

# Congestion Management Process: Problems and Needs

Thurston Regional Planning Council  
July 12, 2024



# Congestion Management Process (CMP)

A **systematic** and **regionally-accepted** approach for managing congestion that provides accurate, up-to-date information on transportation system performance and assesses alternative strategies for congestion management.



# Congestion Management Process (CMP)

Develop Regional Objectives

Define CMP Network

Develop Multimodal Performance Measures

Collect Data/Monitor System Performance

Analyze Congestion Problems and Needs

Identify and Assess Strategies

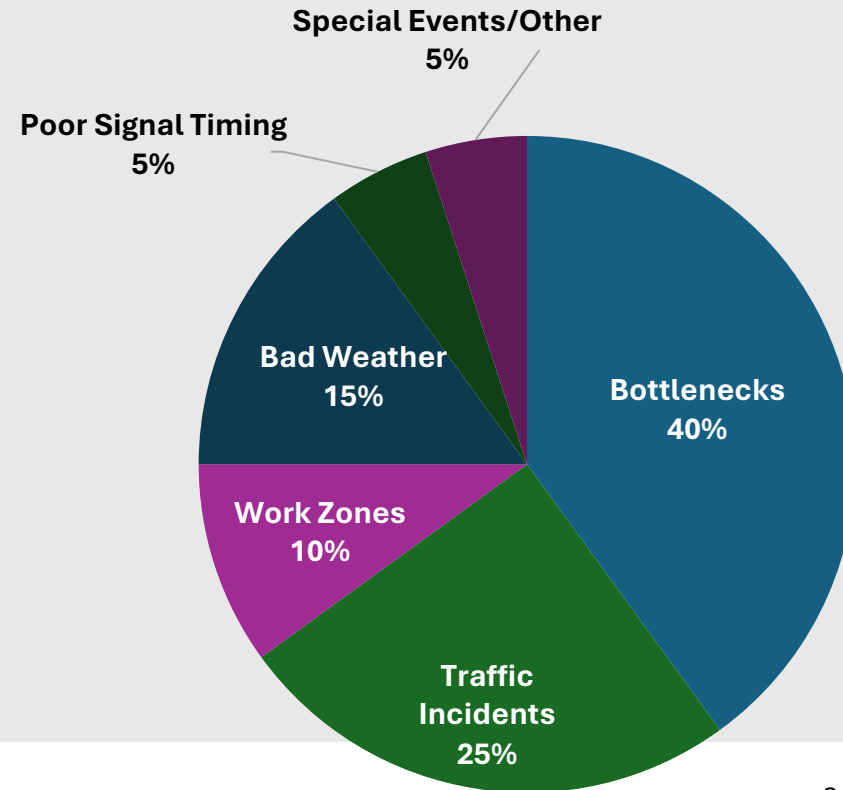
Program and Implement Strategies

Evaluate Strategy Effectiveness

# Defining Congestion for the CMP

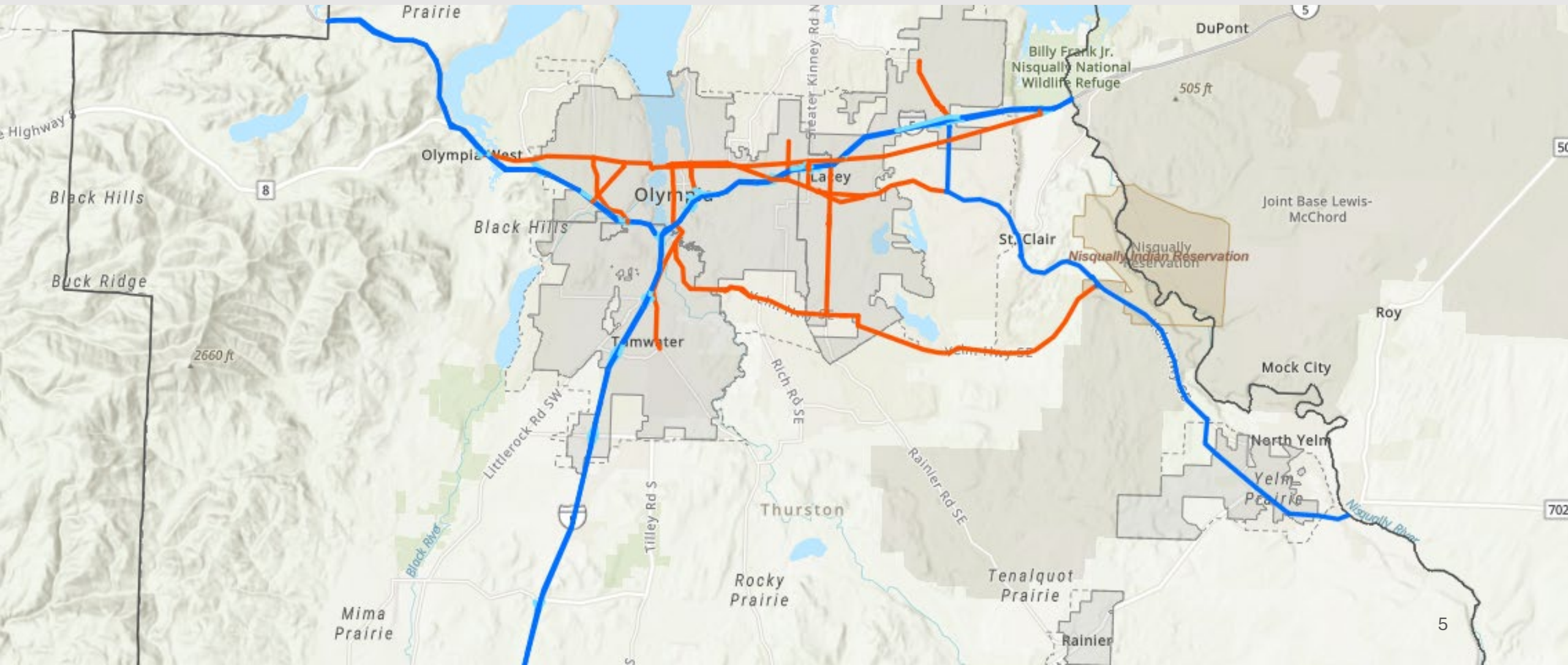
A portion of the roadway was modeled and found to experience a level of service (LOS) of E or F during the 2-hour PM peak, as demonstrated in the adopted regional model's base or future year.

**Sources of Congestion Nationally**



Source: FHWA

# Route Network



# CMP Objectives

- 
- Increase walking, bicycling, transit use, etc.
  - Reduce congestion and improve travel times
  - Reduce fatal and serious injury crashes
  - Maintain our existing transportation assets
  - Improve access to jobs and community destinations

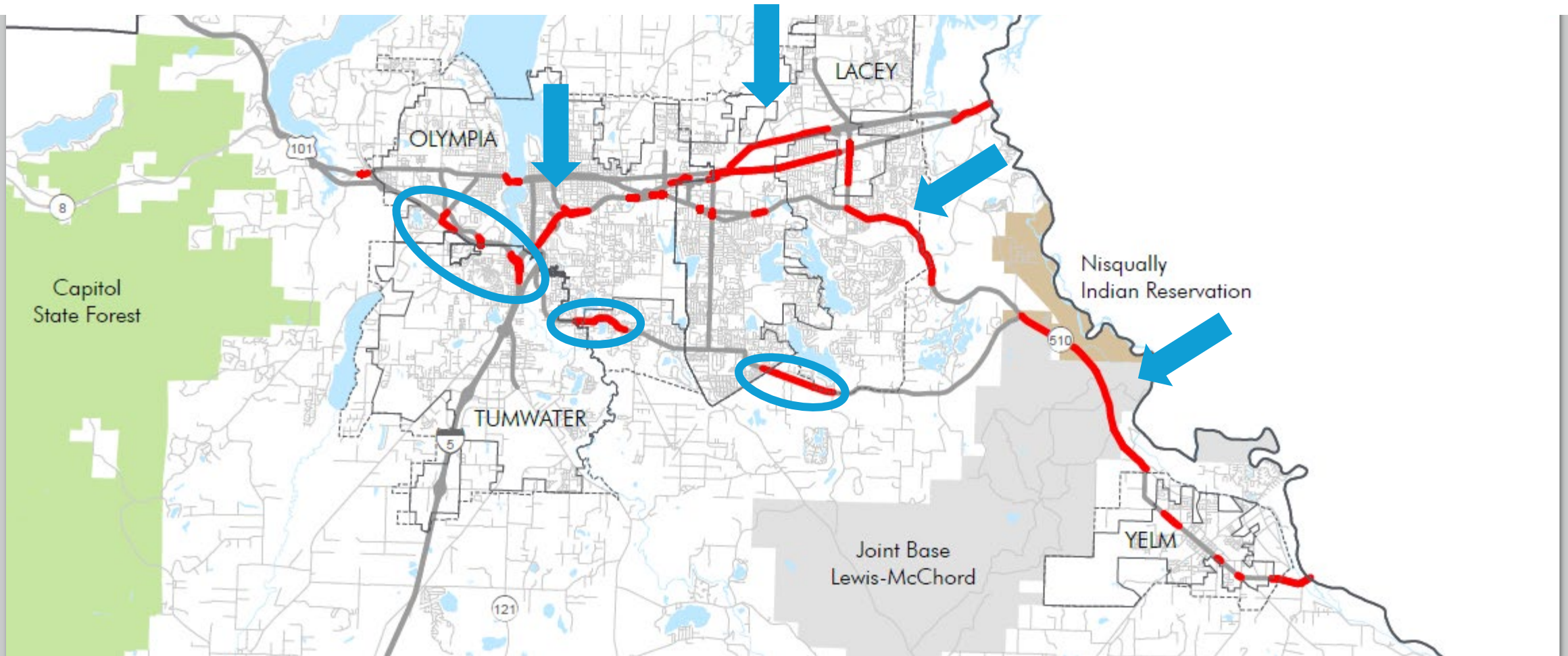
# Analyzing Congestion Problems & Needs

What specific locations have congestion problems?

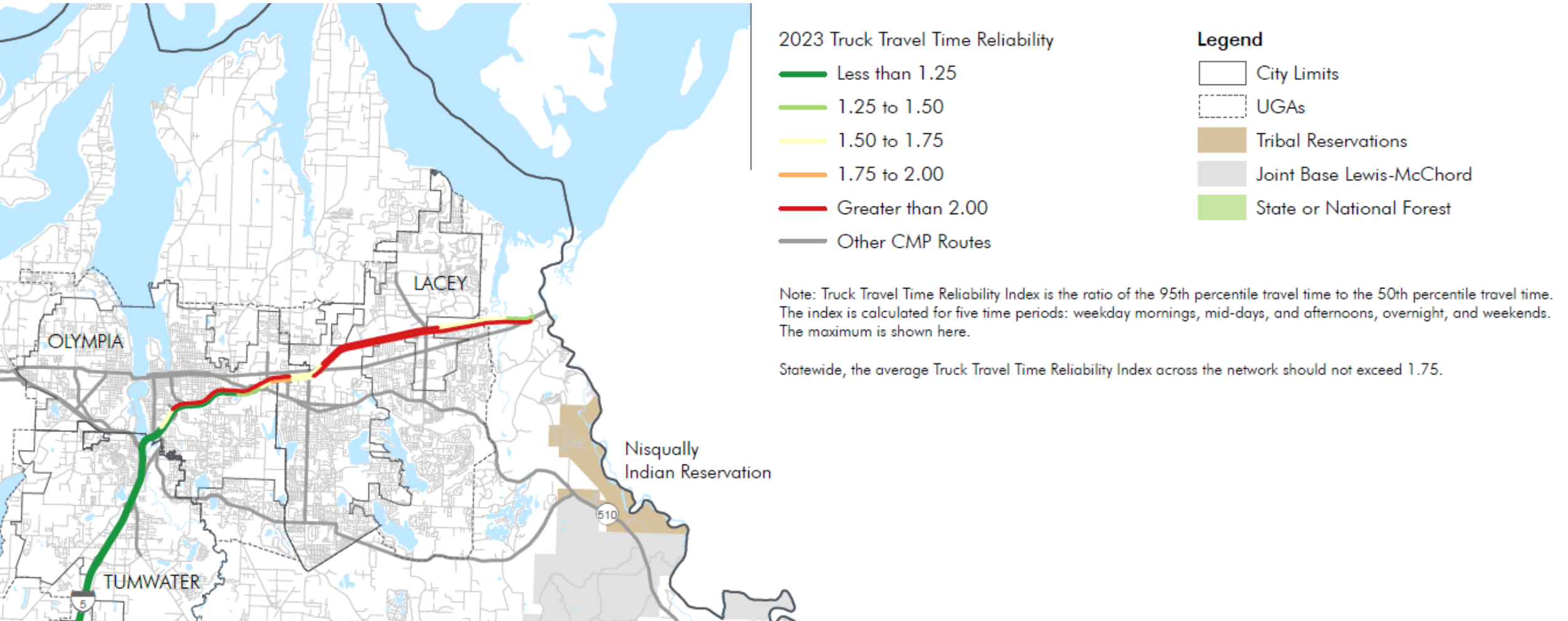
What are the sources of these problems?

- Level of Service (2045)
- Truck Travel Time Reliability (2023)
- Safety

# Level of Service, 2045



# Truck Travel Time Reliability, 2023



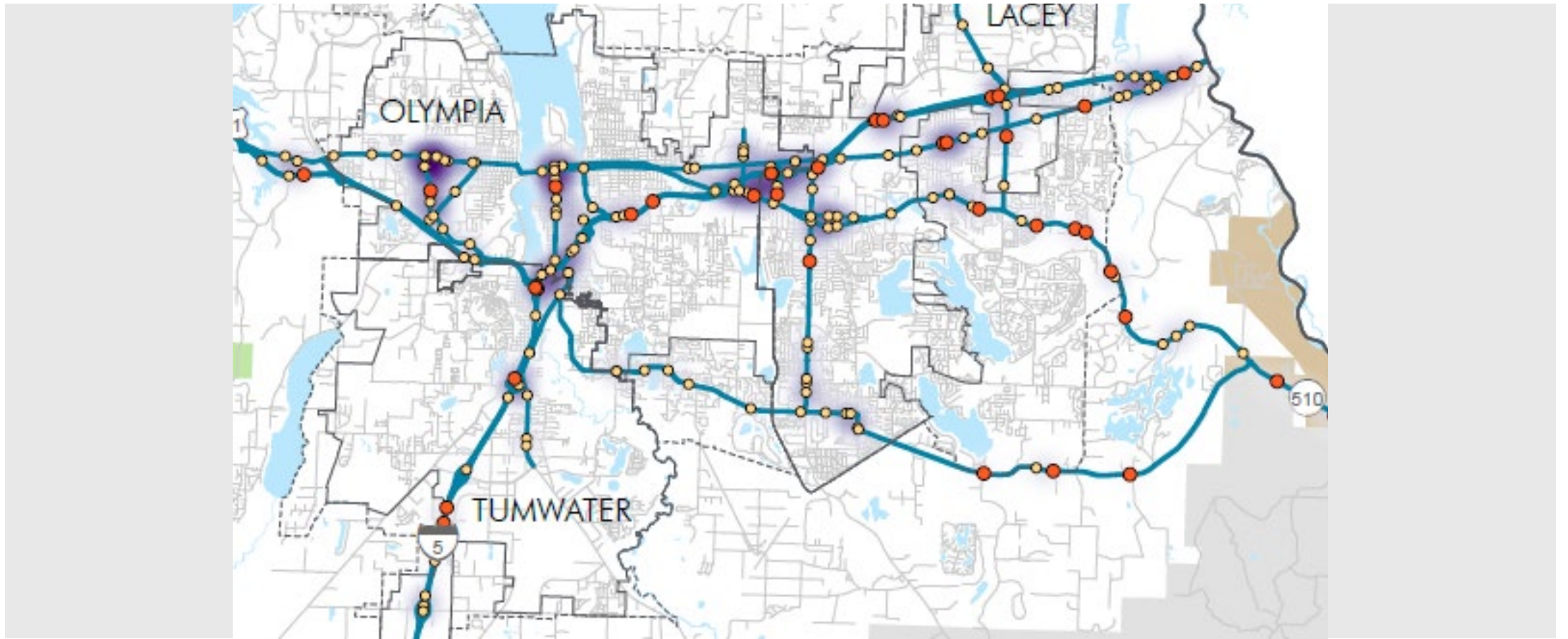
# Safety

Objective 3: Reduce fatal and serious injury crashes.

- Number of Fatal or Serious Injury crashes on CMP network
- Number of Fatal or Serious Injury Pedestrian/Bicyclist crashes on CMP network



# Safety, 2019-2023 (fatal and serious injury crashes)



# Safety

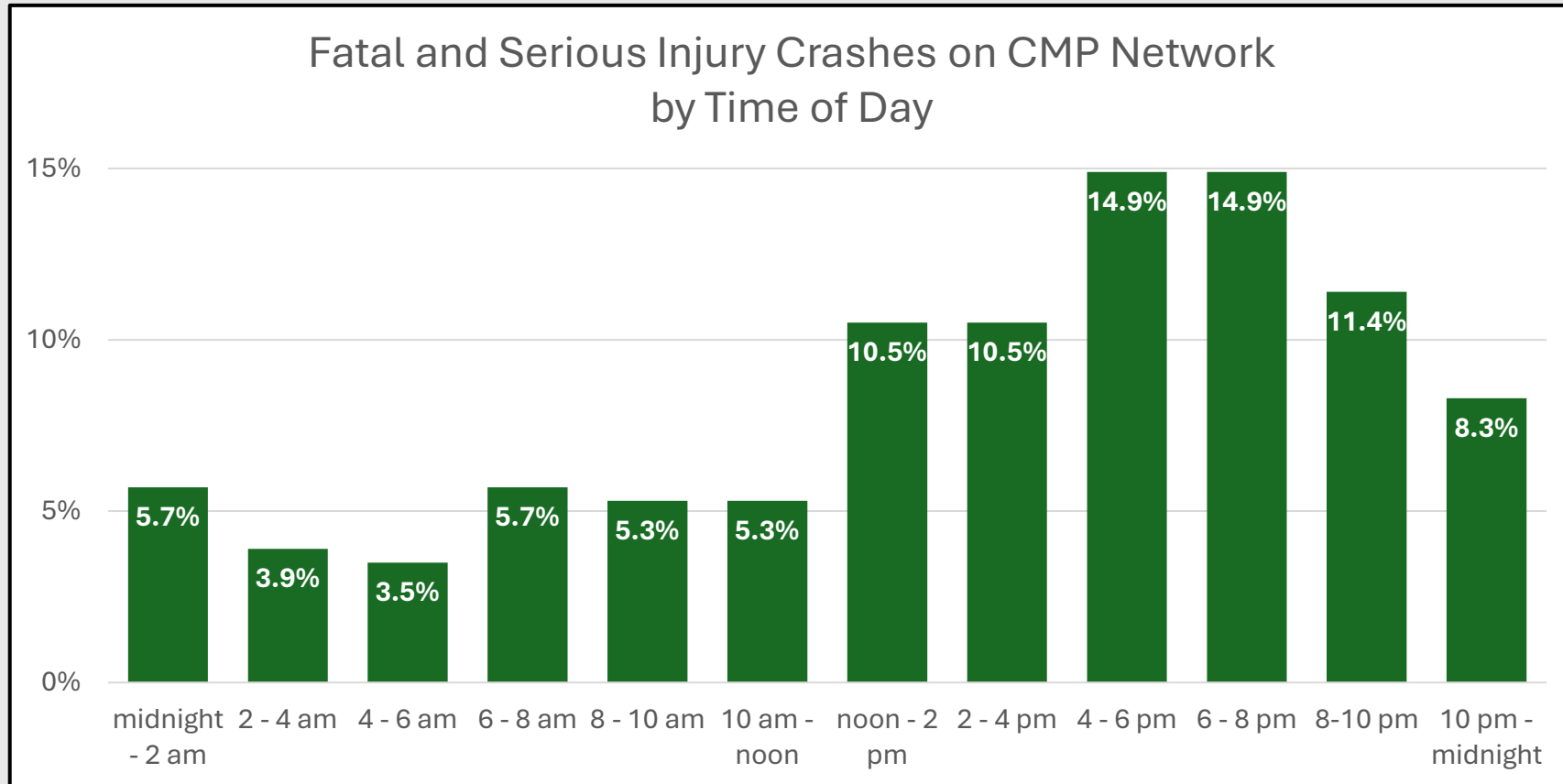
## All Fatal/Serious Injury Crashes on CMP Network

Years	Fatal	Serious Injury	Total
2014-2018	32	134	166
2019-2023	49	179	228

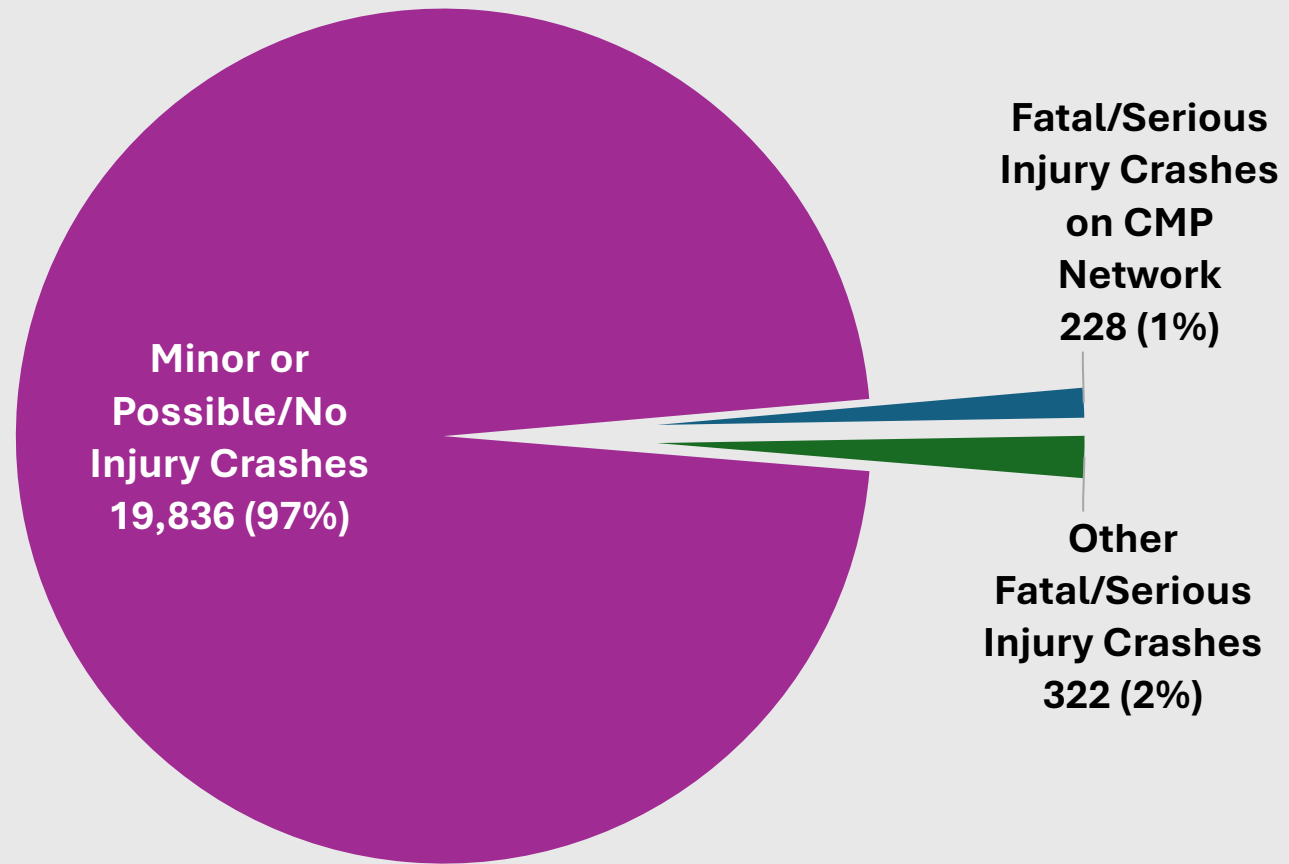
## Fatal/Serious Injury Crashes Involving Pedestrians/Bicyclists on CMP Network

Years	Fatal	Serious Injury	Total
2014-2018	6	40	46
2019-2023	12	55	67

# Safety (crashes 2019-2023)



# Crashes Countywide, 2019-2023



Source: [WSDOT Crash Data Portal](#), TRPC

# Safety (critical touchpoints in TRPC's work)

## Regional Transportation Plan

- Make the system safer for all users

## Federal Performance Measures & Target

- Fatalities
- Fatalities per 100 million VMT
- Serious injuries
- Serious injuries per 100 million VMT
- Non-motorist fatalities and serious injuries

## Call for Projects Criteria

- Projects that reduce risk for collisions, serious injuries, or fatalities
- Priority projects that offer greater risk reductions

## Regional Transportation Safety Action Plan



# July 10<sup>th</sup> TPB Discussion

Maintain safety as THE focus of the CMP

- TPB took formal action to reject the idea of removing safety as a focus area for the CMP



# Key Takeaways & Discussion

01

## Focus Area 1: Safety

- Fatalities and serious Injuries
- Non-Motorist Fatalities and serious injuries

02

## Focus Area 2: Level of Service

- I-5
- Martin Way
- US 101
- Yelm Highway
- SR 510

03

## Focus Area 3: Truck Travel Time Reliability

- I-5

# Next Steps

## Analyze Congestion Problems and Needs

- Jun/Jul: TAC Discussion

## Identify and Assess Strategies

- Jul/Aug: TAC Discussion

## Final Review

- Aug/Sep: TAC Review
- Sep/Oct: TPB Recommendation
- Oct/Nov: Council Review & Action