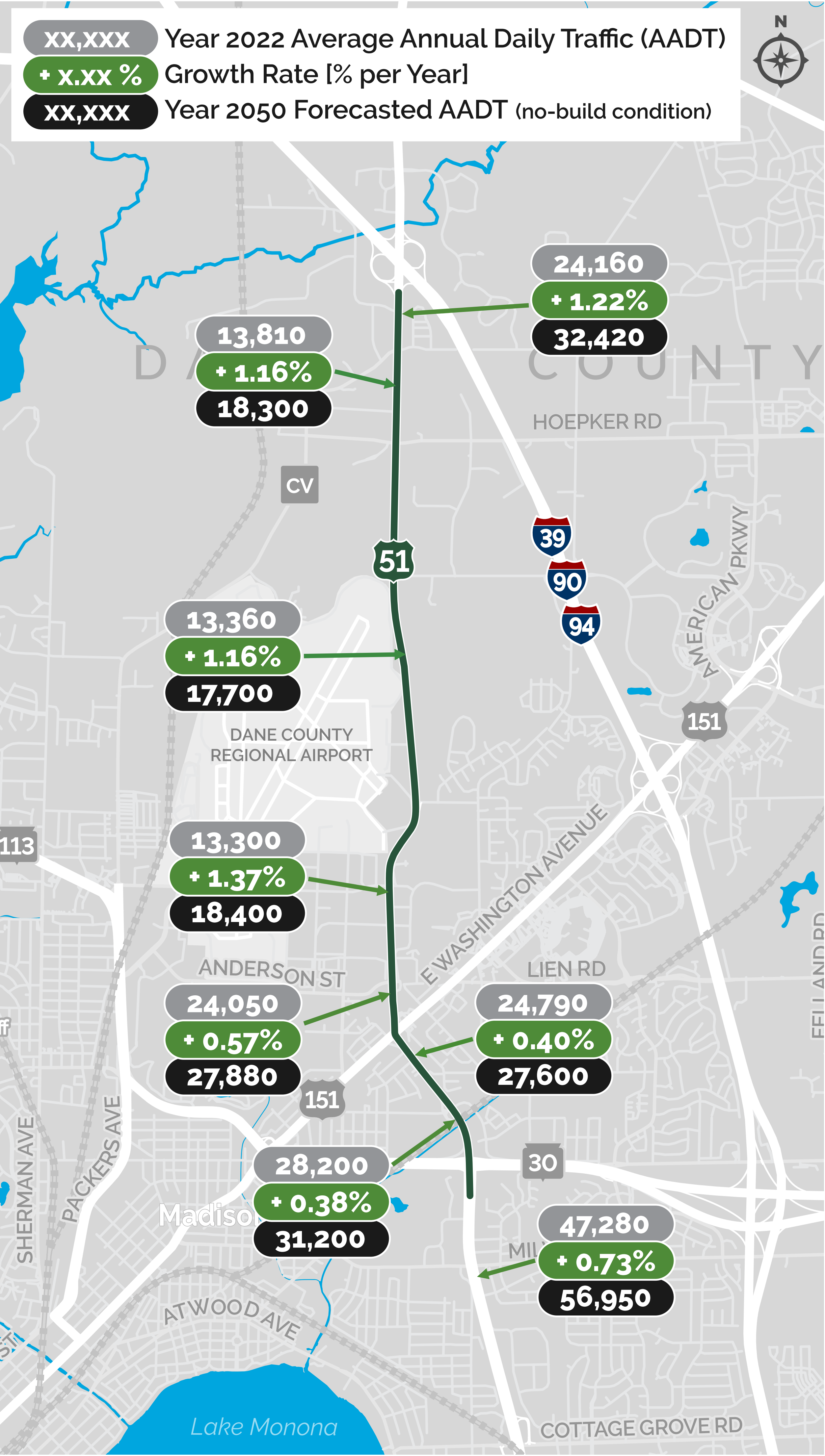


# Study Needs: Traffic

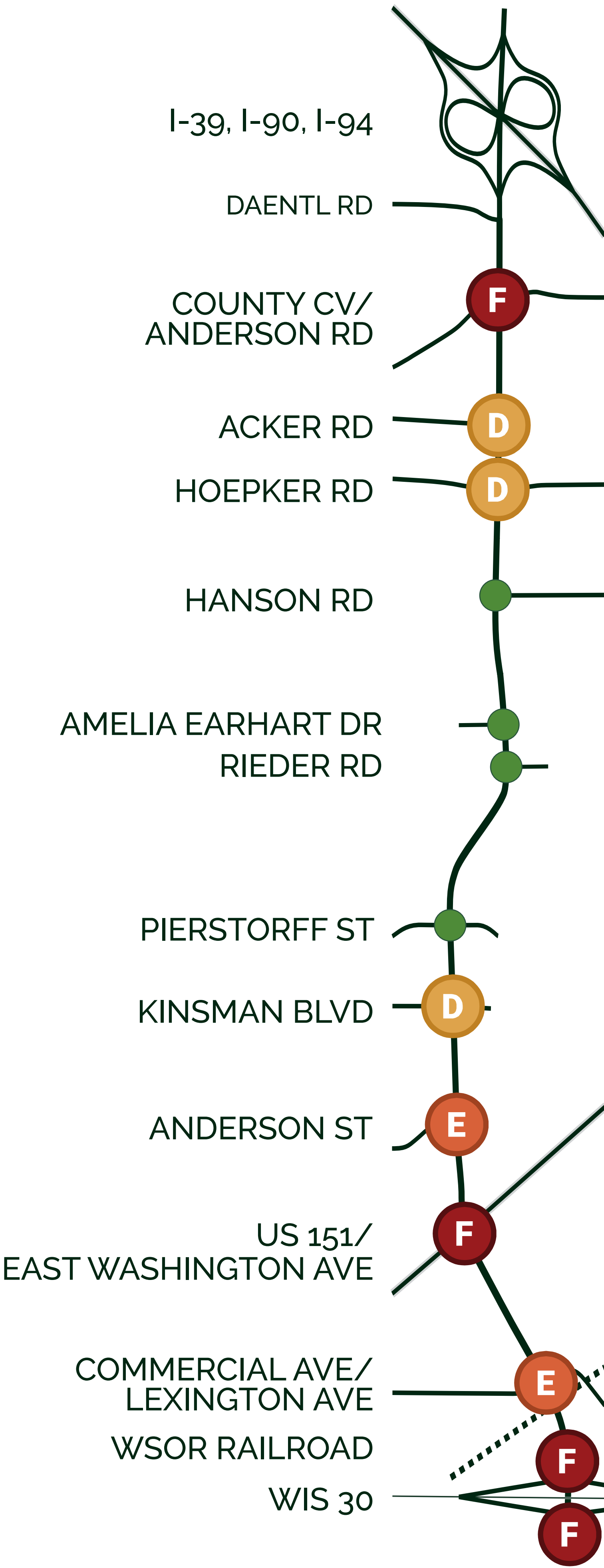
## TRAFFIC VOLUMES



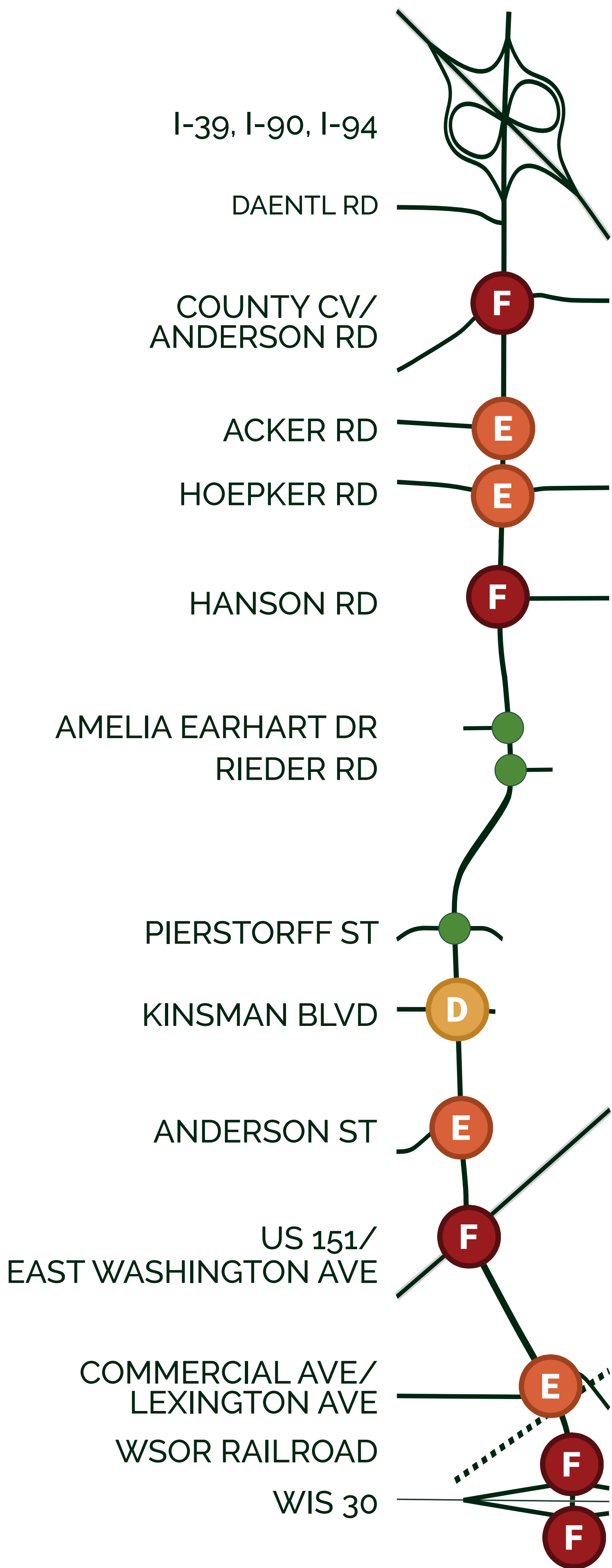
Average annual daily traffic (AADT) in vehicles per day.

## INTERSECTION OPERATIONS

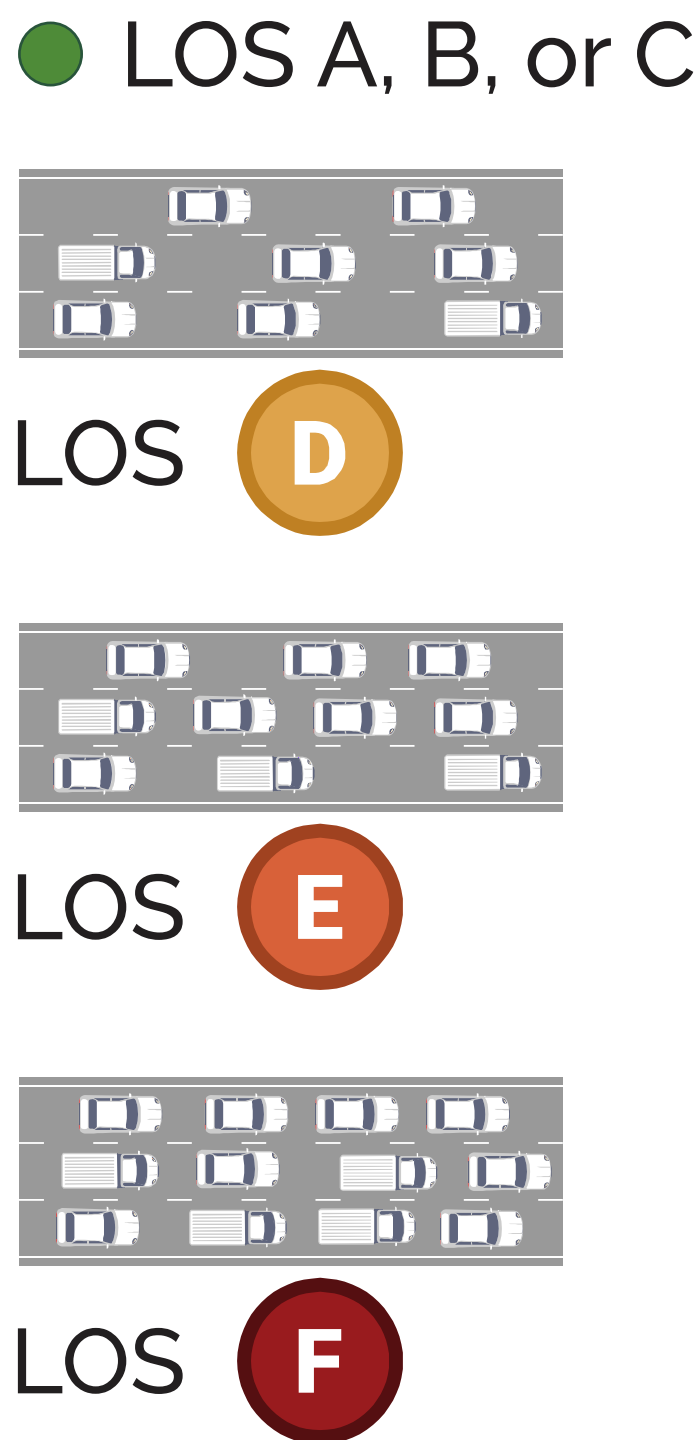
### YEAR 2022 CONDITIONS



### YEAR 2050 CONDITIONS



### LEGEND



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