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Cc: [NCDOT - Integrated Mobility Division](#); [White, Julie A \(NCDOT\)](#); [Sudano, Stephanie](#)
Subject: Autonomous/Electric/Transit Vehicle - NC Transit Agencies Your Chance to Ride - December 6-10th!
Date: Tuesday, November 30, 2021 8:29:19 AM
Attachments: [image001.png](#)
[image002.png](#)

Dear Transit Partners,

IMD has coordinated with Perrone Robotics to demonstrate a **19-passenger vehicle operating autonomously** along a 1.5 mile loop within uptown Charlotte. **And YOU are invited to take a ride.** Slots for transit agencies representatives will be open between 1 and 2 daily from December 6 through December 10th. The rest of the time, nearby conference goers at ITSA (Intelligent Transportation Society of America) will be riding. This demonstration will provide a real-world example of how autonomous vehicle technology and innovations can be used to empower and connect communities through a self driving transit vehicle. Please email Stephanie Sudano at ssudano@ncdot.gov to sign up to ride. Additional information and instructions will be provided after sign up!

This technology is much closer than you think. Several companies are slated to have self driving vans on public streets in 2022, operating at posted speed limits at or below 35 mph. Grant funding is generally available for cutting edge technology like this, so come see what you think, and learn about how this could serve your community!

The more technical side: Perrone Robotics will showcase their approach of utilizing Perrone Robotics' TONY© Autonomous Retrofit Kit that integrates into any vehicle type for any job application. The kit creates a turnkey fully autonomous vehicle solution for designated zones on vehicles that conform to Federal Motor Vehicle Safety Standards (FMVSS). The demonstration will also showcase the broadcasting of connected vehicle technology including signal phasing and timing (SPaT) information through an Applied Information deployment of field infrastructure communicating with iPad on the vehicle.

Note: This demonstration is associated with the [ITSA conference](#), and their rules are that attendees and riders must have been vaccinated against COVID. Thank you!



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