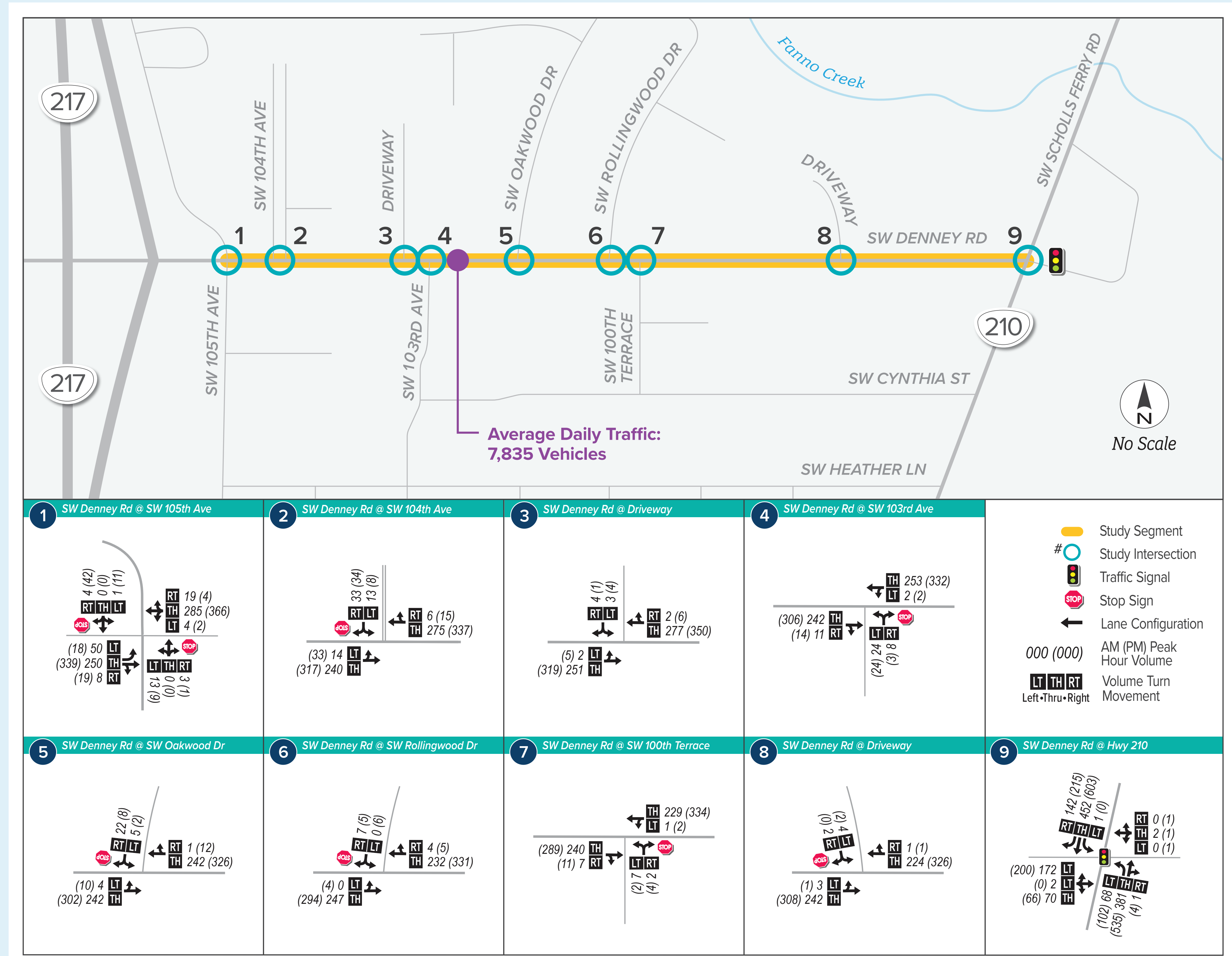


Existing Conditions

Traffic Characteristics

- Two-lane, two-way roadway between SW 105th Avenue and SW Scholls Ferry Road
- Average daily traffic volume of 7,835 vehicles
- Posted speed of 30 MPH
- 85th percentile speed of 35 MPH
- Traffic operations at all intersections along the corridor meet City of Beaverton operational standards under existing conditions
- Crash rates along Denney Road over the last five years are lower than statewide average crash rates for similar facilities
 - The primary crash types recorded were rear-end and turning movement



Future 2045 Conditions

Traffic Characteristics

- Average daily traffic volume of 9,950 vehicles

Traffic Improvements Warranted

1. Eastbound left-turn lanes on SW Denney Road at SW 104th Avenue and SW Oakwood Drive

- Left-turn lane volume warrants are met under project build year (2025) and future year (2045) conditions.
- Left-turn lanes at unsignalized intersections can reduce crashes by removing left-turning vehicles from the through lane and providing drivers an exclusive lane to wait for an appropriate gap in traffic before turning.

2. Eastbound left-turn lane on SW Denney Road at SW Scholls Ferry Road

- Volume-to-capacity standards at SW Denney Road/SW Scholls Ferry Road are still met in 2045, however an eastbound left-turn lane would reduce the 2045 queue from 375 feet to 250 feet (difference of four to five vehicles), reducing spillback across several driveways.

Other Improvements Considered

- Pedestrian crossing enhancements are not warranted at this time based on existing pedestrian crossing volumes. However, a marked crosswalk and/or enhanced pedestrian crossing may still be considered to improve pedestrian safety.
- Based on the analysis, a center-turn lane with median islands is not needed along the entire corridor, however it may be considered to reduce speeds, improve aesthetics, improve driver safety, and improve pedestrian safety by creating refuge areas.

