

# Williamson St—Peak Hour Lane Removal Test

# Parking Restriction Changes

## Eastbound:

Currently: No Stopping Standing or Parking 4:00 p.m. to 5:30 p.m.

Test: No Parking, Thursdays, 11am to 1pm

## Westbound:

Currently: No Stopping Standing or Parking 7:00 a.m. to 8:30 a.m.

Test: No Parking, Thursdays, 9am to 11am

## Sign Totals:

102—Sign removal

108—Sign install

16—New signposts

10—Signposts to remove



MATCH LINE 2

INSTALL 2HR PR 8AM-6PM EX. SUN & CITY HOL  
EX. SL 25 TO REMAIN.

REMOVE NSSP AND 2HR PR  
INSTALL NPHTC AND NP  
10AM-12PM THURSDAY  
EX. ASP TO REMAIN.

WILLIAMSON ST

REMOVE NSSP.  
INSTALL NP 10AM-2PM WEDNESDAYS AND 2HR  
PR 8AM-6PM EX. SUN & CITY HOL

REMOVE NSSP.  
INSTALL NPHTC AND NP 10AM-2PM WEDNESDAY

S. PATERSON ST

REMOVE NSSP  
SIGN AND POLE

INSTALL NPHTC AND NP  
10AM-2PM THURSDAYS  
ON NEW POST.

MATCH LINE 3

MATCH LINE 3

REMOVE NSSP.  
INSTALL NP 10AM-2PM THURSDAYS



REMOVE NSSP.  
INSTALL NP 10AM-2PM THURSDAYS



REMOVE NSSP.  
INSTALL NP 10AM-2PM THURSDAYS  
EX. ASP TO REMAIN.



REMOVE NSSP AND 2HR PR  
INSTALL NPHTC AND NP  
10AM-12PM THURSDAY

WILLIAMSON ST



REMOVE NSSP.  
INSTALL NP 10AM-2PM WEDNESDAYS

REMOVE NSSP.  
INSTALL NPHTC AND NP  
10AM-2PM WEDNESDAYS

S. BREARLY ST

MATCH LINE 4

WILLIAMSON ST - PROPOSED SIGNS

WILLIAMSON ST - PEAK HOUR

MADISON, WI

TE

SM-2



TE

SM-2



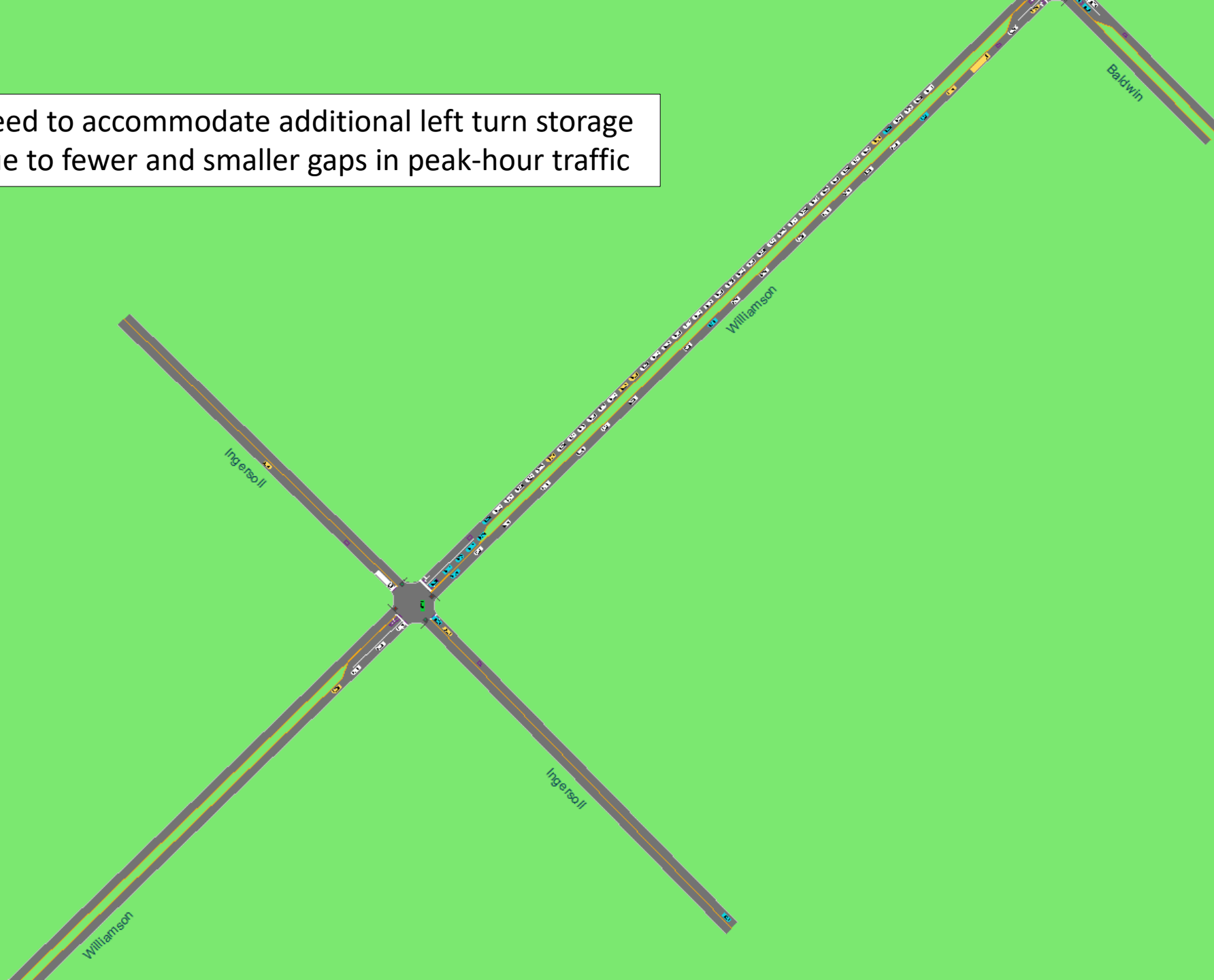
TE

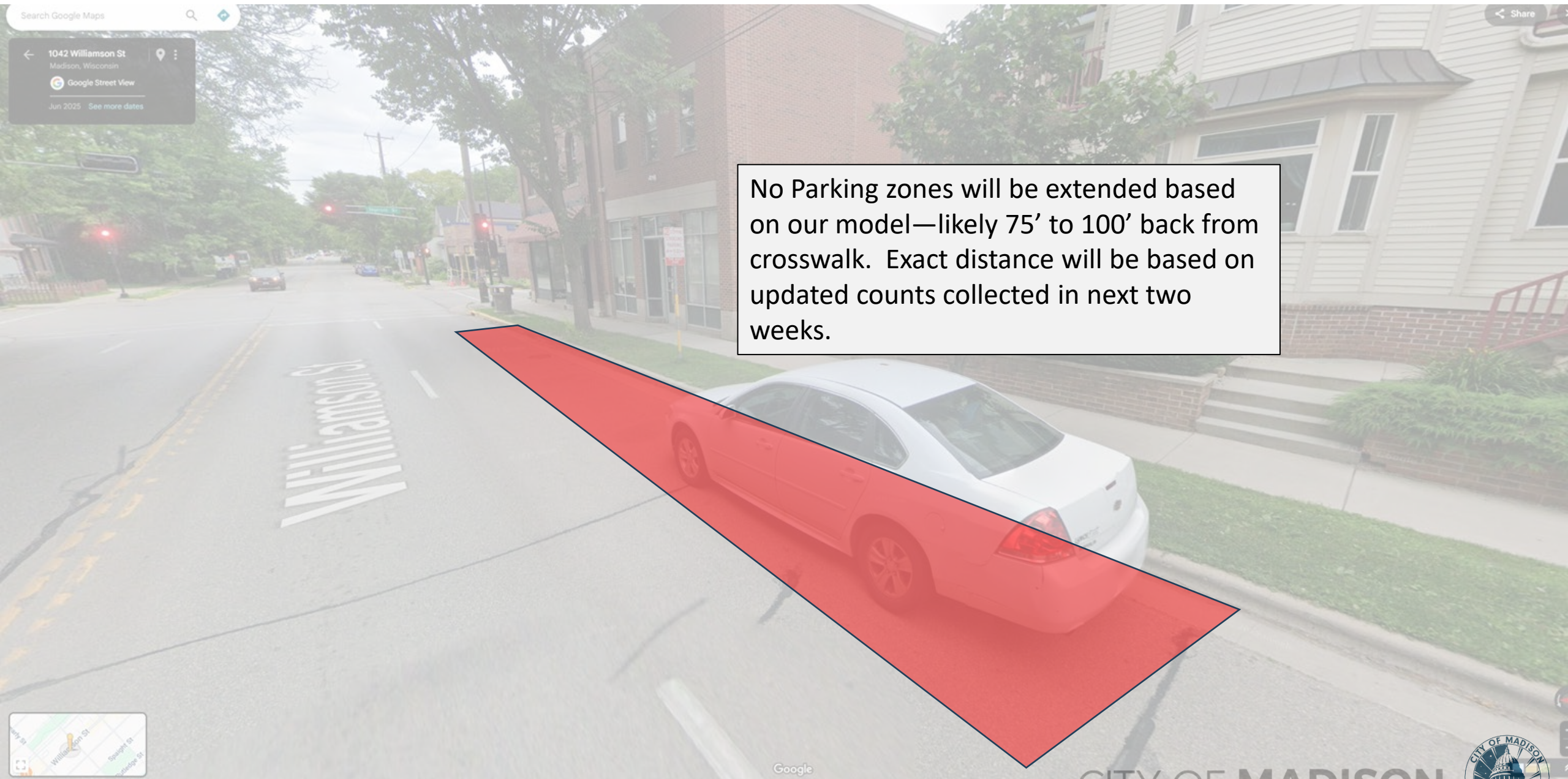
SM-2

TE

SM-2

Need to accommodate additional left turn storage  
due to fewer and smaller gaps in peak-hour traffic





No Parking zones will be extended based on our model—likely 75' to 100' back from crosswalk. Exact distance will be based on updated counts collected in next two weeks.

# Potential Removal of Peak-Hour travel lanes

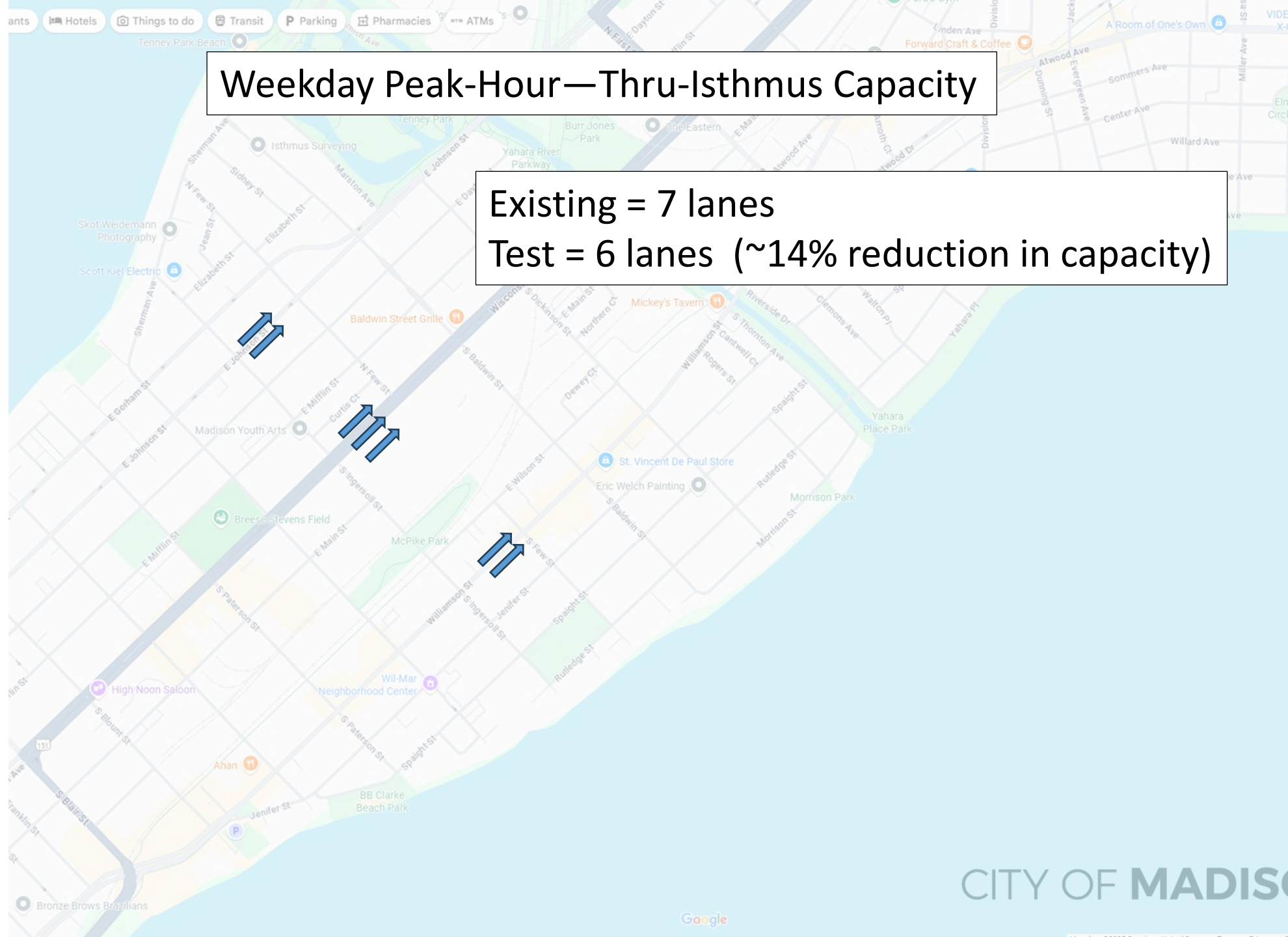
## Schedule



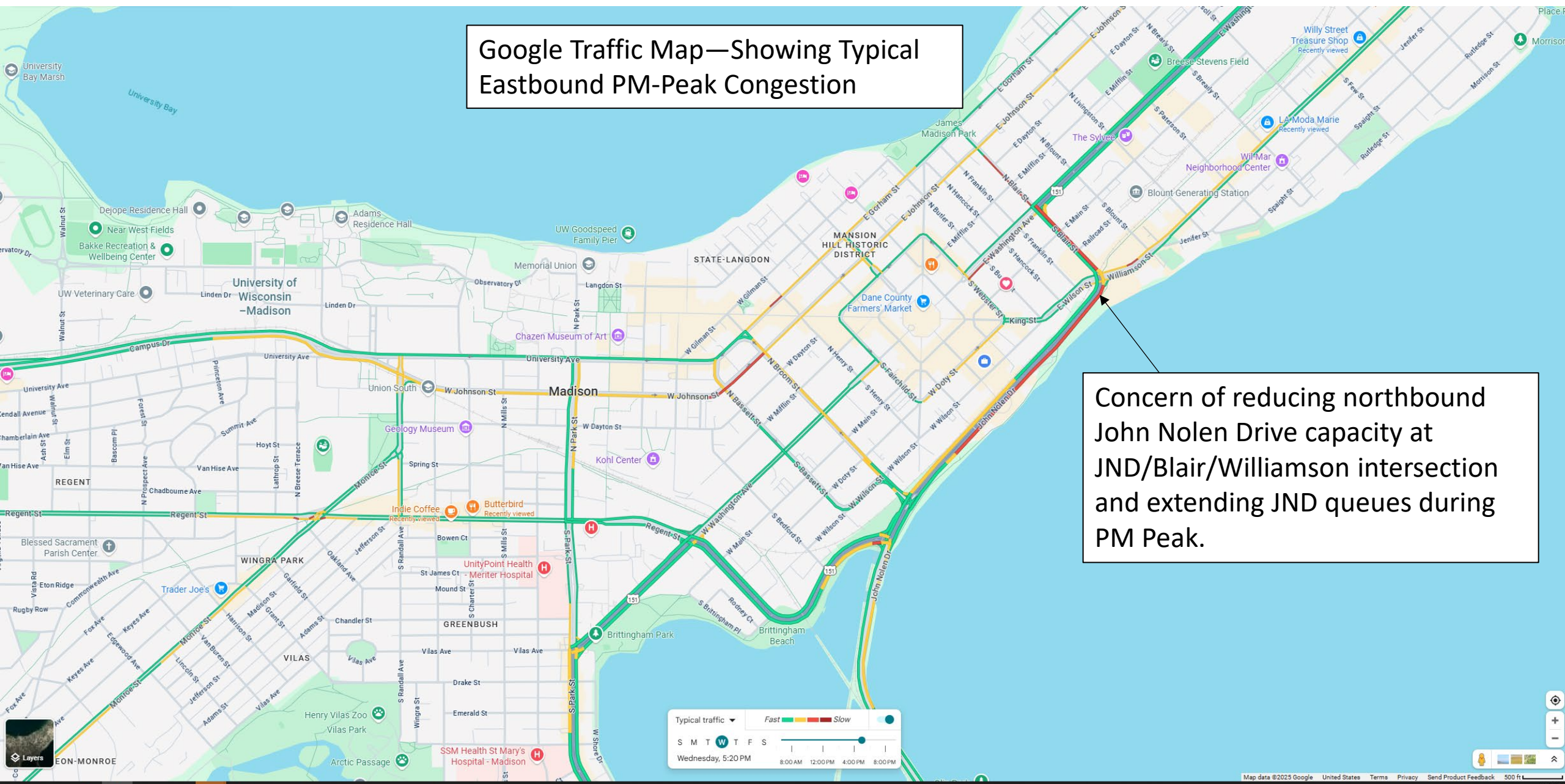
## Weekday Peak-Hour—Thru-Isthmus Capacity

Existing = 7 lanes

Test = 6 lanes (~14% reduction in capacity)



Google Traffic Map—Showing Typical Eastbound PM-Peak Congestion



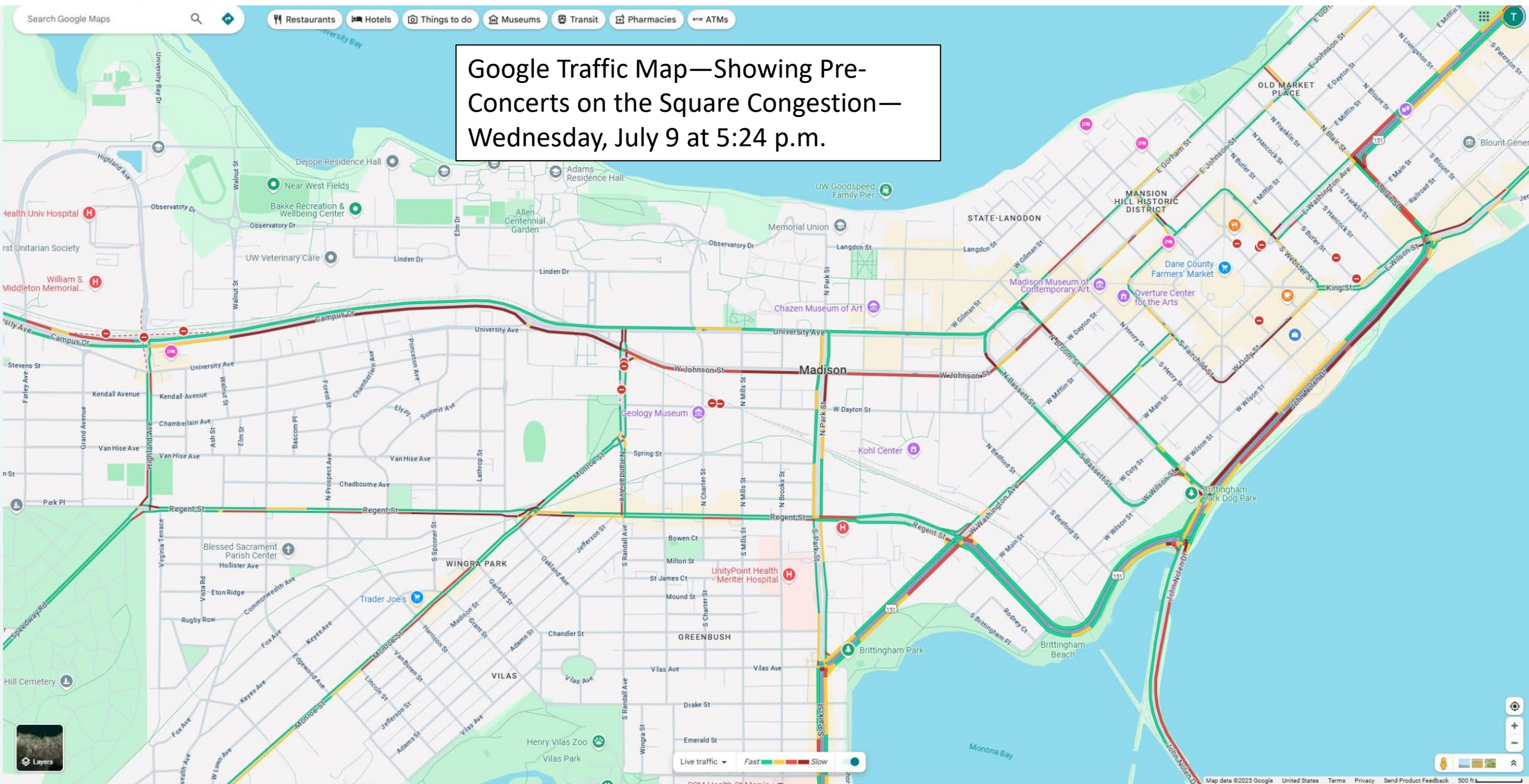
Concern of reducing northbound John Nolen Drive capacity at JND/Blair/Williamson intersection and extending JND queues during PM Peak.







Google Traffic Map—Showing Pre-Concerts on the Square Congestion—Wednesday, July 9 at 5:24 p.m.



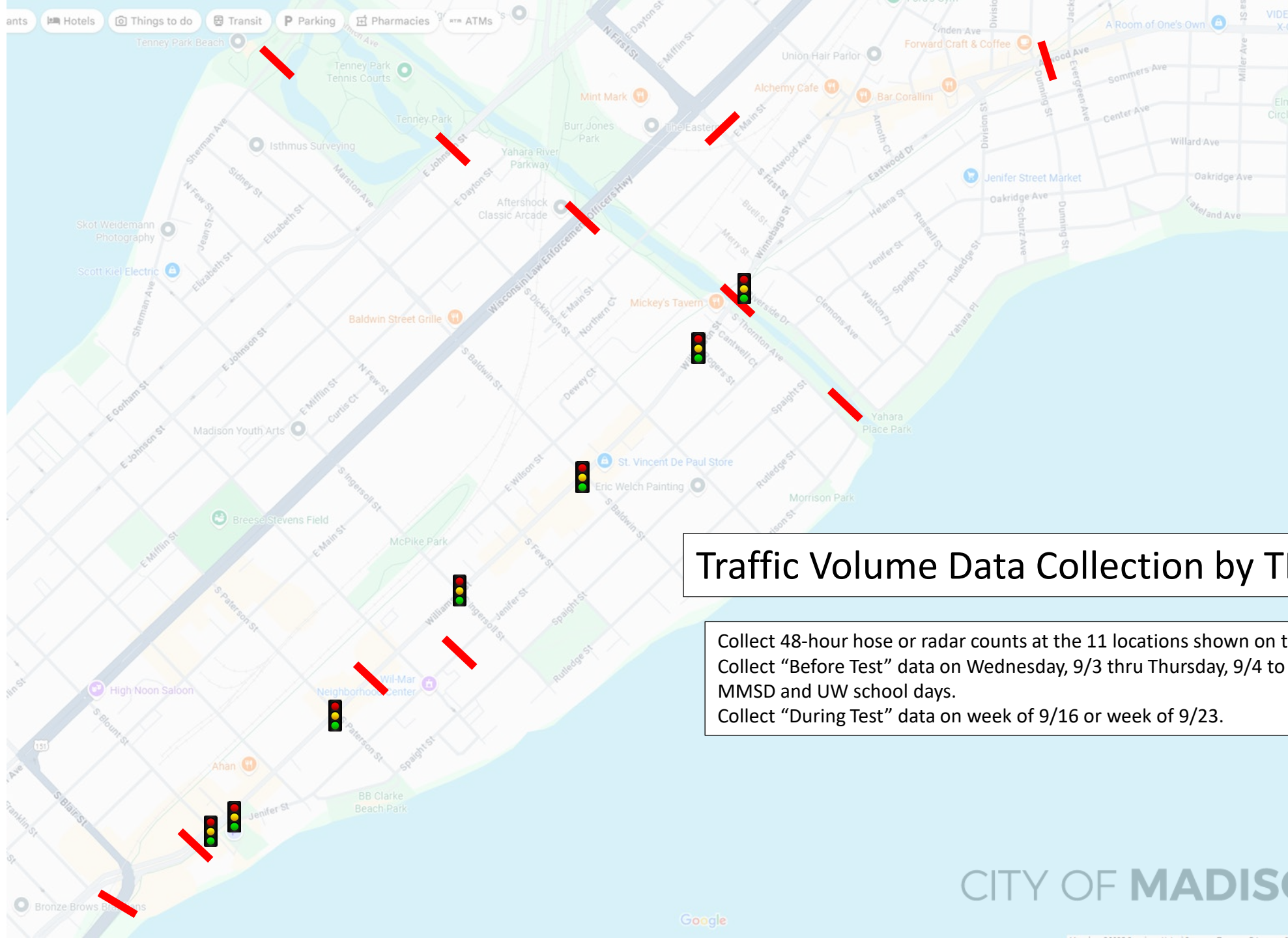
# Data Collection

# Streetlight Data



- Relies on large timeframes
- Uses connected vehicle data
- Lag in data availability
  - Test data would not be available for minimum of 6-12 months
- Williamson Street (~17,000 veh/day) is a good candidate
- Typically, within 10-15% of ground counts.

# Traffic Engineering Counts



## Traffic Volume Data Collection by TE Staff

Collect 48-hour hose or radar counts at the 11 locations shown on this map.  
Collect "Before Test" data on Wednesday, 9/3 thru Thursday, 9/4 to capture MMSD and UW school days.  
Collect "During Test" data on week of 9/16 or week of 9/23.

## AM Peak Travel Time Data

Collect travel times on a Tuesday-Thursday starting around 7:30 a.m.  
Collect "Before Test" data on Wednesday, 9/3 thru Thursday, 9/4 to capture MMSD and UW school days.  
Collect "During Test" data on week of 9/16 or week of 9/23.  
Start right after crossing First St.  
End when entering the Monona Terrace Tunnel.

Start

End

# AM Peak Travel Time Data

Collect travel times on a Tuesday-Thursday starting around 7:30 a.m.  
Collect "Before Test" data on Wednesday, 9/3 thru Thursday, 9/4 to capture MMSD and UW school days.  
Collect "During Test" data on week of 9/16 or week of 9/23.  
Start at the Yahara River Bridge.  
End when entering the Monona Terrace Tunnel.

Start

End

CITY OF MADISON



## PM Peak Travel Time Data

Collect travel times on a Tuesday-Thursday between 4:30 p.m. and 5:30 p.m.  
Collect "Before Test" data on Wednesday, 9/3 thru Thursday, 9/4 to capture MMSD and UW school days.  
Collect "During Test" data on week of 9/16 or week of 9/23.  
Start after crossing Broom Street.  
End when crossing Thornton Ave.

End

Note time to cross  
Blair/Williamson  
intersection

Start

## PM Peak Travel Time Data

Collect travel times on a Tuesday-Thursday between 4:30 p.m. and 5:30 p.m.  
Collect "Before Test" data on Wednesday, 9/3 thru Thursday, 9/4 to capture MMSD and UW school days.  
Collect "During Test" data on week of 9/16 or week of 9/23.  
Start after crossing Broom Street.  
End when crossing the Yahara River bridge.

End

Note time to cross  
Blair/Williamson  
intersection

Start

# PM Peak Travel Time Data

Collect travel times on a Tuesday-Thursday between 4:30 p.m. and 5:30 p.m.  
Collect "Before Test" data on Wednesday, 9/3 thru Thursday, 9/4 to capture MMSD and UW school days.  
Collect "During Test" data on week of 9/16 or week of 9/23.  
Start after crossing over Highland Ave  
End when crossing the Yahara River bridge.

Start

Note time when crossing  
Randall Ave

Note time when crossing  
State Street

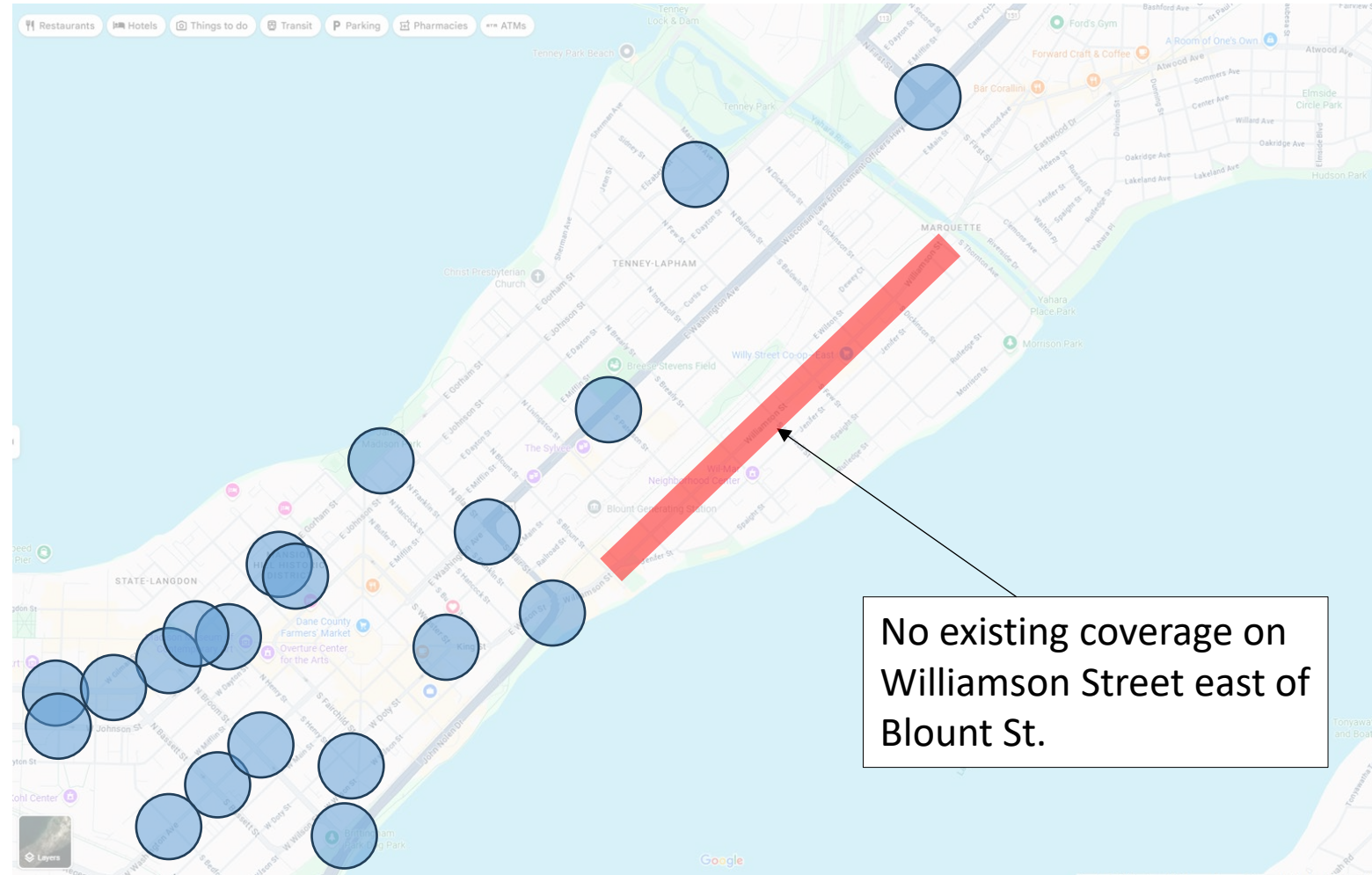
End

Count left turns from Williamson Street to Baldwin St and to Ingersoll St from 4:45 p.m. to 5:15 p.m. on a Tuesday, Wednesday, or Thursday between Tuesday, 8/19 and Wednesday 8/27.



# Traffic Cameras for Monitoring Test

- Installing new traffic cameras not feasible for a 2025 test (funding & schedule)
- Instead, rely on local video setups and drone video



# Cost Estimate

Data Collection--\$8,000

Sign Changes--\$14,000

Staff Office Time--\$2,000

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**Total--\$24,000**