

2023 Front Avenue Mill and Overlay

Fairview Ave to Snelling Ave



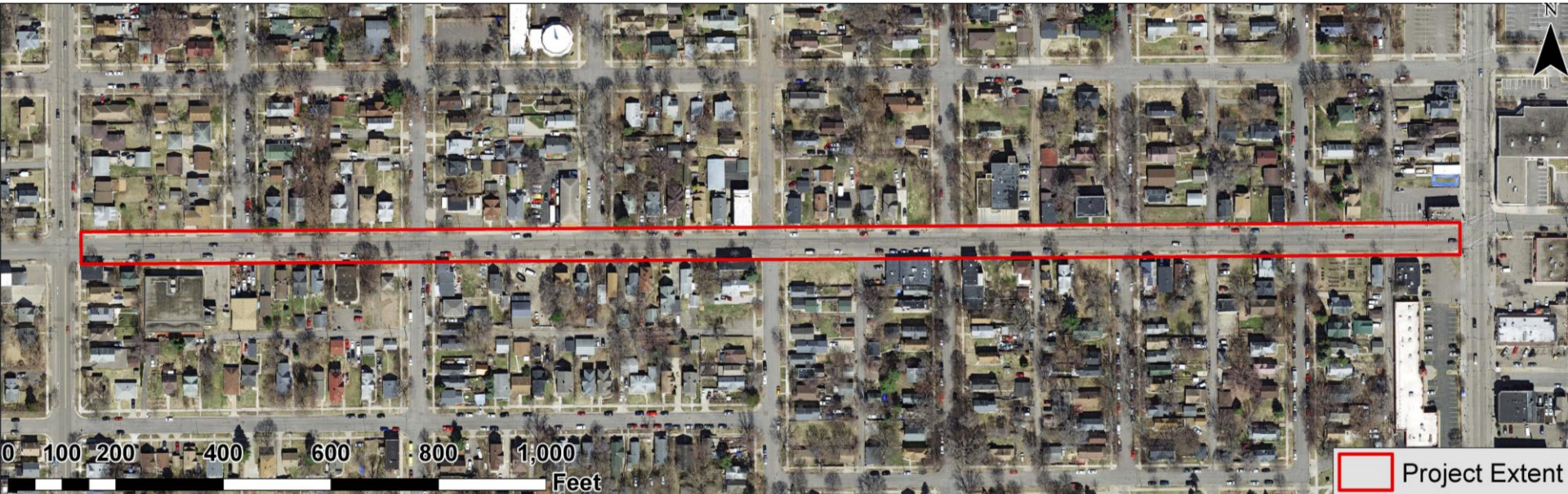
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Front Ave Mill and Overlay

Project Extent:
From Western Ave to Rice Street





Project Purpose and Need

- Need:
 - Pavement quality is very poor throughout the project extent
 - Front Avenue identified for bike facilities in Bike Plan – current facilities do not go east of Dale St
- History:
 - Last work done on Front Ave – 1990 reconstruction
- Adjacent projects:
 - 2025 Safe Routes to School sidewalk infill at Crossroads Elementary
 - Multi-year Rice Street reconstruction (Ramsey County)
- Project Data:
 - Project year: 2023
 - Roadway surface mill and overlay
 - Length: ~2,600 feet (~0.5 miles)

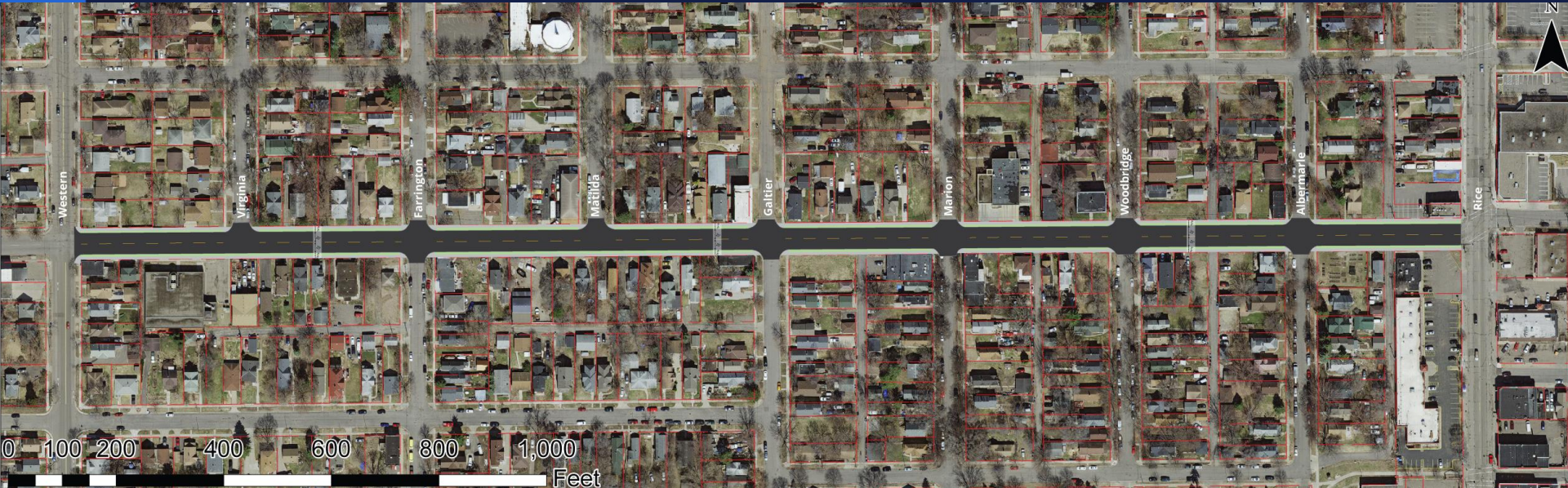


Project Goals

- Resurface degrading roadway surface
- Implement City Bike Plan
- Improve pedestrian safety along the corridor at targeted intersections
- Balance mode share to encourage non-automotive trips along the corridor



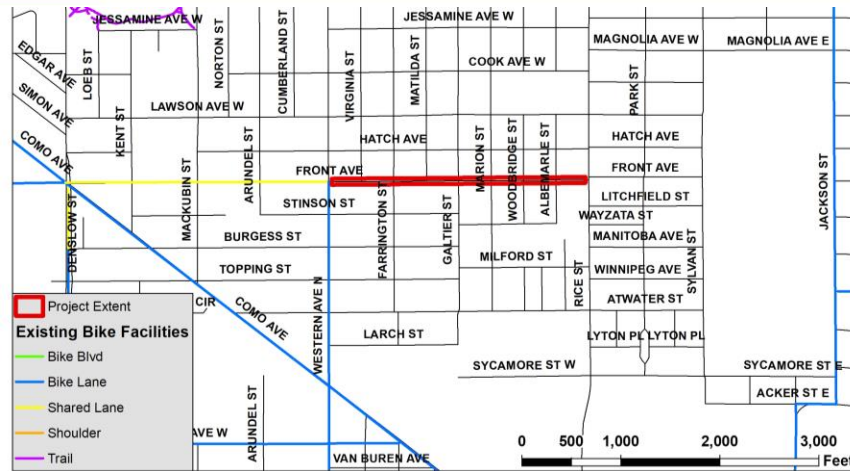
Existing Conditions Overview



- Functional Classification: Major Collector (Municipal State Aid Route)
- Average Daily Traffic (AADT): 2,920 (2022)
- Pavement Condition (PCI): poor throughout the project extent - ranges from 20 to 33 (out of 100).
- Speed limit: 25 MPH



Existing and Planned Bike Facilities

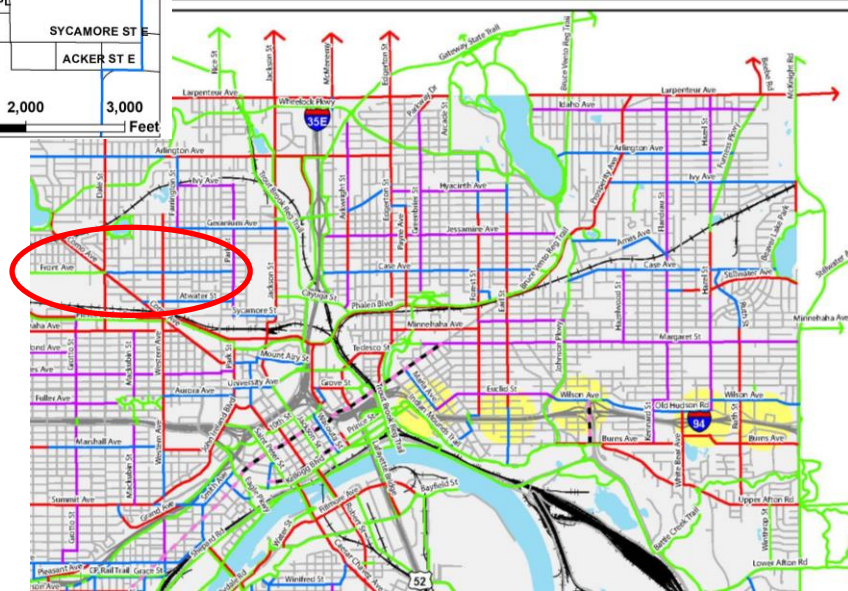


Existing:

- Front Ave bike lane ends at Dale St – shared lane markings go to Western Ave
- Key gap east of Western Ave

Planned:

- Front Ave identified for bike lane to Park St



Legend

Facility Type

- Off-Street Path
- In-Street Separated Lane
- Bicycle Boulevard
- Enhanced Shared Lane
- Corridor for Additional Study
- Corridor for Additional Study of Enhanced Shared Lanes
- Area for Additional Study
- Transit Station Connectors
- Freight Railroad



Corridor Parking Data

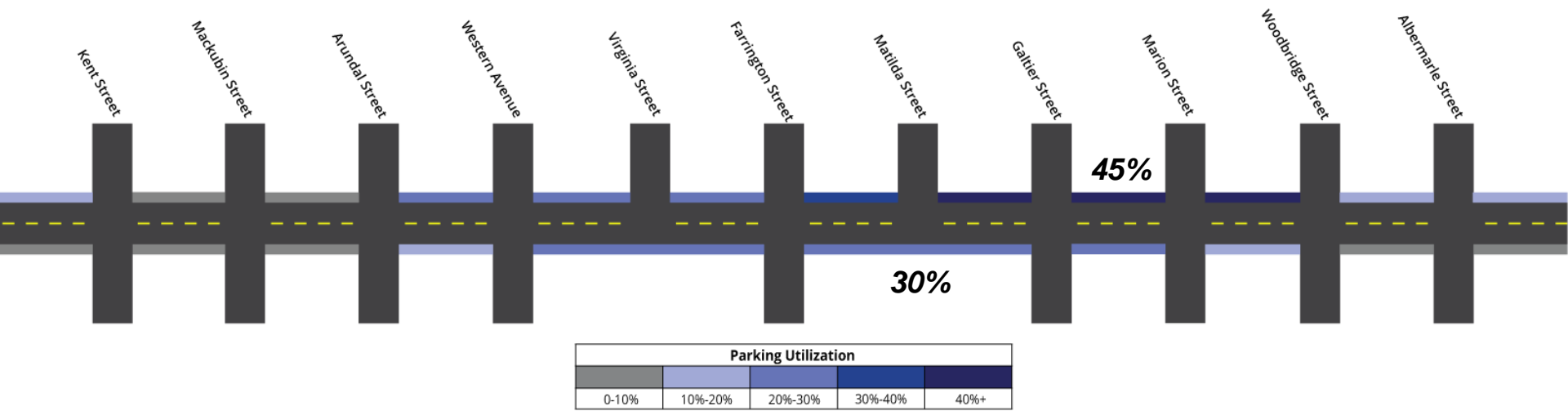
Conducted parking counts along Front Ave during August and September.

- 2 counts taken overnight
- 3 taken weekday midday
- 3 taken weekday evening
- 2 taken weekend midday
- 2 taken weekend evening

- North side of corridor saw twice as much use on average than the south side (23% north, 10% south)
- Parking use highest from Farrington St to Woodbridge St

No block saw an average above 50% use.

- Northside block average peak = 45% (Galtier to Marion)
- Southside block average peak = 30% (Farrington to Galtier)





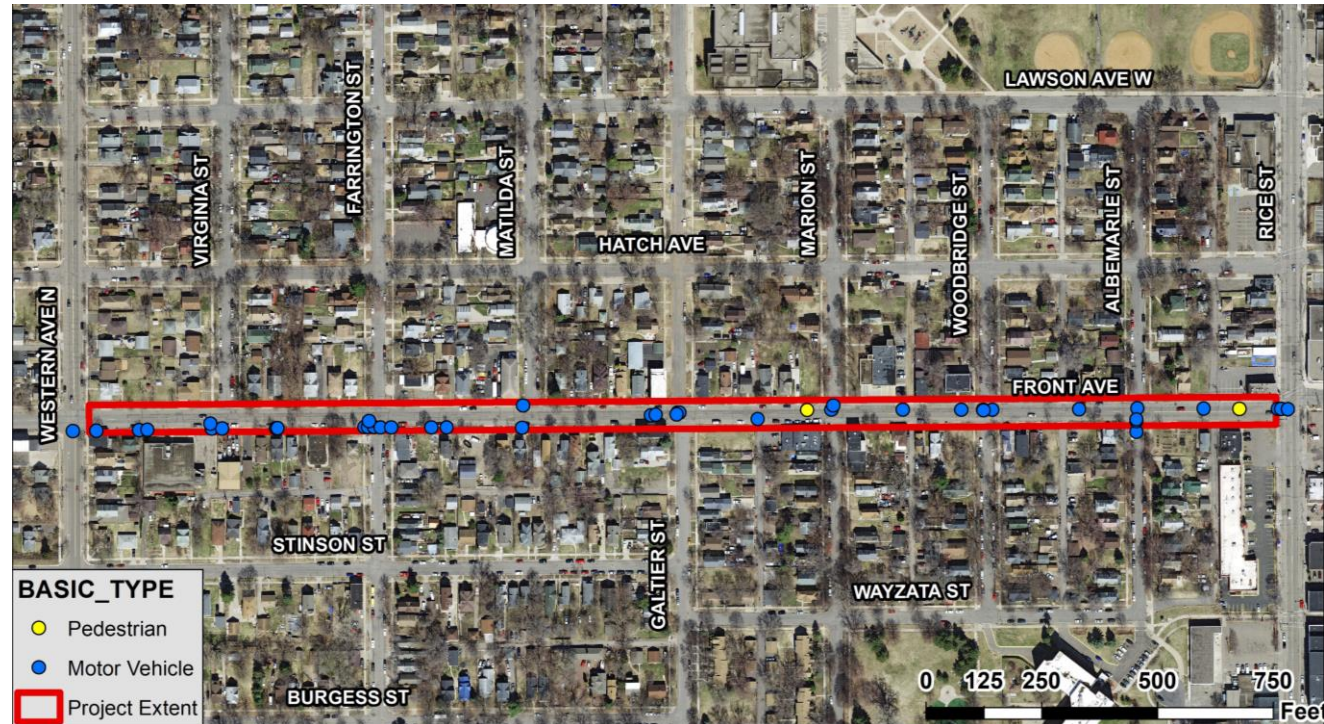
Safety Data

Previous decade of data:
2012-2022

- Police incident reports
- 46 total crashes
 - 44 motor vehicle
 - 2 pedestrian
- 4 injury crashes
 - 1 serious

Speed study done in 2016
at Front & Grotto

- Average speed: 35 MPH

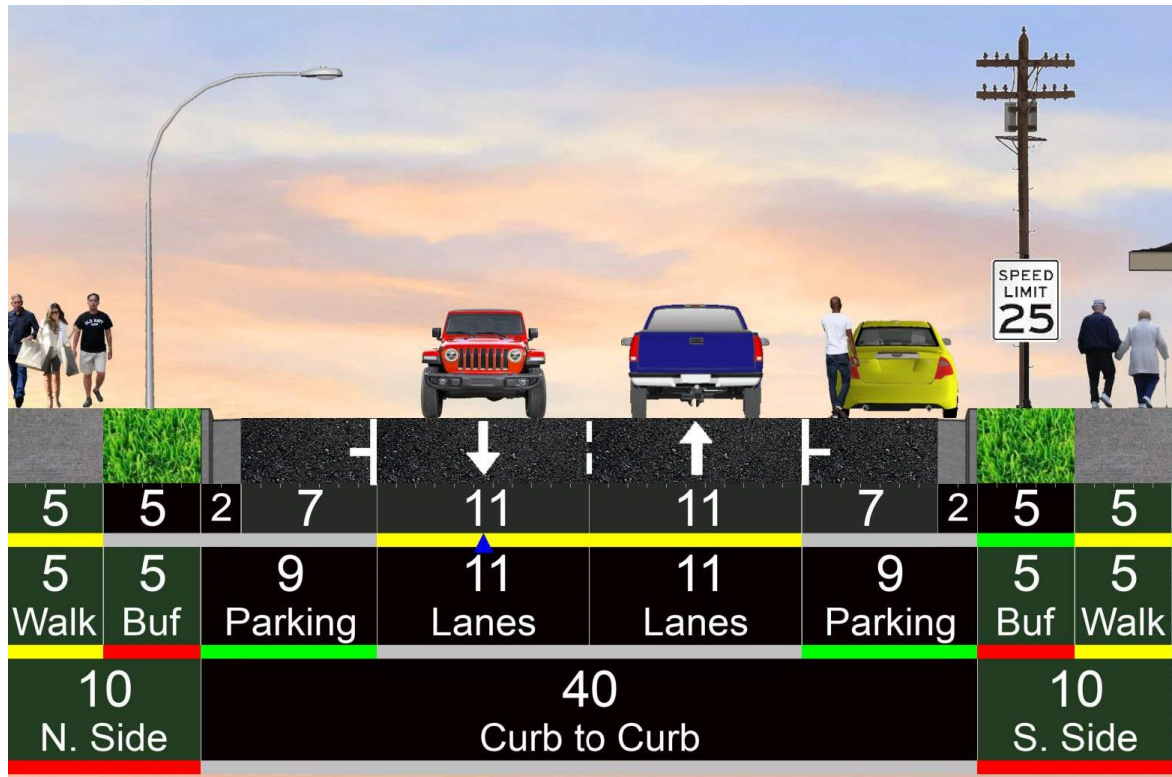




Existing Cross Section

From Western Ave to Rice St: 2-lane street with parking on both sides

- Total ROW 60-feet
- 40-feet from curb-to-curb
- 20-feet from centerline to curb in either direction
- 5-foot sidewalks
- 5-foot boulevard
- Multiple driveways on both north and south side of street
- Primarily residential along corridor, corner commercial and retail

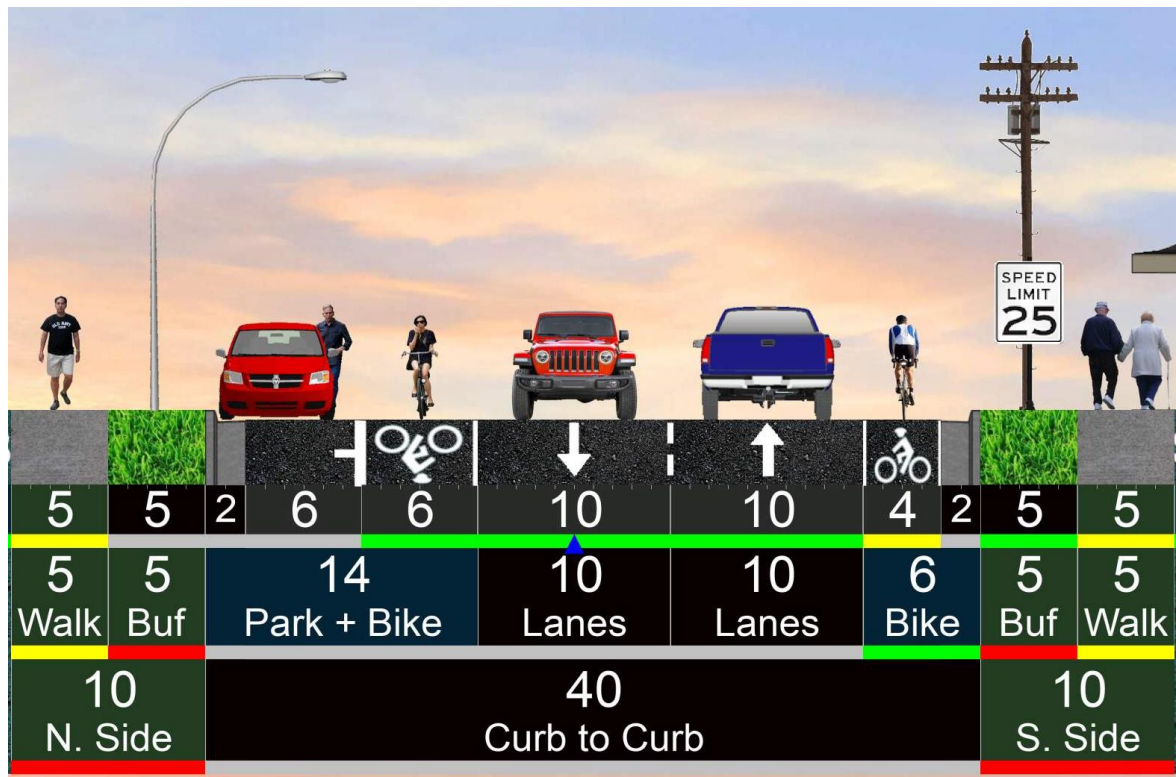




Proposed Cross Section

From Western Ave to Rice St: 2-lane street with bike lanes and parking on north side

- 40-feet from curb-to-curb
- 10-foot travel lanes
- 6-foot bike lanes
- one 8-foot parking lane on the northern side of street

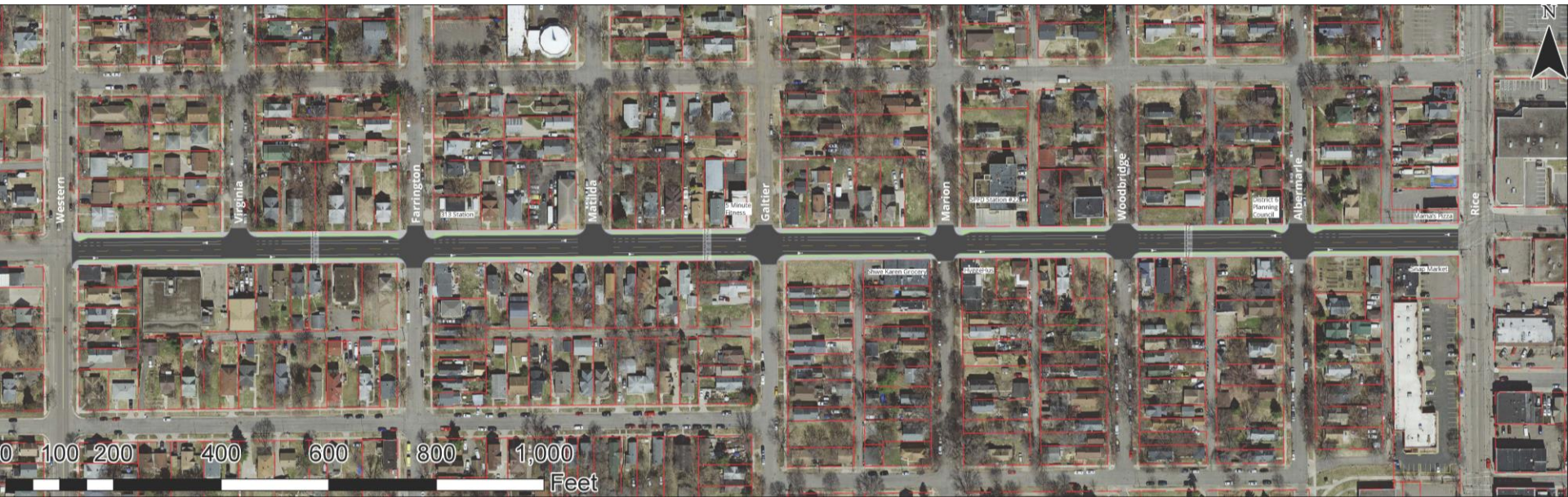




Proposed Layout

From Western Ave to Rice St: 2-lane street with bike lanes and parking on north side

- 40-feet from curb-to-curb
- 10-foot travel lanes
- 6-foot bike lanes
- One 8-foot parking lane on the northern side of street
- Targeted sidewalk extensions (bumpouts) at certain intersections (final location and extent will be dependent on cost estimates)





Adjacent Projects

- City successfully applied for federal funding for Crossroads Elementary to build sidewalks where gaps exist
 - Includes Front Ave + Lawson Ave, Kent St, Mackubin St to Marydale Park
- 2025 project
- Could also include bike lanes on Front Ave from Dale St to Western Ave
 - Currently shared lane markings on street
 - Draft layout yet to be determined
 - Dale St to Western Ave would be last bike gap along Front Ave



Crossroads SRTS Project Map

- Existing Sidewalks
- Existing Sidewalk Gaps
- Proposed Sidewalk Infill

0 200 400 800
Feet





Project Timeline

- Mill and Overlay is planned for 2023
- Tonight's meeting marks start of community engagement
 - A neighborhood open house will be scheduled in late November
 - Share existing conditions + proposed layout
 - Stakeholder conversations throughout
 - Corridor businesses
 - North End Neighborhood District Council
 - Crossroads Montessori
- Have draft layout for Council to review early 2023
- Construction late summer/early fall
 - Typically, M&Os are done in August/September



Discussion

- Any questions, comments or concerns about upcoming mill and overlay project?



Contact Information

Project webpage: stpaul.gov/projects/public-works/pw2023frontaveresurfacing

Project contact information:

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