



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.
SECRETARY

February 10, 2020

To Whom It May Concern:

Please consider this letter a request for an experimental license for the use of Cellular-Vehicle-to-Everything (C-V2X) devices for testing at two locations owned by Florida's Turnpike Enterprise (FTE); the SunTrax Test Facility, and the Pompano Maintenance Office.

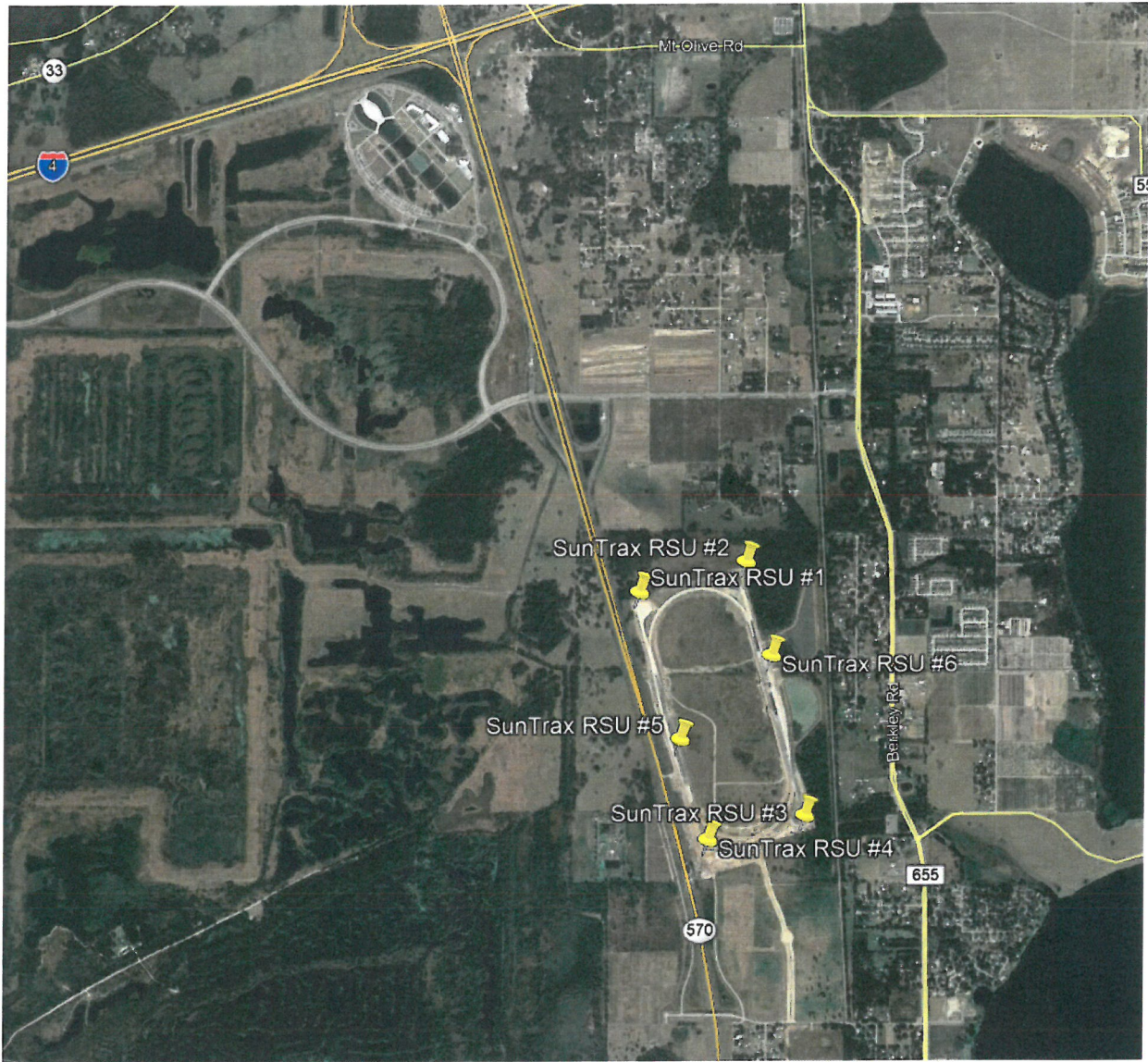
Florida's Turnpike Enterprise (FTE) is a district of The Florida Department of Transportation (FDOT) which is responsible for coordinating the planning and development of a safe, viable, and balanced state transportation system serving all regions of the state. FTE acts as the tolling arm of the Department, operating nearly 500 miles of toll roads throughout the state, as well as a new connected/automated vehicle test facility called SunTrax in Central Florida.

FTE and FDOT have deployed and tested dedicated short-range communications (DSRC) equipment in previous CV deployments. Due to the continued advancement and exploration of C-V2X technology by chip makers and automobile manufacturers, FTE would like to test equipment with C-V2X communications and dual mode DSRC and C-V2X communications.

The estimated length of time to complete the program of experimentation is two years (February 2020 through February 2022). FTE plans to use RSUs equipped with C-V2X communication using the 5.9 GHz bandwidth. Some of the many anticipated CV applications to be tested, which are related to improving safety and mobility of the public, include:

- Toll collection and payment applications
- Wrong-way driver warnings
- Disabled/Stopped vehicle warnings
- Vehicle speed differential warnings
- End of Ramp Deceleration Warning
- Work Zone Warnings

The proposed locations of the C-V2X RSU installations at SunTrax are shown on the following page.



Thank you in advance for your assistance.

Sincerely,

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