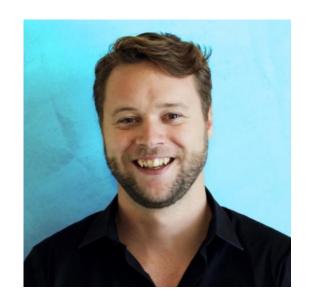
The Case For, and Future of, Autonomous Vehicles



Robert Singleton
Senior Director of Policy
and Public Affairs, US West
Chamber of Progress







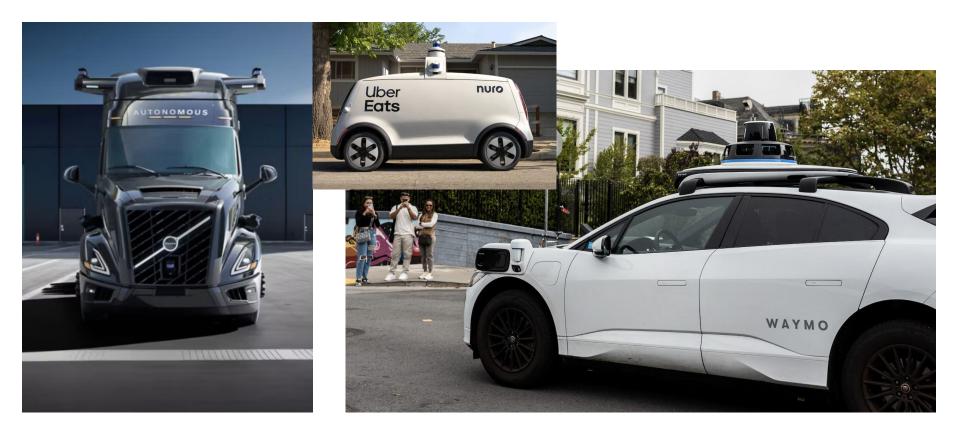
Overview

- Why AVs?
 - Use Cases
 - Ride hailing
 - Trucking
 - Purpose Built
 - Safety
 - Efficiency and Sustainability
- Economic Growth and New Jobs
- Policy and Planning Considerations
 - Scale
 - Equity
 - Reimagining the Urban Landscape





Why Autonomous Vehicles?





- Per NHTSA, there were over 40,000 roadway deaths in 2024, mostly from human error.
 - Nearly 30% are due to drunk driving, entirely preventable with AVs.

For the duration of this meeting (one hour),
 <u>5 people will die</u> in motor-vehicle crashes in the U.S.





As of June 2025 with over 96 million miles driven.

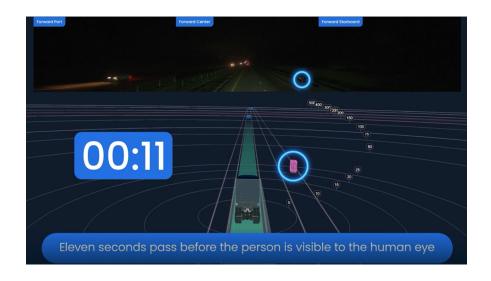


The reaction time of an AV can range from **milliseconds to a second**, significantly faster than a human's average of 2.3 seconds.

Of only 45 NHTSA-reported Waymo crashes between mid-February and mid-August, an independent analysis found 41 (90%) due to human fault.



AV trucks can detect a pedestrian running across a highway and recognize one over 300 meters away at night, **11 seconds before visible to the naked eye**.







Motor-vehicle crashes cost the U.S. **over** \$340 billion annually in direct economic losses each year, with over \$1.8+ trillion in total societal harm when you factor in medical care, lost productivity, and quality-of-life impacts.

That's nearly **2% of U.S. GDP** tied up in preventable crashes.

From 2019 NHTSA data with fewer fatalities than in 2024.

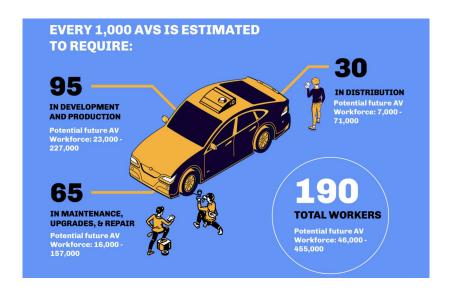


- For every 1,000 AVs produced and deployed annually, approximately 190 workers will be needed for manufacturing and servicing these vehicles.
- In a moderate economic model, deployment of 9 million autonomous vehicles over the next 15 years will create 114,000 jobs.
- In an optimistic model, deployment of 36 million AVs deployed over the next 15 years will create 455,000 jobs.
- AV industry jobs typically pay above U.S. median wage. Analysis shows that 82% of AV workers make more than the US median wage.
- AVs can support the resiliency of the US auto industry where it is strong today and create new centers for AV-related jobs in places with strong tech sectors.



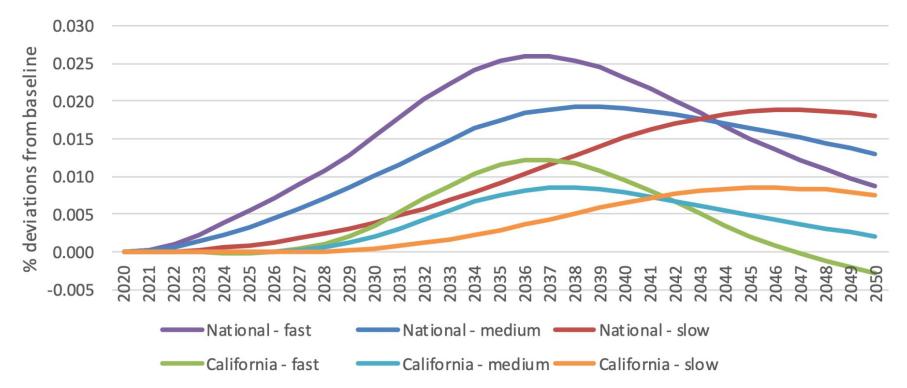














Hubs and Spokes - Physical and Political Infrastructure

Phoenix, AZ (Waymo × City/Sky Harbor)

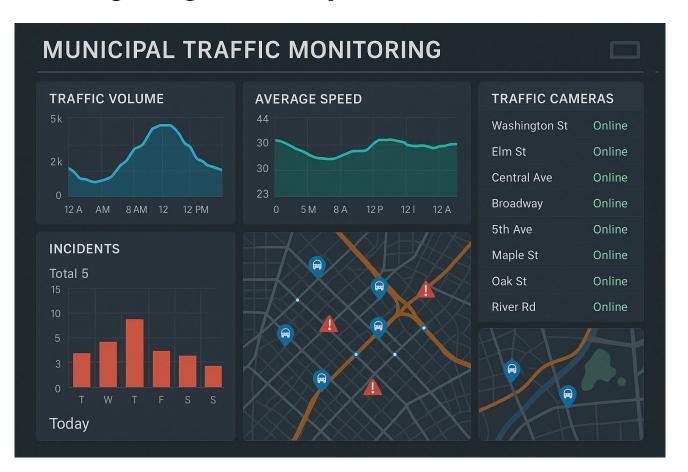
- 24/7 curbside robotaxi pickups at PHX airport (Terminals 3 & 4).
- First major airport with round-the-clock AV service.
- Los Angeles, CA (Waymo × Transit Partners)
 - \$3 transit credits for AV trips to/from select rail & bus stops (incl. LAX feeders).
 - Promotes first/last-mile connections instead of competing with transit.
- Chandler, AZ (Waymo × Via/Chandler Flex)
 - Launched on September 18
 - Waymo AVs join Chandler Flex microtransit.
 - Riders may be matched with a Waymo during peak demand and book via the Waymo app.
 - First direct integration of Waymo AVs into a U.S. public transit network.







Reimagining Urban Spaces



Thank You!



Robert Singleton
Senior Director of Policy and
Public Affairs, US West
Chamber of Progress
707.5694546
robert@progresschamber.org



