



TO: Honorable Mayor & Members of the Fort Lauderdale City Commission

FROM: Chris Lagerbloom, ICMA-CM, City Manager

DATE: June 21, 2022

TITLE: Motion Approving the Execution of an Agreement with the Florida Department of Transportation for the Operations, and Maintenance of an Intelligent Transportation System (ITS), known as Bluetooth/BlueToad Devices - **(Commission District 4)**

Recommendation

Staff recommends the City Commission approve the execution of an Agreement with the Florida Department of Transportation (FDOT) for the operation and maintenance of an Intelligent Transportation System (ITS), known as Bluetooth/BlueToad devices.

Background

In 2019, the City of Fort Lauderdale identified the need and appropriated funding to build out an Intelligent Transportation System (ITS). Since that time, City staff has coordinated the installation of seven (7) Bluetooth devices across the City limits. These devices collect time-travel information and measure the distance, time, and speeds at which vehicles travel at any given time. This information is automatically collected from vehicles with enabled Bluetooth systems and aggregated to analyze traffic patterns and trends.

The proposed Agreement will transfer the operating and maintenance responsibilities from the City to FDOT and in exchange the City shall provide FDOT access to data produced by the units regardless of jurisdictional deployments. The City will provide inventory tags on the equipment prior to deployment or post-deployment and FDOT will provide the maintenance inventory tags on the subjected devices for maintenance tracking capabilities.

FDOT agrees to maintain ITS devices through the following functional areas in the City of Fort Lauderdale. The proposed Agreement includes the previously installed seven (7) ITS Devices at the following intersections:

- Davie Boulevard at SW 15th Avenue
- Davie Boulevard at SW 4th Avenue
- Davie Boulevard at Federal Highway
- SE 17th Street at Eisenhower Boulevard

- Federal Highway at SE 17th Street
- Federal Highway at Marina Mile Boulevard
- Marina Mile Boulevard at SW 4th Avenue

Additional corridors and/or intersections may be added to this Agreement or current corridors amended by mutual agreement the City of Fort Lauderdale and the Florida Department of Transportation.

Resource Impact

This proposed action will shift future operating and maintenance costs from the City to FDOT. The annual cost savings is estimated at \$500 per device.

Strategic Connections

This item supports the *Press Play Fort Lauderdale 2024* Strategic Plan, specifically advancing:

- The Infrastructure Enhancement focus area
- Goal 2: Build a multi-modal and pedestrian friendly community.
- Objective: Improve transportation options and reduce congestion by working with partners

This item advances the *Fast Forward Fort Lauderdale 2035* Vision: We Are Community

Attachments

Exhibit 1 – Agreement

Exhibit 2 – Location Map

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