



## Legislation Text

File #: ID#23-0077, Version: 1

### SUBJECT/RECOMMENDATION:

Approve a Joint Participation Agreement (JPA) with Florida Department of Transportation (FDOT) for the implementation of V21 Pedestrian Warning system connected vehicle project on Alt 19 (23-0006-EN), in the amount of \$452,000 of which \$361,600 is to be reimbursed by FDOT and authorize the appropriate officials to execute same. (consent)

### SUMMARY:

The City of Clearwater endorses the Safe Streets Pinellas Action Plan and efforts towards zero traffic-related deaths by 2045. A systematic approach is to deploy a V21 Pedestrian Warning System connected vehicle technology to improve pedestrian safety. Connected vehicle technology will provide notifications to drivers that pedestrians are present along a portion of the ALT19 corridor in city limits, from Cleveland St. to Belleair Rd.

FDOT agrees to participate in funding the implementation of the V21 Pedestrian Warning System with the City of Clearwater through JPA FPN 451403-1-58-01 in an amount not to exceed \$361,600 to be reimbursed for the procurement of 9 Roadside Units, 2 On-Board Units, 4 video analytic detection systems and signal system software upgrades in the Clearwater Traffic Management Center (TMC), including all ancillary equipment and cabling necessary to complete the project.

The City will contribute \$90,400 of the \$3.5M ARPA-related funds towards this project to improve the city's traffic management system by integrating an intelligent traffic system and collaborating with regional partners, FDOT and Pinellas County.

Roadside Units will be located at the following Intersections:

1. ALT US 19 / MYRTLE AVENUE AND CHESTNUT STREET
2. ALT US 19 / MYRTLE AVENUE AND COURT STREET
3. ALT US 19 / MYRTLE AVENUE AND CLEVELAND STREET
4. ALT US 19 / COURT STREET AND MLK JR AVENUE
5. ALT US 19 / MISSOURI AVENUE AND BELLEAIR ROAD
6. ALT US 19 / MISSOURI AVENUE AND LAKEVIEW ROAD
7. ALT US 19 / MISSOURI AVENUE AND CLEARWATER PLAZA DRIVE
8. ALT US 19 / MISSOURI AVENUE AND DRUID ROAD
9. ALT US 19 / MISSOURI AVENUE AND COURT STREET

A future item will be brought forward for the purchase of the system once a vendor has been selected. The City's portion will be funded from \$3.5 million of General Fund budget allocated by Council during fiscal 2022 to fiber upgrades and broadband connectivity. This General Fund allocation was possible due to ARPA revenue recovery used to partially fund Police salaries and wages for fiscal 2022.