

HB 4063 -6 STAFF MEASURE SUMMARY

House Committee On Transportation Policy

Prepared By: Patrick Brennan, LPRO Analyst

Meeting Dates: 2/12, 2/14

WHAT THE MEASURE DOES:

Permits operation of autonomous vehicle on Oregon highways under certain circumstances. Directs owners of commercial autonomous vehicles to obtain additional motor vehicle liability insurance coverage. Directs the Oregon Department of Transportation to adopt rules for the operation of autonomous vehicles on the state's highways. Takes effect on 91st day following adjournment sine die.

ISSUES DISCUSSED:

- Role of Department of Transportation in addressing issues related to autonomous vehicles
- Impact of autonomous vehicles, ride-sharing, and transportation network companies
- Benefits of a task force with broad participation

EFFECT OF AMENDMENT:

-6 Replaces original measure. Creates the Task Force on Autonomous Vehicles, consisting of 26 members and supported by the Oregon Department of Transportation. Directs Task Force to submit report to Legislative Assembly on findings, including recommendations for legislation, by September 15, 2018 and September 15, 2019. Sunsets Task Force on January 2, 2021. Declares emergency, effective on passage.

FISCAL:

REVENUE:

BACKGROUND:

The terms "automated motor vehicle" and "autonomous motor vehicle" refer to motor vehicles that utilize sensors, computers and self-control systems to sense the surrounding road environment and other vehicles on the road and navigate with limited or no human input. There has been a rise in technology that allows vehicles to perform some driver tasks; features such as automatic transmission and cruise control have been around for decades.

Today there are six levels of vehicle automation: Level 0 refers to vehicles that have no automated control systems but which can issue warnings such as proximity to a road hazard; Level 1 includes features such as adaptive cruise control, parking assist with automated steering, and lane-keeping assistance; Level 2 involves the vehicle itself executing acceleration, braking and steering, where the driver is responsible for responding if automated systems fail to respond; Level 3 allows the driver to completely turn over vehicle operation within known, limited environments, again with responsibility for taking control as needed; Level 4 involves a vehicle capable of autonomous operation in all but extenuating circumstances, such as severe weather; and Level 5 requires no human attention or intervention other than setting destination and engaging the system.

A number of vehicle manufacturers are developing and testing automated motor vehicles, and several jurisdictions

are allowing for their operation on public roads. In addition, ride share companies such as Uber and Lyft are in the process of developing fleets of self-driving, autonomous vehicles that would be available for use by ride share customers.

PRELIMINARY