

STAFF REPORT

SUBJECT: Shared Autonomous Vehicle Pilot Project Update
FROM: Jonathan Steketee, Customer Service and Contract Compliance Manager
DATE: November 7, 2018

Action Requested

None – information only.

Background

LAVTA initiated a pilot Shared Autonomous Vehicle (SAV) project in 2017. The goal of the pilot is to test and deploy a SAV in a real world application, to include mixed use traffic on public roadways. The area around the Dublin BART station was identified as an appropriate testing ground for the SAV and LAVTA subsequently contracted with GoMentum to acquire an SAV on behalf of LAVTA for testing.

Discussion

The SAV project has been a challenge for LAVTA and its partners. The following is a brief summary of the delays encountered:

AAA Acquires GoMentum

GoMentum in an effort to bring more resources into the project was bought by the American Automobile Association (AAA). While the acquisition will be favorable to the Authority's project in the long run, the acquisition is resulting in a new agreement with AAA that will be brought to the Board at the next meeting and the transition to a new management team for the project.

Storage Facility/Charging Station

AAA and LAVTA continue to work on the development of the SAV storage and charging station at the Dublin/Pleasanton BART Station. While the completion of the storage and charging is still several months away, AAA has agreed to begin testing of the SAV in November at the Dublin/Pleasanton BART Station by hauling the SAV from an off-site storage/charging location.

Inductive Charging

Developments in technology have resulted in the potential to use inductive or "wireless" charging of SAVs. AAA has recently installed inductive charging equipment on LAVTA's SAV and is making plans to install inductive charging equipment at the storage/charging facility being constructed at the Dublin/Pleasanton BART Station. It is anticipated that this

will be the first location in the US to have an SAV wirelessly charged with inductive technology.

LAVTA is having weekly calls and regular meetings with the key partners to ensure that we are moving forward on the pilot as expeditiously as possible. At the Board meeting staff will provide additional information on the SAV project.

Fiscal Impact

None

Recommendation

None – information only.