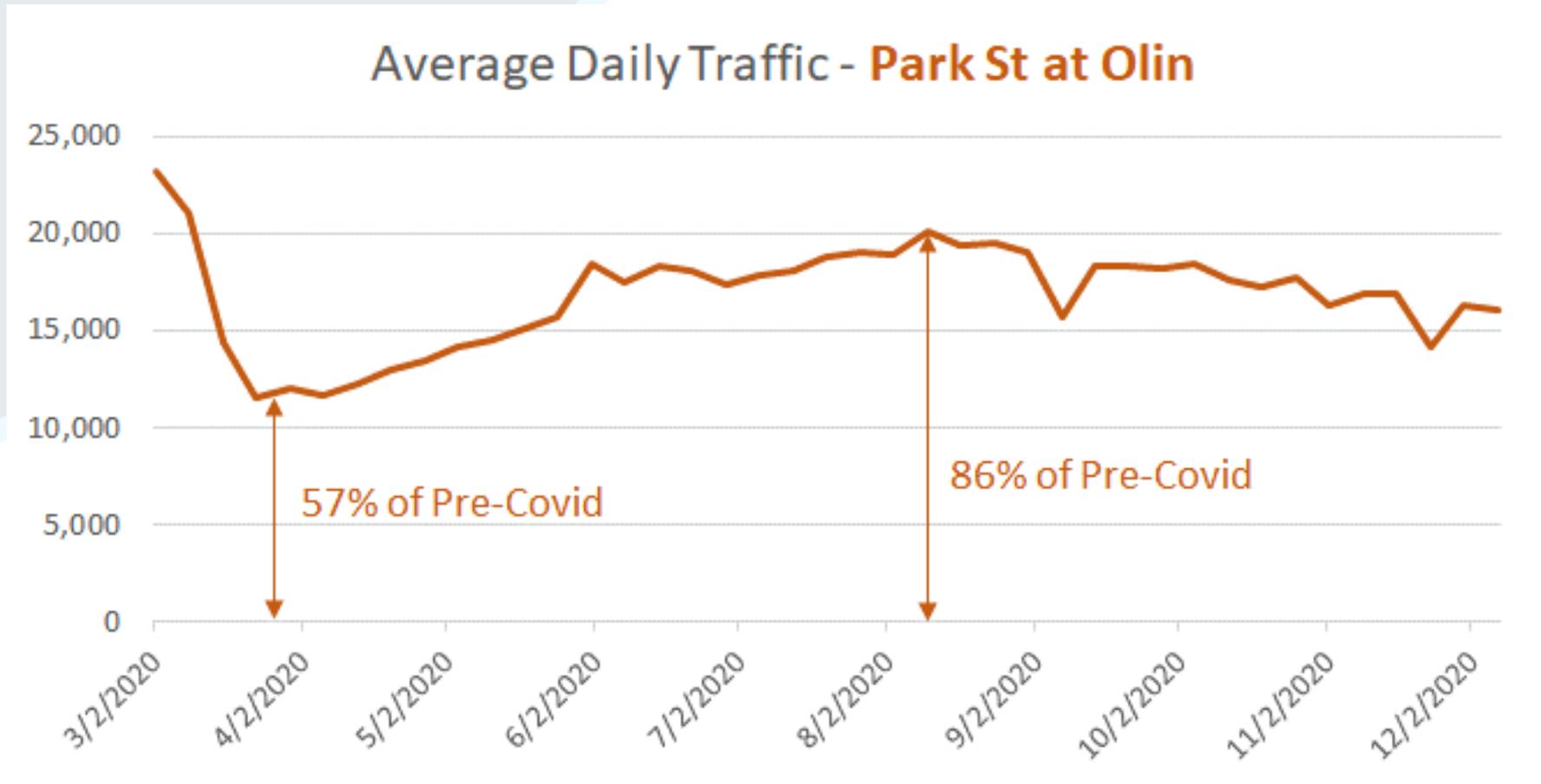


# **Transportation Annual Operation Report - 2020**

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# Transportation Trends



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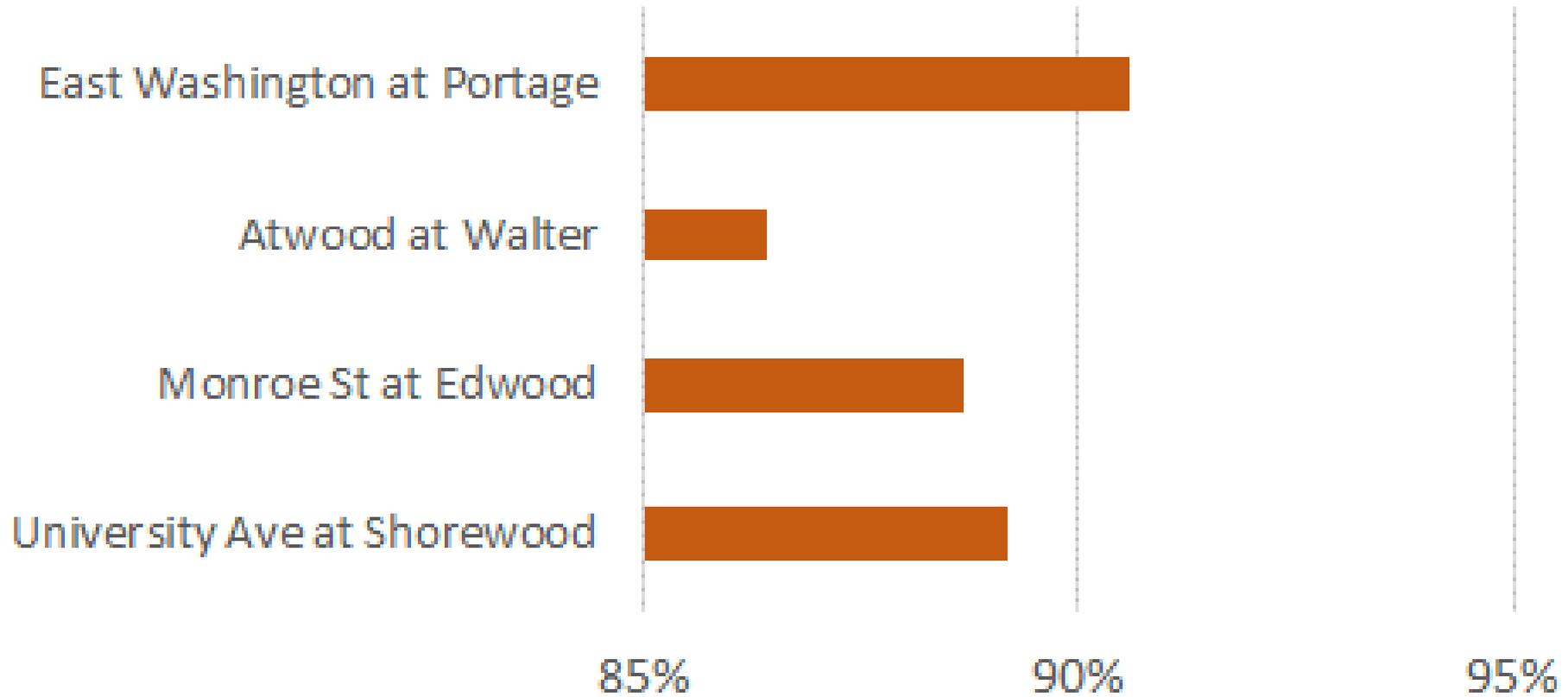


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# Weekday Traffic Volume Comparison

## Sept 2020 as a percentage of Sept 2019

*Streetlight Probe Data*

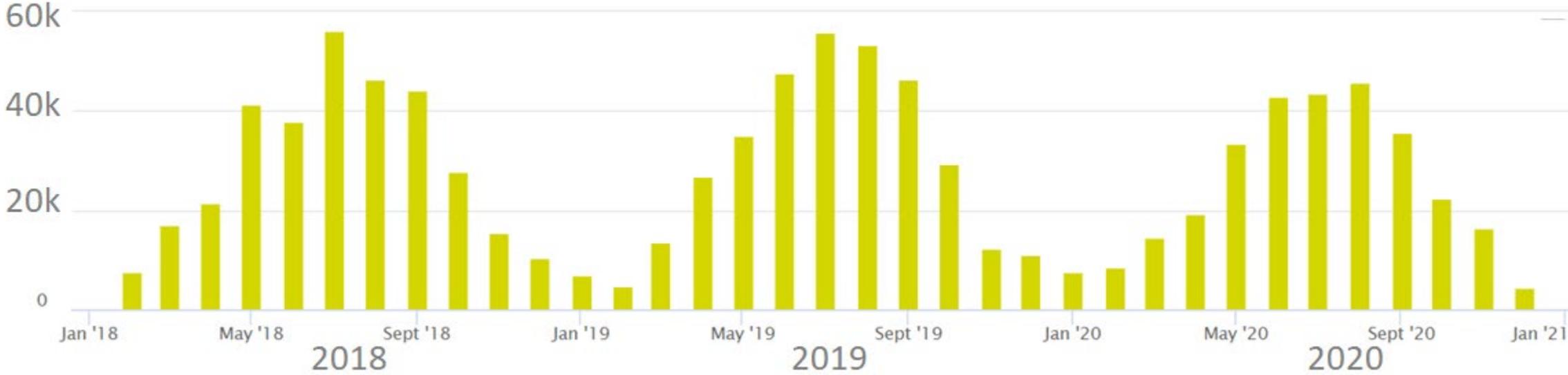


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# Eco-Totem Bicycle Counter by Month – Southwest Path



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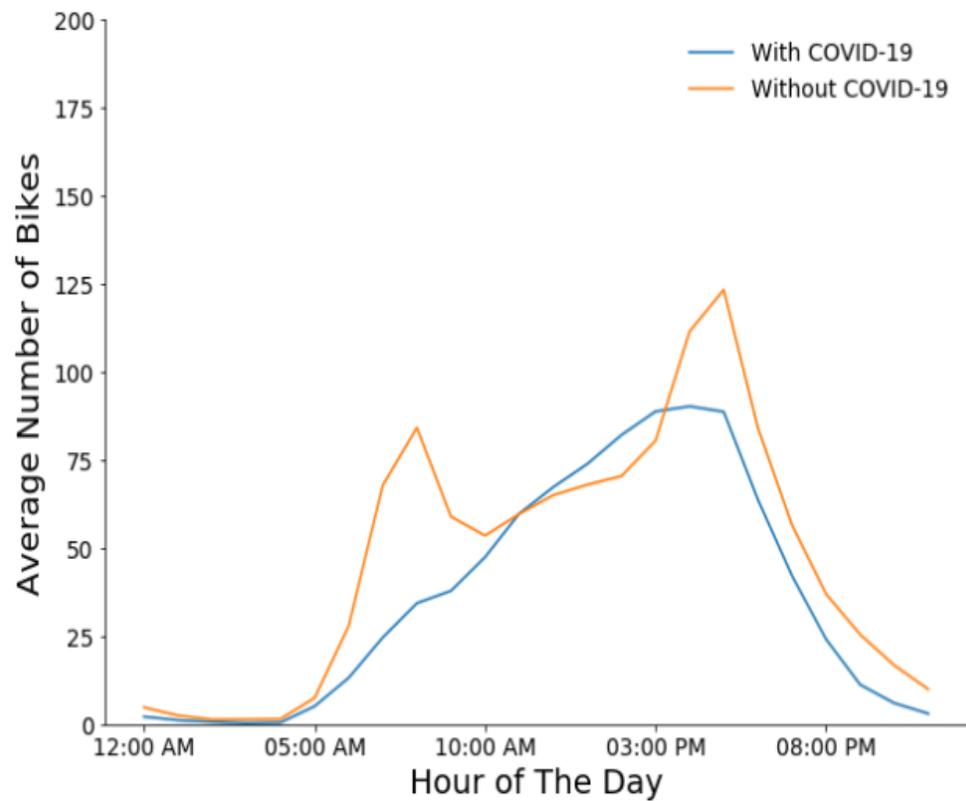
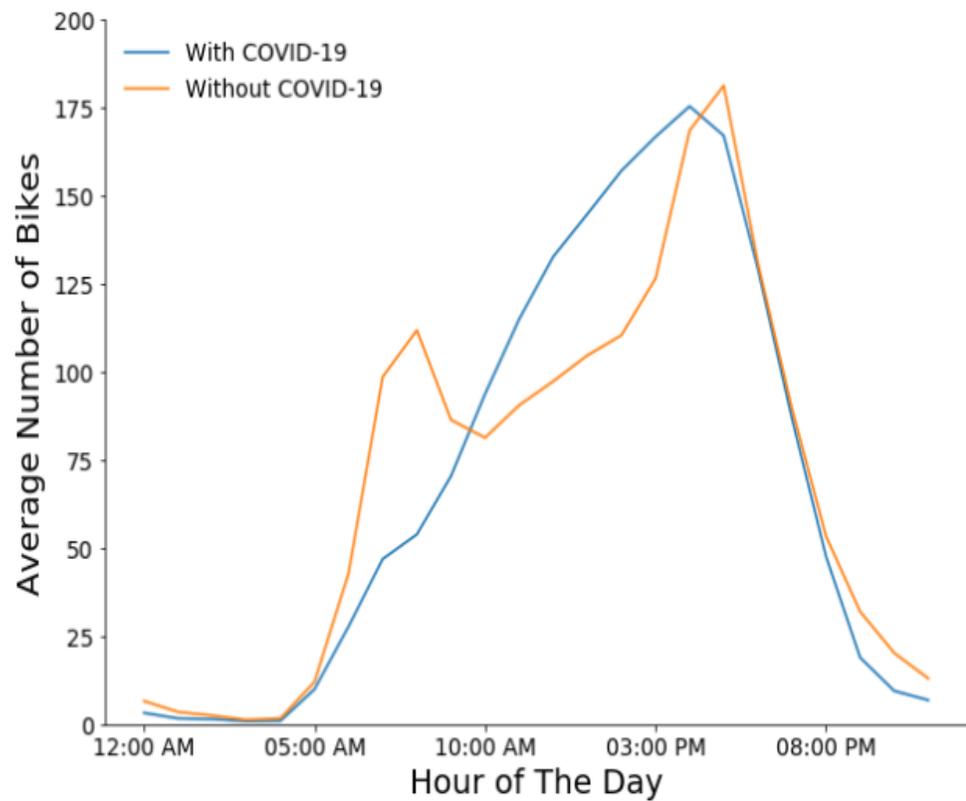
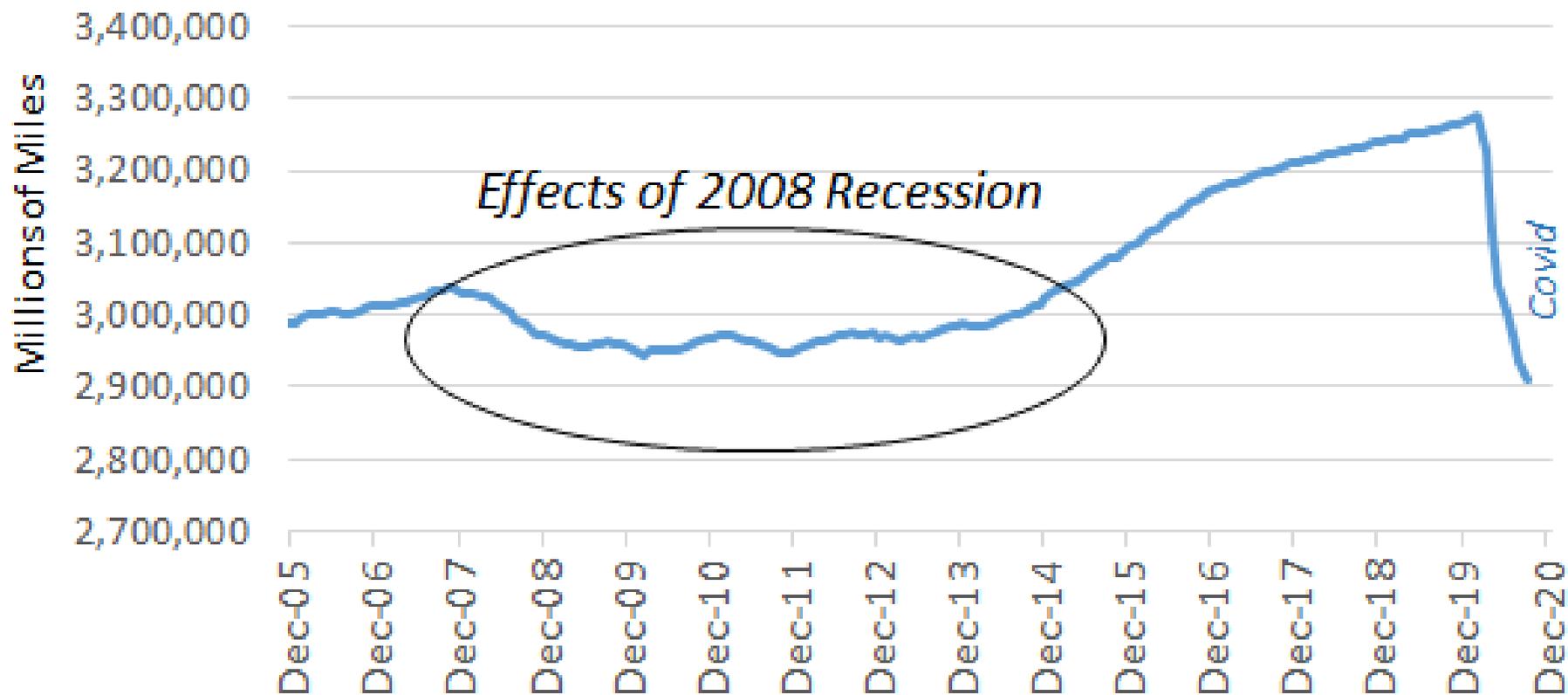


Figure 2. Hourly average number of bikes throughout the day with and without COVID-19 on Capital Trail (left) and Monroe (right). Data from [3].

# Moving 12-Month Total Vehicle Miles Traveled (National)

FRED Economic Data



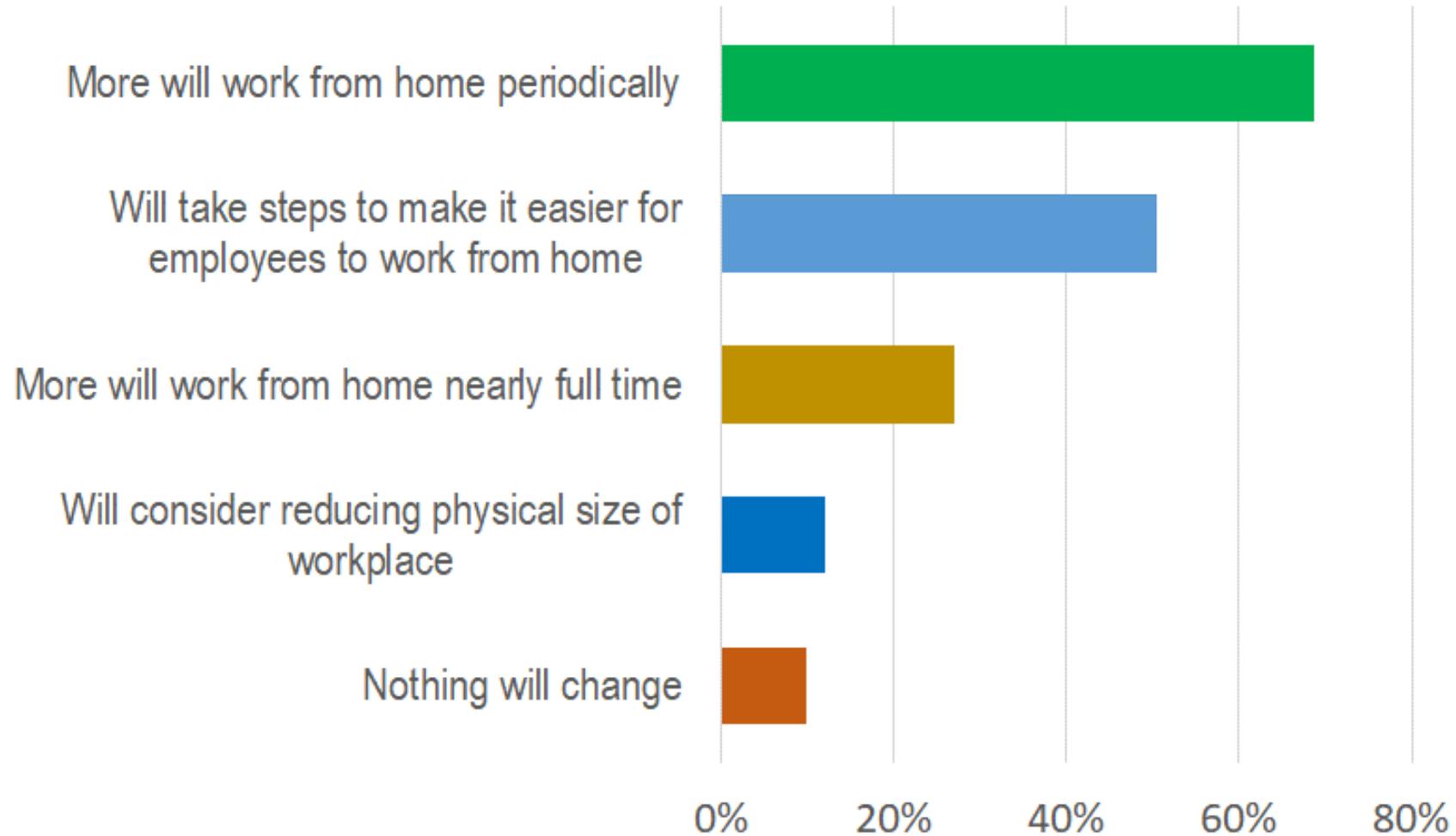
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# How Your Employees Will Work in the Future?

Over 400 Madison Area Business Leaders and Managers  
Greater Madison MPO survey - Fall 2020

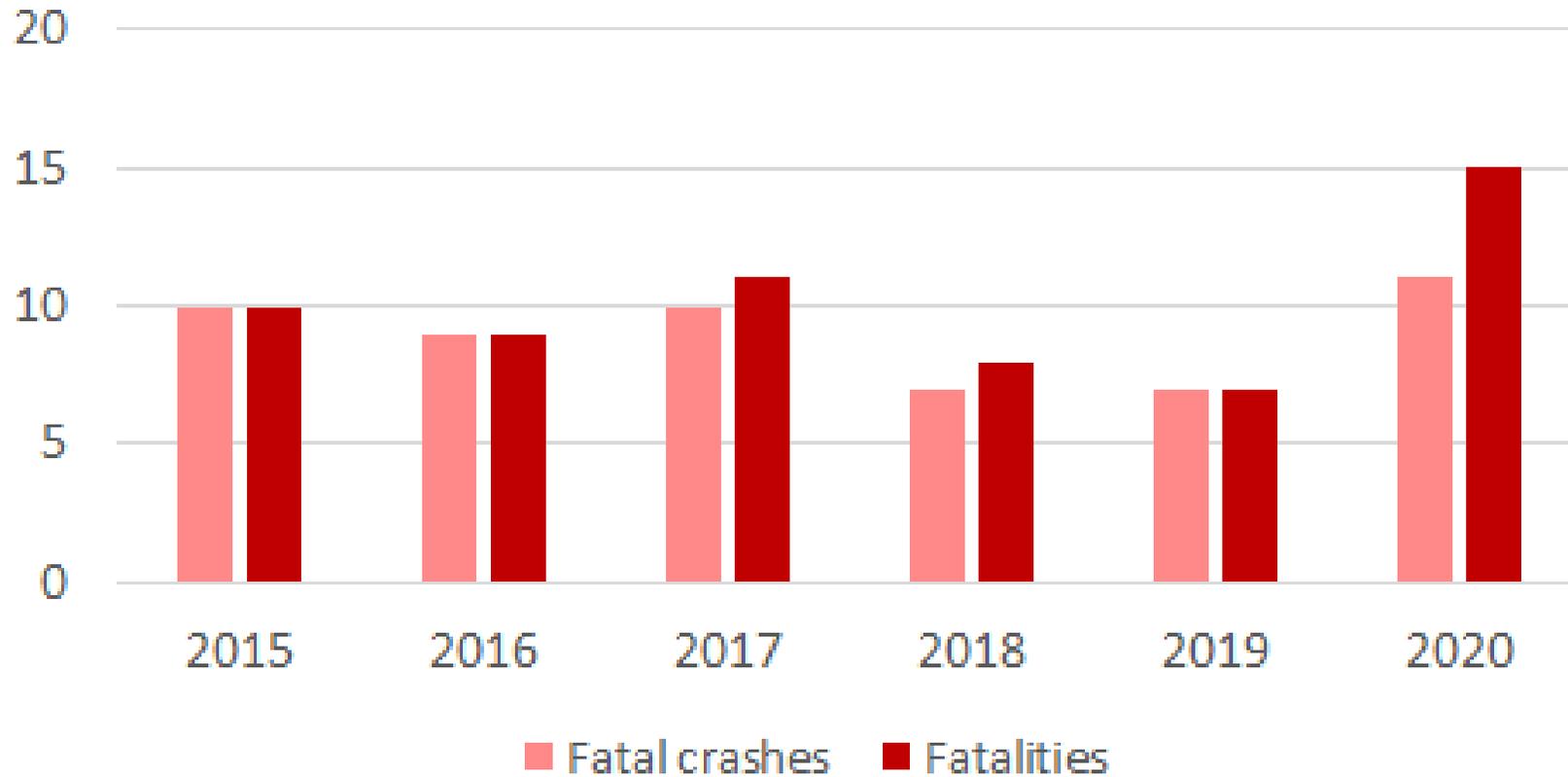


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## Traffic Related Fatal Crash Trends

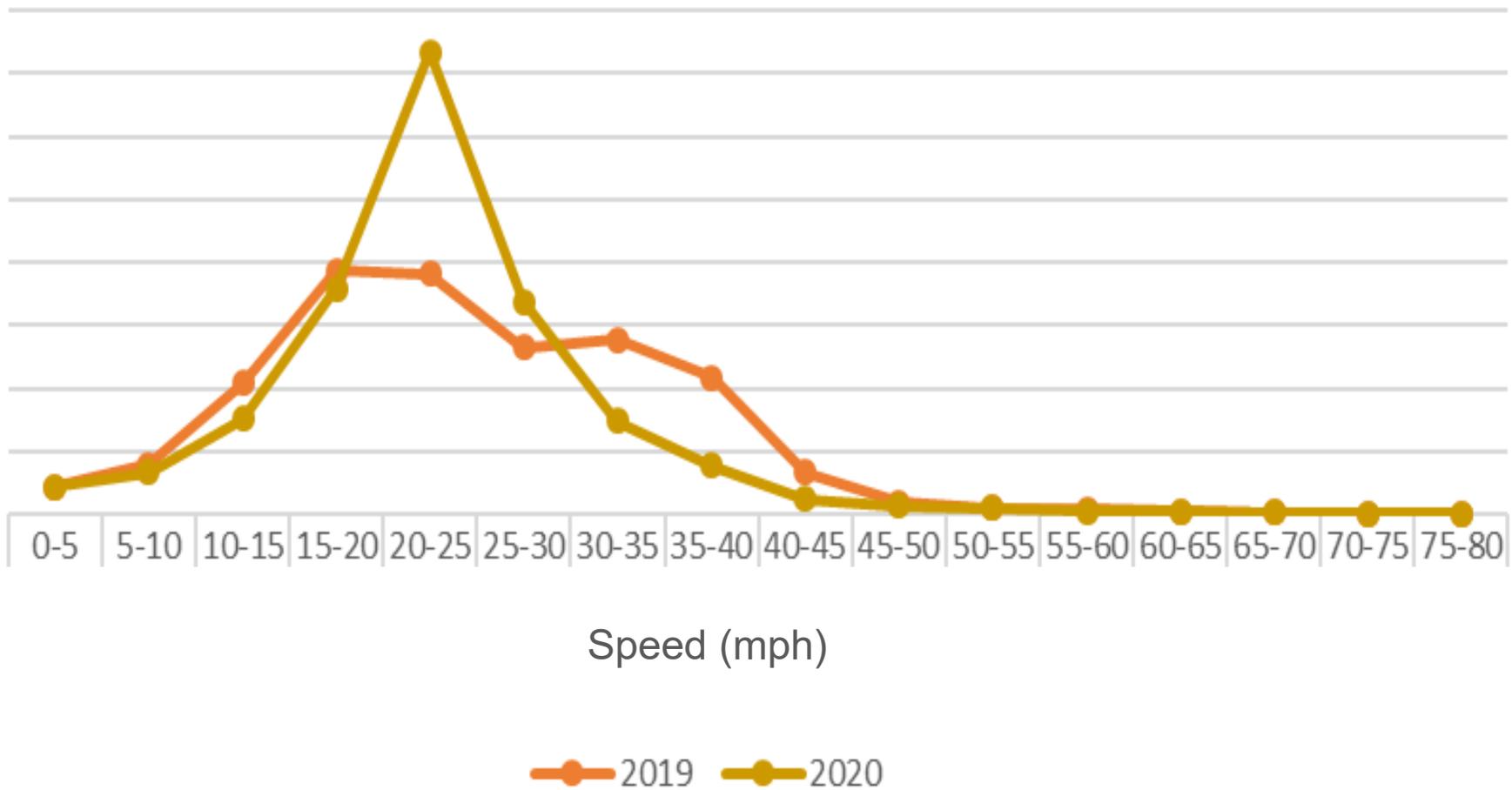


15 fatalities  
as a result of  
11 crashes

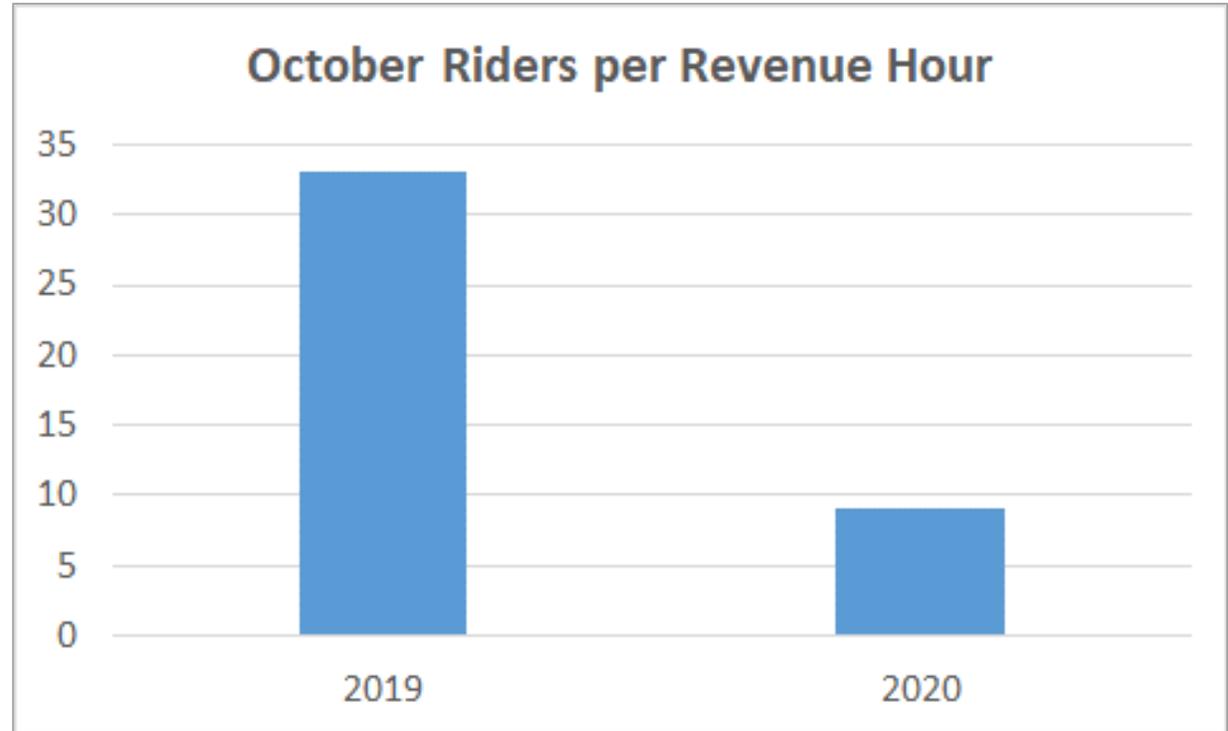
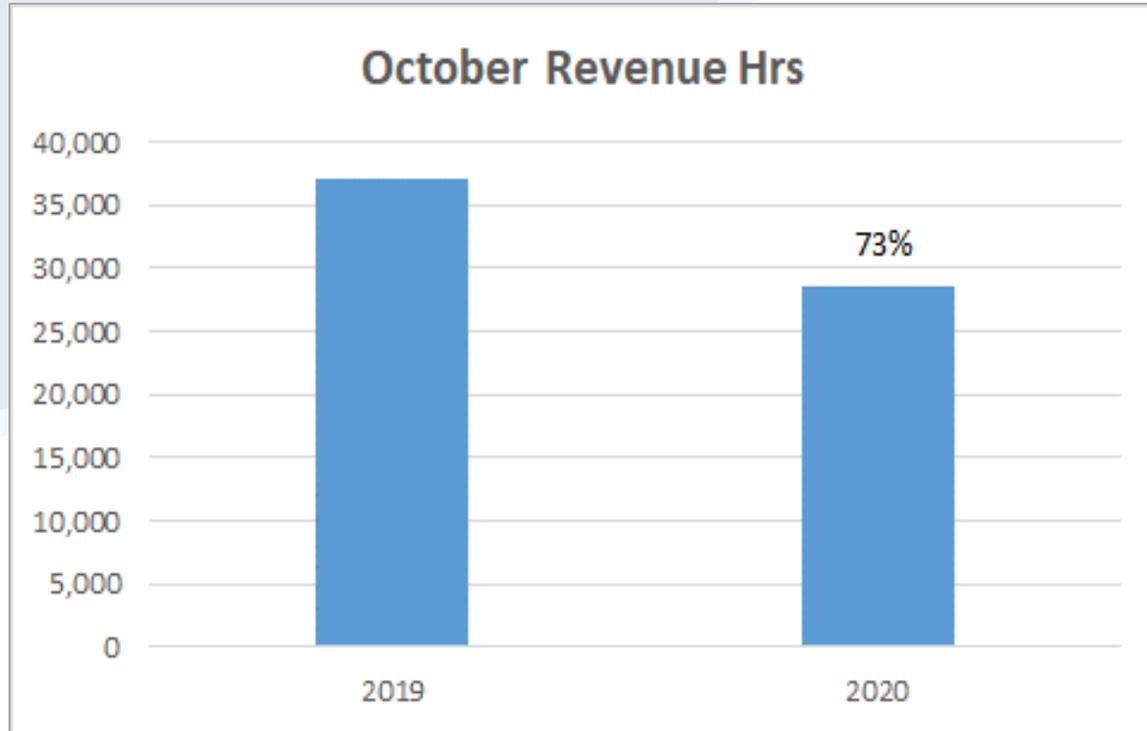
# Street Light Data

Greater Madison MPO

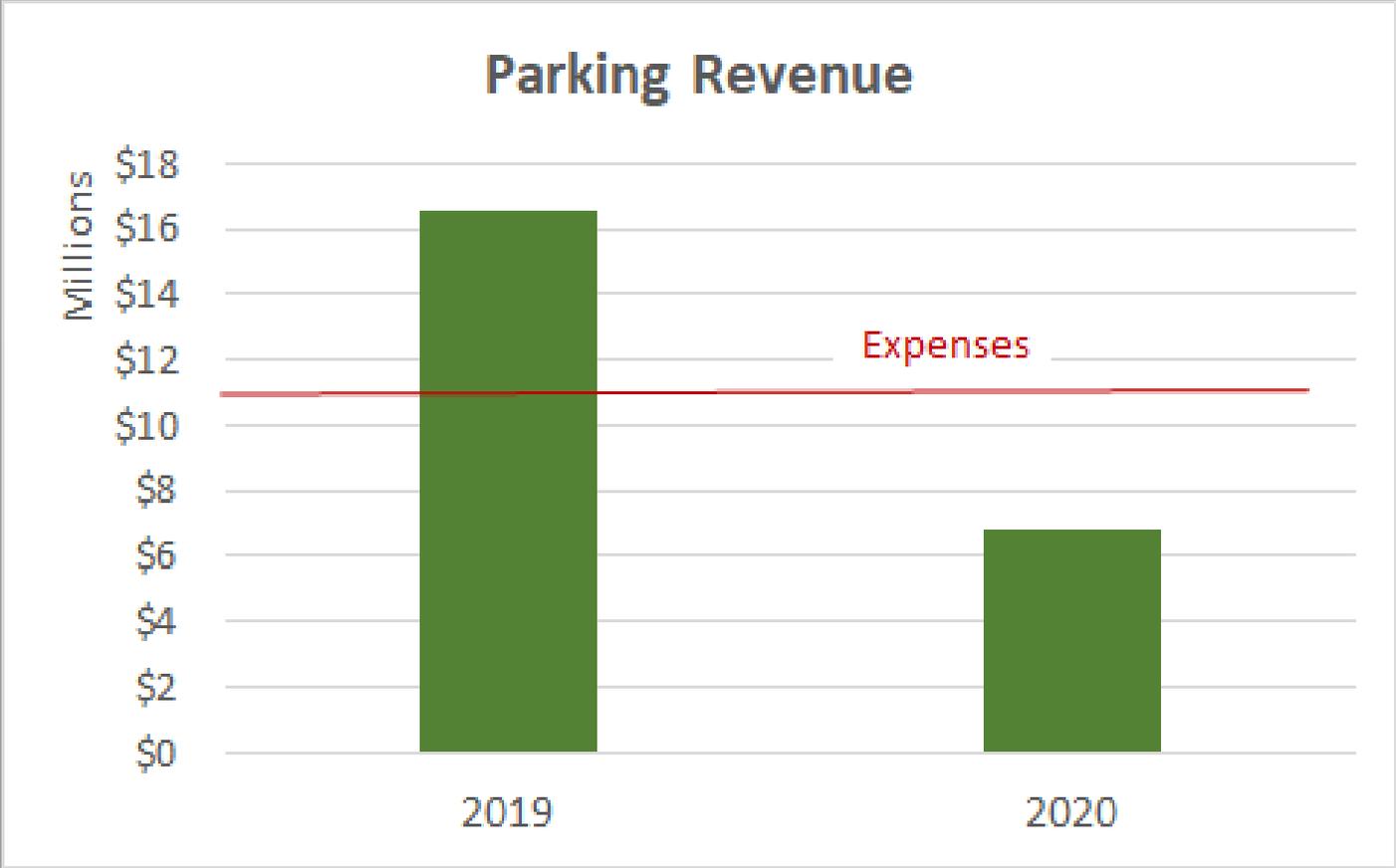
## Brearily Inbound



# Transit Trends



# Parking Trends

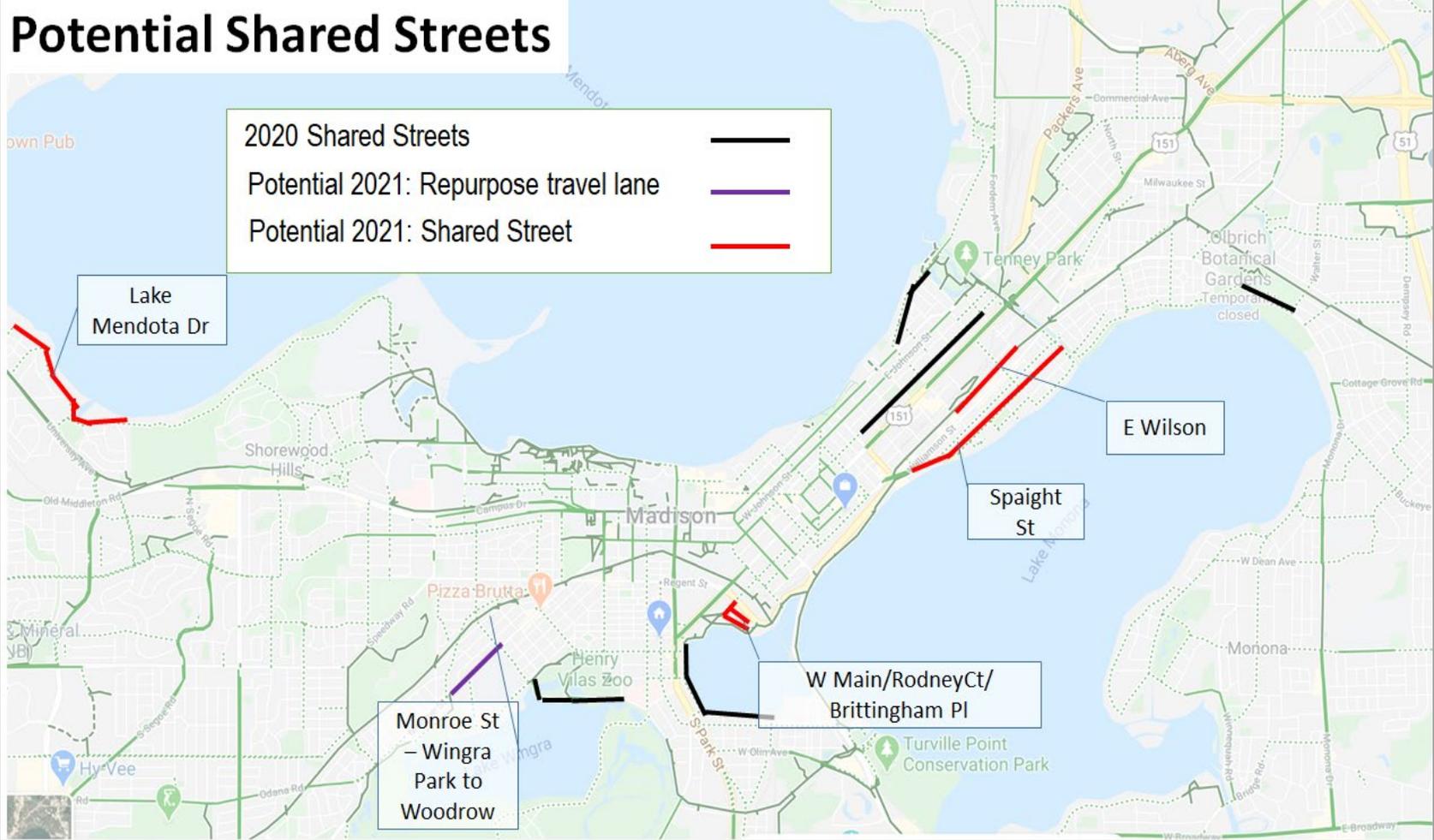


# Traffic Engineering Covid Response

- Posting Shared Use Paths
- Modifying Signal Timing
- Staff Protocols
- Shared Streets
- Assist with Streateries
- Traffic Control for Speed Reduction



# Shared Streets



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# Traffic Engineering Efforts

## Vision Zero

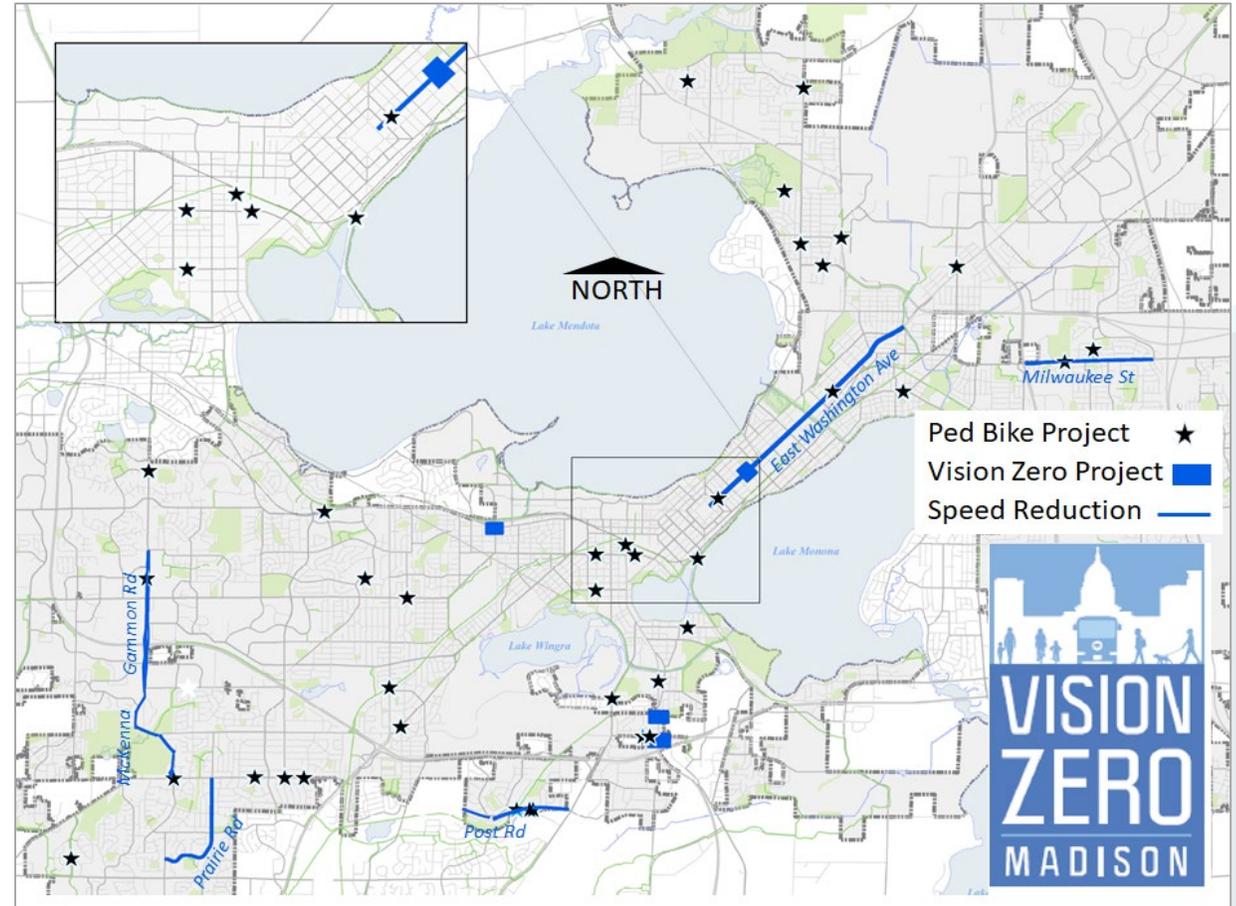
- Initiated
- Reduced Speeds on 9 miles of streets
- 4 standalone projects
- HSIP grant application
- Worked on High Injury network

## Expanded Ped and Bike Facilities

- 12 Streets and Paths
- 12 new RRFBs
- Distributed Green Pavement Markings

## Radio Communications

- Relocate west side tower
- Relocate Radio shop to Nakoosa Trail
- Enter into modernization agreement with Motorola



# Traffic Engineering

## Initiated Complete Green Streets



# Traffic Engineering 2021 Initiatives

- **Vision Zero**
- **Integration of School Crossing Guards**
- **Shared Streets**
- **Complete Green Streets**
- **Revise Neighborhood Traffic Management Program and Pedestrian Bicycle Enhancement Program**

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# Metro Transit Covid Response

- Route restructuring
- Rear-door entry – fare suspension – capacity limits
- Bus cleaning protocols
- Scheduling buses 1 driver per day
- Plexiglas interior separation



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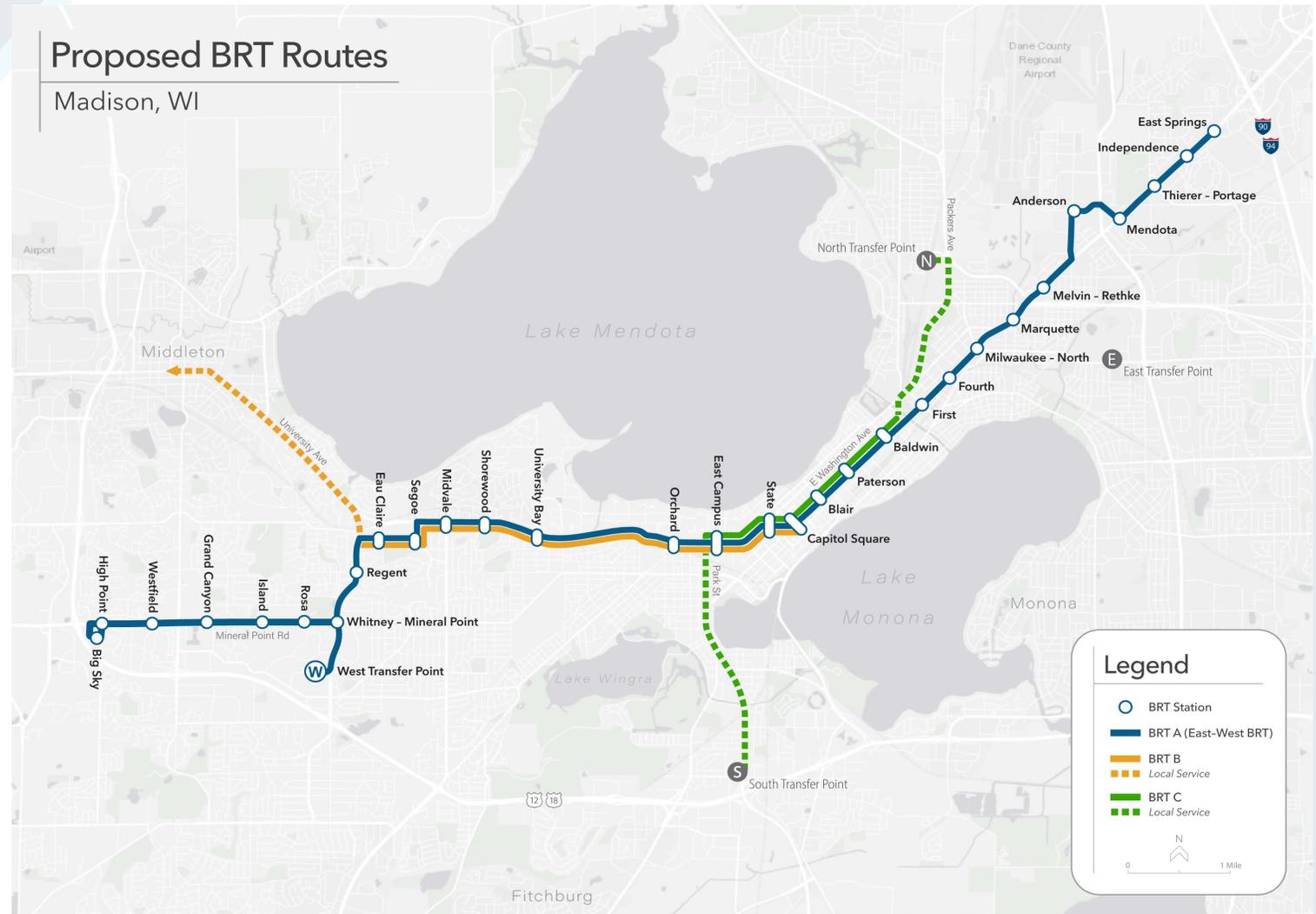


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# Metro Transit Efforts

## Bus Rapid Transit

- Revised and improved financial plan
- Revised Service Plan
- Submitted project to FTA for evaluation
- Refined LPA to center running with revised terminals
- Received additional 5339b grant for \$7 million



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# Metro Transit Efforts

- Pursuit of Satellite Facility
- Transit Network Plan
- Improvements to 1101 EW Facility



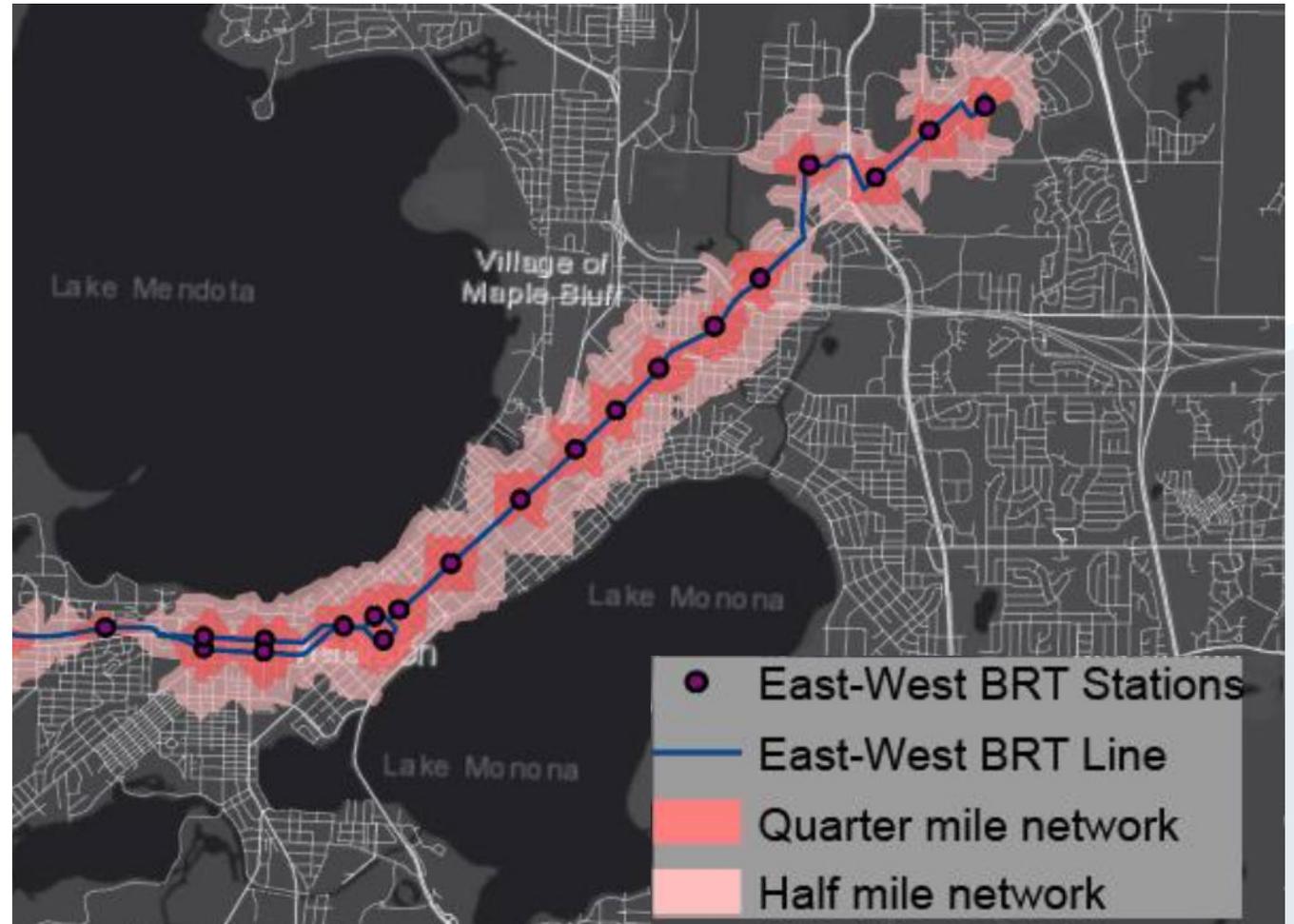
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# Metro Transit Efforts

- **Transit Oriented Development Overlay**
  - Received additional FTA grant to further assist



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# Metro Transit 2021 Initiatives

- **Bus Rapid Transit – NEPA – Project Development**
- **Transit Network Plan and Route Modifications**
- **Facilities – Satellite and 1101 East Washington Ave**
- **Technology Upgrade – fare, bus tracking, etc.**
- **Electric Buses**

# Parking Covid Response

- Revising staff protocols for office and field staff
- Redeployment of staff
- Curb management to support local businesses. Pickup, Streateries
- Suspension of fees, then reduction of fees

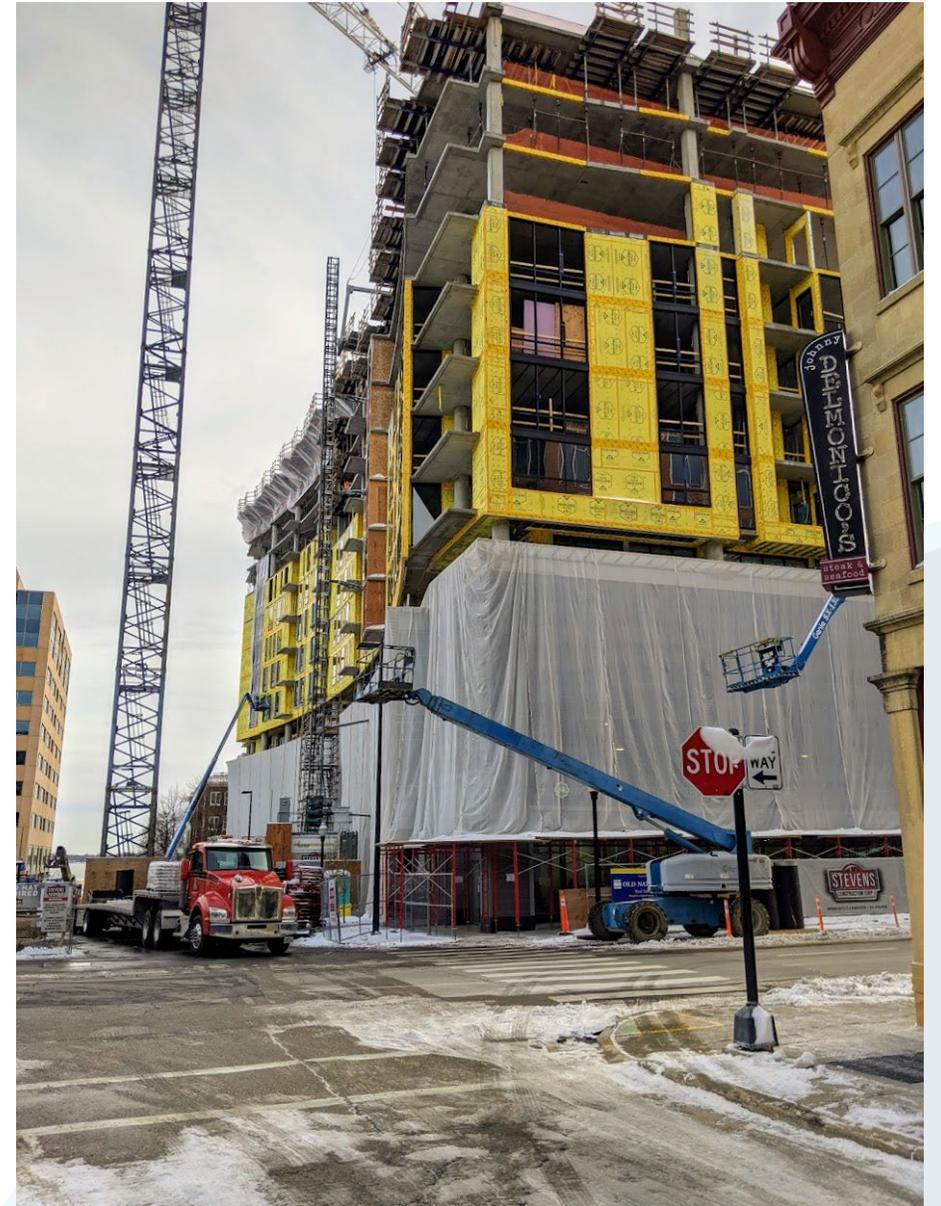


# Parking Efforts

- Wilson Street Garage
- Demolition of Government East



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# Parking Efforts

- Mobile Payment Provider
- Smart Meter Conversion
- Transportation Demand Management Study (with Harvard Intern and SSTI)



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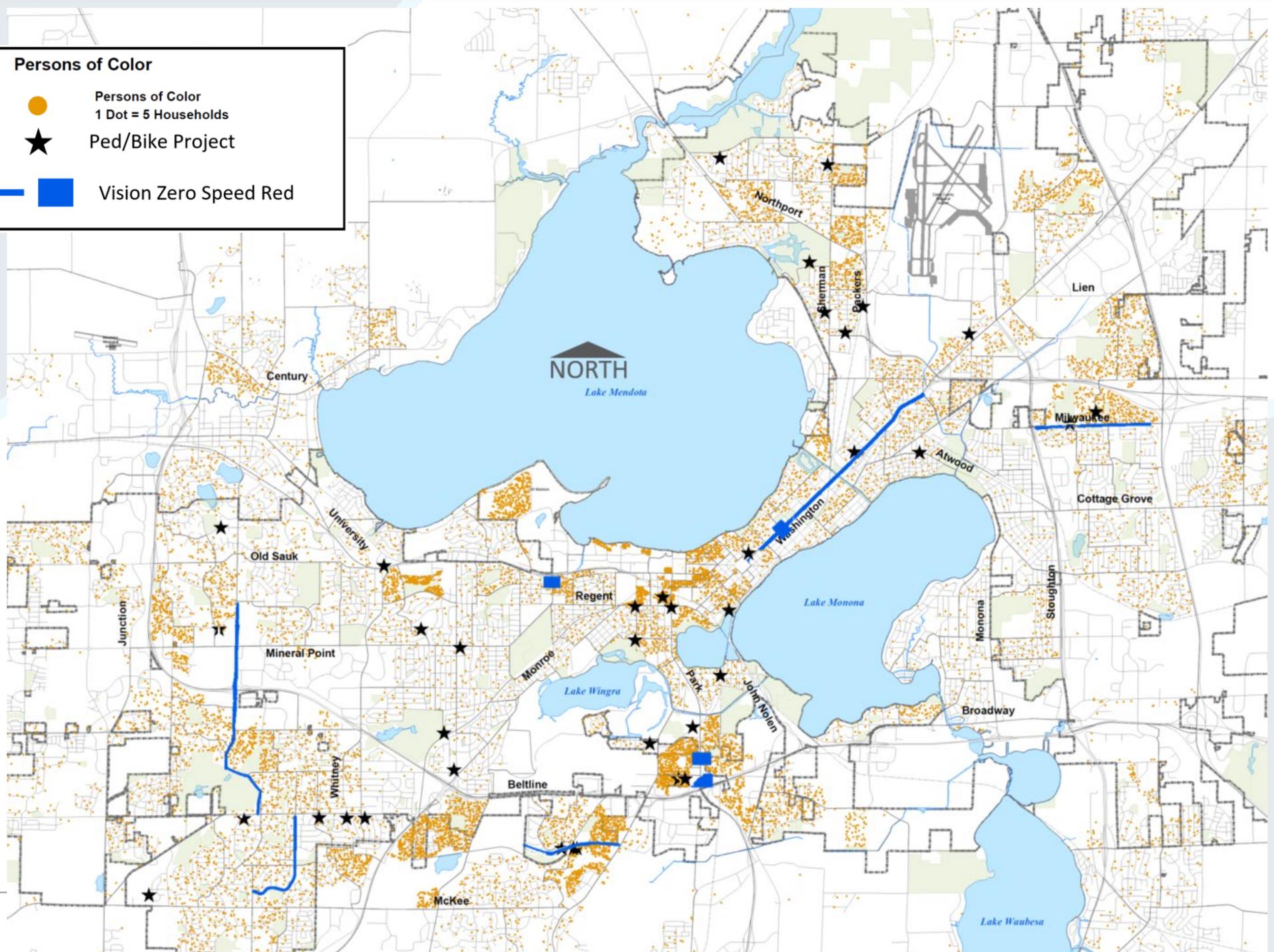
# Parking 2021 Initiatives

- **Parking Enforcement Officer Migration (w/ council approval)**
- **Staff Model Restructure**
- **TDM and On-street Parking Ordinance Review**
- **Explore Joint Development of State Street Campus Garage w/ Intercity Bus Terminal**

# Equity

**Persons of Color**

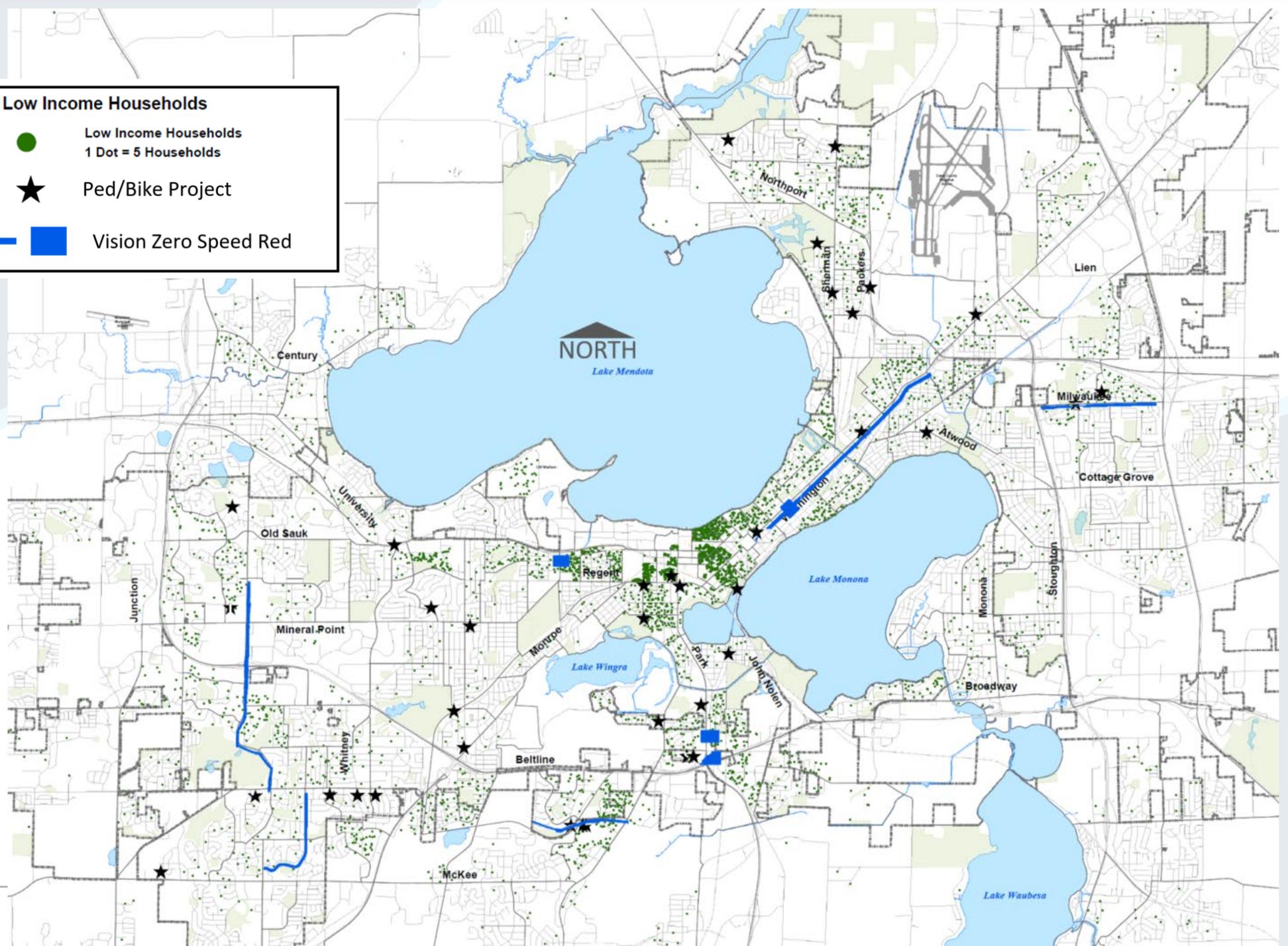
- Persons of Color  
1 Dot = 5 Households
- ★ Ped/Bike Project
- Vision Zero Speed Red



# Equity

**Low Income Households**

- Low Income Households  
1 Dot = 5 Households
- ★ Ped/Bike Project
- Vision Zero Speed Red



# Equity

## Equity Analysis of Metro Weekday Service Changes

% People of Color

25% - 30%

30% - 40%

40% - 50%

50% - 100%

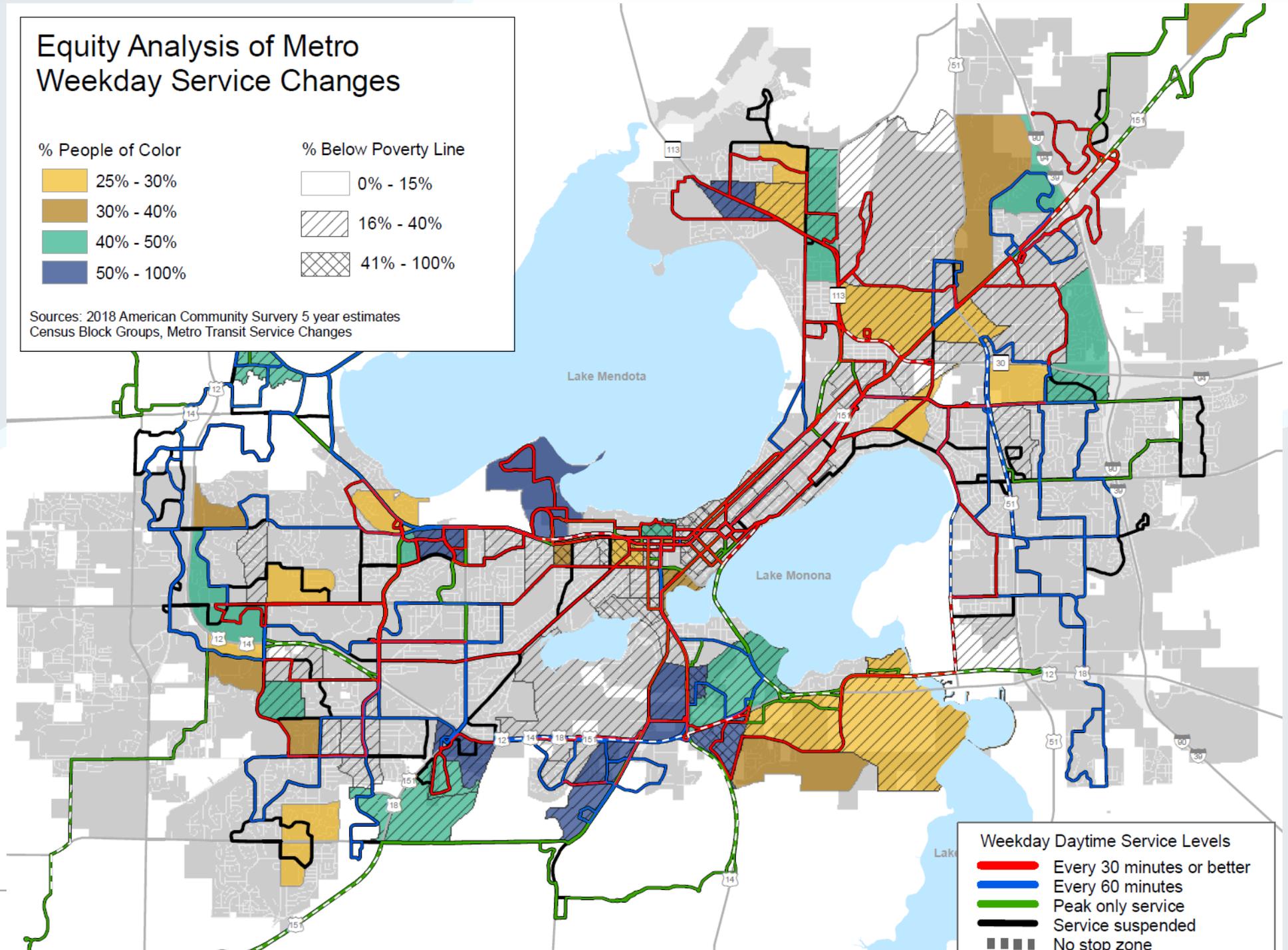
% Below Poverty Line

0% - 15%

16% - 40%

41% - 100%

Sources: 2018 American Community Survey 5 year estimates  
Census Block Groups, Metro Transit Service Changes



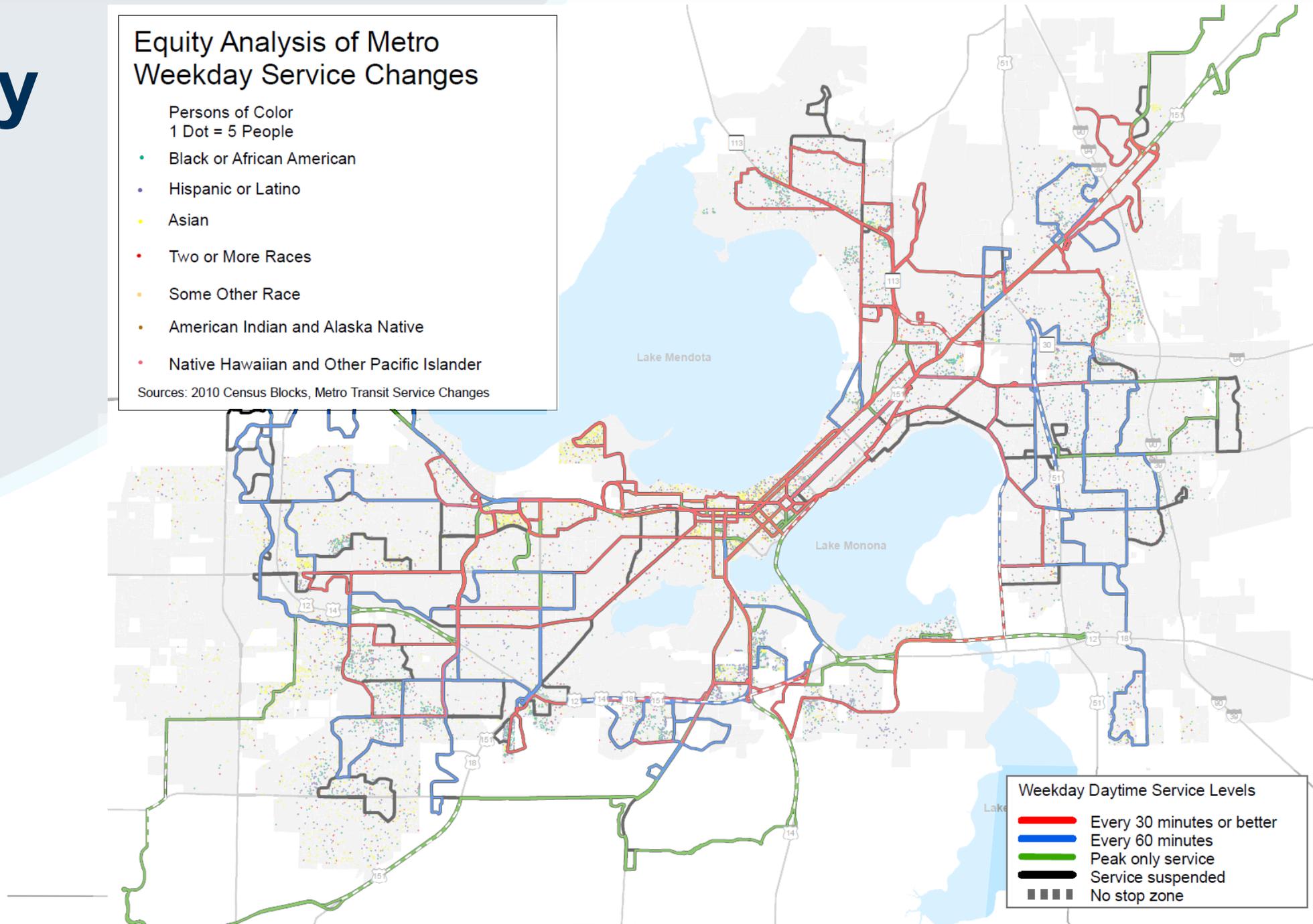
# Equity

## Equity Analysis of Metro Weekday Service Changes

Persons of Color  
1 Dot = 5 People

- Black or African American
- Hispanic or Latino
- Asian
- Two or More Races
- Some Other Race
- American Indian and Alaska Native
- Native Hawaiian and Other Pacific Islander

Sources: 2010 Census Blocks, Metro Transit Service Changes



### Weekday Daytime Service Levels

- Every 30 minutes or better
- Every 60 minutes
- Peak only service
- Service suspended
- No stop zone

