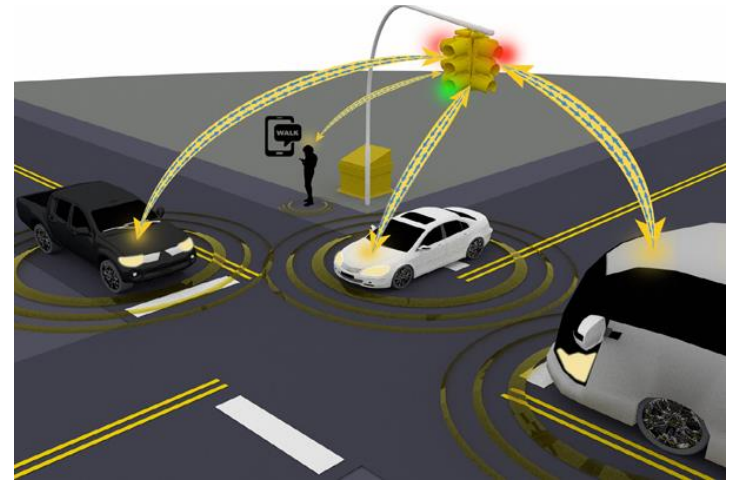


# TRB CV & AV Research

- ~\$10M invested has been invested in AV/CV research by the NCHRP, TCRP, ACRP, and BTSCR
- Much of this is under the NCHRP 20-102 umbrella project
- Results are available from the initial projects and more are coming

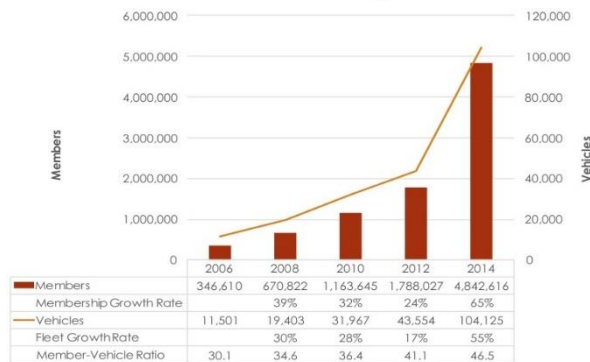


Source: [www.its.dot.gov](http://www.its.dot.gov)

# Advancing Automated and Connected Vehicles: Policy and Planning Actions for State and Local Transportation Agencies [NCHRP Report 845]

- Briefing document for decision-makers to help them assess how policies could align AV and CV technologies with public policy interests, even amid high uncertainty
- Potential outcomes are presented in the areas of traffic crashes, congestion, pollution, land development, and mobility for the underserved
- 18 policy and planning strategies are described that could reduce negative impacts and increase positive ones
- Report provides a fuller assessment of the basis and strategies

Global Carsharing Trends



Shaheen and Cohen, 2015  
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# Effects on Transit

- Shared Mobility and the Transformation of Public Transit [TCRP Report 188]
- Broadening Understanding of the Interplay Between Public Transit, Shared Mobility, and Personal Automobiles [TCRP Report 195]
- Private Transit: Existing Services and Emerging Directions [TCRP Report 196]



Source: TRB Staff

# PREVUES OF COMING ATTRACTIONS

- **Road Markings for Machine Vision**
- **Dedicating Lanes for Priority or Exclusive Use by CVs and AVs**
- **Implications of Automation for Motor Vehicle Codes**
- **Providing Support to the Introduction of CV/AV Impacts into Regional Transportation Planning and Modeling Tools**
- **Connected Road Classification System Development**

# Other Work in the Pipeline

- Analysis of Low-Speed Automated Vehicles (LSAV): Pilots and Deployments
- Mobility-on-Demand and Automated Driving Systems: A Framework for Public-Sector Assessment
- Framework for Managing Data from Emerging Transportation Technologies to Support Decision-Making
- Impacts of CV and AV Technologies on the Highway Infrastructure
- Redesigning Public Transportation Networks for a New Mobility Future
- Assessing the Impacts of Connected, Automated, and Autonomous Vehicles on the Future of Transportation Safety