



### Parking Study Summary

As part of the data gathering effort for the Grand Avenue reconstruction project, Public Works conducted a parking review within the project scope and on adjacent streets to determine the present supply and use of on-street parking spaces. This study also looked to determine the existing off-street parking supply for the corridor.

### Study Boundary

Grand Avenue from Fairview Avenue to Snelling Avenue

All cross streets extending one block beyond Grand Avenue

The study accounted for alleyways, driveway entrances, bus stops, parking restrictions and legal distances required at intersections. An on-street parking space was measured at 20 feet long to account for variable vehicle lengths and maneuvering space for vehicles to enter and exit a space.

Off-street spaces were counted by painted pavement markings within off-street parking facilities.

### Study Dates and Times

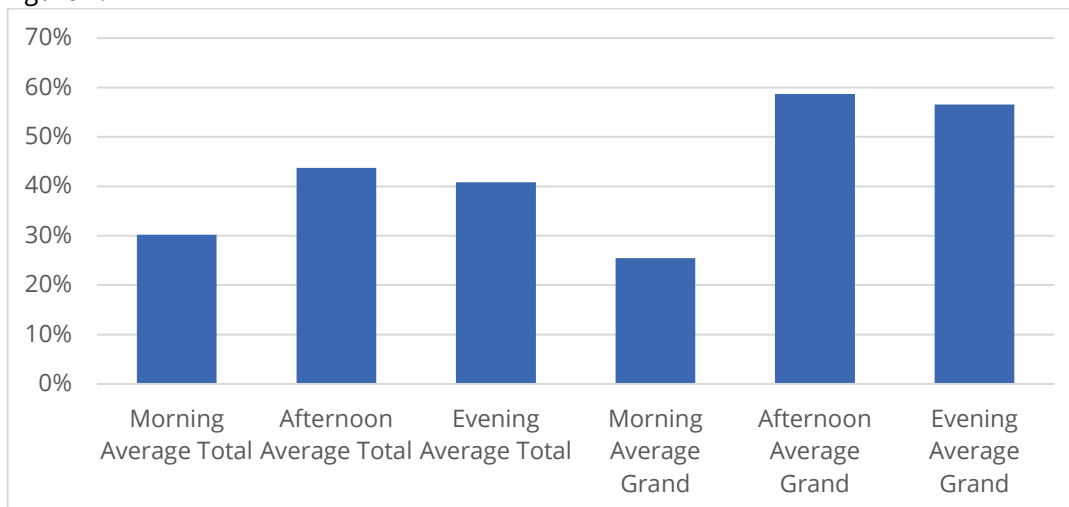
Two counts were taken during each phase of the day during weekdays and weekends (morning 6-8 AM, afternoon 11-1 PM, and evening 6-8 PM). The data was collected between May 11<sup>th</sup> and June 12<sup>th</sup>, 2022.

Four separate counts were taken in the afternoon and evening time frames, two on a weekday and two on a weekend, while two counts were taken during the morning hours on weekdays.

### Occupancy of On-Street Parking

The chart displayed in figure 1 displays the occupancy rates of the corridor as a whole, including cross streets, and for only Grand Avenue, for the three time periods described above.

Figure 1.





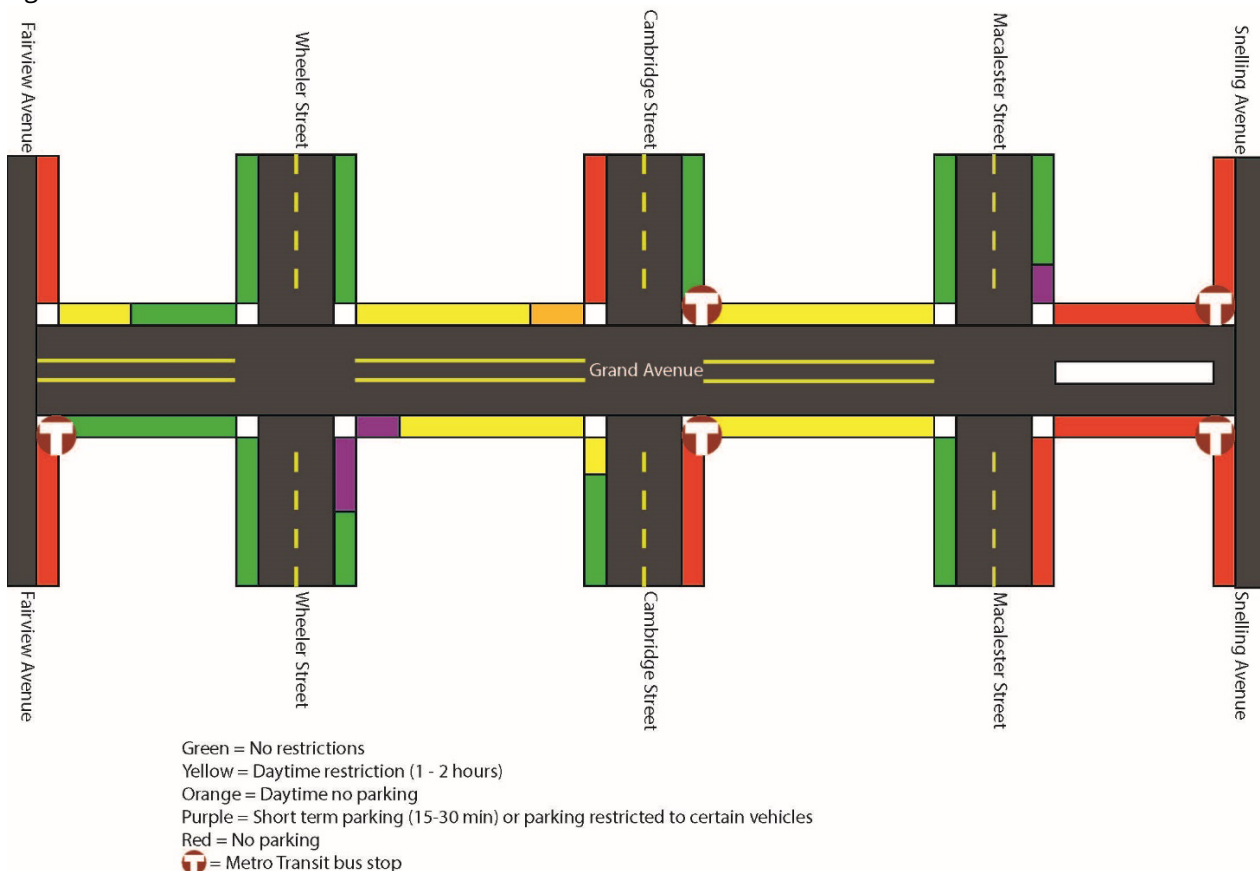
Generally, the chart shows observed parking occupancy:

- Grand Avenue has higher peaks in afternoon (59%) and evening (57%) occupancy than the corridor when including cross streets which sees 45% in the afternoon and 41% in the evening.
- Peaks in the afternoon time frame at 45% for the corridor as a whole and 59% for Grand Avenue.
- Evening average sees close to afternoon for occupancy, 57% on Grand Ave and 41% for the corridor.
- Morning occupancy is lower on Grand Ave (25%) than the corridor all together (30%).
- The Cambridge St to Macalester St block segment on Grand Ave saw the highest peak of usage in any timeframe with an average usage of 84% during the afternoon timeframe, average evening usage observed was 78%.

### The Current On-Street Parking Allocation

Grand Avenue features many various kinds of parking restrictions during the daytime, from timing limits like 2 hour or 30-minute restrictions, to bus stop restrictions and loading zone restrictions. These restrictions have been put in place to ensure turnover of vehicles patronizing the many businesses along the corridor, smoother transit operations and safety considerations at high pedestrian traffic crossings. Figure 2 shows the current state of on-street parking within the project corridor and crossing streets.

Figure 2.





**SAINT PAUL**  
PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS  
SEAN KERSHAW, DIRECTOR

25 West 4<sup>th</sup> Street, 1500 City Hall Annex  
Saint Paul, MN 55102  
Tel: 651-266-6100 | Fax: 651-266-6222

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Total legal parking spaces along Grand Avenue within the project scope totals 134 spaces, with 132 spaces on cross streets and 355 off-street spaces found on private property.

**Day-by-Day Figures for Parking Occupancy**

The following figures displays parking counts for each day and each block during the study period.

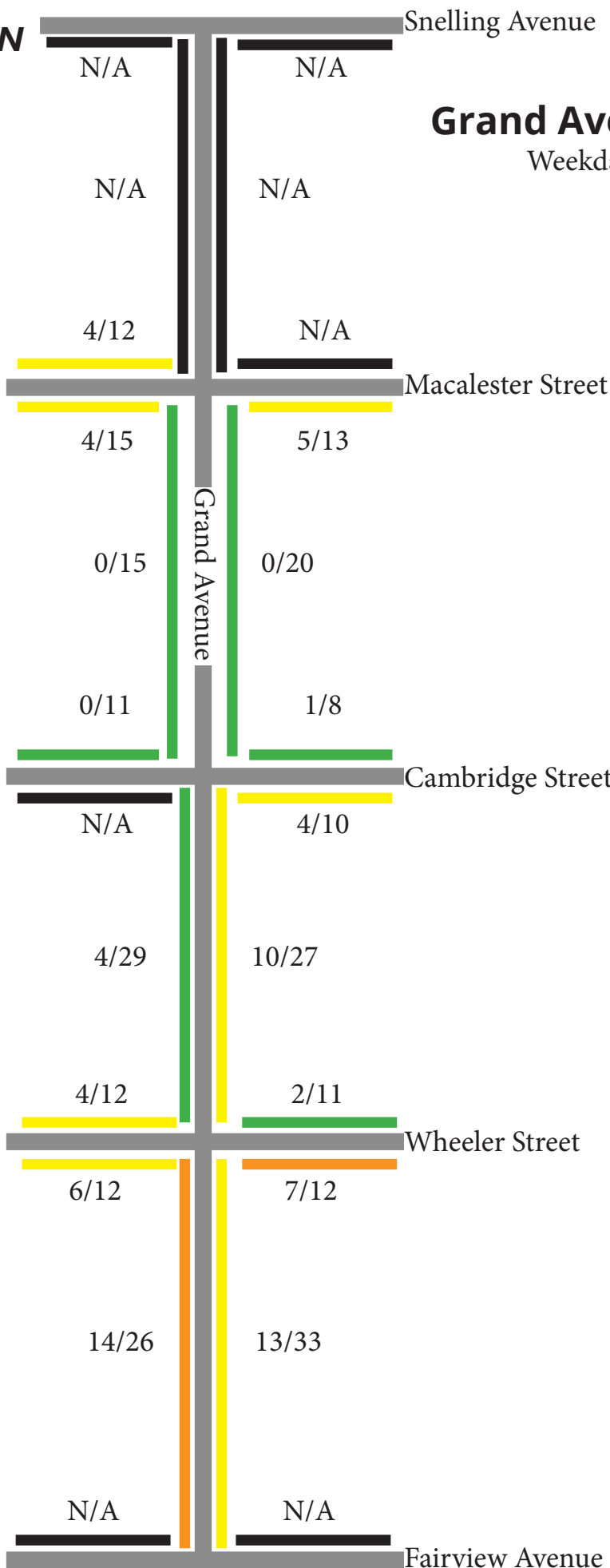


Snelling Avenue

# Grand Avenue Parking Utilization






Weekday Morning (6:00 AM - 8:00 AM)

Wednesday 5/11/2022



## Legend

Observed parking utilization

-  Parking prohibited
-  0%-25%
-  26%-50%
-  51%-75%
-  76%-100%

Example: 4/8 = observed parked vehicles / estimated legal parking capacity of between intersections

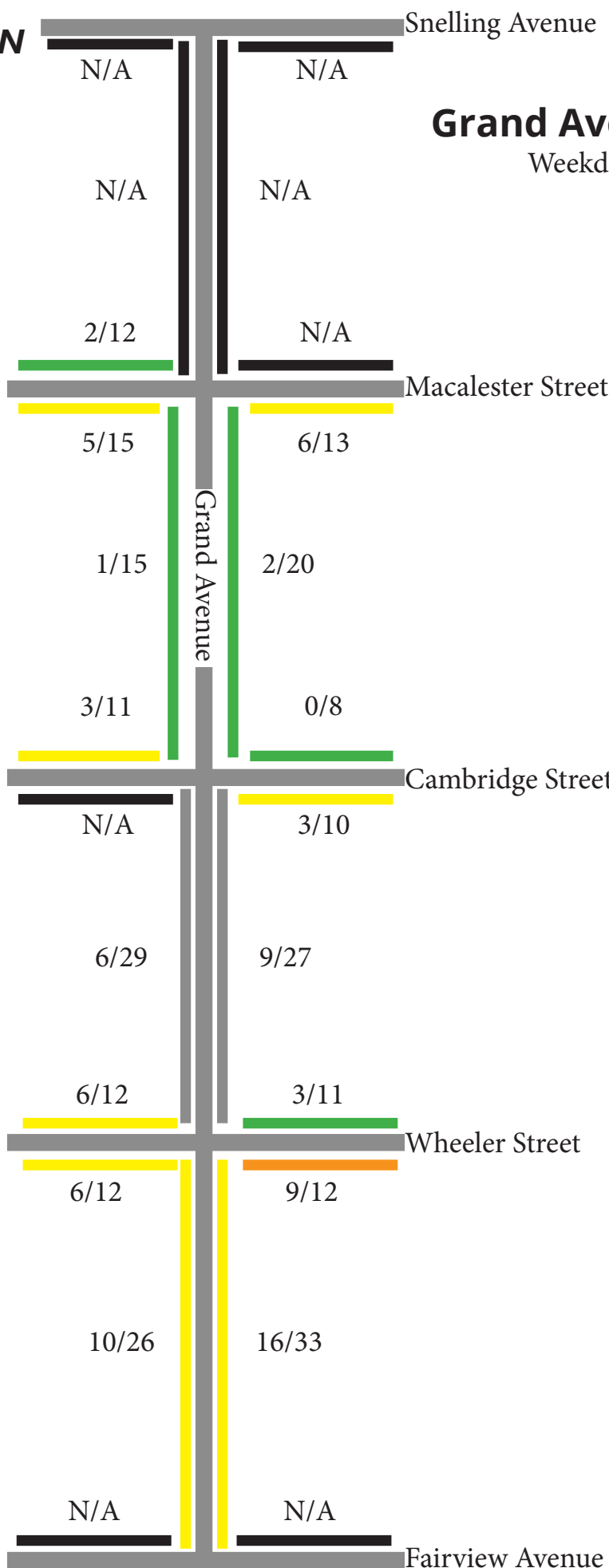


Snelling Avenue

# Grand Avenue Parking Utilization

Weekday Morning (6:00 AM - 8:00 AM)

Wednesday 6/1/2022



## Legend

- Observed parking utilization
- Parking prohibited
- 0%-25%
- 26%-50%
- 51%-75%
- 76%-100%

Example: 4/8 = observed parked vehicles / estimated legal parking capacity of between intersections

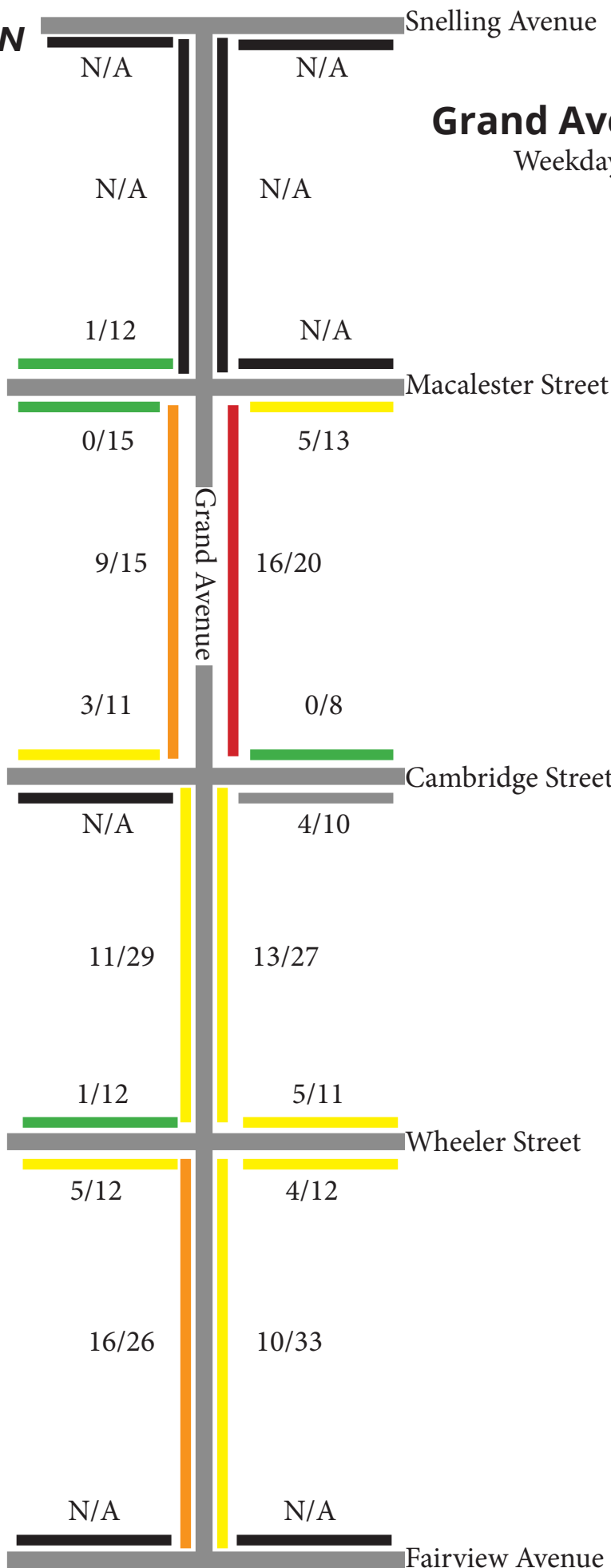


Snelling Avenue

# Grand Avenue Parking Utilization

Weekday Afternoon (11:00 AM - 1:00 PM)

Thursday 5/19/2022



## Legend

Observed parking utilization

- Parking prohibited
- 0%-25%
- 26%-50%
- 51%-75%
- 76%-100%

Example: 4/8 = observed parked vehicles / estimated legal parking capacity of between intersections

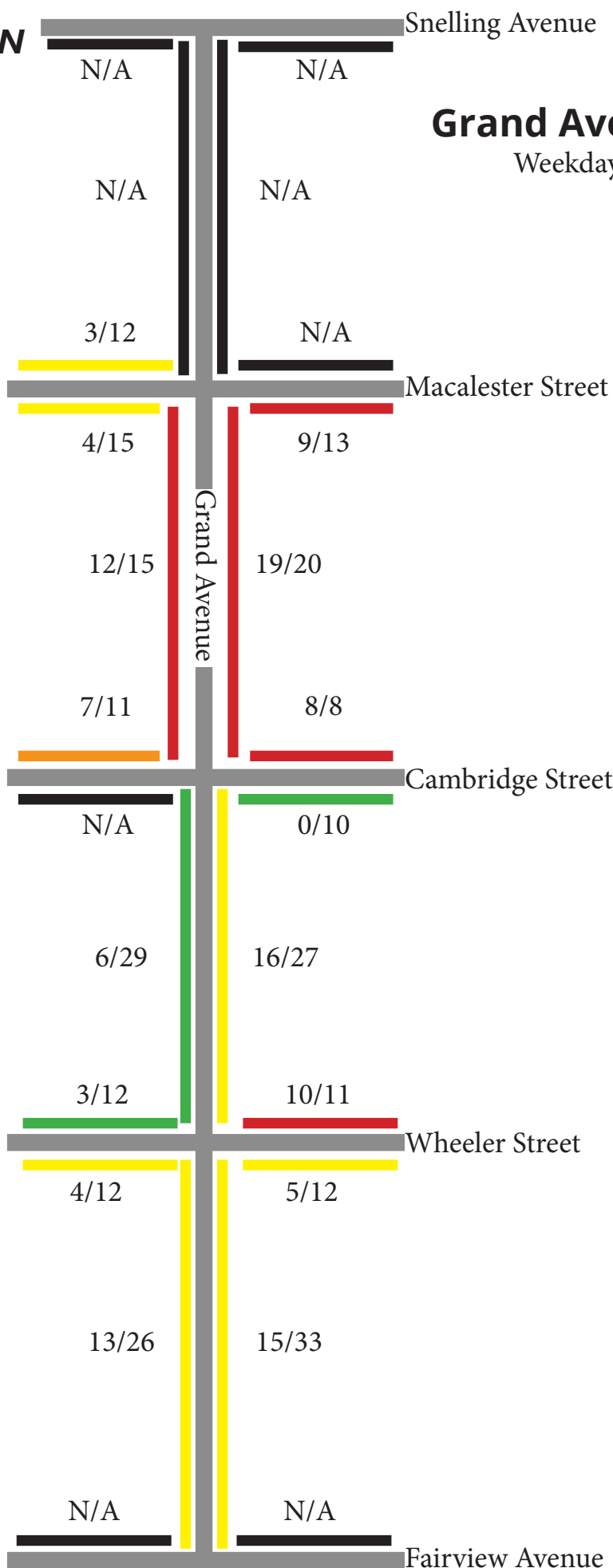


Snelling Avenue

# Grand Avenue Parking Utilization

Weekday Afternoon (11:00 AM - 1:00 PM)

Monday 5/23/2022



## Legend

- Observed parking utilization
- Parking prohibited
- 0%-25%
- 26%-50%
- 51%-75%
- 76%-100%

Example: 4/8 = observed parked vehicles / estimated legal parking capacity of between intersections

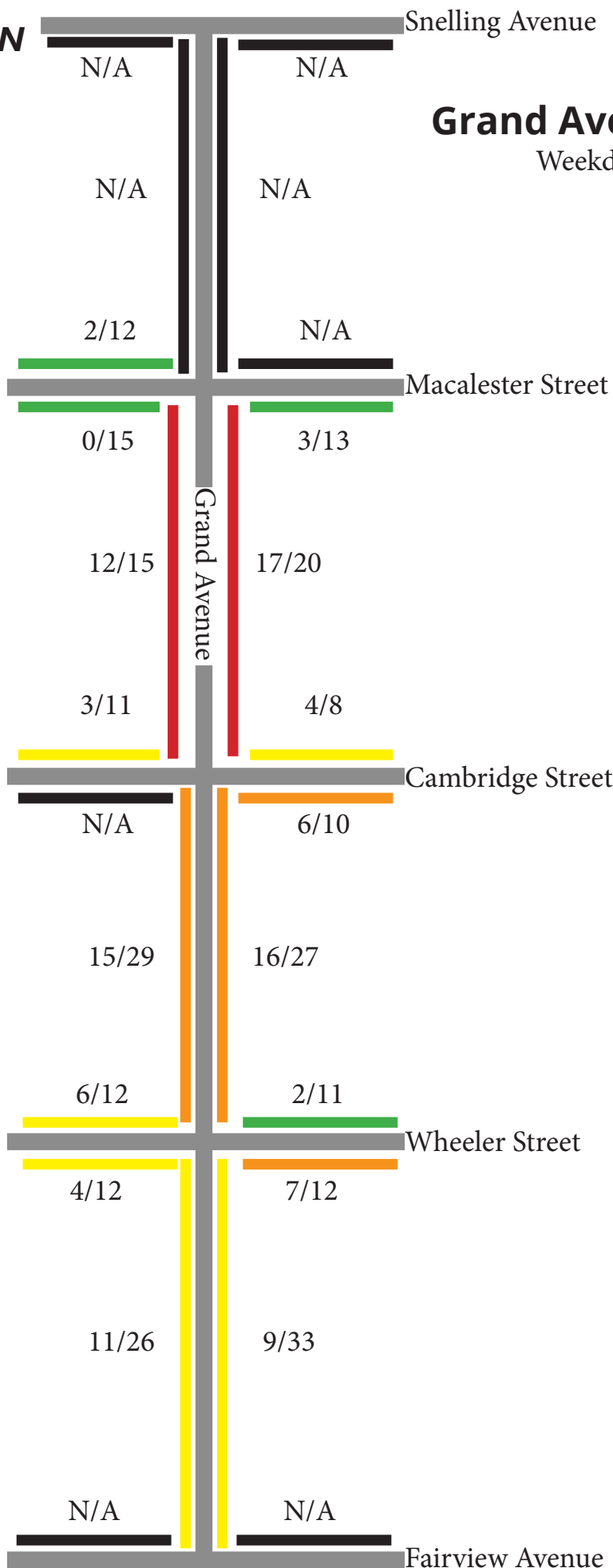


Snelling Avenue

# Grand Avenue Parking Utilization

Weekday Evening (6:00 PM - 8:00 PM)

Thursday 6/2/2022



## Legend

Observed parking utilization

- Parking prohibited
- 0%-25%
- 26%-50%
- 51%-75%
- 76%-100%

Example: 4/8 = observed parked vehicles / estimated legal parking capacity of between intersections





Snelling Avenue

N/A

N/A

# Grand Avenue Parking Utilization

Weekday Evening (6:00 PM - 8:00 PM)

Thursday 5/26/2022

N/A

N/A

1/12

N/A

Macalester Street

1/15

5/13

10/15

15/20

Grand Avenue

9/11

0/8

Cambridge Street

N/A

3/10

19/29

18/27

5/12

6/11

Wheeler Street

3/12

0/12

8/26

13/33

N/A

N/A

Fairview Avenue

## Legend

Observed parking utilization

 Parking prohibited

 0%-25%

 26%-50%

 51%-75%

 76%-100%

Example: 4/8 = observed parked vehicles / estimated legal parking capacity of between intersections

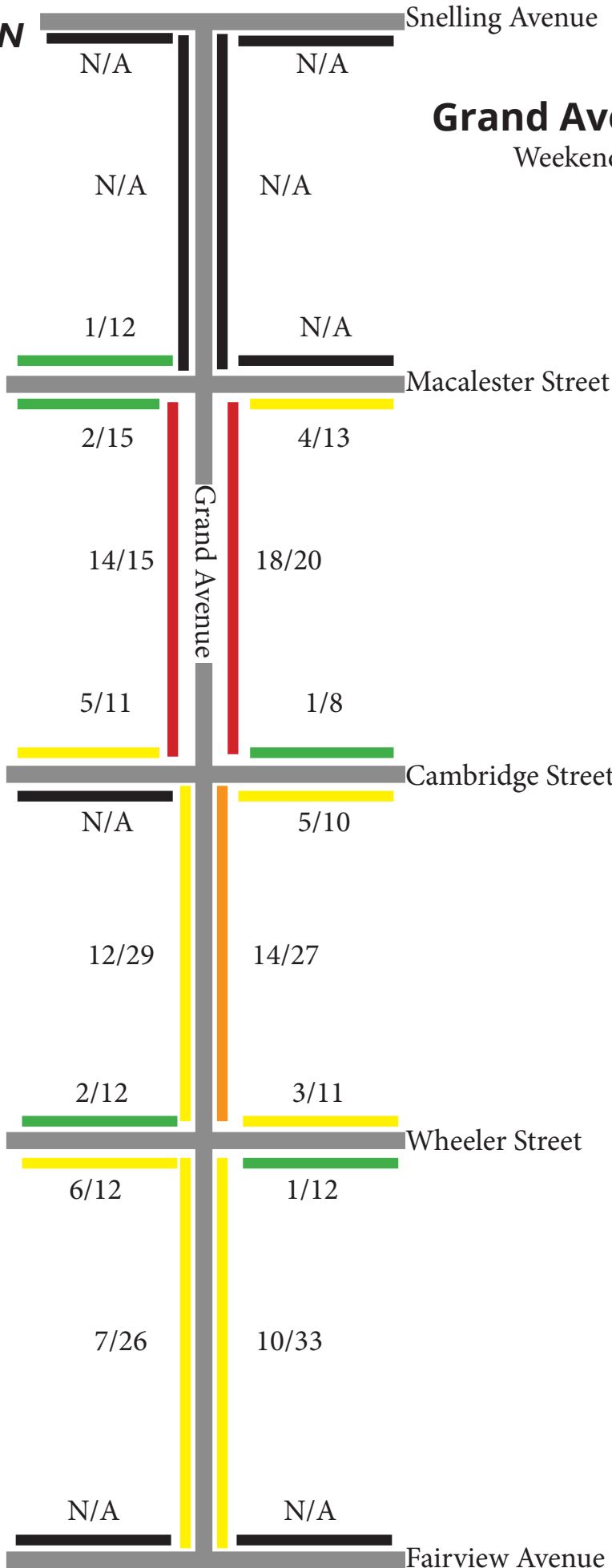


Snelling Avenue

# Grand Avenue Parking Utilization






Weekend Afternoon (11:00 AM - 1:00 PM)

Saturday 6/4/2022



## Legend

Observed parking utilization

-  Parking prohibited
-  0%-25%
-  26%-50%
-  51%-75%
-  76%-100%

Example: 4/8 = observed parked vehicles / estimated legal parking capacity of between intersections

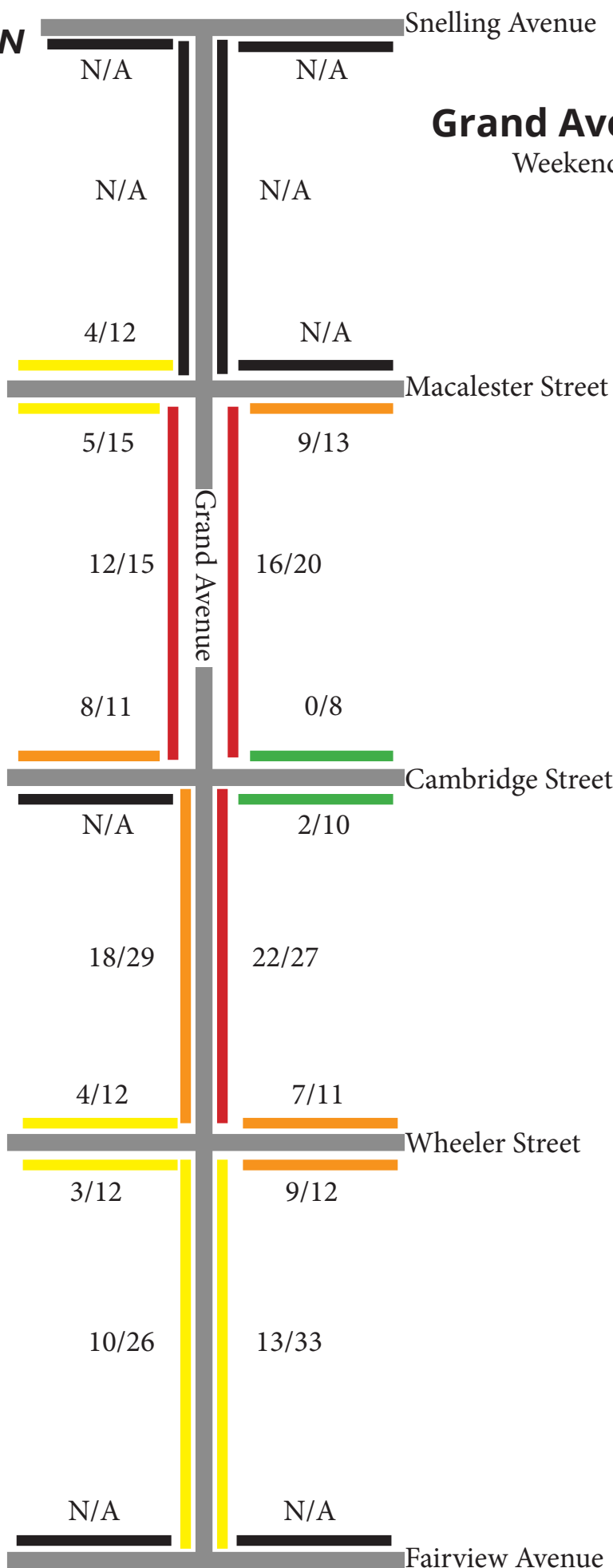


Snelling Avenue

# Grand Avenue Parking Utilization

Weekend Afternoon (11:00 AM - 1:00 PM)

Saturday 6/11/2022



## Legend

- Observed parking utilization
- Parking prohibited
- 0%-25%
- 26%-50%
- 51%-75%
- 76%-100%

Example: 4/8 = observed parked vehicles / estimated legal parking capacity of between intersections

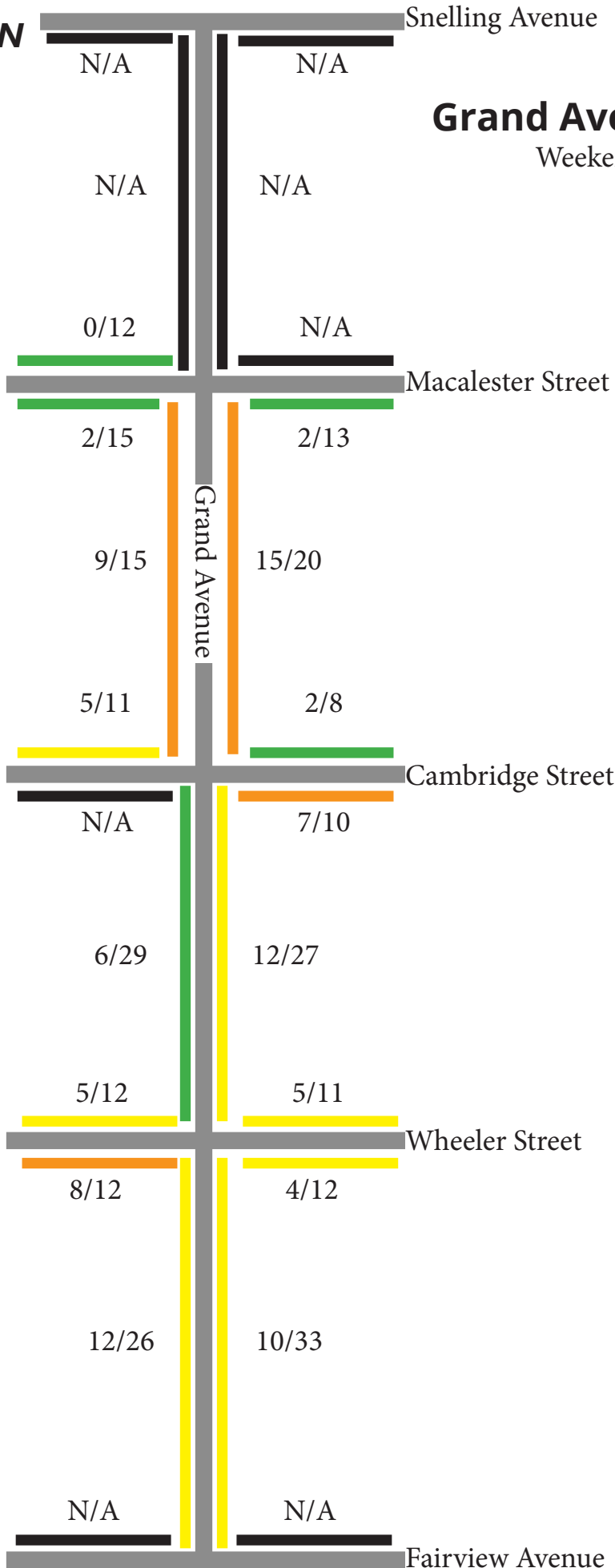


Snelling Avenue

# Grand Avenue Parking Utilization

Weekend Evening (6:00 PM - 8:00 PM)

Saturday 5/28/2022



## Legend

Observed parking utilization

- Parking prohibited
- 0%-25%
- 26%-50%
- 51%-75%
- 76%-100%

Example: 4/8 = observed parked vehicles / estimated legal parking capacity of between intersections



Snelling Avenue

N/A

N/A

# Grand Avenue Parking Utilization

Weekend Evening (6:00 PM - 8:00 PM)

Sunday 6/12/2022

N/A

N/A

4/12

N/A

Macalester Street

4/15

5/13

Grand Avenue

13/15

17/20

6/11

0/8

Cambridge Street

N/A

6/10

15/29

18/27

2/12

3/11

Wheeler Street

4/12

6/12

12/26

11/33

N/A

N/A

Fairview Avenue

## Legend

Observed parking utilization

 Parking prohibited

 0%-25%

 26%-50%

 51%-75%

 76%-100%

Example: 4/8 = observed parked vehicles / estimated legal parking capacity of between intersections