OTO Congestion
Management Process
Phase III:
Congestion Monitoring
and Strategy Evaluation
2024

OTO Board of Directors Meeting September 19, 2024



# OZARKS TRANSPORTATION ORGANIZATION

A METROPOLITAN PLANNING ORGANIZATION

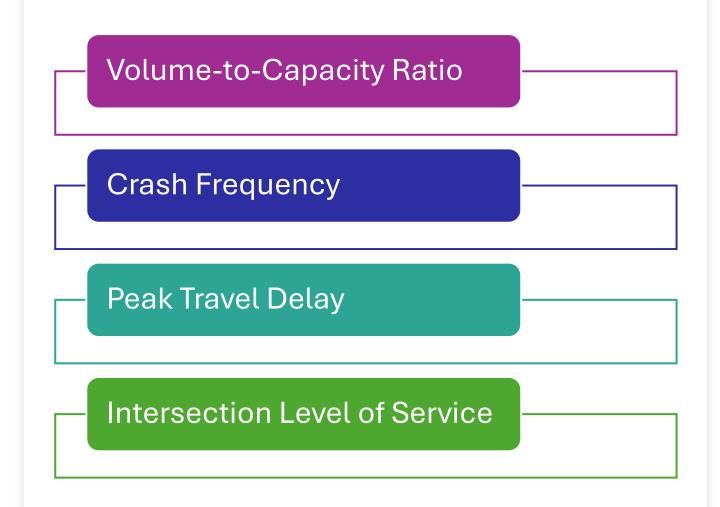


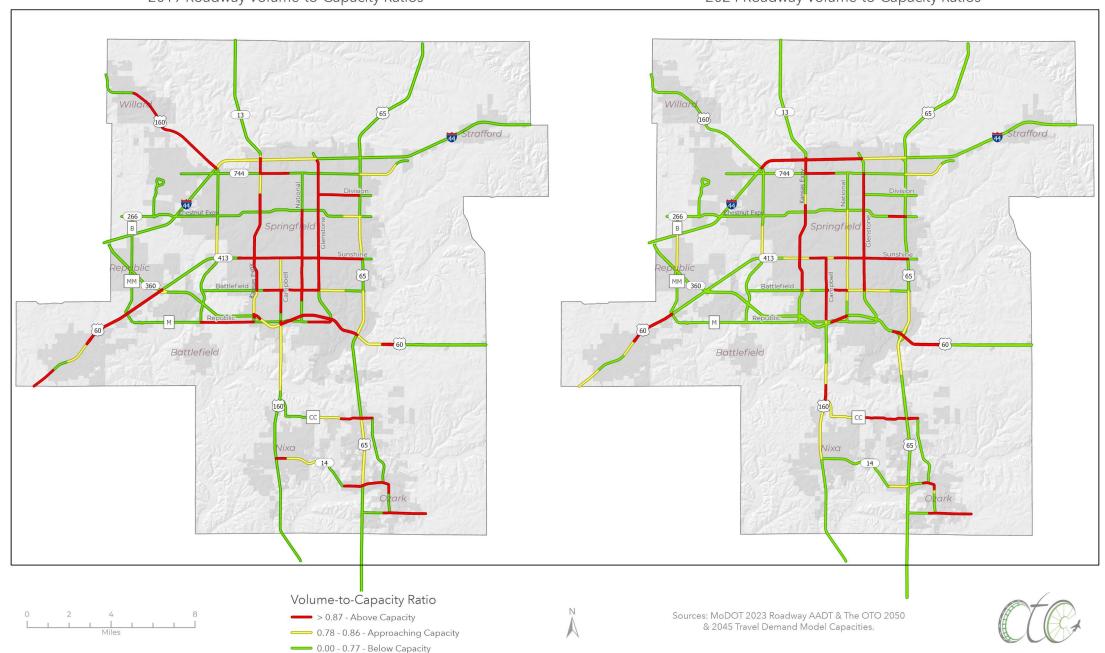
### Daily VMT & Population 2019 - 2023

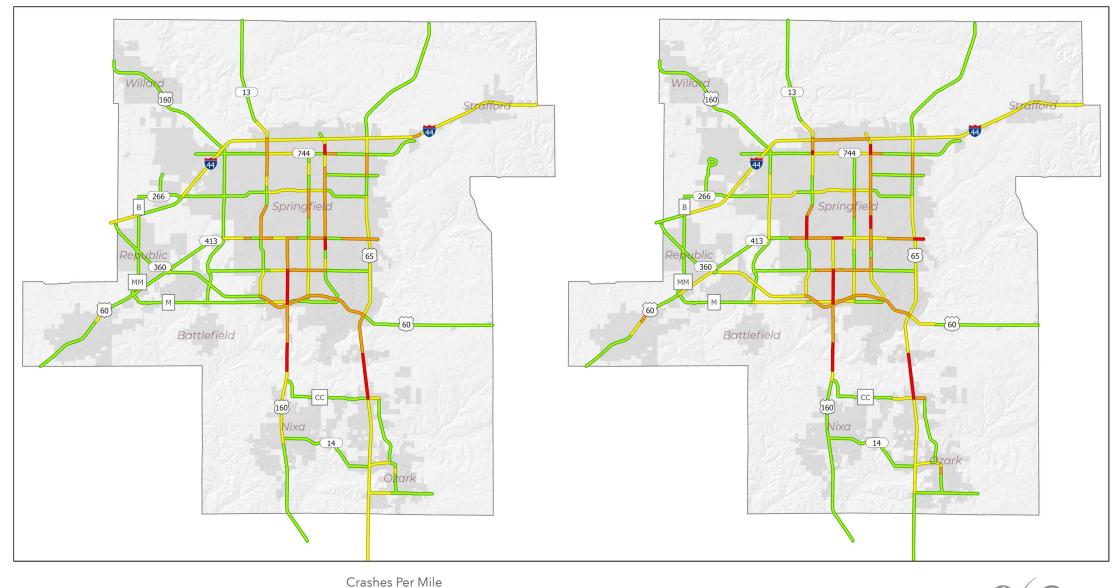
Year	VMT	OTO Population	VMT per Capita
2023	5,923,899	353,503	16.76
2022	5,705,465	351,277	16.24
2021	5,482,804	346,710	15.81
2020	5,025,591	343,141	14.65
2019	5,592,422	334,485	16.72
2018	5,460,495	332,321	16.43
2017	5,502,936	329,330	16.71

- VMT increase of 331,477 miles travelled daily, **5.9**% since 2019
- OTO area population increased 19,003 people, 5.7% since 2019

## Congestion Metrics Monitoring







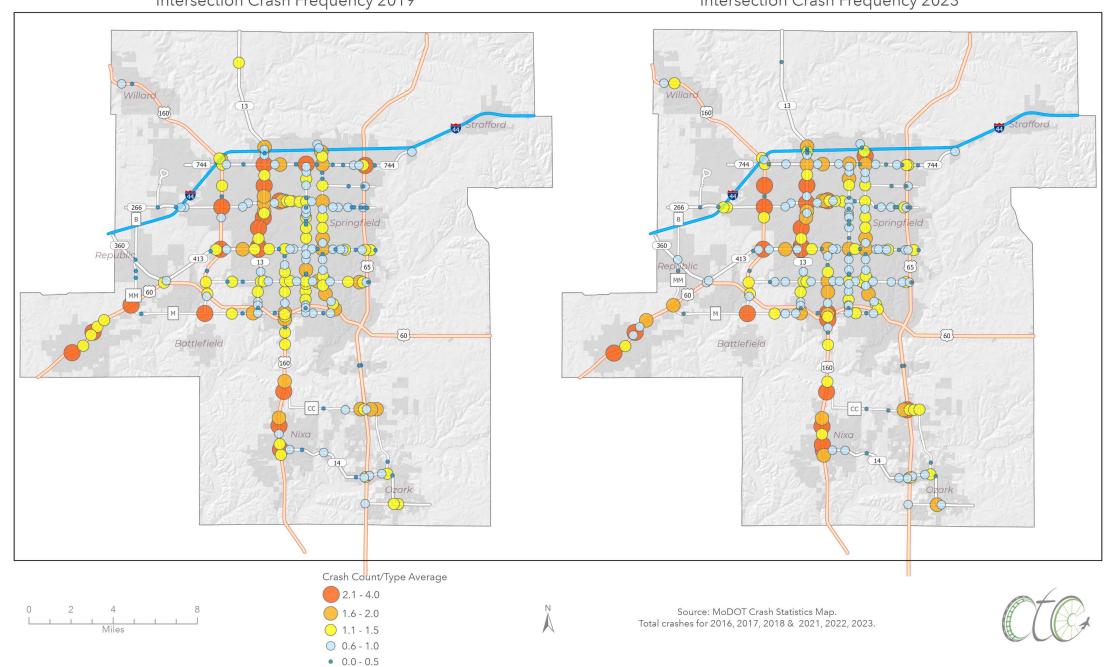


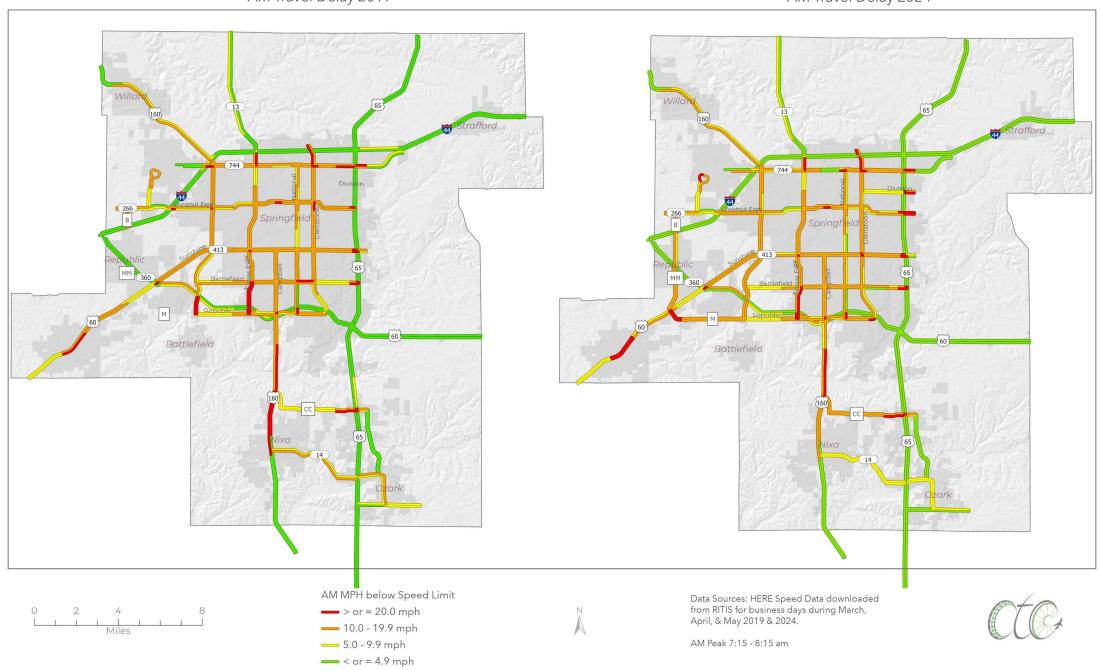


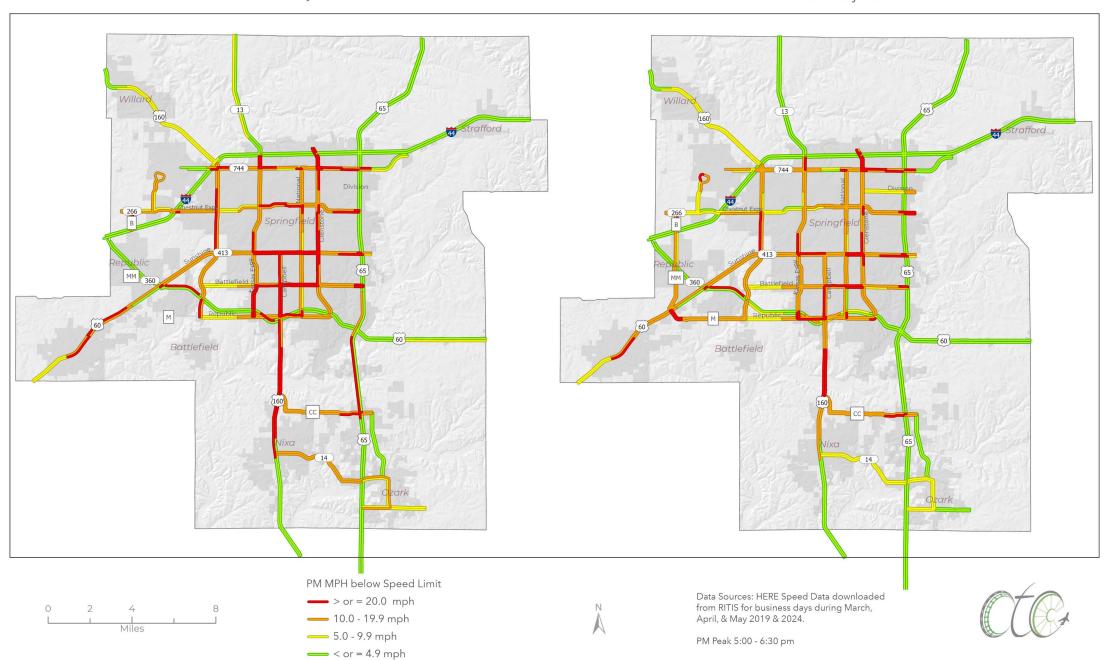


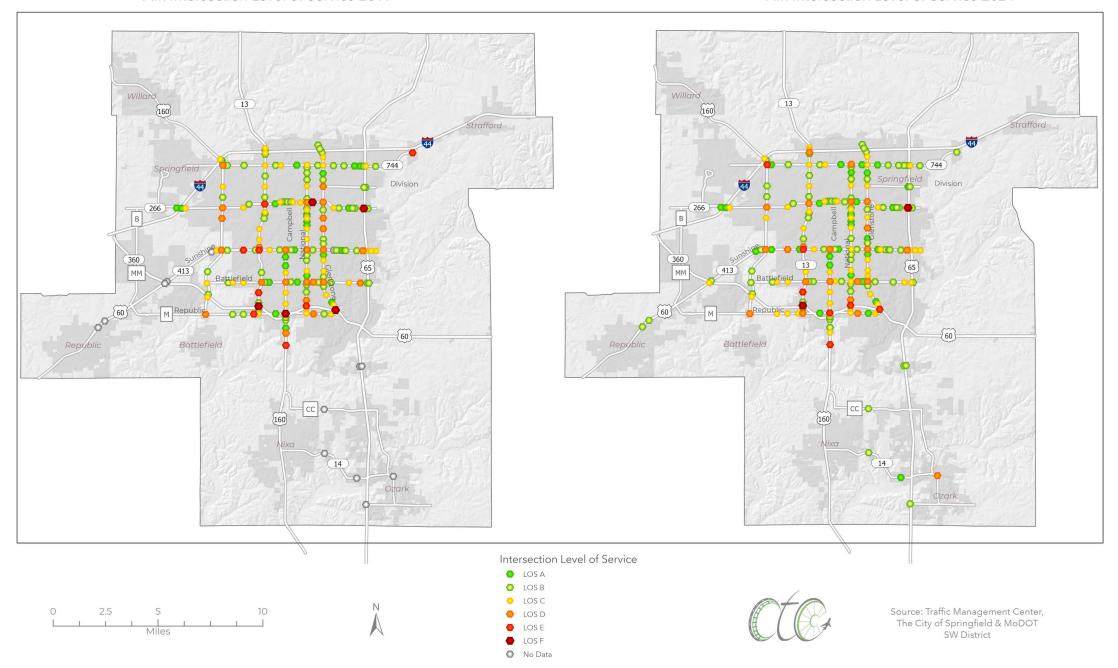
Data Source: MoDOT Crash Statistics Map. Total Crashes for 2017, 2018, 2019 & 2021, 2022, 2023

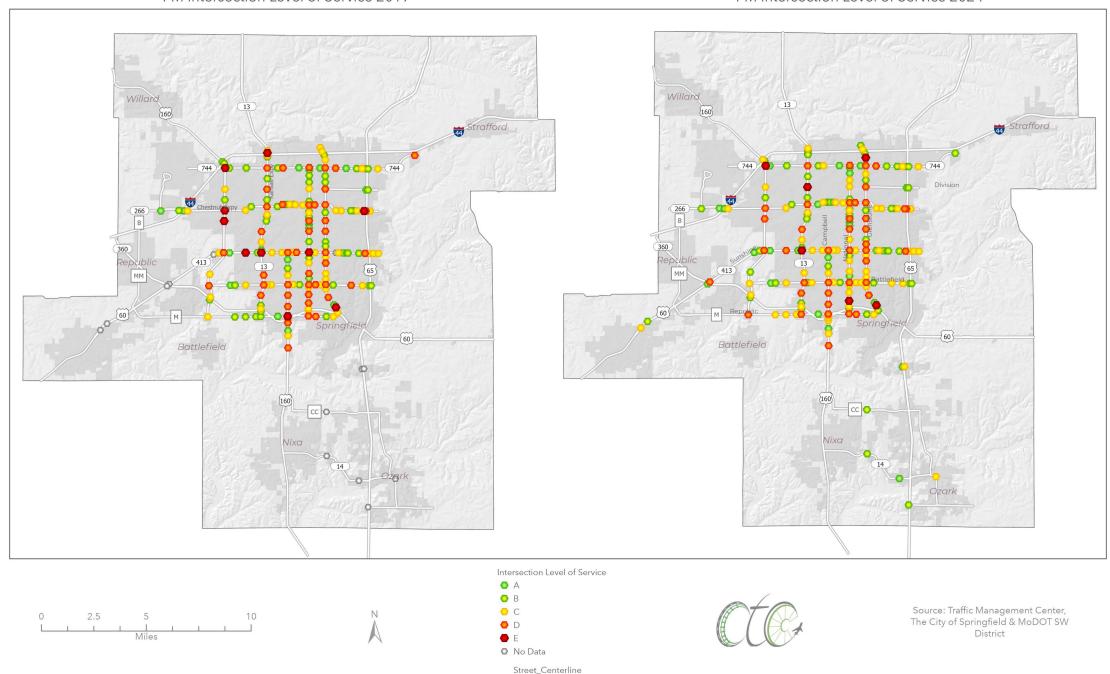












#### **Congestion Metric Summary**



Adding lanes has lowered volume to capacity ratios on roads that were considered over capacity in 2019



18% (44 of 240) signalized intersections had an above average number of crashes in 2024. This is a significant improvement compared to 25% (54 of 220) of intersections having an above-average crash frequency in 2019



In 2019, the percentage of roadways congested during the AM peak was 7% and 16.8% during the PM peak. In 2024, the percentage of congested roadways was 3.5% during the AM peak and 7.8% for the PM peak



A total of 32 intersections saw improved LOS and 21 intersections saw deteriorated LOS during morning commutes between 2019-2024. The PM commute saw similar movements, with 33 improving and 16 deteriorating

#### Strategy Evaluation

Strategy #1 Improve Roadway Operations

Strategy #2 Reduce Miles Travelled (VMT) at Peak Travel Times

Strategy #3 Shift Trips from Automobile to Other Modes

Strategy #4 Shift Trips from SOV to HOV Automobile/Van

Strategy #5 Add Capacity



Thank You!