

Summary - Tech Memo #2

Transportation Methodology and Assumptions

Tech Memo #2 describes the data, methodology, and assumptions that will be used to analyze transportation conditions in the OR 62 Corridor Plan study area. These methods establish how the project team will evaluate traffic, safety, and multimodal travel today and in the future.

Key Takeaways

- **Study Area Definition:** The analysis will focus on the stretch of OR 62 between the Rogue Valley Expressway and Dutton Road, including five key intersections under state jurisdiction. This area may be adjusted to reflect emerging priorities and findings.
- **Traffic Data Collection and Volume Forecast:** Turning movement counts were collected at study intersections in April 2025, capturing vehicles, heavy trucks, pedestrians, and bicyclists. Seasonal adjustments are applied to reflect variable travel patterns.

Traffic volumes will be projected to the year 2045 using the Rogue Valley Metropolitan Planning Organization's travel demand model, combined with engineering judgment, understanding of the study area and anticipated growth.

- **Traffic Analysis:** Intersection performance will be evaluated for existing and 2045 conditions under "no-build" and "build" scenarios. Analyses will use ODOT mobility targets and Highway Design Manual standards, with industry-standard tools.
- **Safety Analysis:** Crash data from 2019–2023 will be reviewed to identify crash patterns, compare intersection crash rates with statewide rates, and identify locations for potential improvements.
- **Multimodal Analysis:** The plan will evaluate conditions for people walking, biking, rolling, and taking transit on OR 62 and connecting roads. Methods include Level of Traffic Stress (LTS) ratings and statewide pedestrian/bicycle safety risk assessment factors to identify opportunities for safer, multimodal travel with less traffic stress.