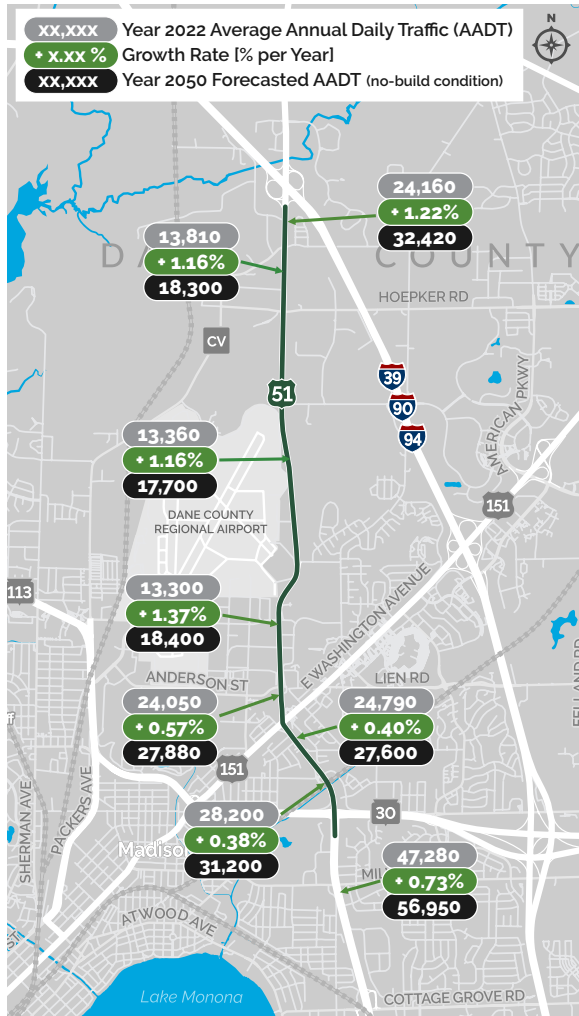


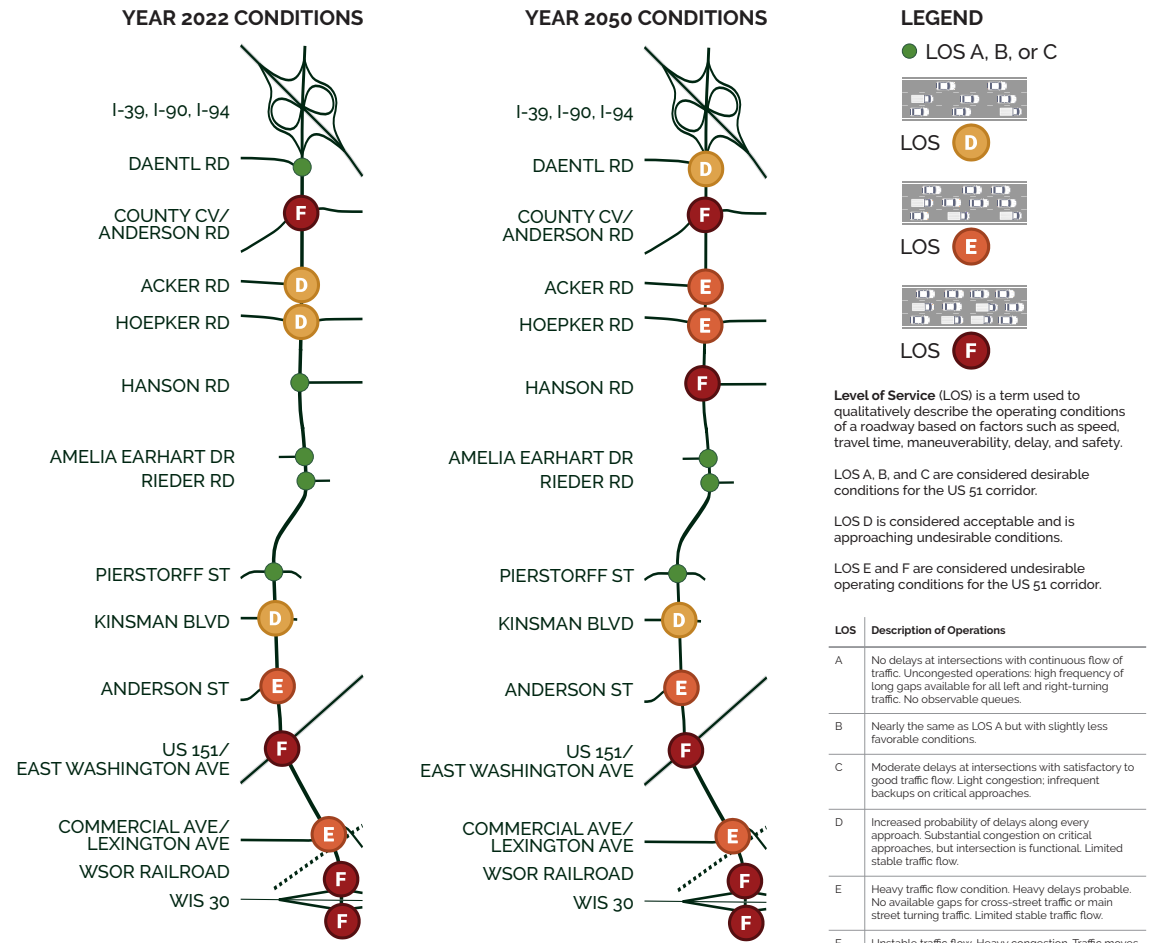
Study Needs: Traffic

TRAFFIC VOLUMES



Average annual daily traffic (AADT) in vehicles per day.

INTERSECTION OPERATIONS



LEGEND

- LOS A, B, or C
- LOS D
- LOS E
- LOS F

Level of Service (LOS) is a term used to qualitatively describe the operating conditions of a roadway based on factors such as speed, travel time, maneuverability, delay, and safety.

LOS A, B, and C are considered desirable conditions for the US 51 corridor.

LOS D is considered acceptable and is approaching undesirable conditions.

LOS E and F are considered undesirable operating conditions for the US 51 corridor.

| LOS | Description of Operations |
|-----|---|
| A | No delays at intersections with continuous flow of traffic. Uncongested operations: high frequency of long gaps available for all left and right-turning traffic. No observable queues. |
| B | Nearly the same as LOS A but with slightly less favorable conditions. |
| C | Moderate delays at intersections with satisfactory to good traffic flow. Light congestion; infrequent backups on critical approaches. |
| D | Increased probability of delays along every approach. Substantial congestion on critical approaches, but intersection is functional. Limited stable traffic flow. |
| E | Heavy traffic flow condition. Heavy delays probable. No available gaps for cross-street traffic or main street turning traffic. Limited stable traffic flow. |
| F | Unstable traffic flow. Heavy congestion. Traffic moves in forced flow condition. Total breakdown. |

Traffic operations analysis for the existing conditions year 2022 (left), and future year 2050 conditions (right) for the worst peak hour intersection movement