

Memorandum

To: CHAIR AND COMMISSIONERS

CTC Meeting: May 14-15, 2026

From: TANISHA TAYLOR, Executive Director

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Subject: Innovations in Transportation: Autonomous Trucking - Lessons Learned for Safety and Supply Chain Efficiency

Summary:

Mufaddal Ezzy, Senior Director of Public Affairs and State & Local Government Relations at Aurora, will provide an overview of autonomous freight deployment in California, highlighting the current regulatory landscape, and key lessons learned from Aurora's early commercial deployments in other states. This presentation will focus on outcomes related to safety, supply chain efficiency, and potential impacts on emissions and operating costs.

Background:

Autonomous trucking refers to trucks equipped with automated driving systems that can perform driving tasks with limited or no human input. In California, deployment remains in a developmental stage, with testing and regulatory frameworks evolving under state oversight by [the California Department of Motor Vehicles \(DMV\)](#) and California Highway Patrol.

With DMV regulations for light and heavy-duty autonomous vehicles anticipated to be adopted in May 2026, this presentation provides timely insights by highlighting lessons learned from early deployments in other states to help inform implementation in California. Companies such as [Aurora](#) have conducted pilot and early commercial operations. These experiences highlight both opportunities, such as enhanced roadway safety, improved supply chain reliability, and reduced operating costs, as well as challenges related to regulatory alignment, public acceptance, infrastructure readiness, and integration with existing freight systems.