

# City of Madison Bus Rapid Transit

ITS Wisconsin Conference

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# City of Madison BRT

Madison Bus Rapid Transit Overview

Org Chart

Routes/Running Way & Stations

Station Locations

Western Segment (Mineral Point, Whitney Way, Sheboygan, University Ave)

Eastern Segment (Downtown & East Washington)

Traffic Components

Peak Hour Bus Lane

Left Turn Lanes

Communications (Transit Signal Priority)

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# Project Team – over 100 staff assisting with project



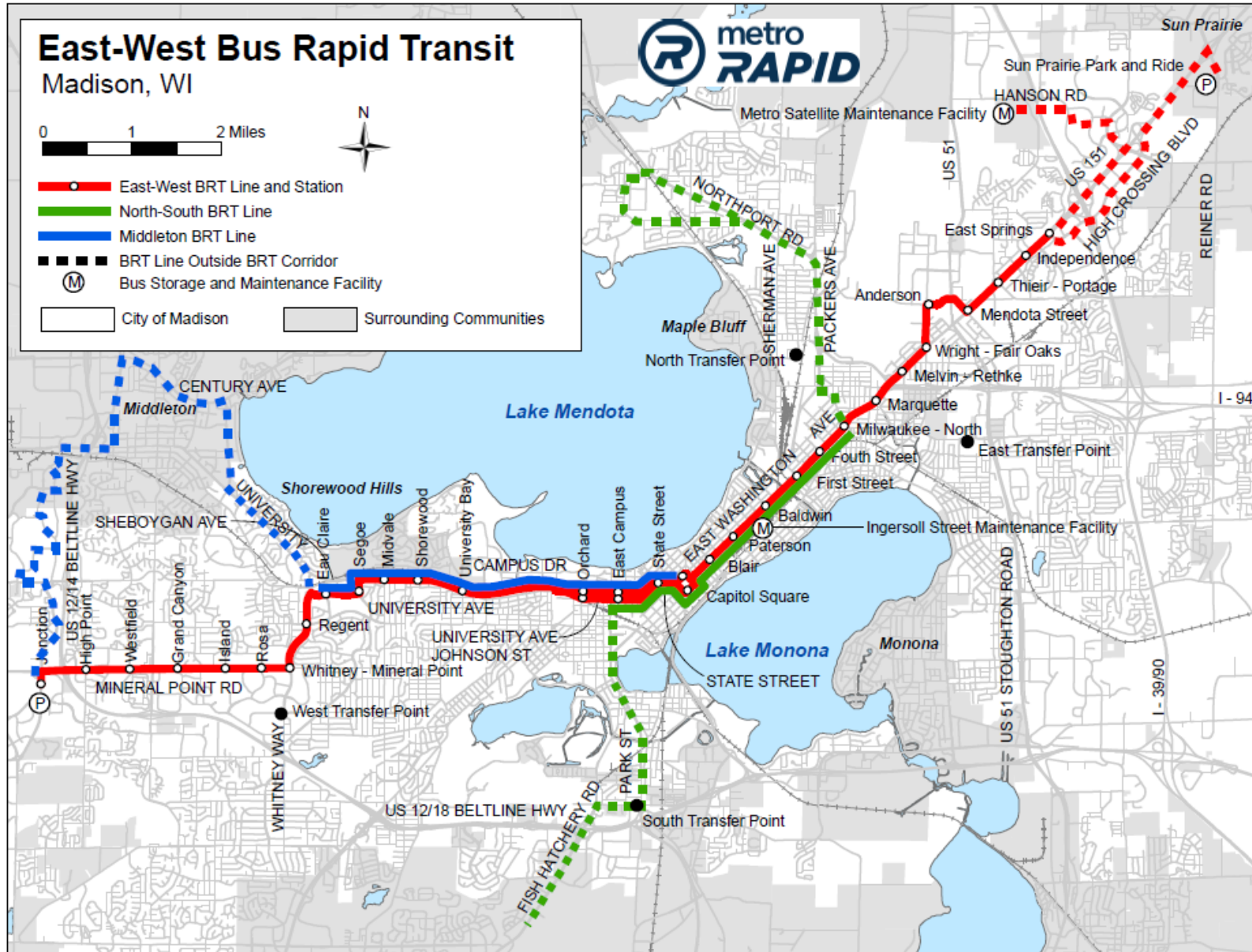


# Overview of BRT – high quality, cost-effective transit system

- Direct routes and fewer stops
- Improved boarding
- Bus-only lanes
- Transit signal priority

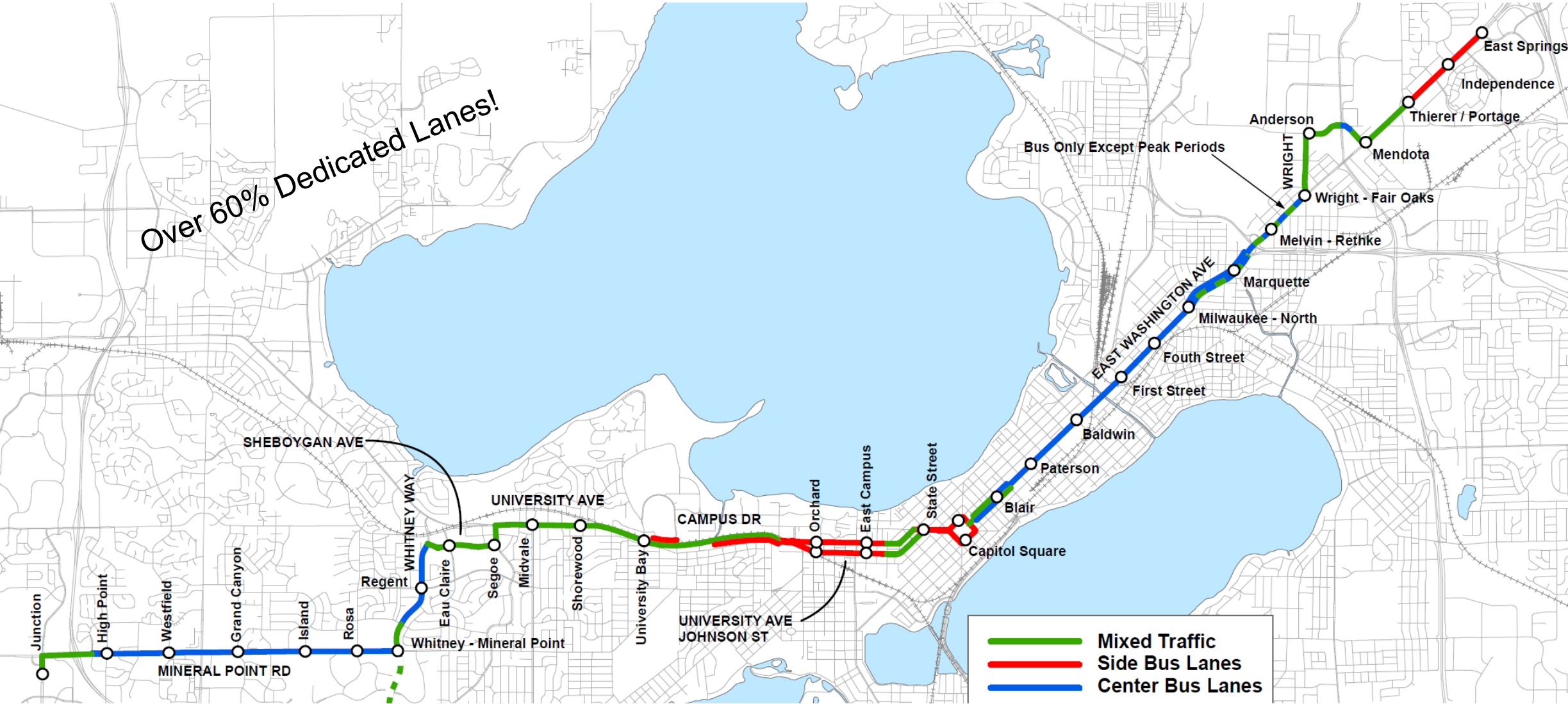


# City of Madison BRT Routes – connecting key corridors

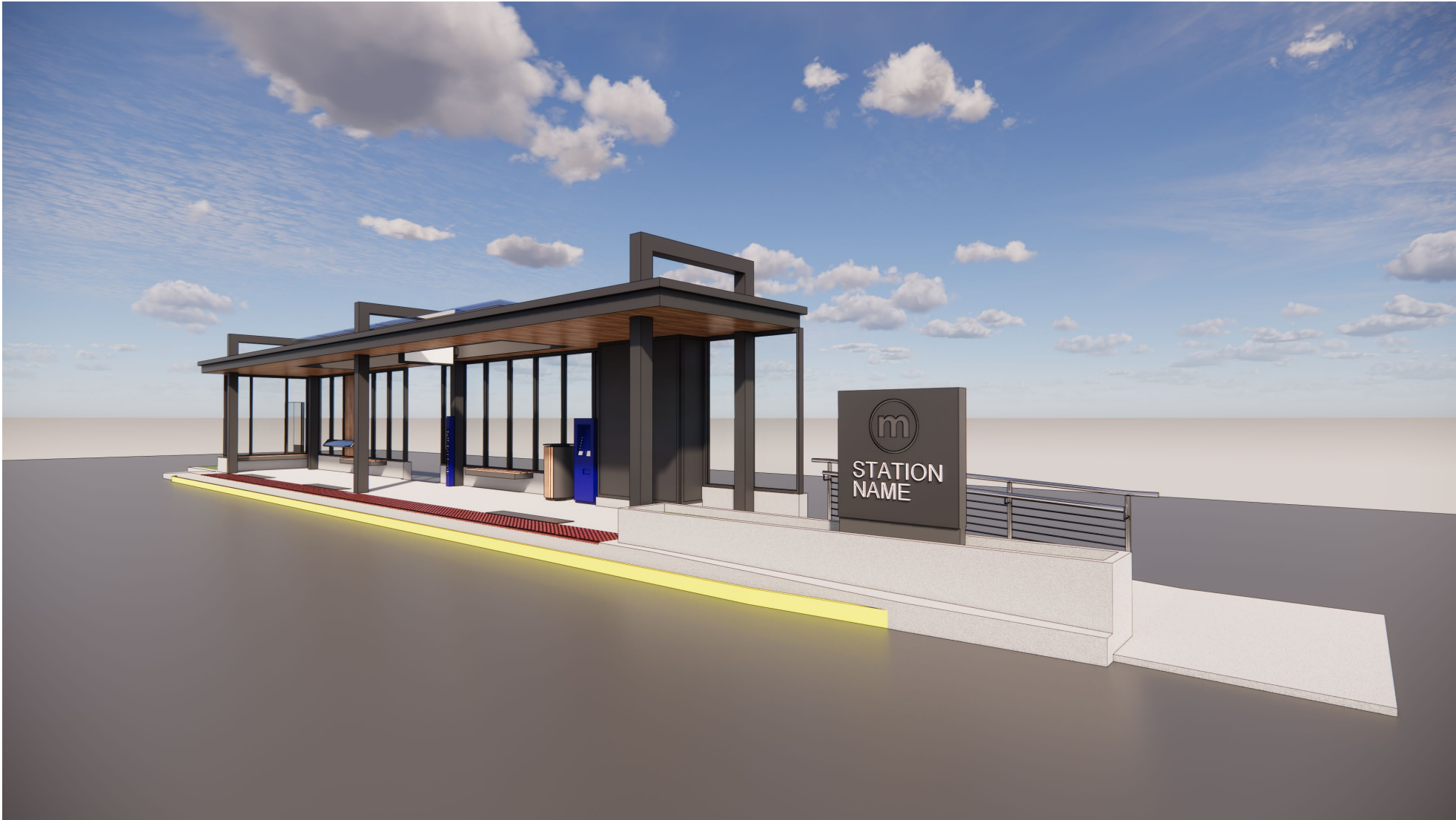




# City of Madison BRT Running Way – majority dedicated lane



# City of Madison BRT Stations – high quality experience



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Mineral Point Road  
Widened Sidewalk

Renderings are conceptual





Whitney Way  
Regent Street

Renderings are conceptual





Sheboygan Avenue  
Eau Claire Avenue

Renderings are conceptual



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State Street  
Eastbound

Renderings are conceptual





Capitol Square  
Eastbound

Renderings are conceptual





East Washington  
4<sup>th</sup> Street

Renderings are conceptual



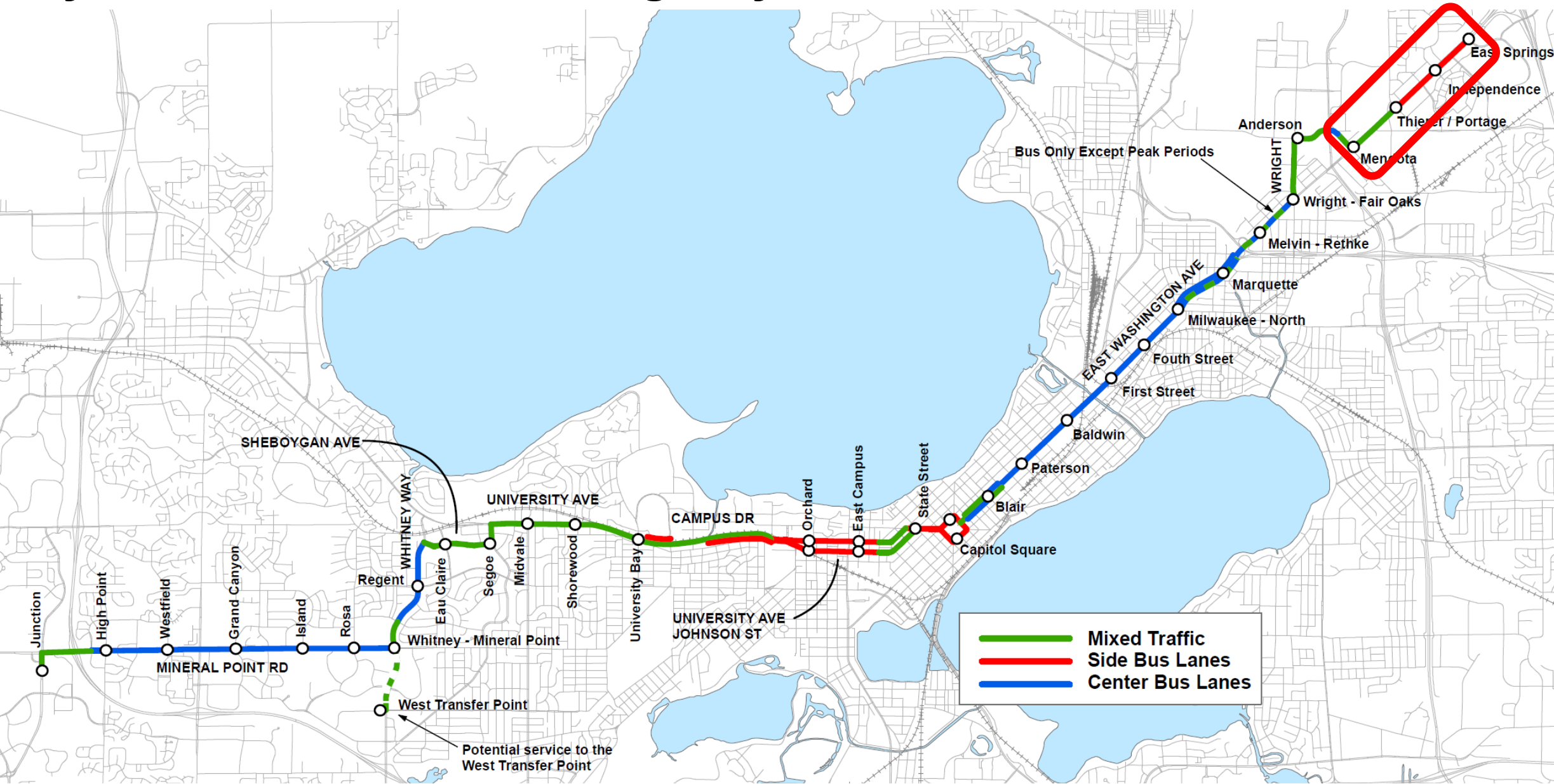


East Washington  
Independence Lane

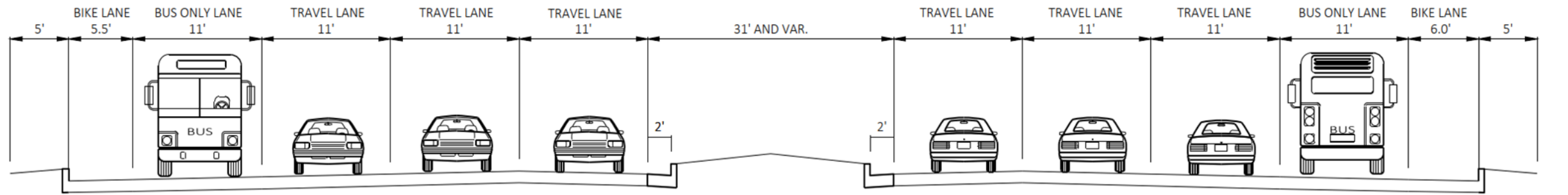
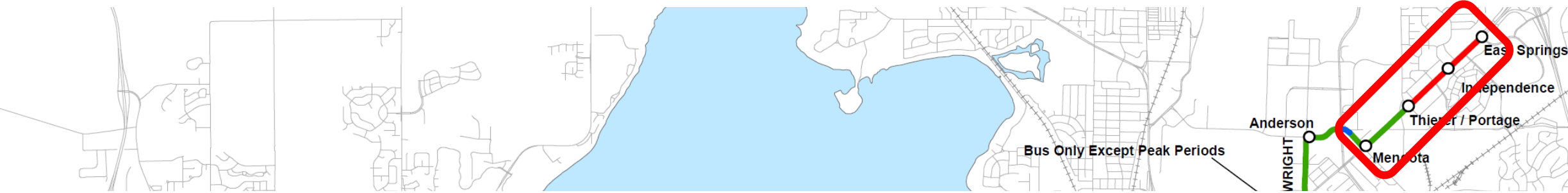
Renderings are conceptual



# City of Madison BRT Running Way



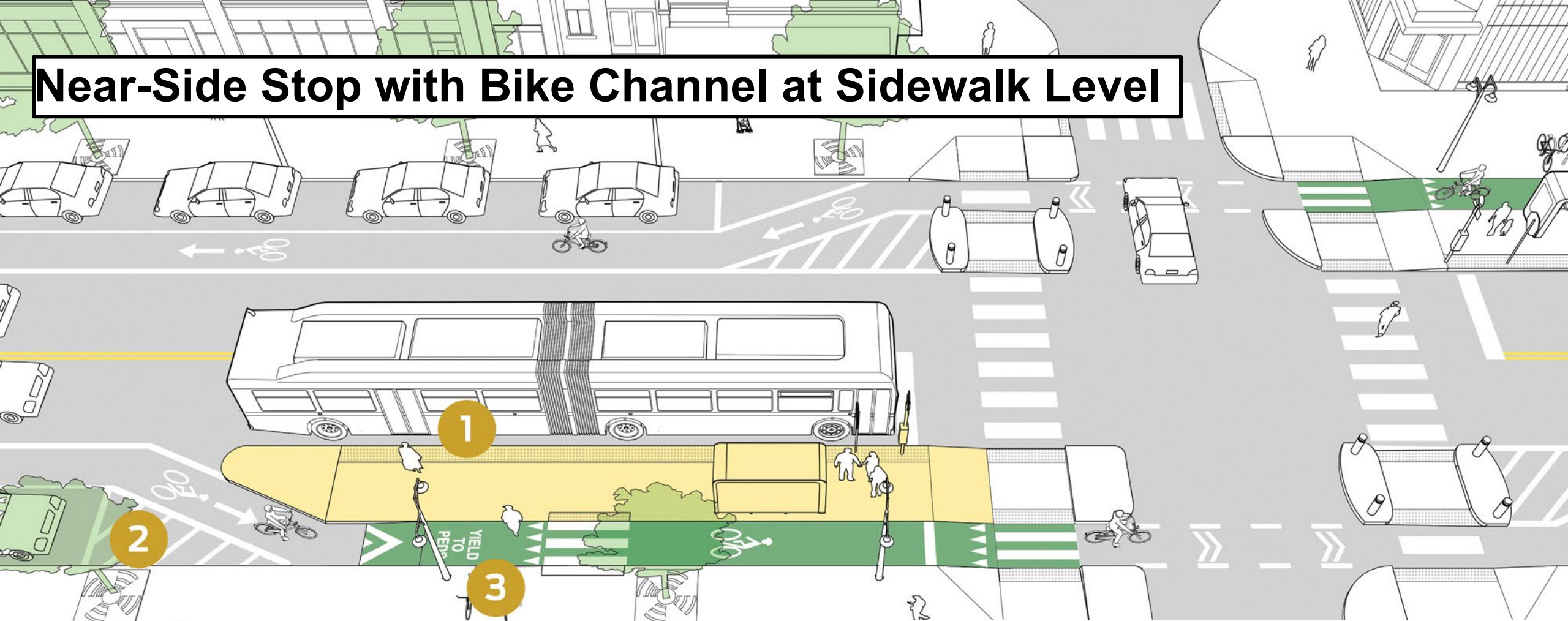
# City of Madison BRT Running Way



FINISHED TYPICAL SECTION  
EAST WASHINGTON AVENUE (EAST OF THIERER RD)  
LOOKING EAST



# Near-Side Stop with Bike Channel at Sidewalk Level



- 1 Boarding Platform
- 2 Bicycle Lane
- 3 Pedestrian Crossing

Source: <https://nacto.org/publication/transit-street-design-guide/stations-stops/stop-configurations/side-boarding-island-stop/>



RAMP UP TO  
SIDEWALK  
ELEVATION

EAST WASHINGTON AVE

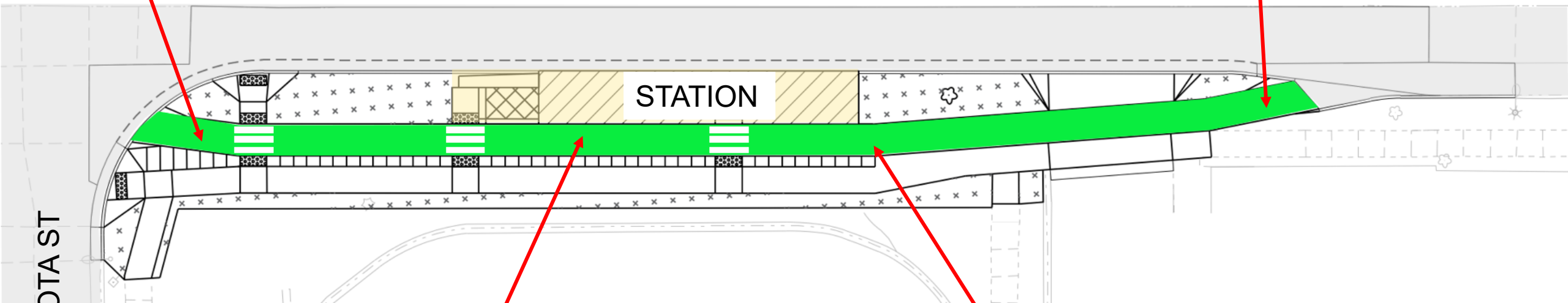
RAMP DOWN TO  
STREET ELEVATION

STATION

RAMP UP  
TO STATION  
ELEVATION

RAMP DOWN FROM  
STATION ELEVATION

MENDOTA ST



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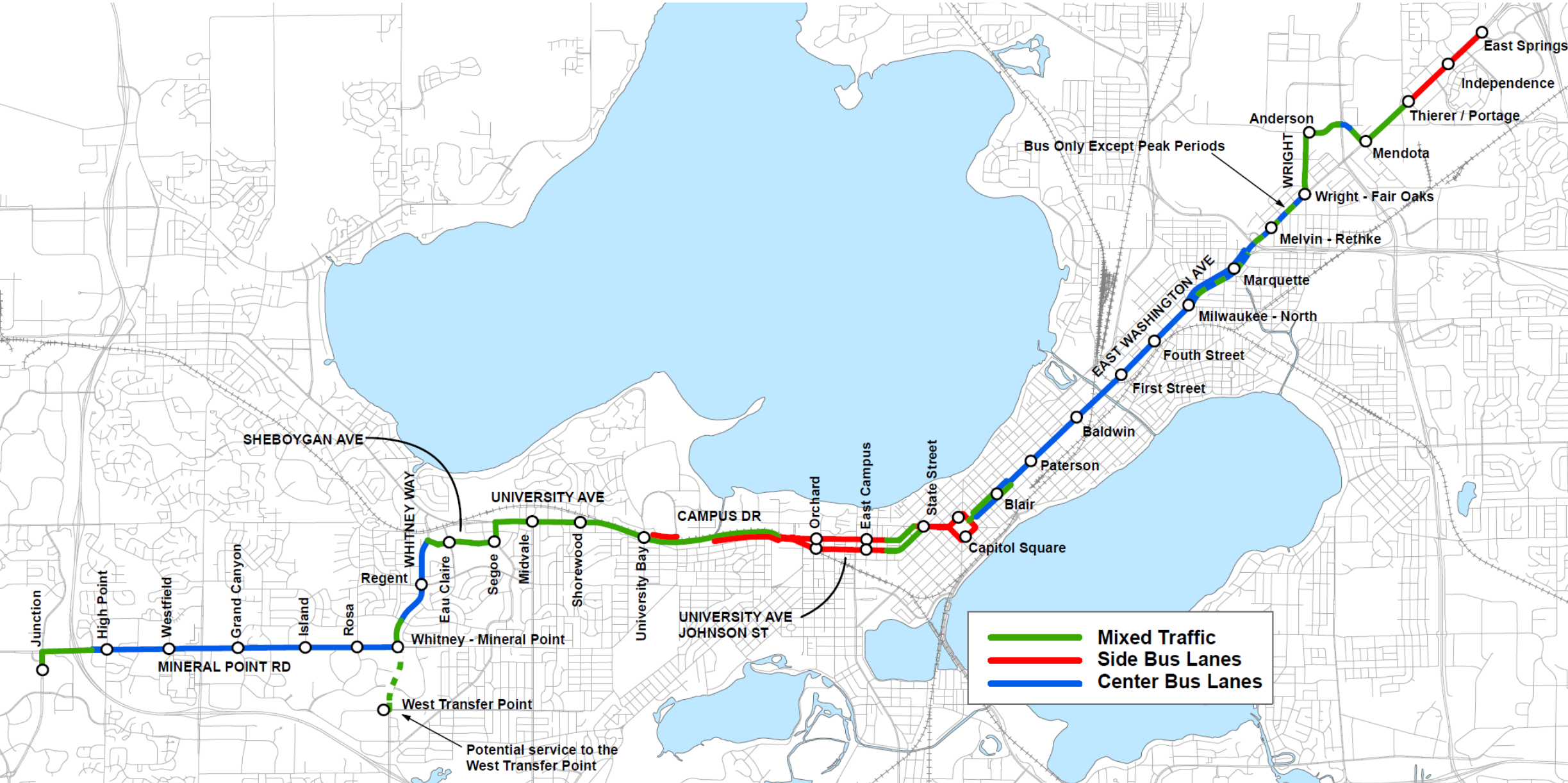
**Traffic Components**

**Peak Hour Bus Lane**

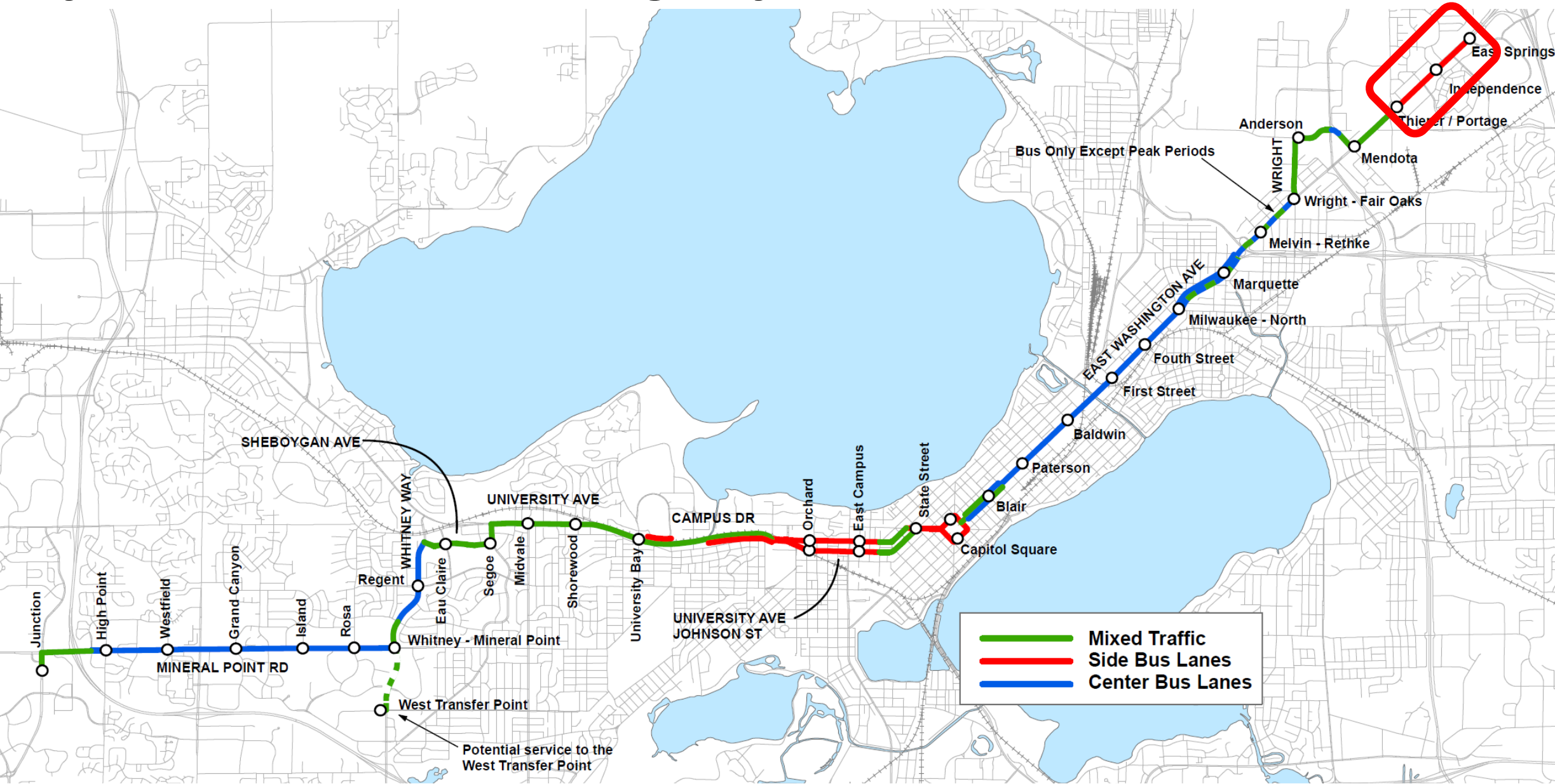
Left Turn Lanes

Communications (Transit Signal Priority)

# City of Madison BRT Running Way



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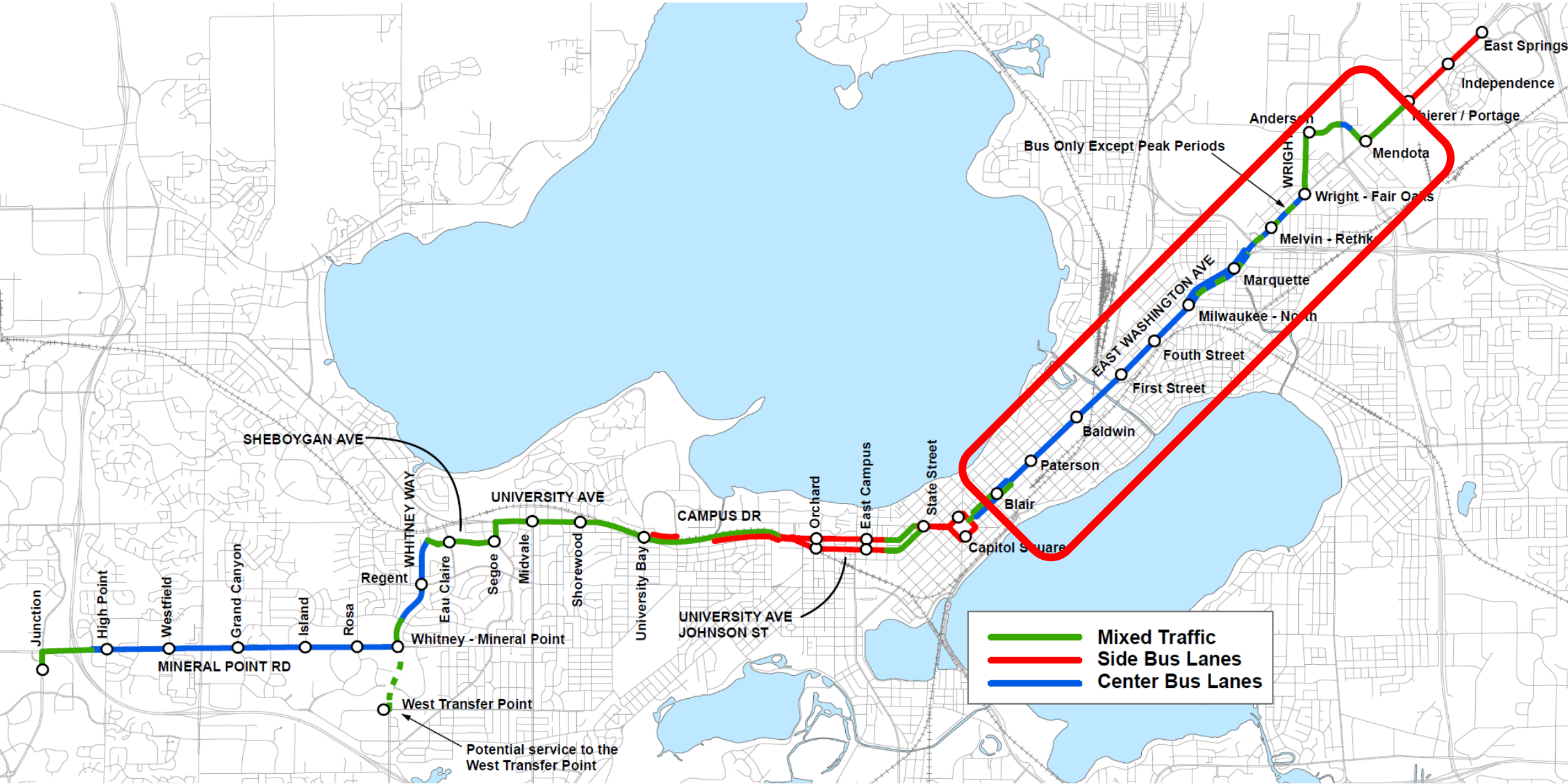




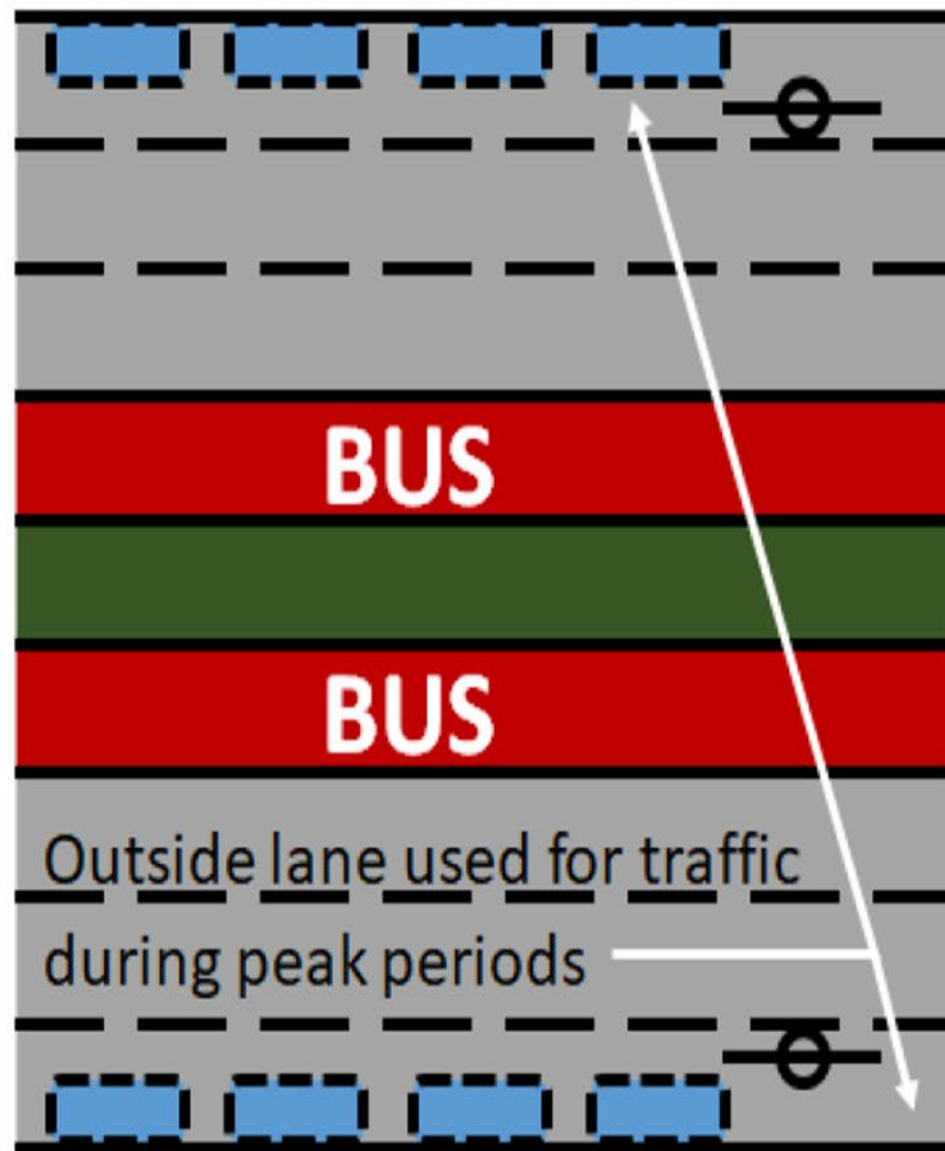
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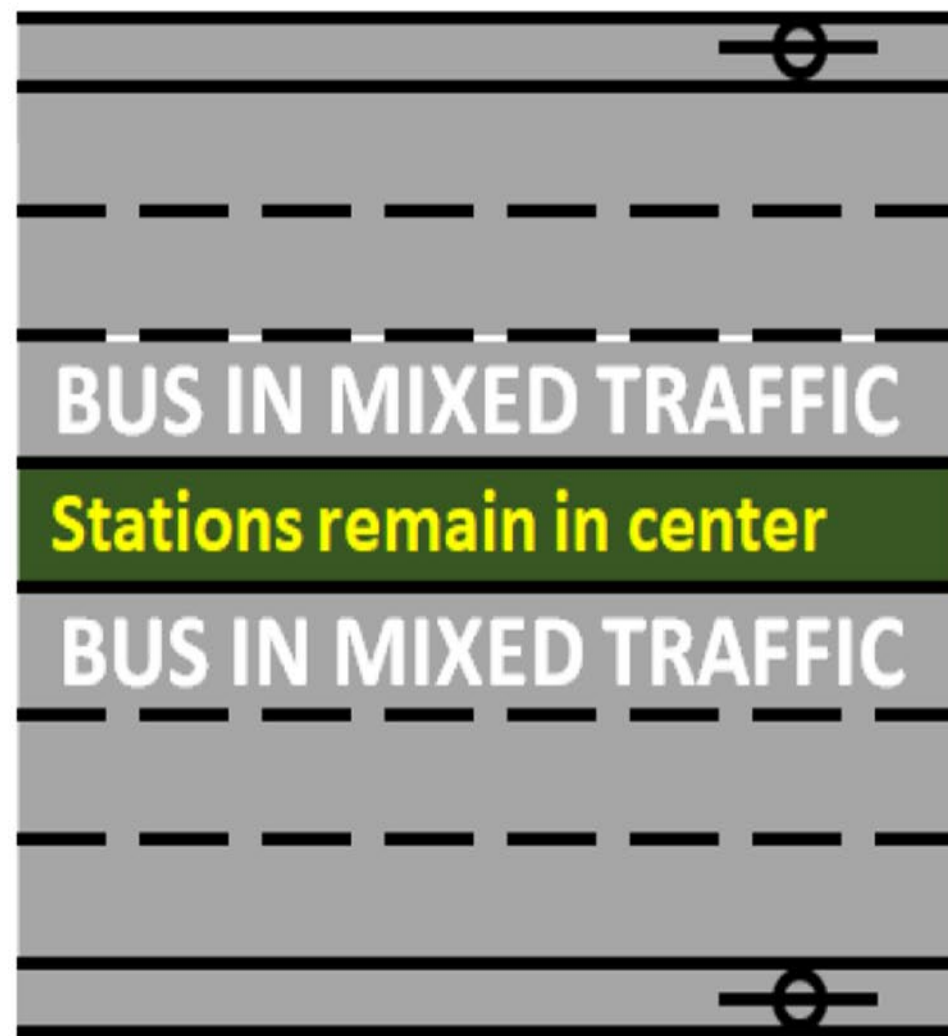
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**NO PARKING 6-9 AM**

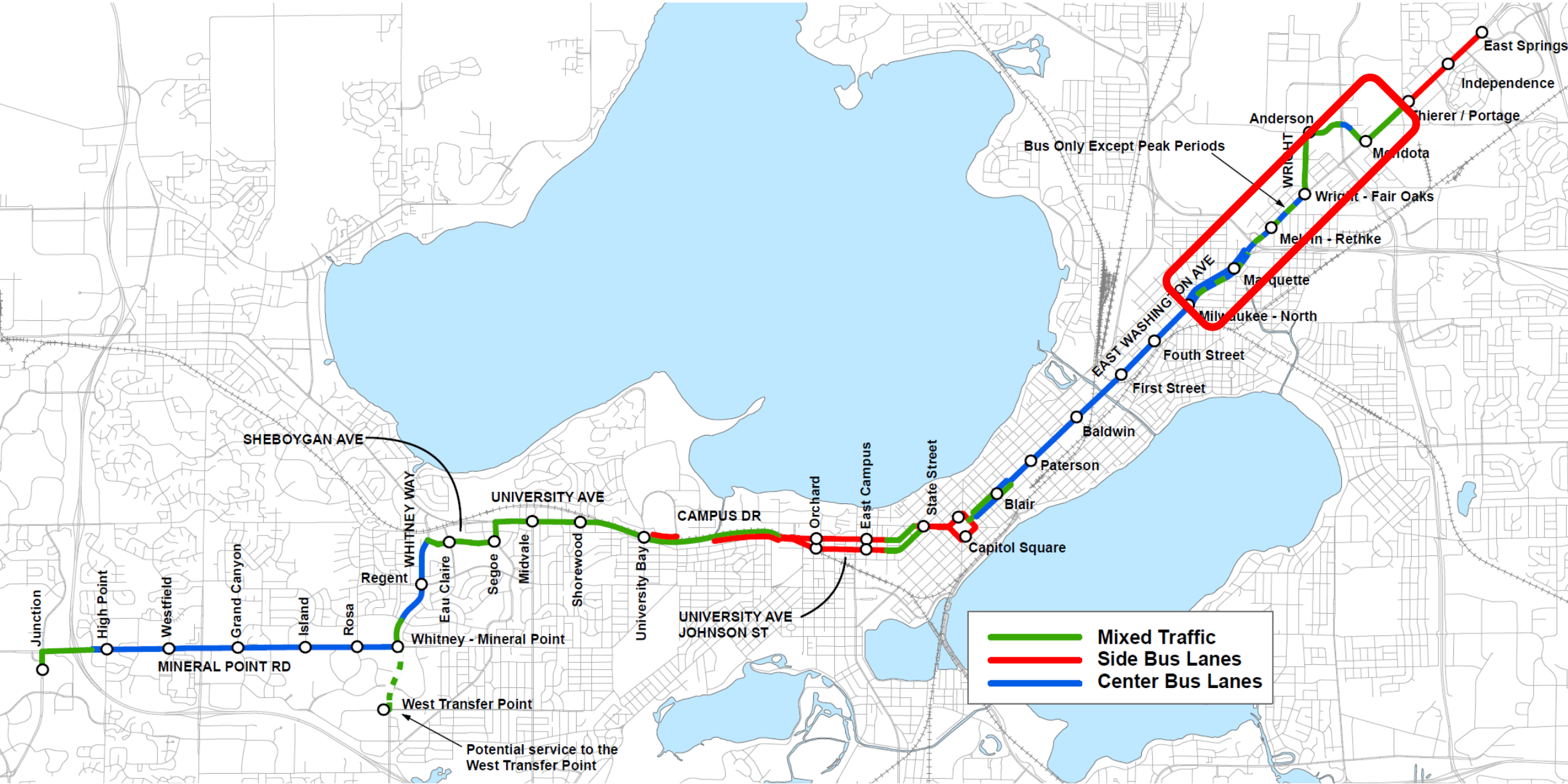


**NO PARKING 3-6 PM**



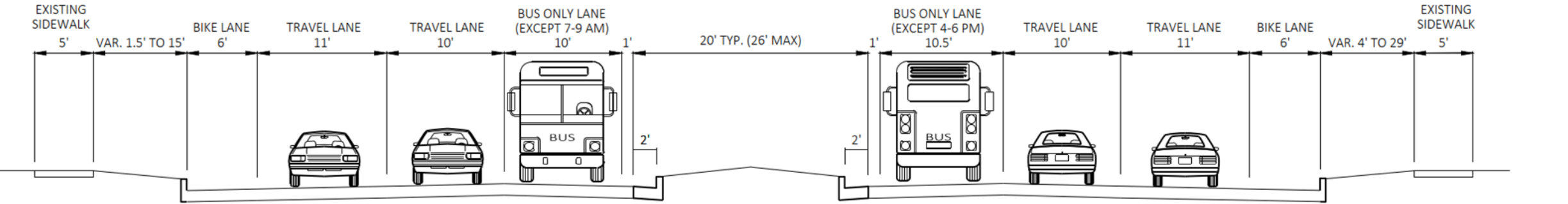
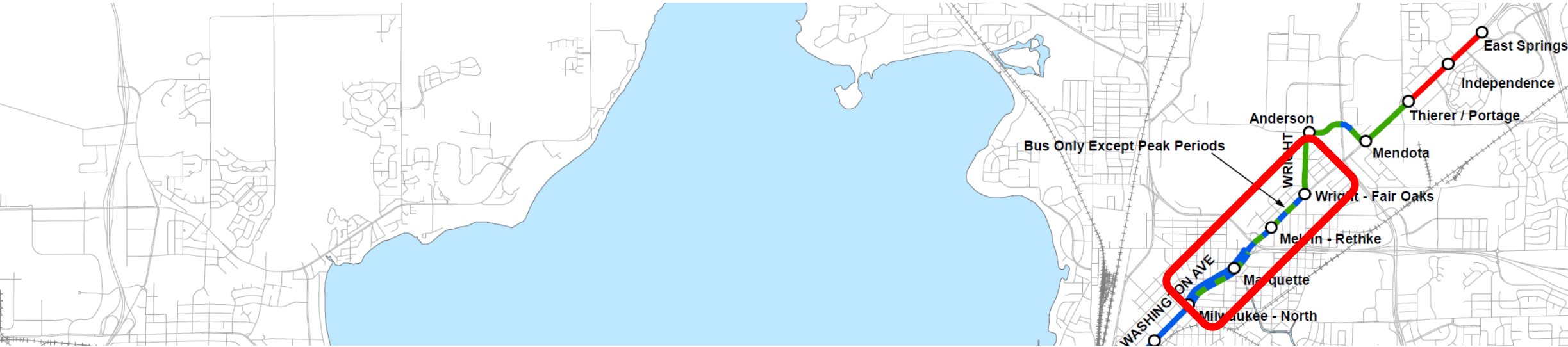


# City of Madison BRT Running Way





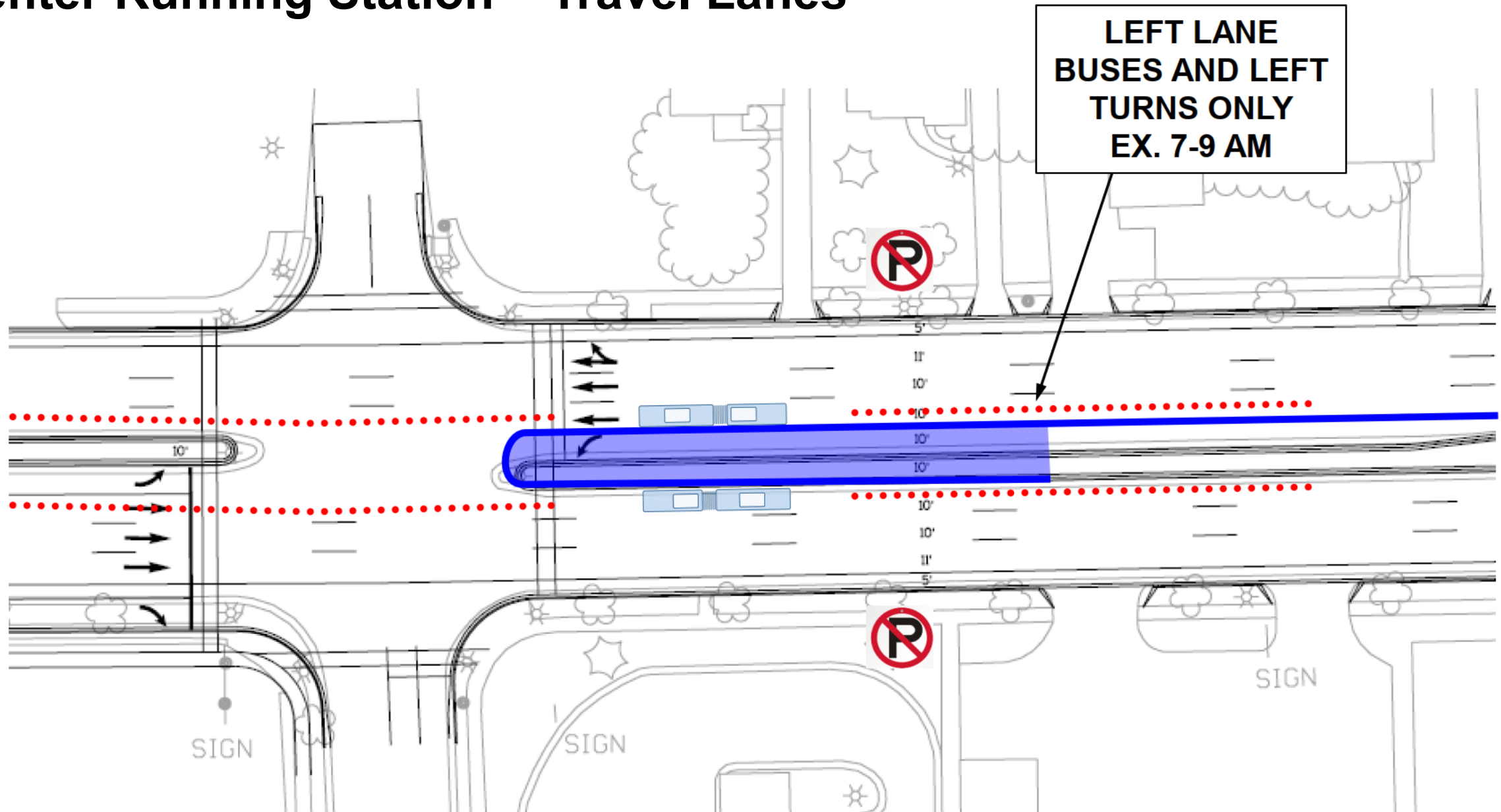
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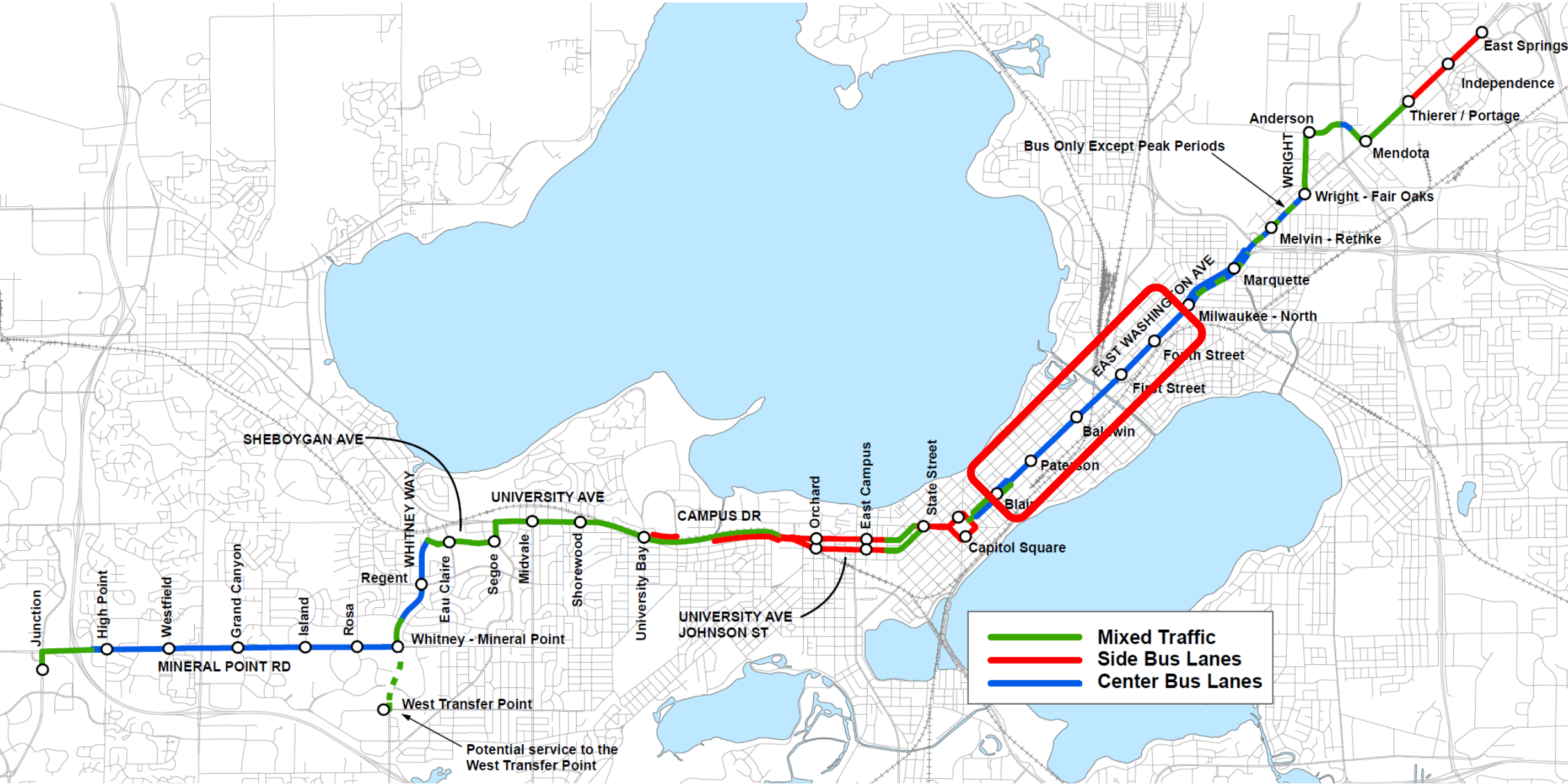
**FINISHED TYPICAL SECTION**  
EAST WASHINGTON AVENUE (E. OF MELVIN COURT)  
LOOKING EAST

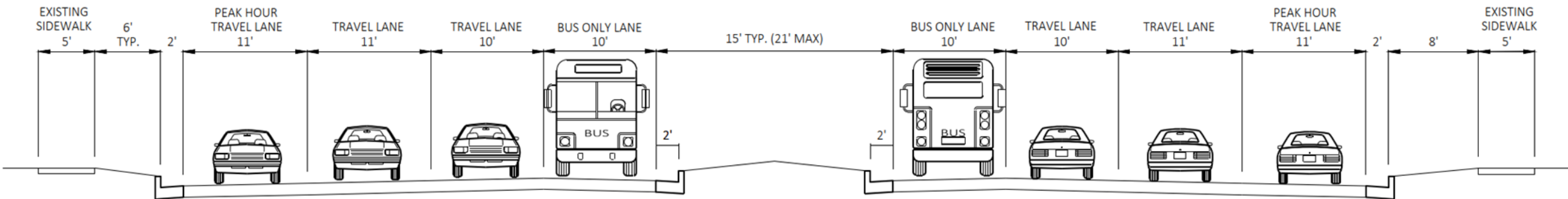


# Center Running Station – Travel Lanes

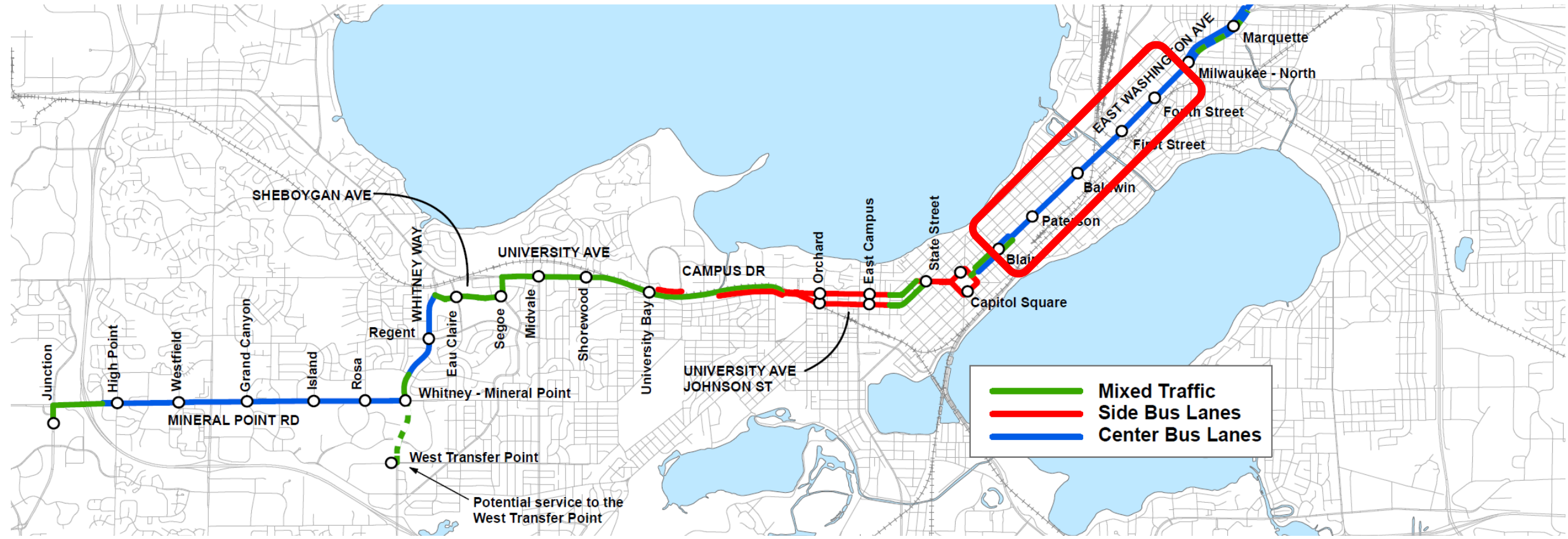


# City of Madison BRT Running Way



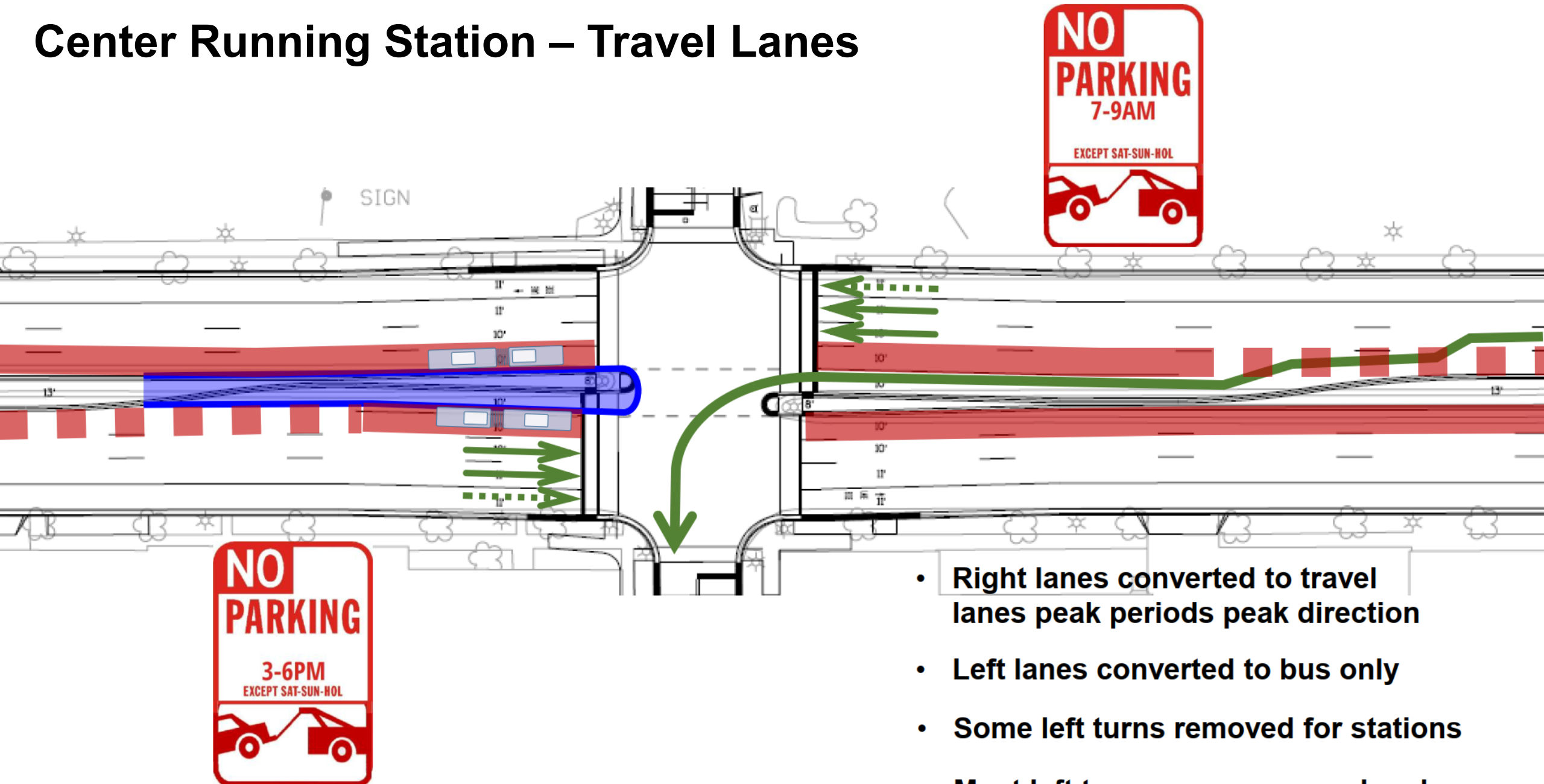


**FINISHED TYPICAL SECTION**  
 EAST WASHINGTON AVENUE (E. OF LIVINGSTON STREET)  
 LOOKING EAST





# Center Running Station – Travel Lanes



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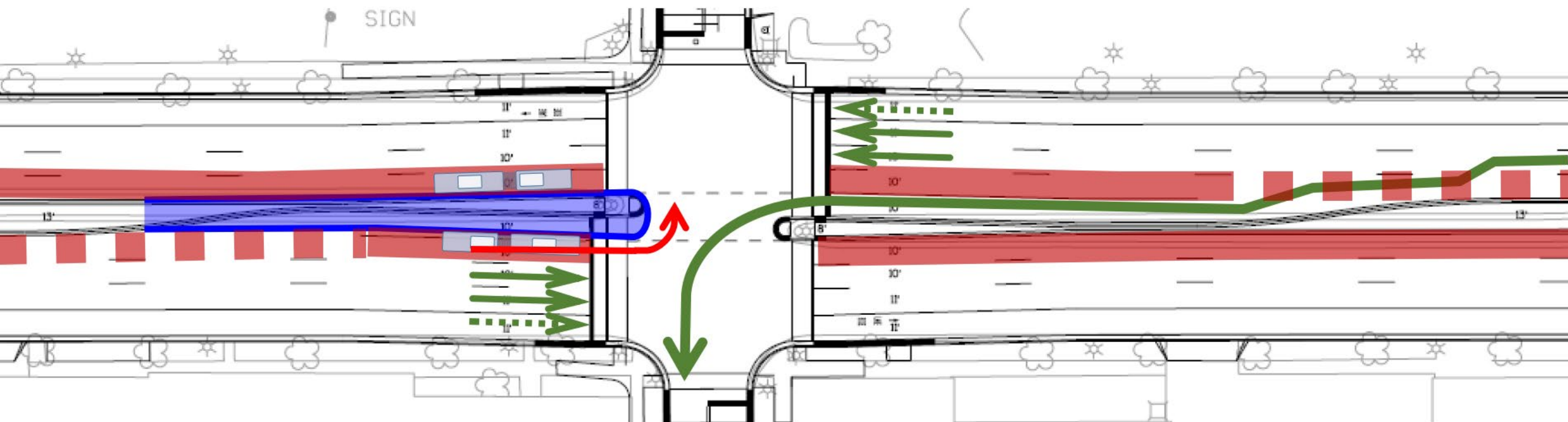
**Traffic Components**

Peak Hour Bus Lane

**Left Turn Lanes**

Communications (Transit Signal Priority)

# Center Running Station – Left Turn Removal



# East Washington – Left Turn Removals





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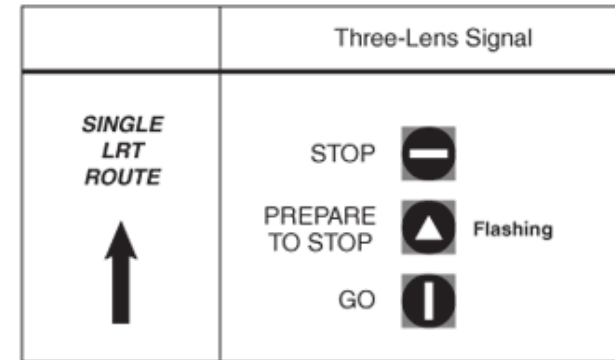
Peak Hour Bus Lane

Left Turn Lanes

Communications (Transit Signal Priority)

# Transit Signal Priority

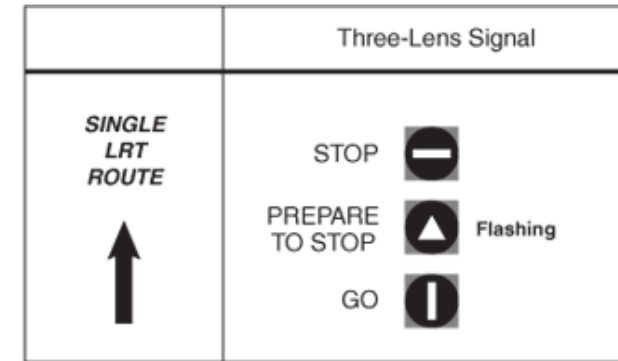
- Bus Signal Heads
- System Connectivity
- Key Locations



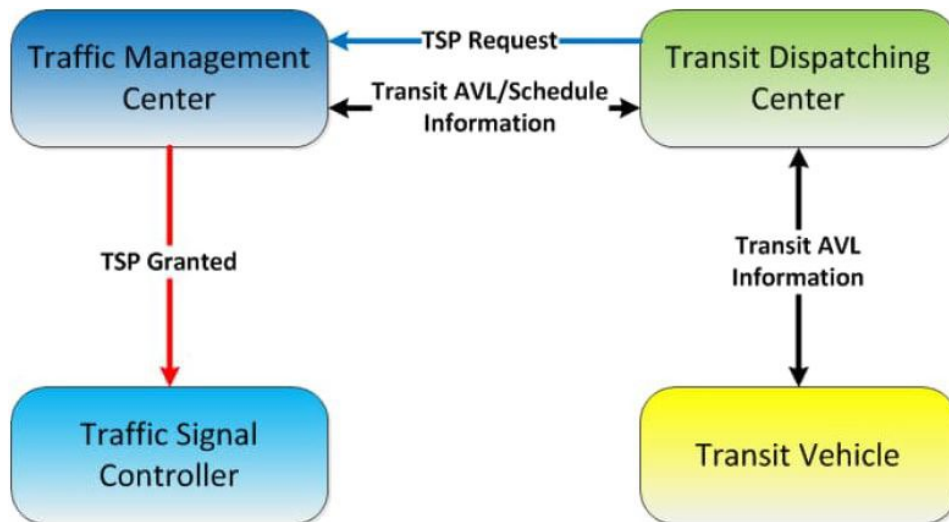
Source: MUTCD ([https://mutcd.fhwa.dot.gov/html/2009/part8/fig8c\\_03\\_longdesc.htm](https://mutcd.fhwa.dot.gov/html/2009/part8/fig8c_03_longdesc.htm))

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- Bus Signal Heads
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- Key Locations

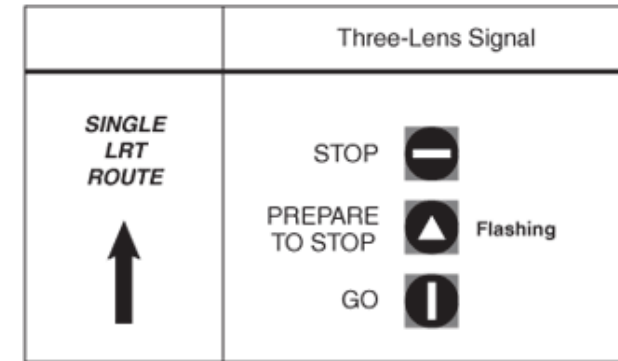
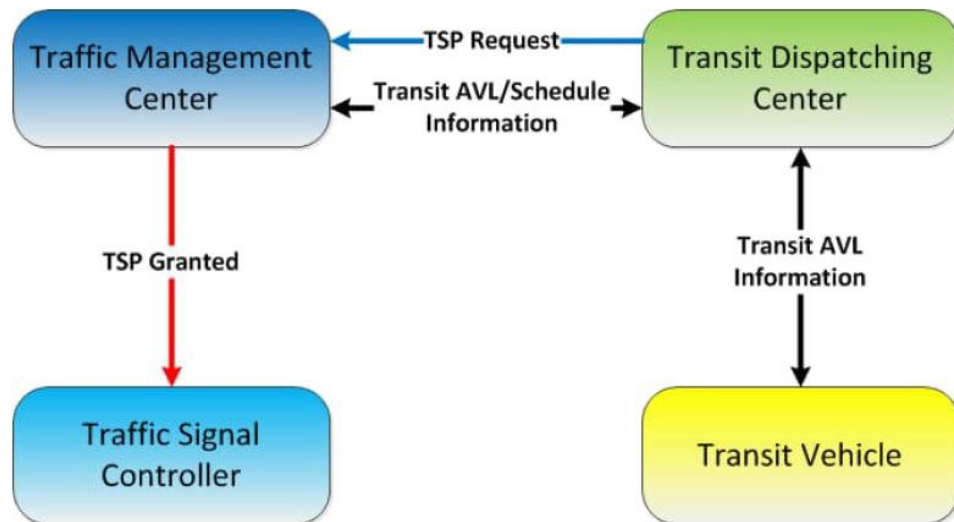


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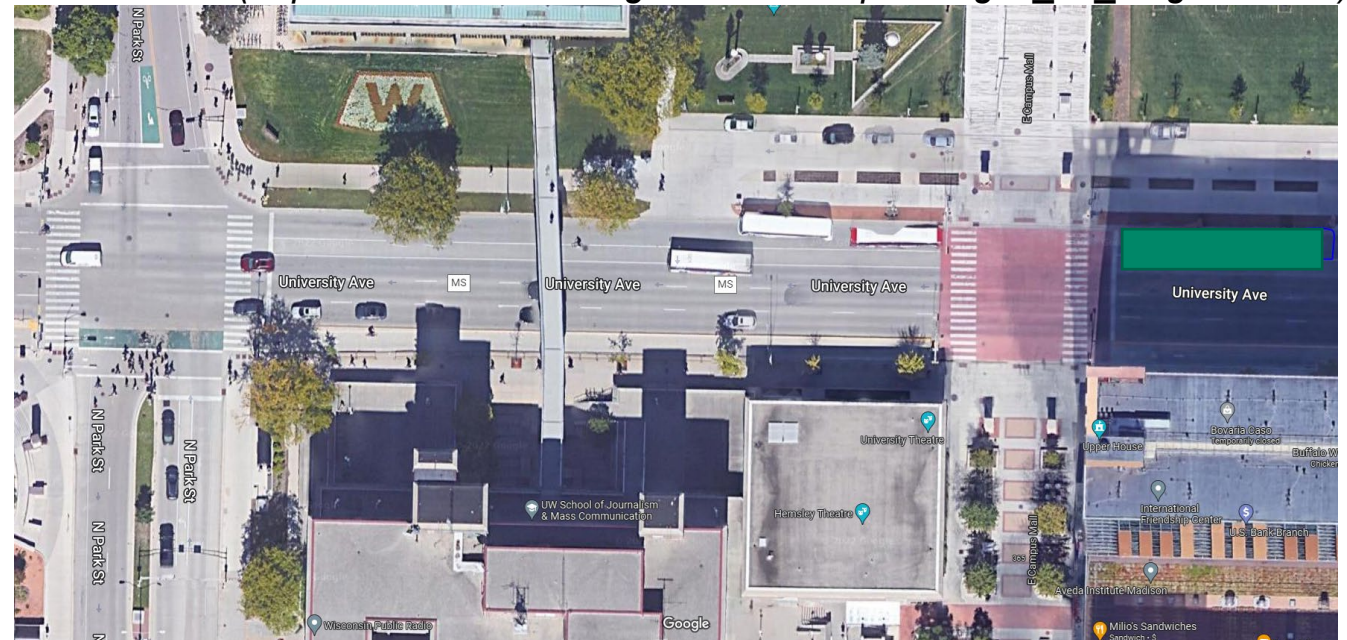


# Transit Signal Priority

- Bus Signal Heads
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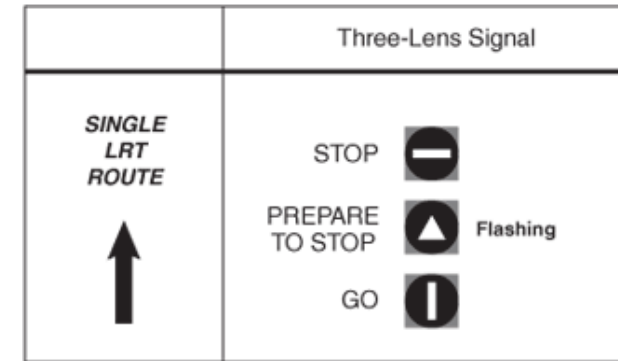
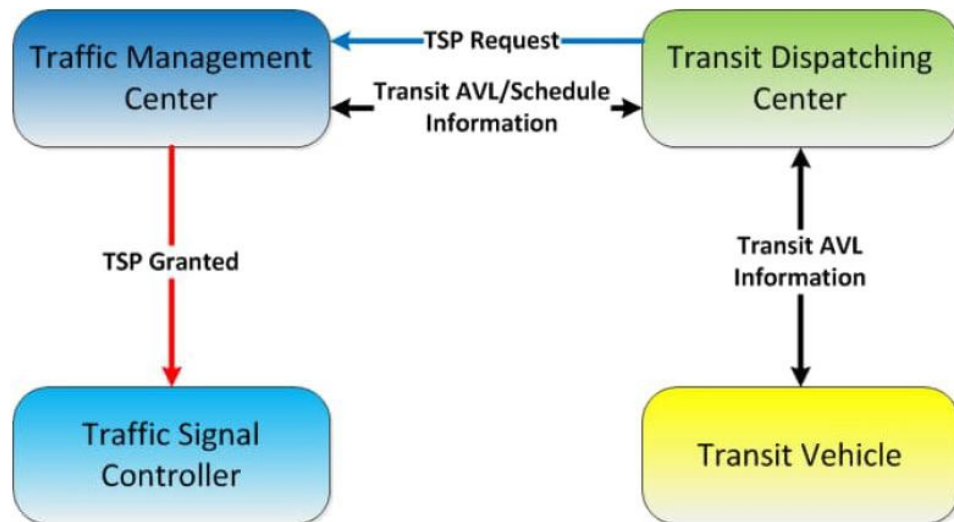
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Source: Google Maps

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Source: Google Maps



# Open Discussion

## Additional Resources

City Website: <https://www.cityofmadison.com/metro/routes-schedules/bus-rapid-transit>



**Thank you.**