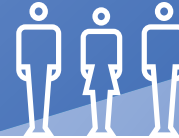


THE FUTURE OF TRANSPORTATION

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Why SAVs are Important to Public Transportation and the Economy



Advances in shared autonomous vehicle (SAV) technology are moving forward at a rapid pace. With an ability to operate much more efficiently, the electric SAV will “unleash” the full potential of major transit investments, now and into the future, with near-future SAVs functioning as a reliable feeder service for frequent and convenient public transportation, such as the BART system and the Livermore Amador Valley Transit Authority’s (LAVTA) bus rapid transit networks. The result will be less congestion and pollution, greater safety on roadways, and a leap in the quality of life for residents.

Vision and Goals of LAVTA’s SAV Project

LAVTA has initiated an SAV project in the City of Dublin that will build upon and reap synergies from the nearby Bishop Ranch autonomous vehicle project. LAVTA’s partners in this project include:

- The **Bay Area Rapid Transit** District (BART)
- The **Bay Area Air Quality Management District**
- The **Contra Costa Transportation Authority**
- The **City of Dublin**
- The **GoMentum** autonomous vehicle testing facility in Concord, California
- SAV distributor **EasyMile**

Specifically, the vision of the project is to test, and later place into service, SAVs on public roads near the Dublin/Pleasanton BART station. The objective is to place SAVs into service to transport residents who live beyond convenient walking distance from the BART stations and LAVTA’s bus rapid transit system. These residents would forgo the hassle of driving a short distance and finding parking for their single occupant vehicle at the station if an attractive alternative was available.

GOALS

Increase BART and LAVTA Bus Rapid Transit ridership

Create transit jobs

Shift single occupant vehicle trips to transit trips, reducing emissions

Increase farebox recovery for transit operations

Improve trip reliability, safety and the environment

In the future it is envisioned that through a collaborative effort, Contra Costa County and Eastern Alameda County will deploy more than 175 SAVs to provide an additional 3.8 million rides per year in public transportation, while adding more than 166 new transit jobs into the industry, and realizing a 90% improvement in safety.

Why AB 1444 is Important to California

LAVTA is working diligently with our strategic partners to begin the testing of two SAVs on city streets in Dublin during the first three months of 2018. The project is high priority and delays could be costly to the agency and the industry in California.

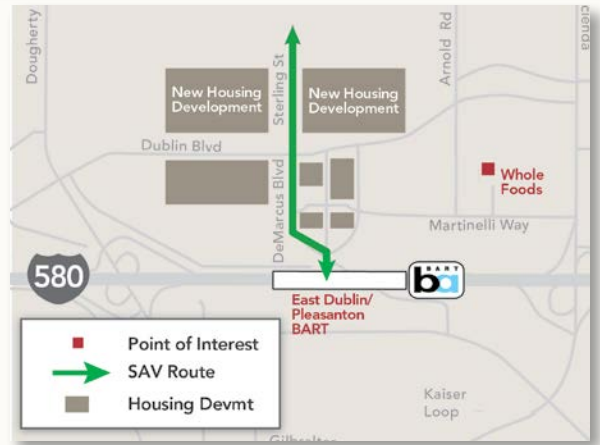
AB 1444 (Baker) will authorize LAVTA to conduct a pilot project for the testing of SAVs on public streets in the City of Dublin through April of 2018, ensuring that the SAV project can continue should the California Department of Motor Vehicles be delayed in issuing its regulations on autonomous

vehicles. Additionally, the bill would ensure that SAVs being tested would meet specific safety and insurance guidelines. Those include a maximum speed limit of 35 miles per hour, proof of insurance in the amount of \$5,000,000, and submitting a detailed description of the testing program to the department.

In conclusion, AB 1444 (Baker) is needed to continue the momentum of forward thinking projects already underway, to encourage technological innovation in the field of public transit and to create jobs for California residents.



Bishop Ranch SAV test site 2017



Dublin SAV test route being considered

EasyMile's Shared Autonomous Vehicle

The SAV to be used in this project weighs about 3,500 pounds, has space for 12 riders, and operates generally at 20 miles per hour. The low operating speed allows for adequate response time to avoid potential hazards in the roadway. The vehicles, which are 12 feet long by 7 feet wide, can operate without tracks, enabling transit systems to avoid significant capital costs and the need for major infrastructure investment.

The SAVs are operated on batteries and are zero emission vehicles. They carry a full array of cameras and are equipped to accept online prepayment of fares, as well as smart card and smartphone payment technologies.

The SAV vehicles involved in the LAVTA project will always carry operators onboard to take control of the vehicle in the event of operational issues.

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