to Edgcumbe

Most of this street segment was milled and overlaid in 2010. The street width ranges from 34 to 54 feet. The pavement condition is as low as 12 out of 100.

**PROPOSED IMPROVEMENTS**

The project seeks to improve the pavement conditions on the following street segments:

- East Shore Drive – Wheelock to Larpenteur
- Victoria – Summit to Concordia
- Ruth/Algonquin – Burns to Stillwater
- Fairview – Randolph to Edgcumbe

Improvements to be made as part of the project include constructing new bituminous surfaced streets, upgrading existing pedestrian ramps to current Americans with Disabilities Act (ADA) current standards and construction of sidewalks and pedestrian improvements.

### **ALTERNATES**

To do nothing would not fulfill the City's responsibility for maintaining reconstructed residential streets and extending their pavement life cycle. Without resurfacing, the pavement would continue to disintegrate beyond repair. Maintenance costs would likely increase beyond normal means if not maintained properly on a regular schedule.

### **POSITIVE BENEFITS**

General improvement to the street pavement surfaces and ride quality. The newly resurfaced roadways will improve the durability and useability of the streets, reduce maintenance issues, and continue the City's efforts to improve the transportation system in Saint Paul. The pedestrian ramps, sidewalks and pedestrian improvements will enhance neighborhood safety and movement for all users.

### **ADVERSE EFFECTS**

Normal problems associated with construction such as noise, dust, reduced access to the neighborhood, and general disruption will be present while the work is being done.

### **EFFECTS ON TREES**

Any tree limbs extending into the roadway which could impact construction machinery will be pruned by the Department of Parks & Recreation's Forestry crews. The project will seek to minimize tree impacts where possible.

### **TIME SCHEDULE**

The project is anticipated to take place in the fall of 2023.

**COST ESTIMATE**

Construction	\$ 5,532,747
Engineering & Inspection	\$ 1,157,506
Contingency	<u>\$ 608,602</u>
<b>PROJECT TOTAL</b>	<b>\$ 7,298,855</b>

**ESTIMATED FINANCING**

General Fund and Assessments	\$ 6,300,000
Sidewalks Program	\$ 274,157
STAR Funding	<u>\$ 724,698</u>
<b>PROJECT TOTAL</b>	<b>\$ 7,298,855</b>

**SOURCE OF ADDITIONAL INFORMATION**

For additional information, contact Jary Lee 266-1107 for pedestrian and sidewalk improvements or Cha Lee 266-9791 for mill and overlay improvements.

**SUMMARY AND RECOMMENDATION**

The Department of Public Works has ranked this a high priority project and the Engineering Recommendation is for approval of the project and financing.

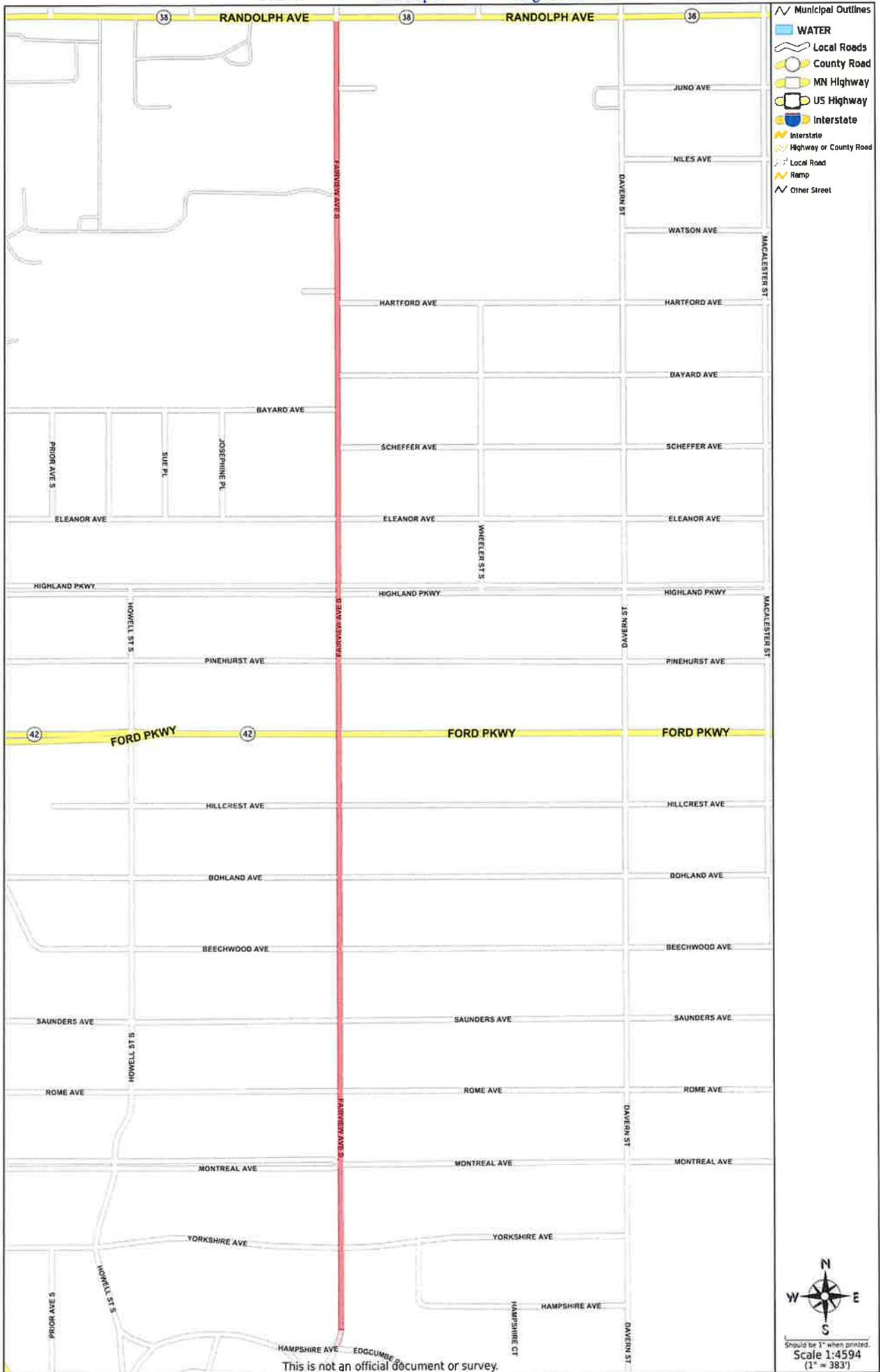
Respectfully submitted,

Jary Lee, PE  
Public Works

East Shore Drive: Wheelock Parkway to Larpenteur Avenue



Fairview Avenue: Randolph Avenue to Edgcumbe Road



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(1" = 383')

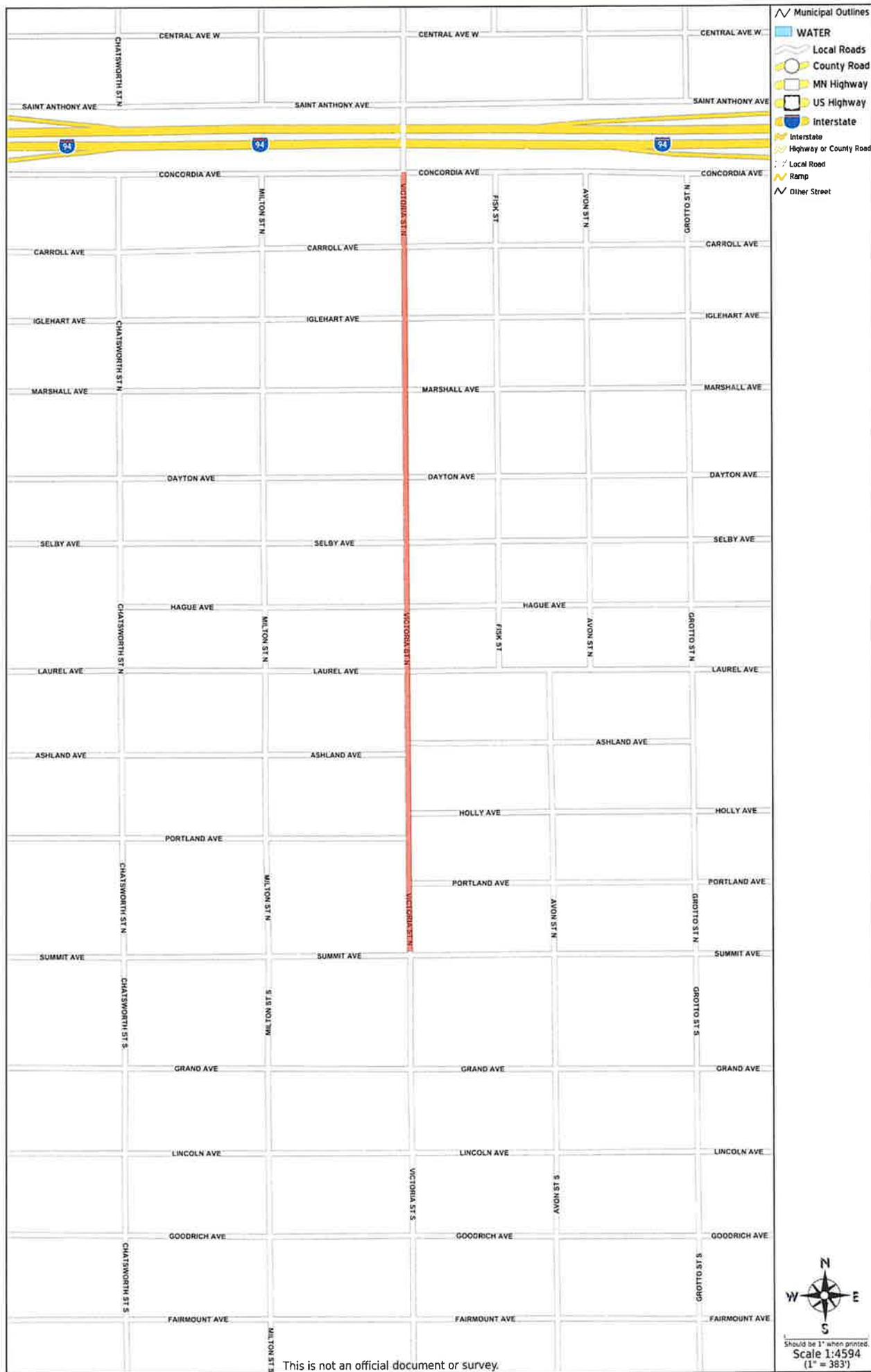
Ruth Street and Algonquin Avenue: Burns Avenue to Stillwater Avenue



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(1" = 766')

Victoria Avenue: Summit Avenue to Concordia Avenue



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