

Open House #2

April 29, 2024



ARRIVE 2050

METROPOLITAN
TRANSPORTATION PLAN

Existing Conditions



Baseline System Conditions



SAFETY

- 5-years of data
- Crash Heat Map (future)
- Top 30 Crash Intersections
- Regional Summary



COMPLETE STREETS

- Incorporate Bike and Pedestrian Plan
- Update per Engagement and New Ideas



TRAFFIC OPERATIONS

- Summarize LOS from NPMRDS Probe Data
- Regional V/C Analysis Where Detailed Studies Aren't Available
- Other Regional Studies?



ENVIRONMENTAL BASELINE

- Assemble Data
- Identify Constraints



PAVEMENT AND BRIDGE

- Reviewing pavement data in 'State of the Streets'
- Reviewing National Bridge Inventory Data



TRANSIT

- Incorporate Transit Development Plan



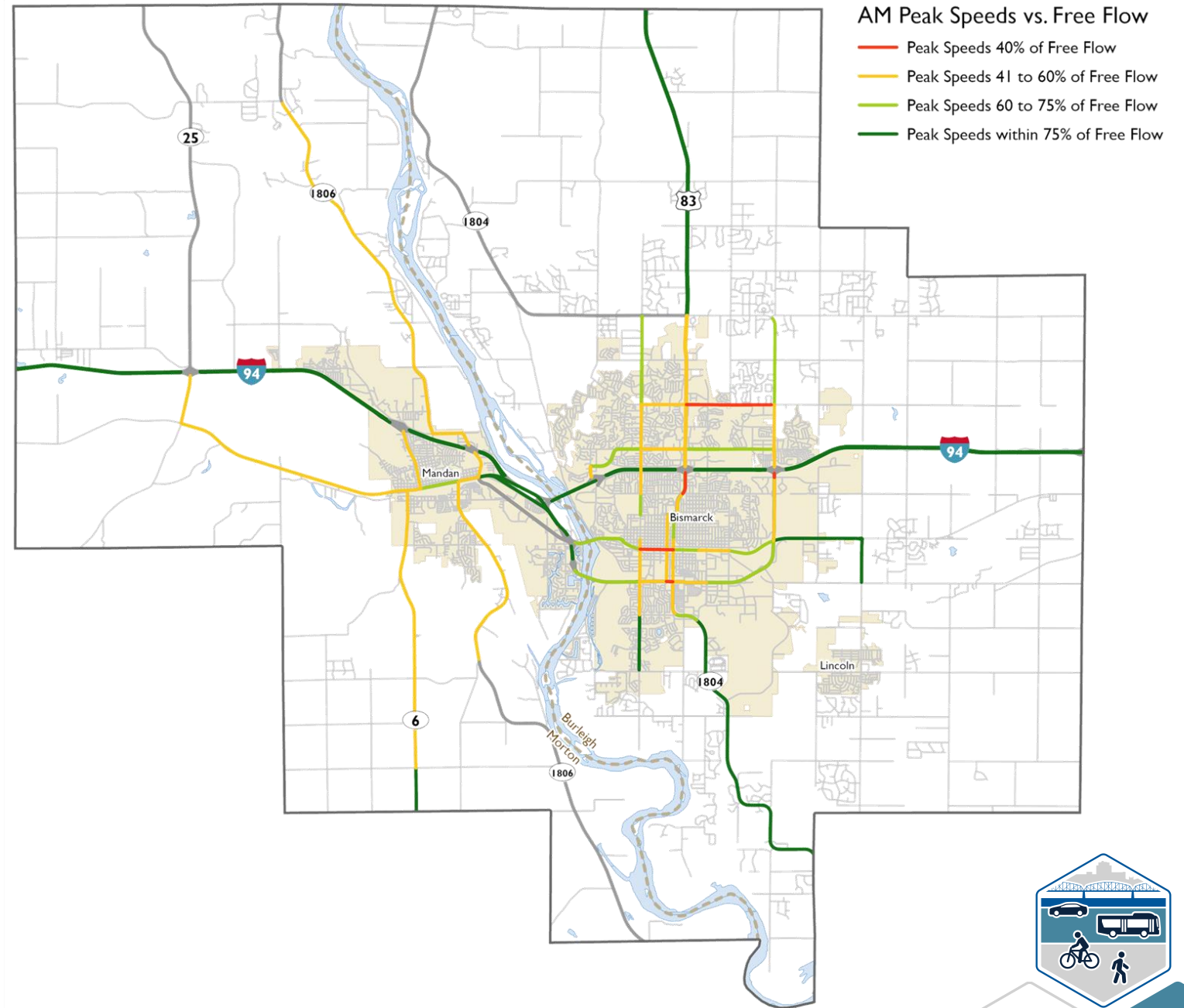
FUTURE CONDITIONS (COMING SOON)

- Traffic Forecasts
- Future Connections



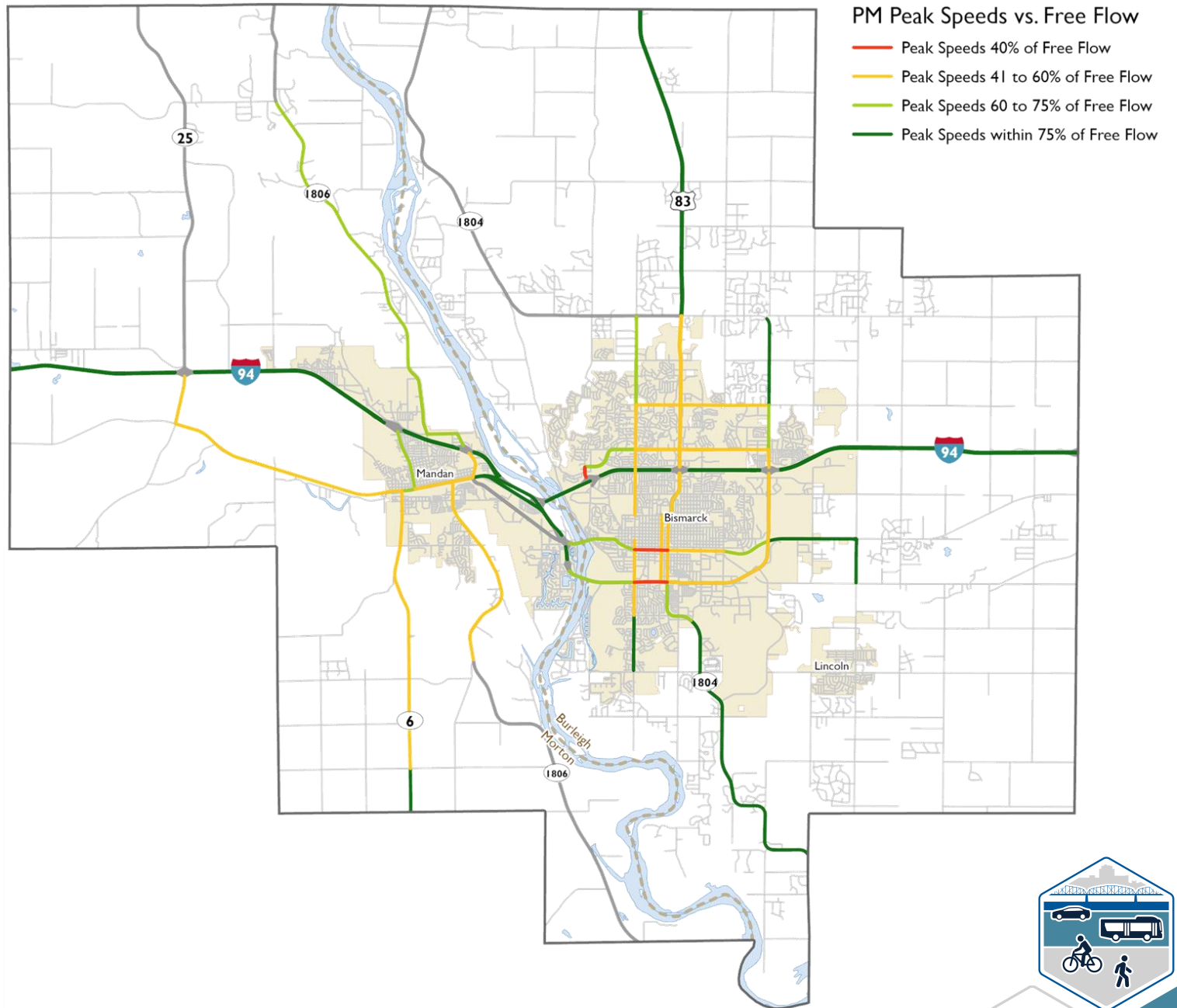
Peak Period Delays-Refined AM Period

Typical slowest 15 minutes
compared to free flow speed



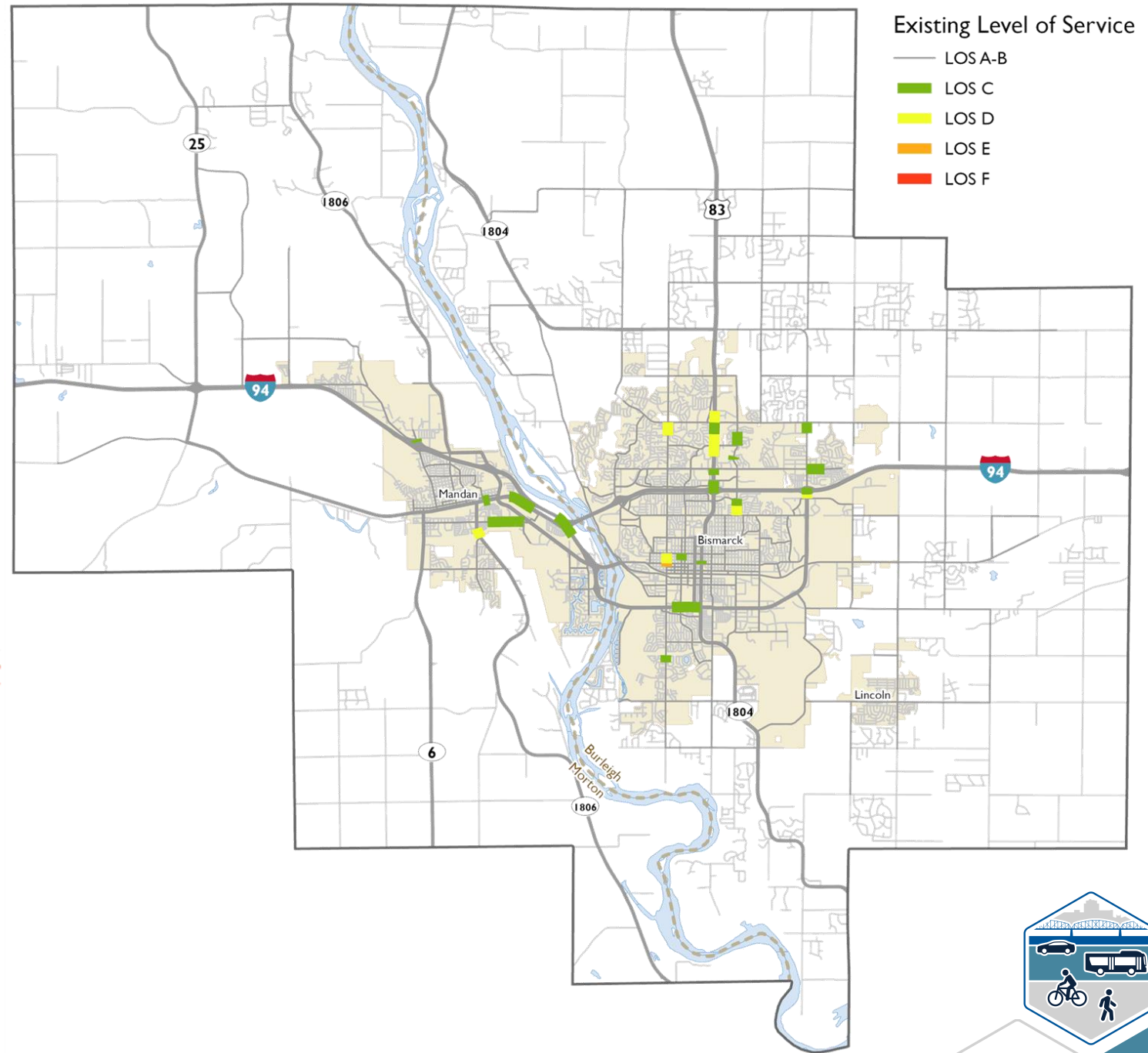
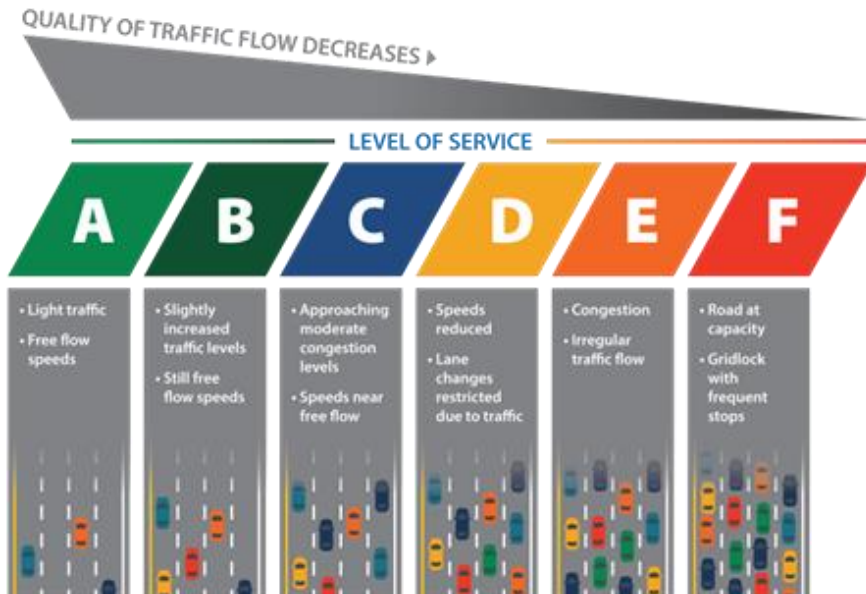
Peak Period Delays-Refined PM Period

Typical slowest 15 minutes
compared to free flow speed

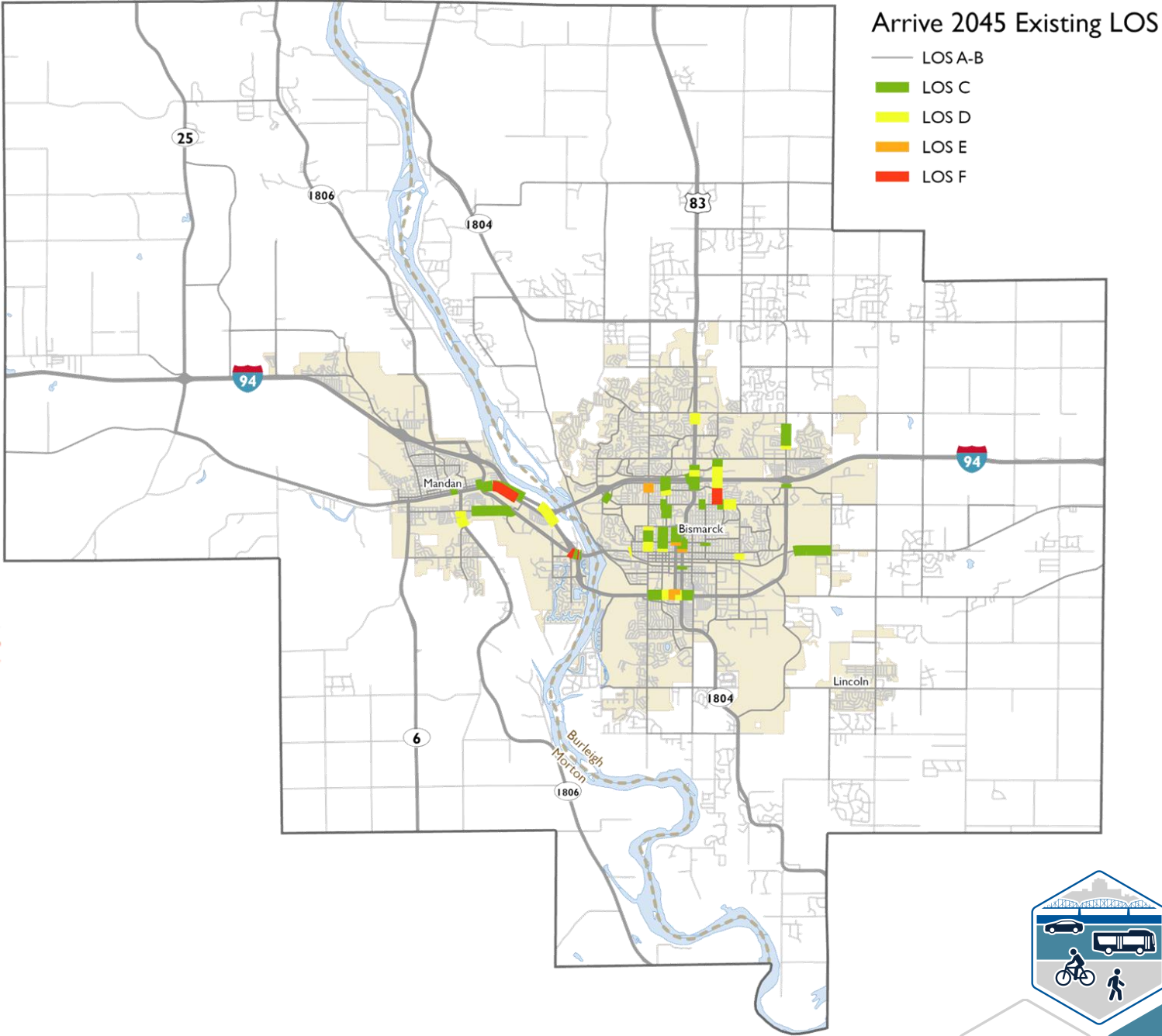
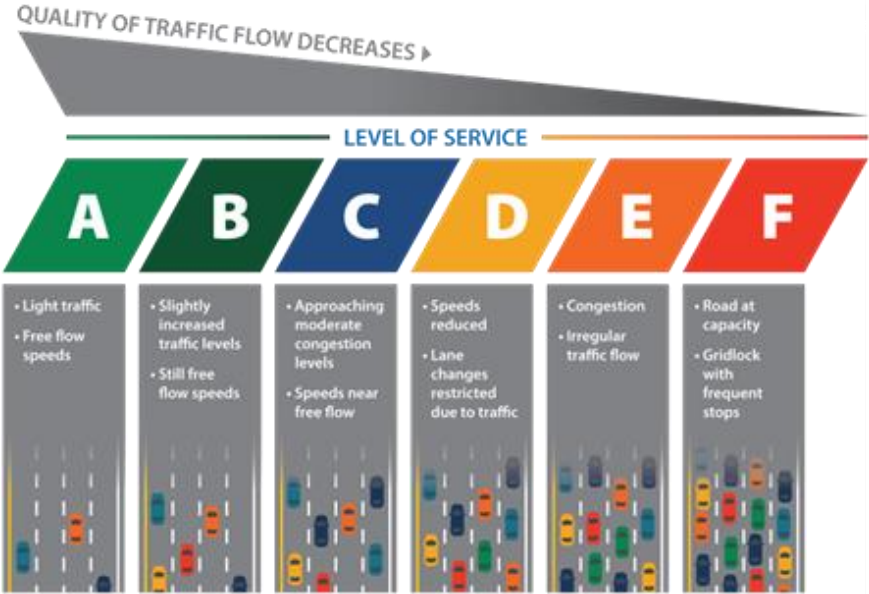


Planning Level of Service

Draft V/C Approach

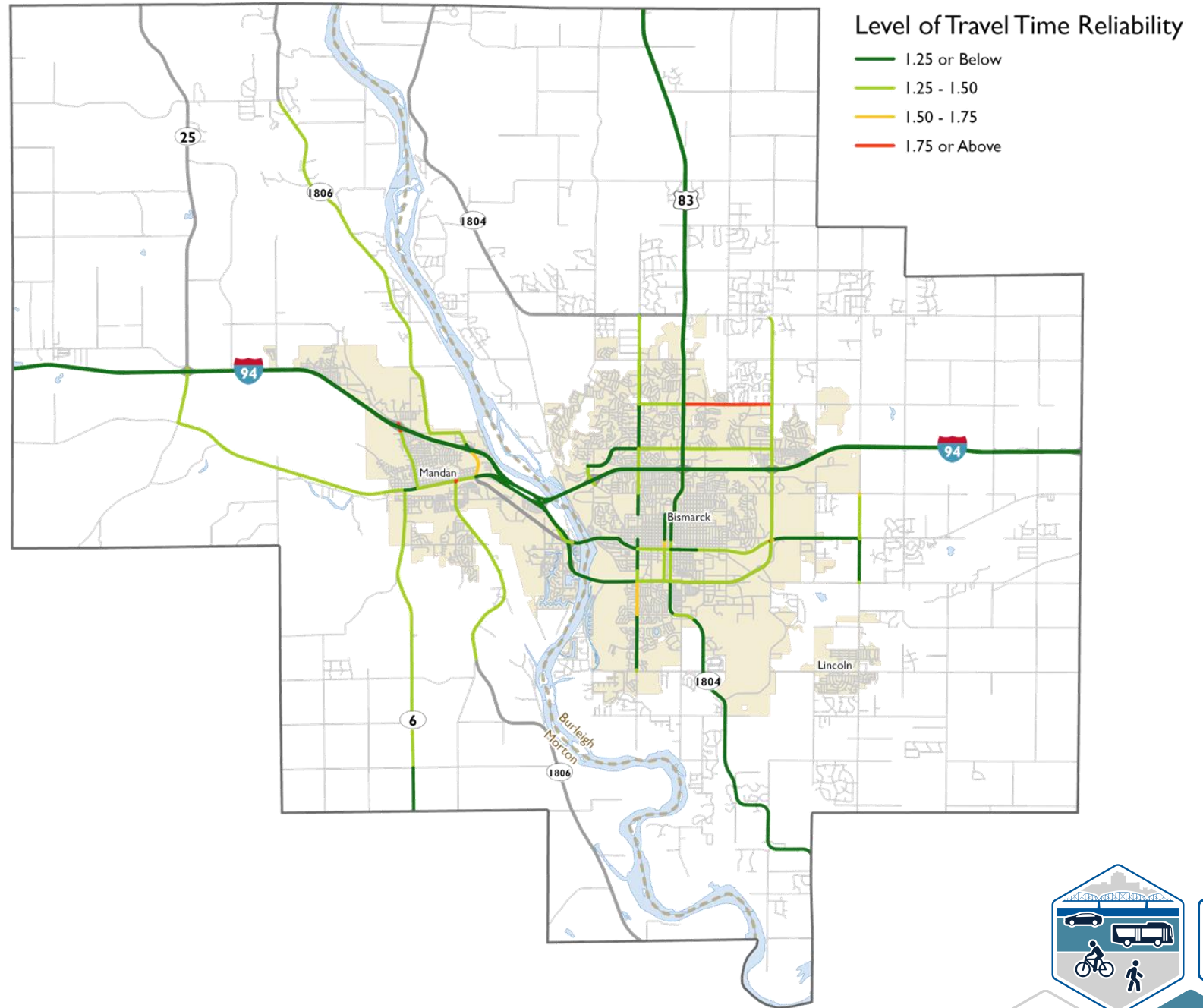


Arrive 2045 Planning Level of Service



Travel Time Reliability

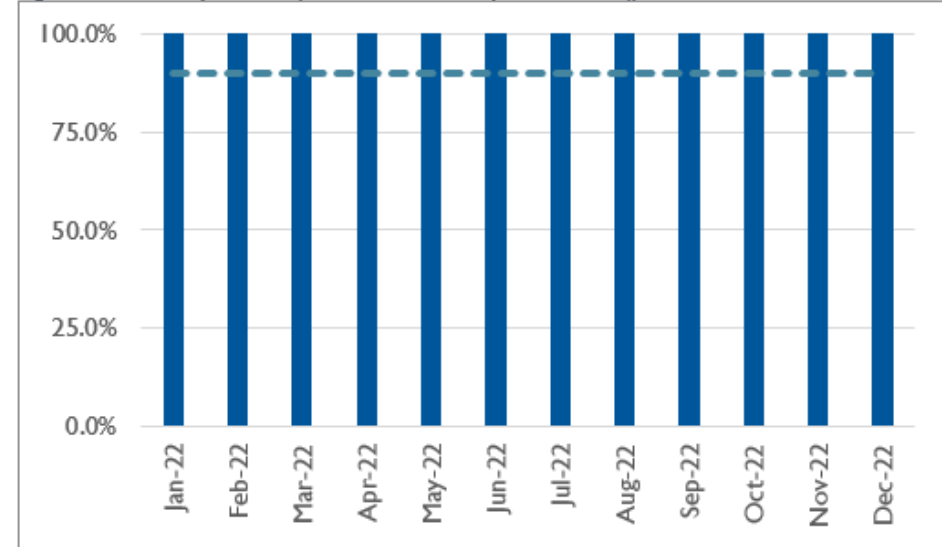
How Predictable / Repeatable are Travel Times?



System Reliability

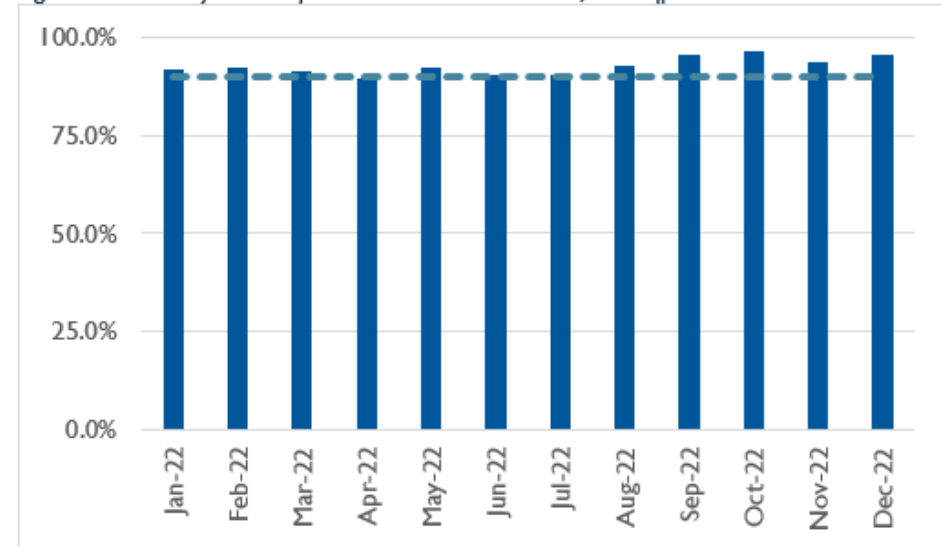
Performance Goal is to have reliability over dotted line

Figure 20: Monthly LOTTR for the Interstate System, 2022



Source: National Performance Management Research Dataset, 2022

Figure 21: Monthly LOTTR for the Non-Interstate NHS, 2022

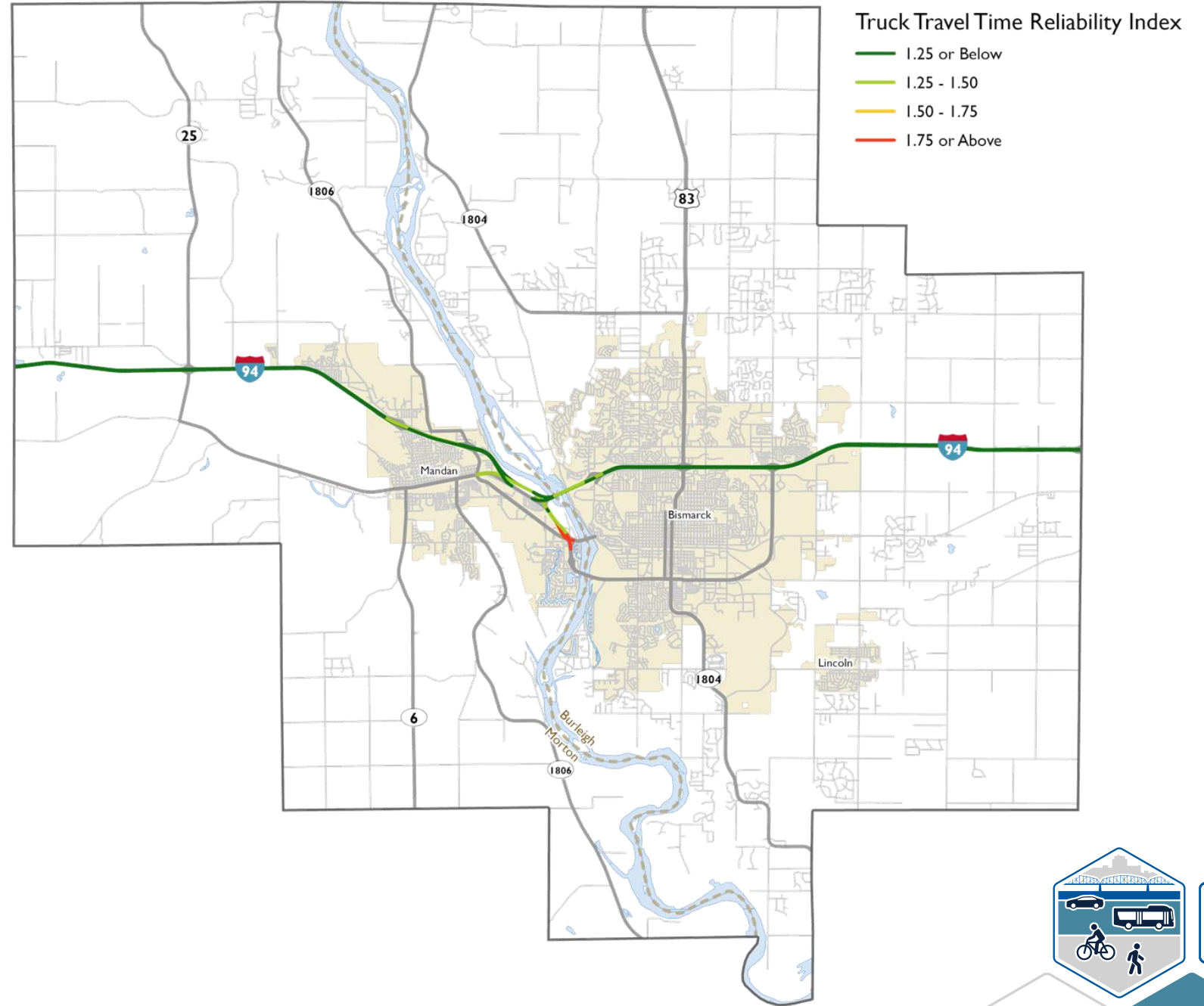


Source: National Performance Management Research Dataset, 2022

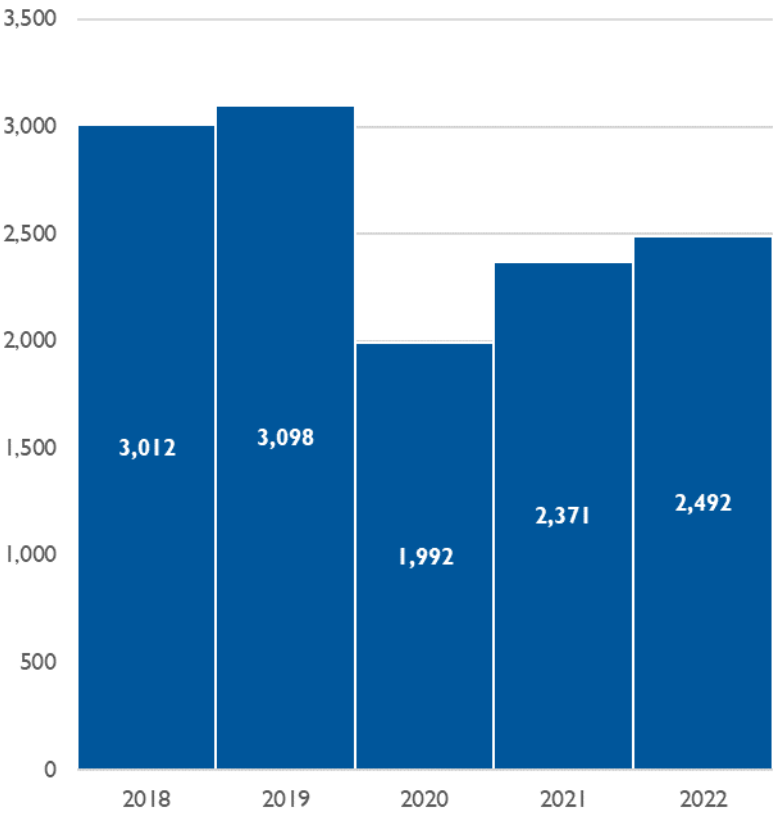


Truck Travel Time Reliability Index

How Predictable / Repeatable is Truck Travel?

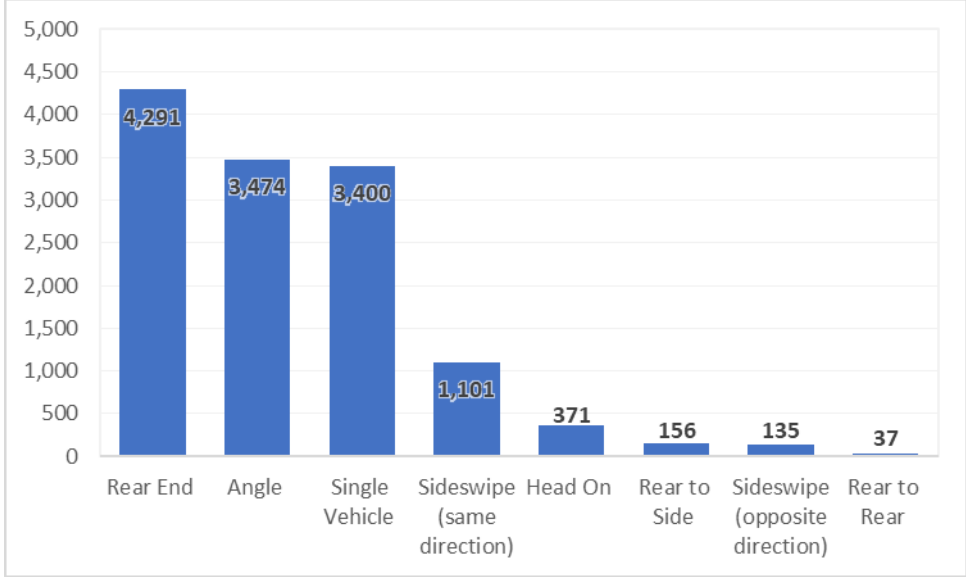


Crash Data, 2018-22

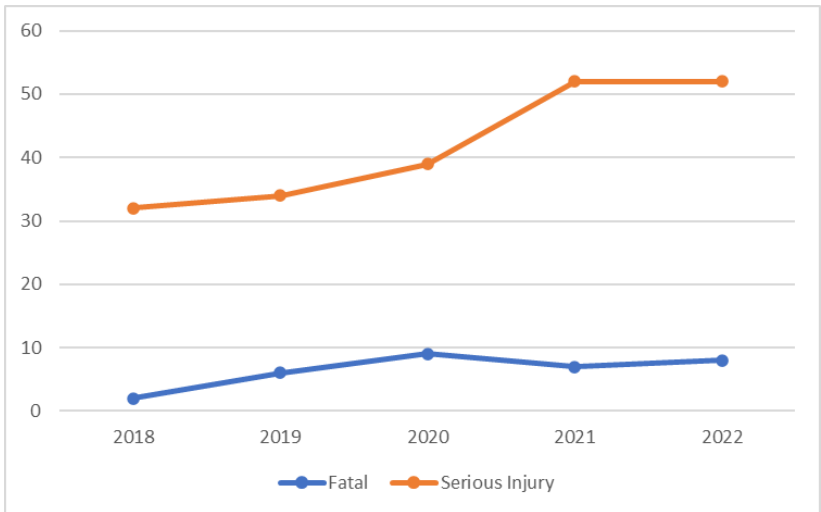


Total Crashes

* Dollar Threshold for Reportable Crashes Changed in 2020



Manner of Crash

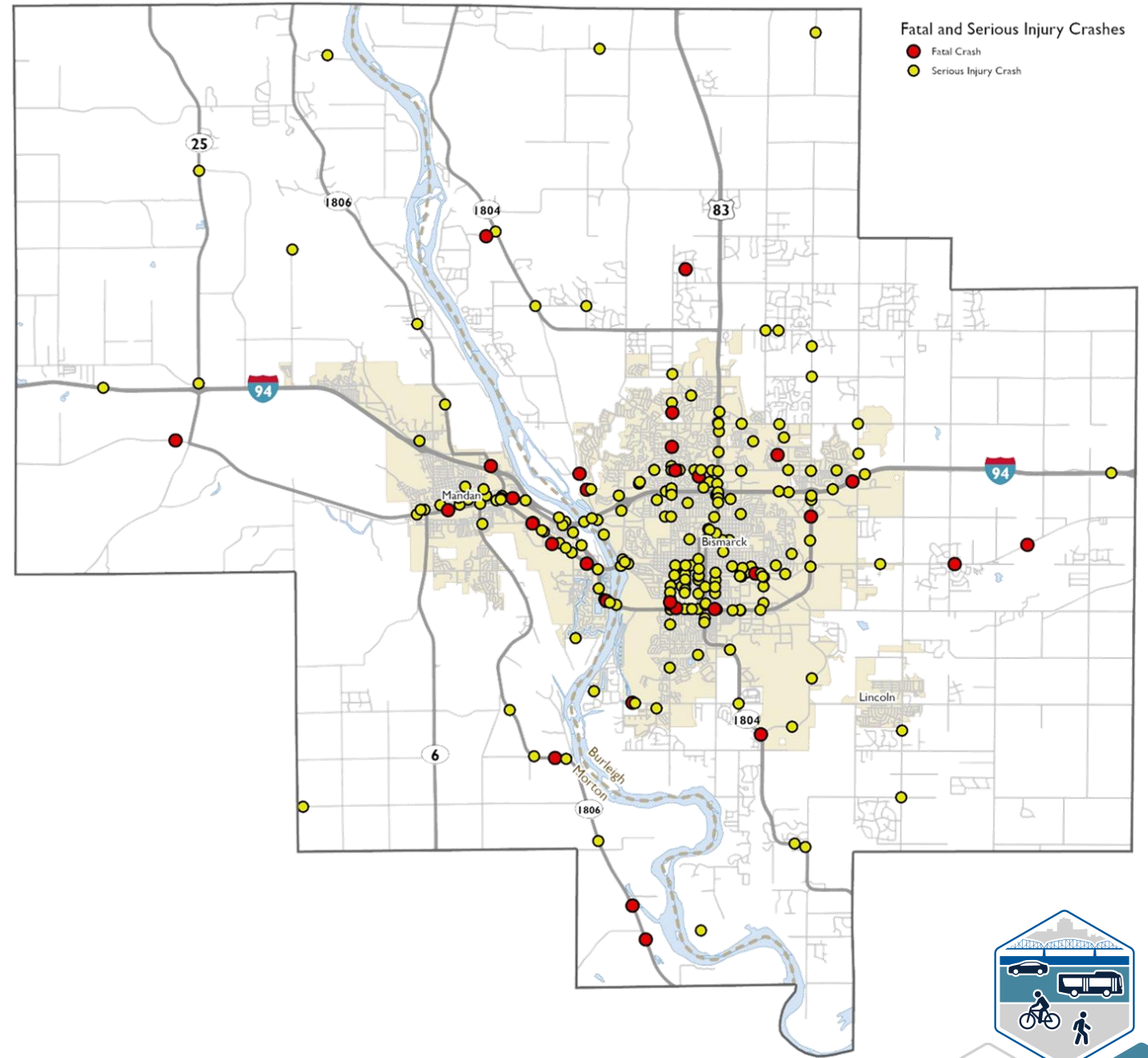


Fatal and Serious Crashes



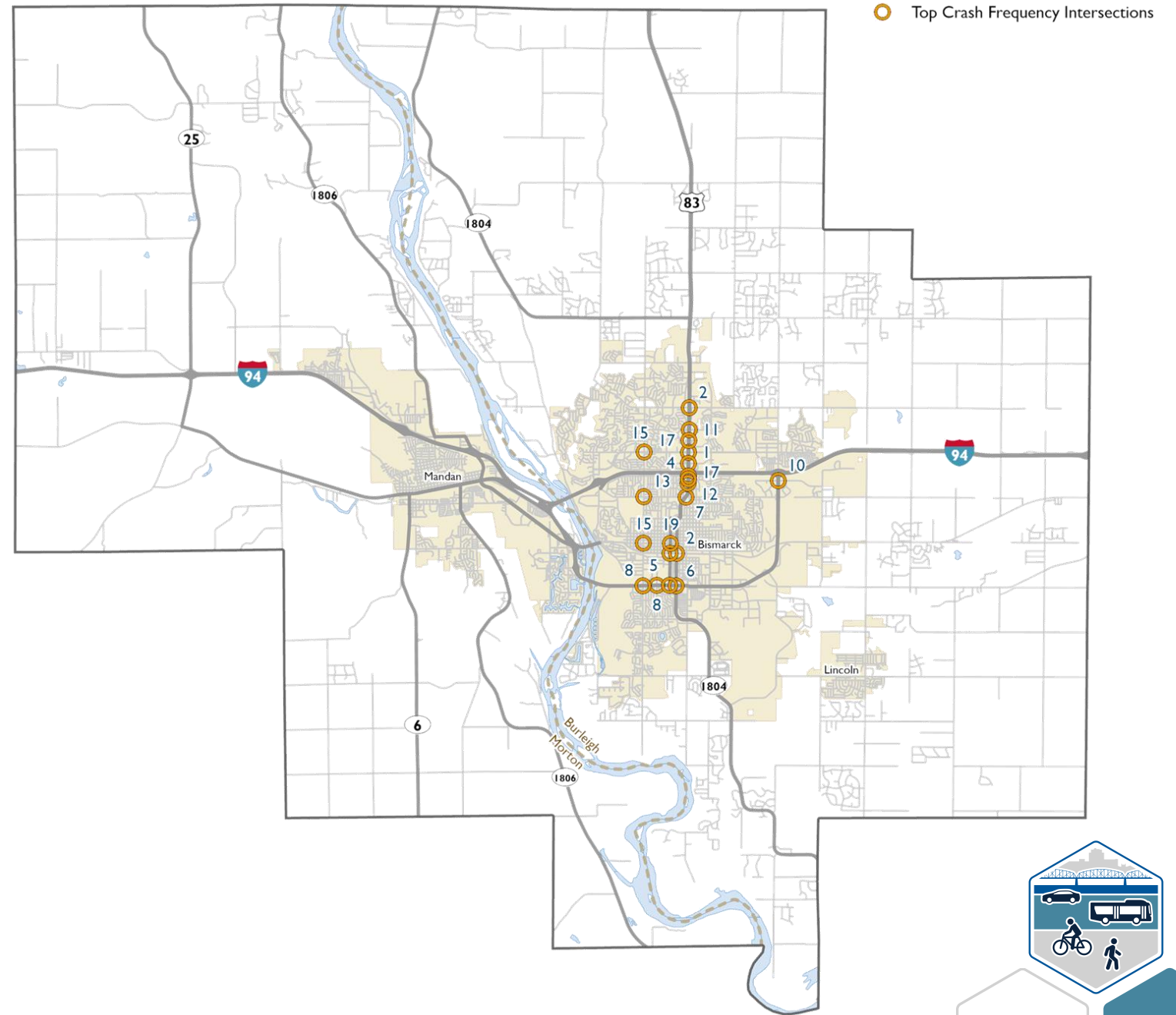
Crash Locations, 2018-2022

Serious and Fatal Crashes



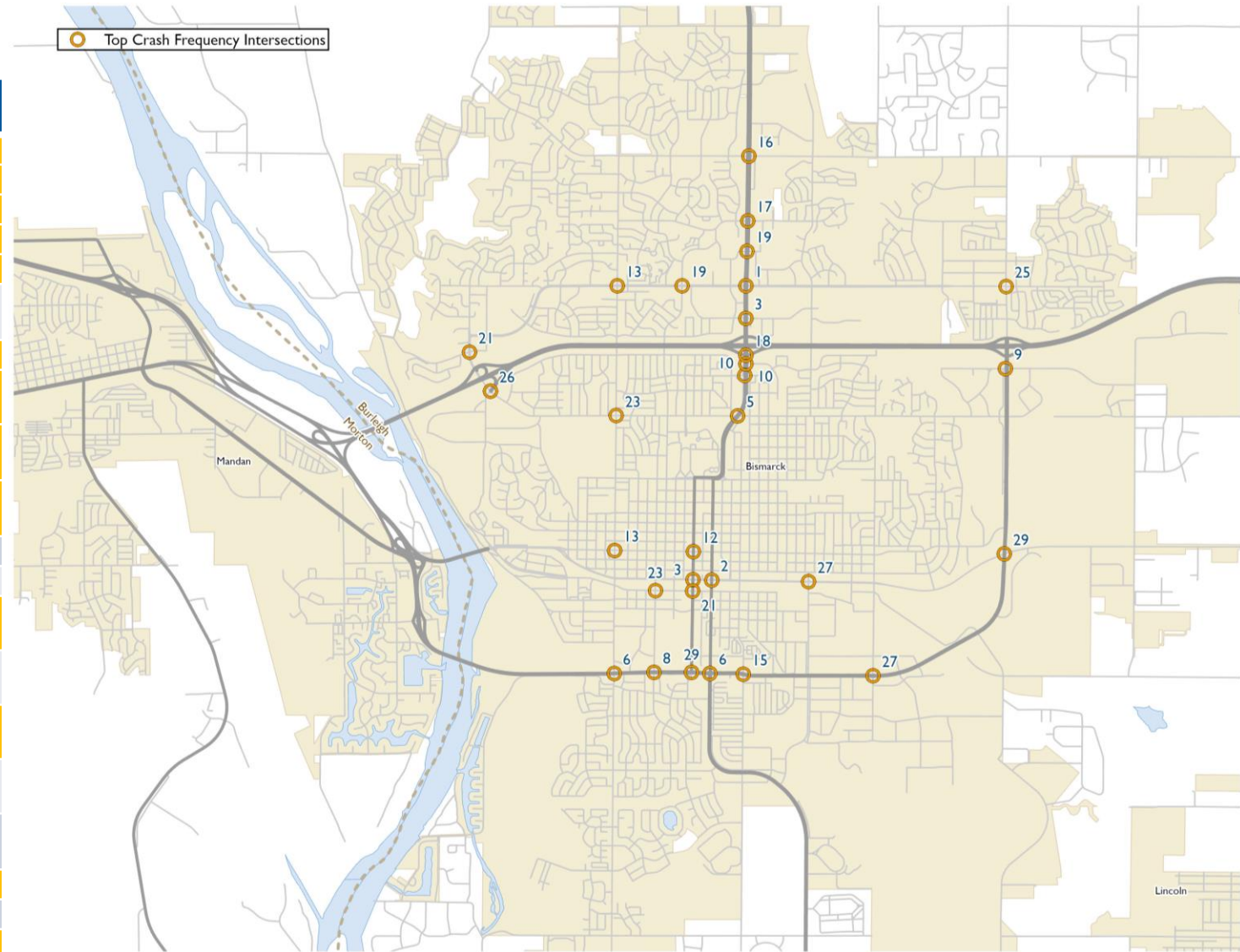
Crash Frequency, 2018-2022

Updated Top Intersections with Rank



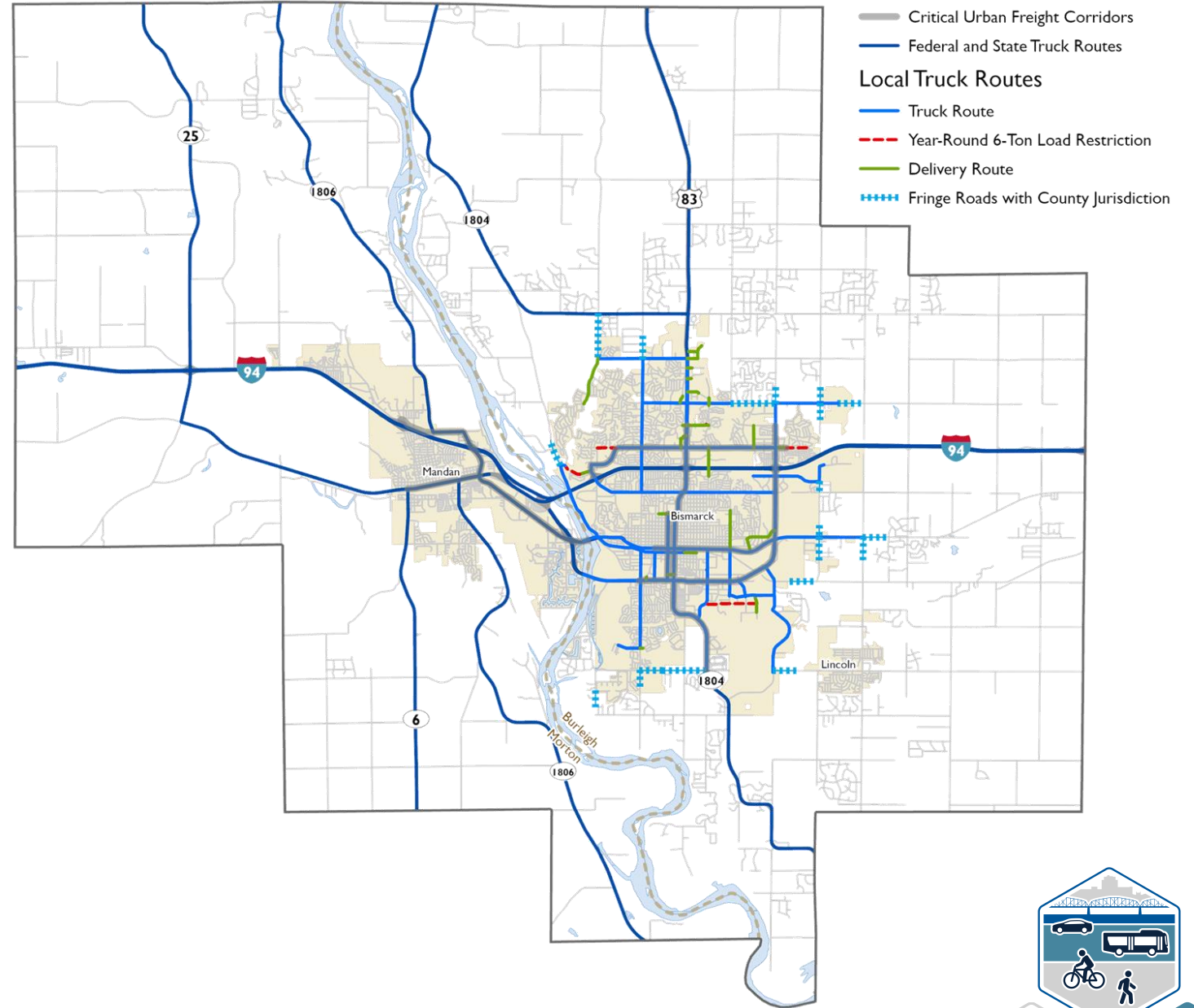
Crash Frequency, 2018-2022

Rank	Intersection	Crash Frequency	Entering Volume	Crash Rate
1	State Street & Century Avenue	174	50,000	1.91
2	Main Avenue & 9th Street	136	23,000	3.20
2	State Street & 43rd Avenue N	136	35,000	2.11
4	State Street & Interstate Avenue	131	42,000	1.69
5	Main Avenue & 7th Street	115	24,000	2.64
6	Bismarck Expressway & 9th Street / University Drive	114	33,000	1.89
7	State Street & Divide Avenue	105	35,000	1.66
8	Bismarck Expressway & 3rd Street	103	33,000	1.71
8	Bismarck Expressway & Washington Street	103	39,000	1.46
10	Bismarck Expressway & Miriam Avenue	100	29,000	1.87
11	State Street & Calgary Avenue	86	38,000	1.25
12	State Street & Capitol Avenue	82	32,000	1.39
13	Washington Street & Divide Avenue	80	22,000	2.00
14	Bismarck Expressway & 7th Street	77	23,000	1.84
15	Washington Street & Rosser Avenue	74	21,000	1.91
15	Century Avenue & Washington Street	74	26,000	1.55
17	State Street & Weiss Avenue / Harvest Lane	72	39,000	1.02
17	State Street & I-94 EB Ramps	72	41,000	0.96
19	7th Street & Rosser Avenue	70	20,000	1.90
19	State Street & Interchange Avenue	70	33,000	1.15



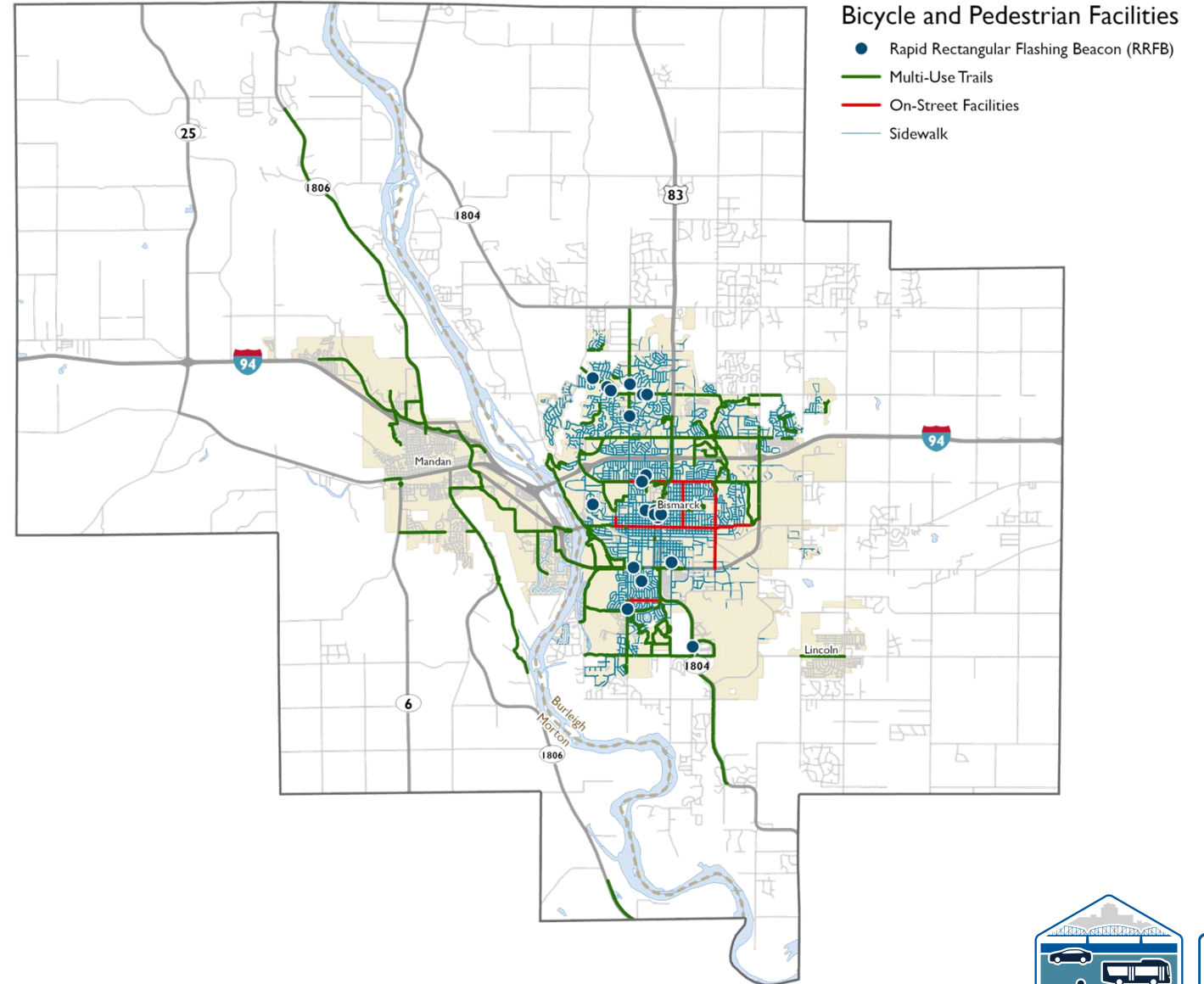
Freight Summary

Updated Truck Routes

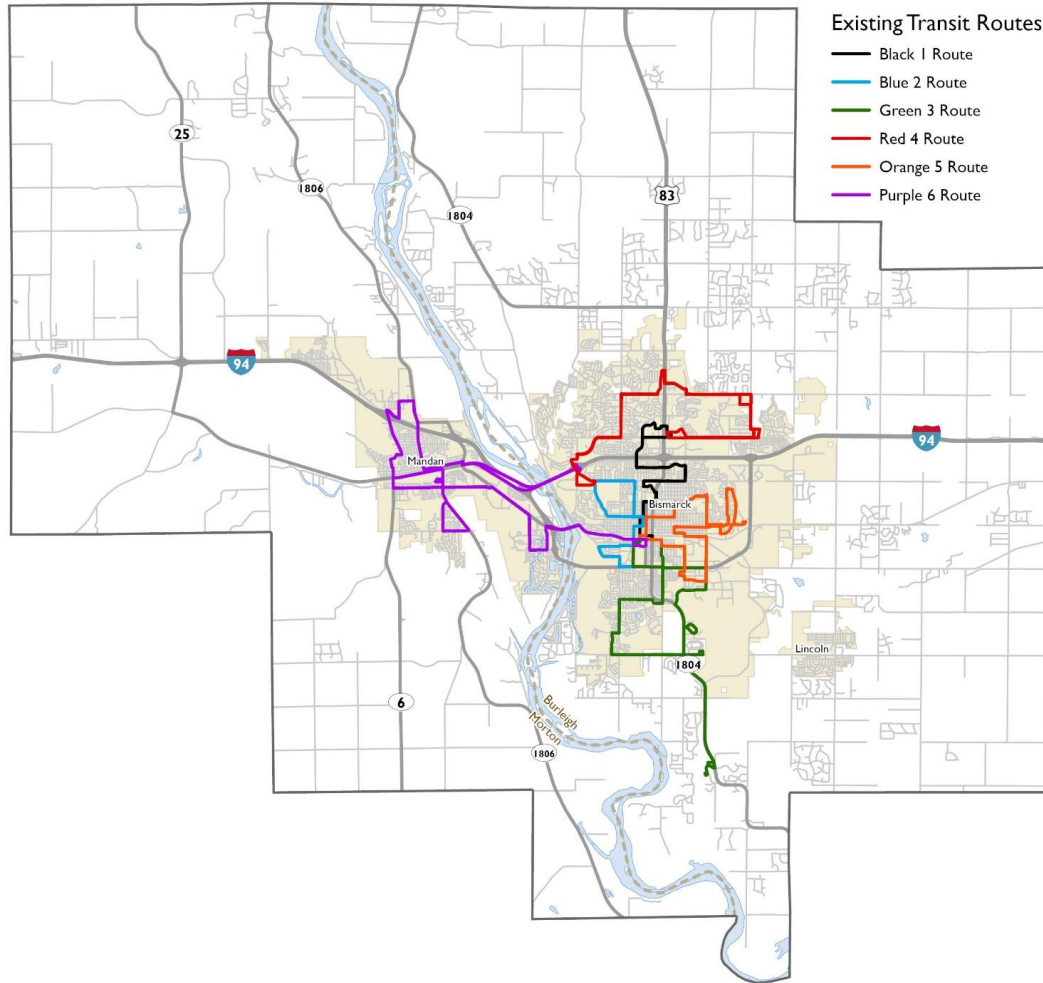


Bicycle and Pedestrian System

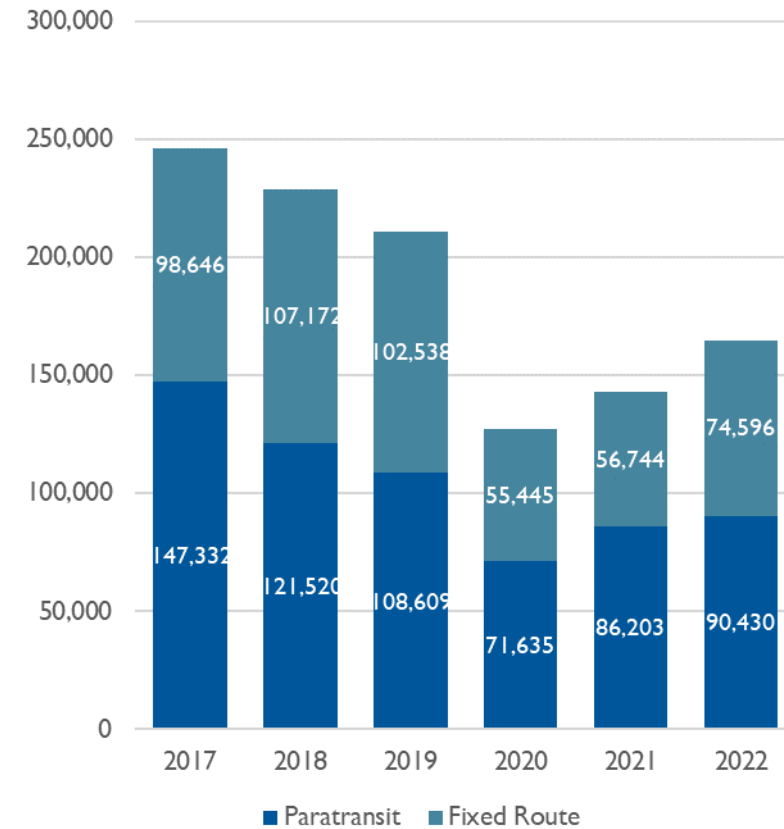
Trails and
On-Street Facilities



Transit System



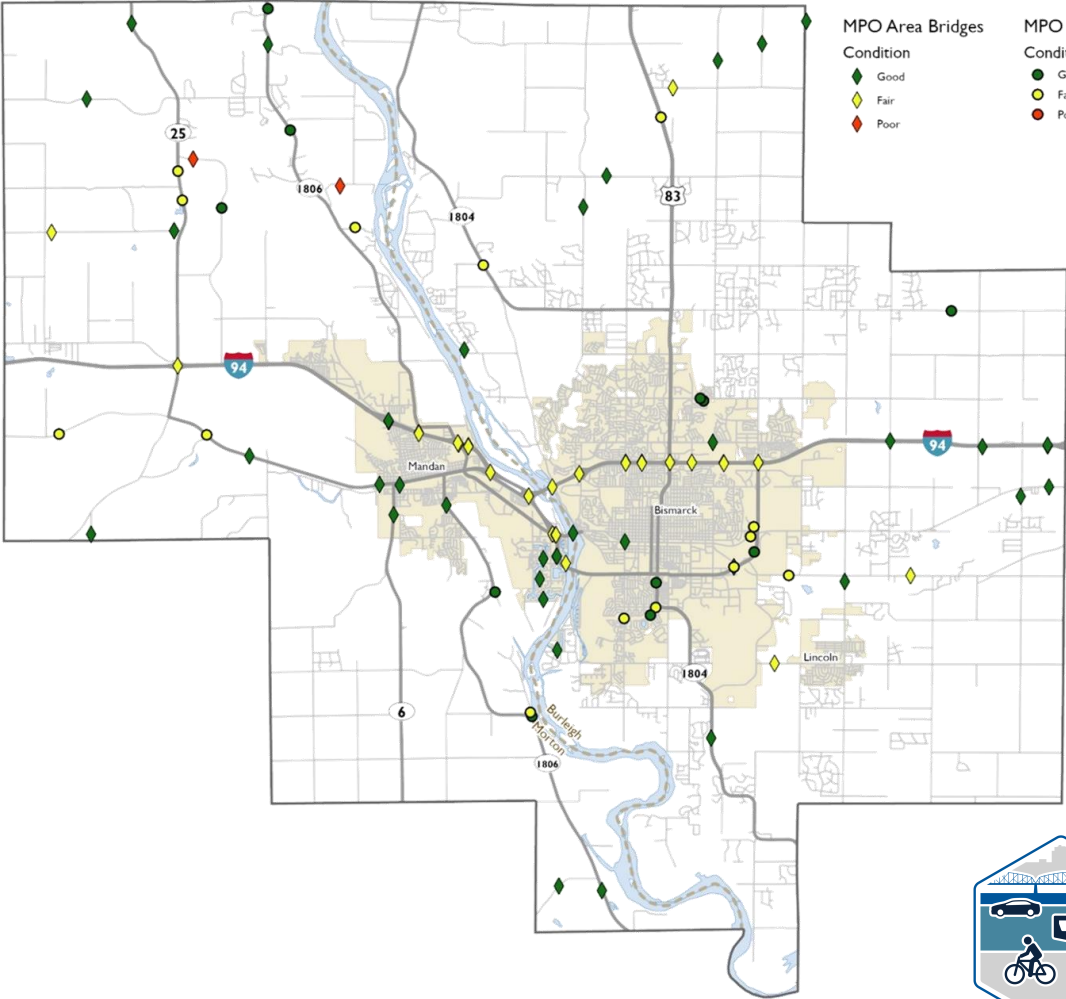
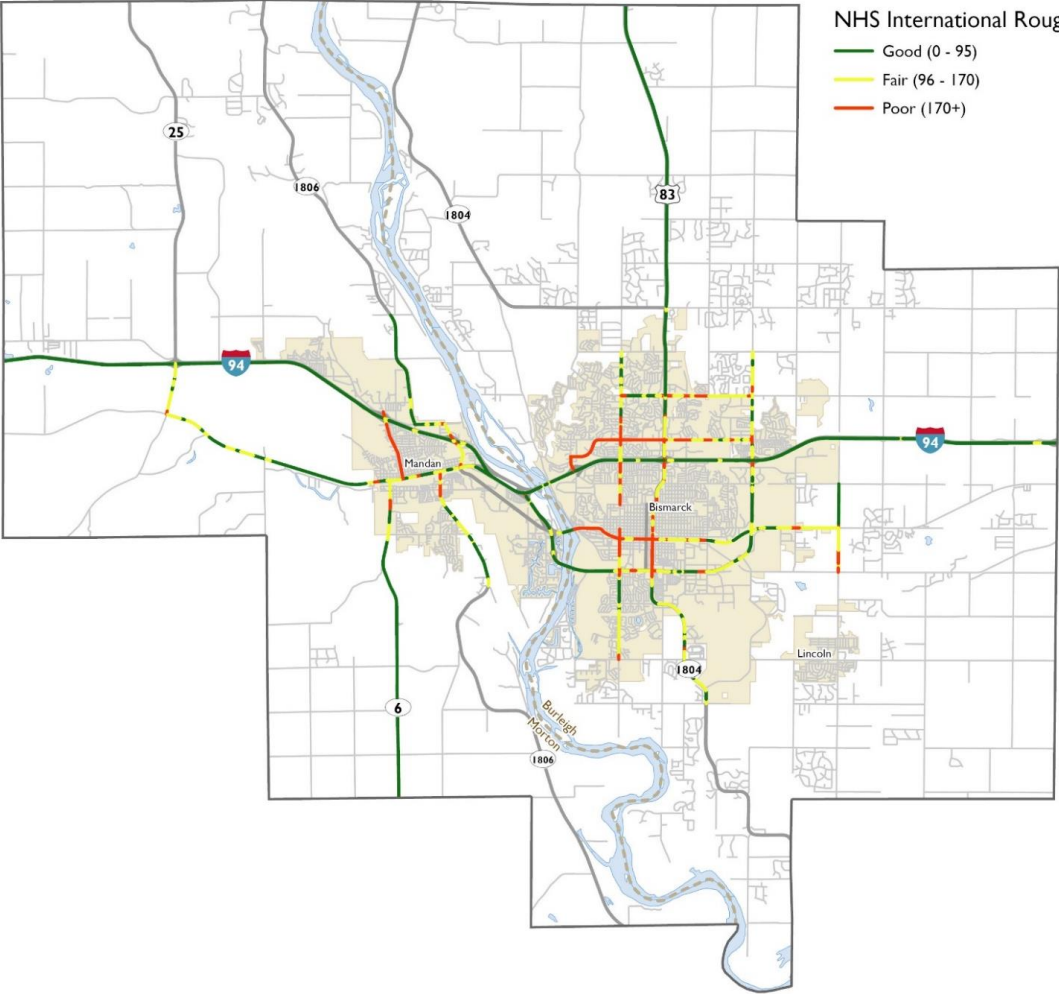
Current Fixed Routes



Riders by Service Type



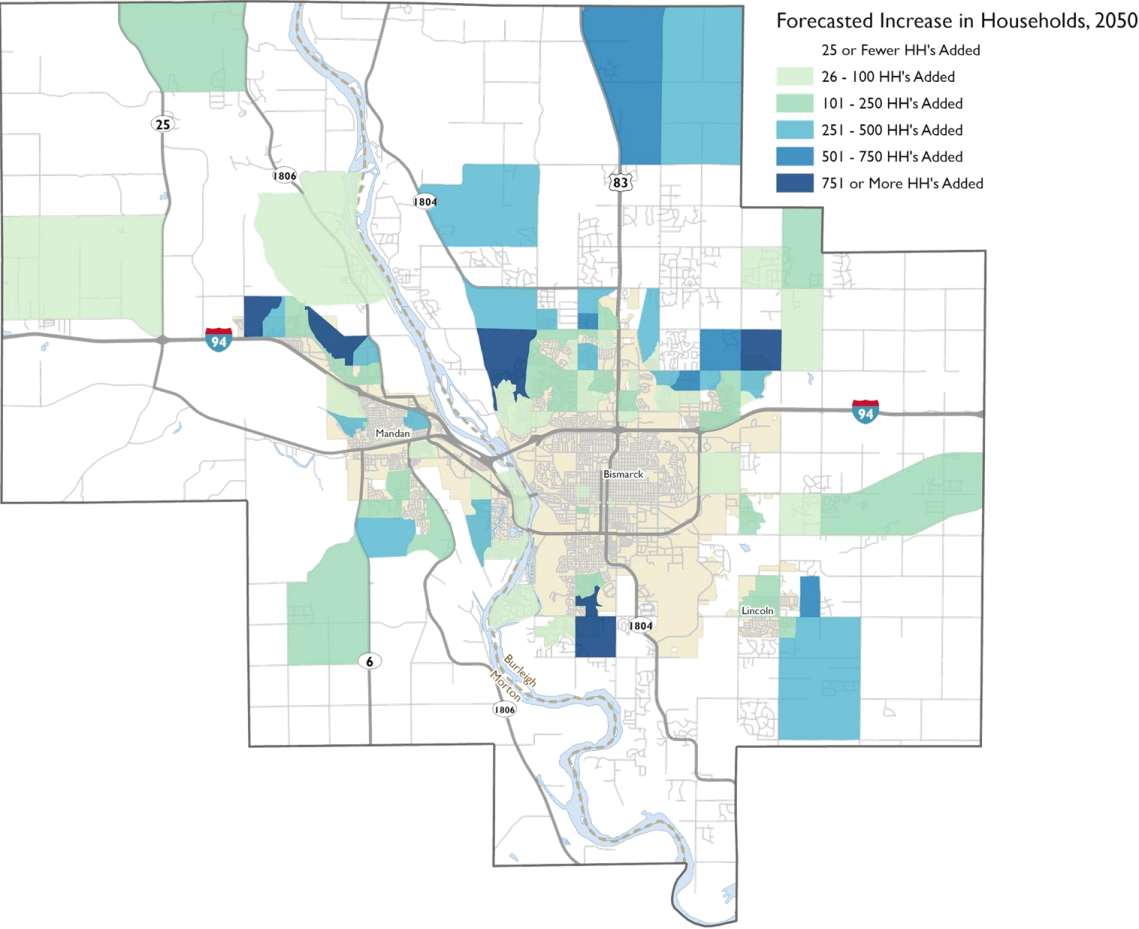
Pavement and Bridge Condition



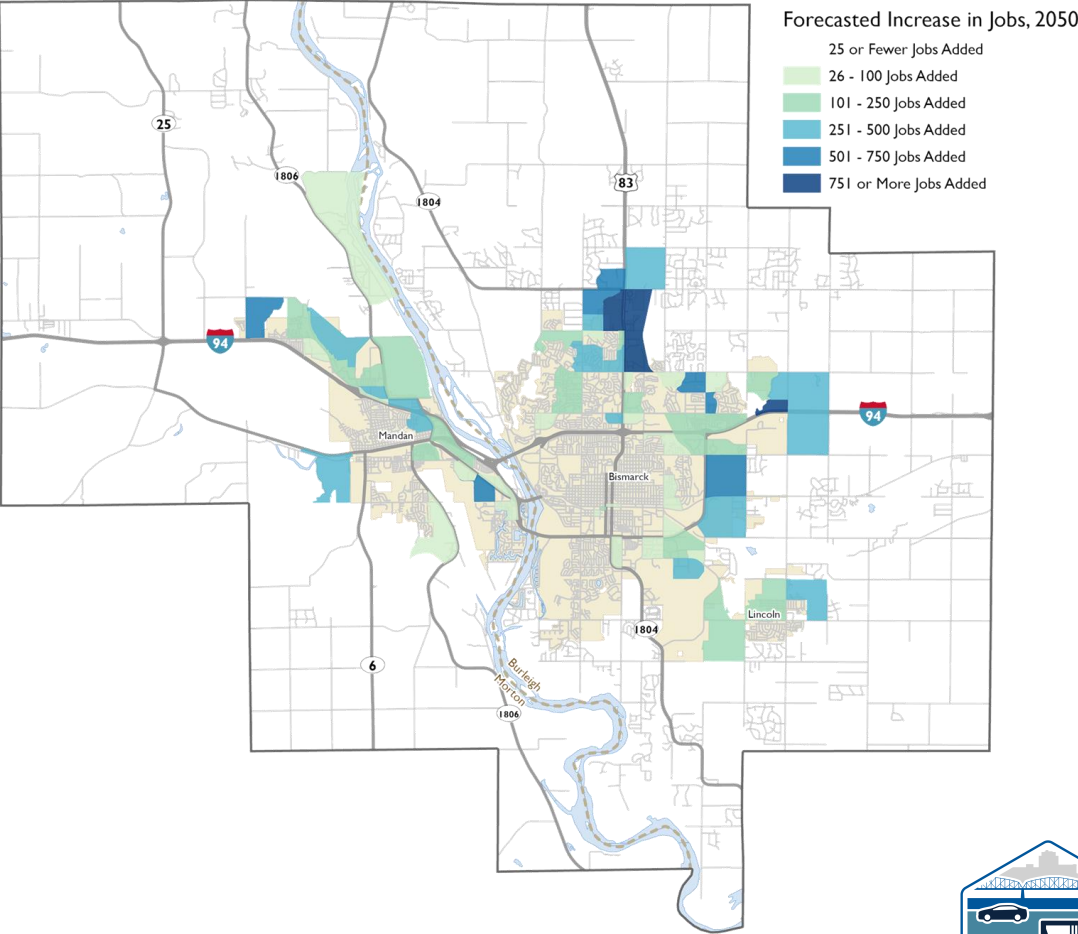
Future Growth



Forecasted Household and Employment Growth



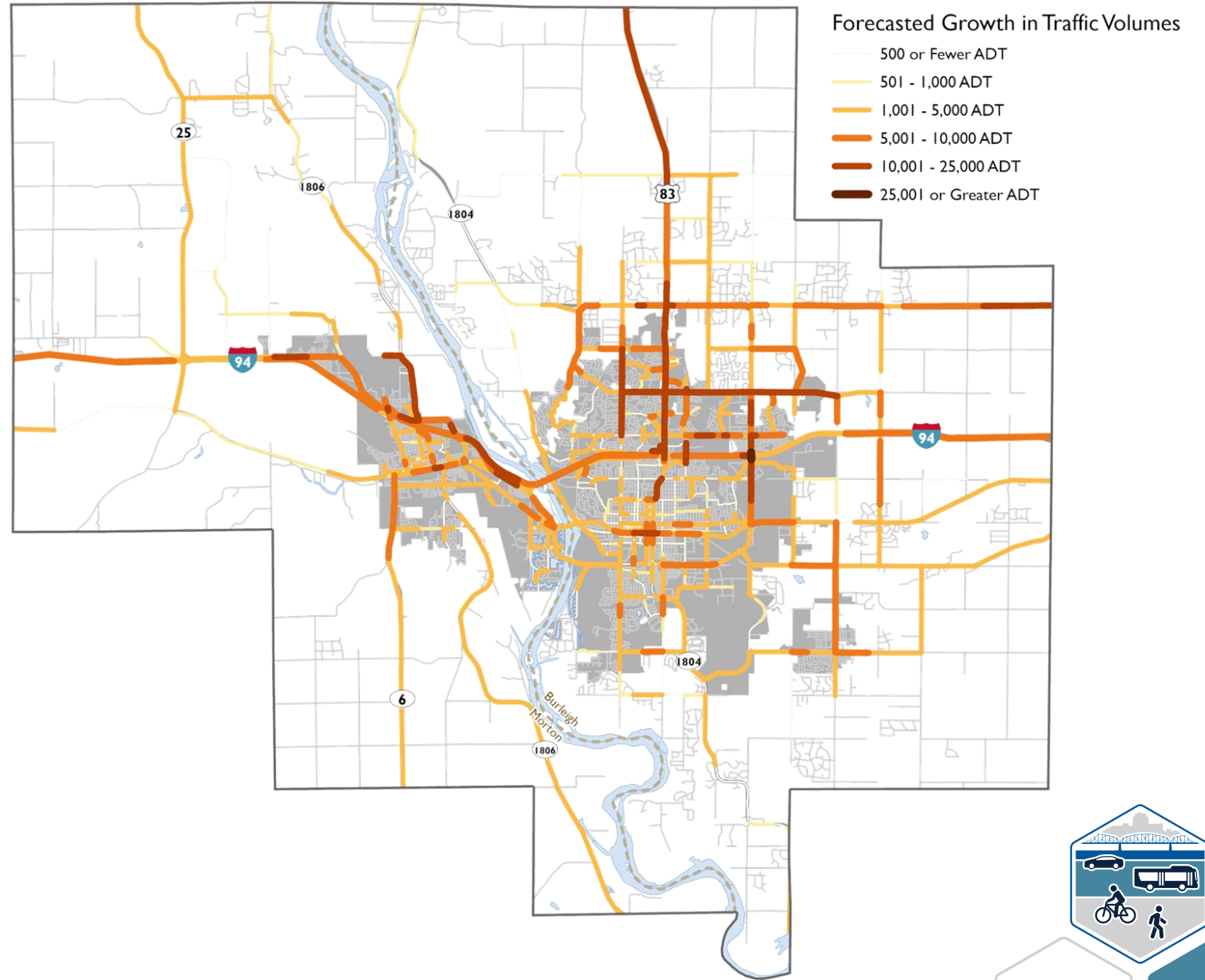
Forecasted growth in households



Forecasted growth in jobs



Forecasted Growth in Traffic Volumes



Thank You!

