

## APM APPENDIX 6C

# SUPPLEMENTAL GUIDANCE ON CONNECTED AND AUTOMATED VEHICLE ANALYSES

### **Introduction**

This appendix provides supplemental guidance on considering the impacts of connected and automated vehicles (CAVs) in future-year planning analyses. It will be updated regularly to address current research on CAVs, acknowledging how rapidly future projections are changing. For further questions and specific direction, contact TPAU.

### **Recommendations as of May 2023**

As of May 2023, ODOT recommends the following:

- For planning studies with a horizon year of 2040 or earlier, CAV analyses should not be conducted.
- For planning studies with a horizon year between 2041 and 2045, the assumed CAV percentage for general traffic should not exceed 30%.
- Consider local conditions that might suggest a higher or lower percentage of CAVs than a national average.
- Review the most recent projections on CAV deployment from various researchers. Appendix 6B provides a sample of CAV adoption research in Exhibit 6B-2.
- Test at least two scenarios with different CAV percentages to determine whether the assumed CAV percentage makes a difference in the analysis conclusions.