



Pinellas County

Staff Report

File #: 18-924A, **Version:** 1

Subject:

Grant application to the U.S. Department of Transportation, Advanced Transportation and Congestion Management Technologies Deployment pilot program for funding in the amount of \$7 million.

Recommended Action:

Approval of the grant application to the U.S. Department of Transportation (USDOT) Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) pilot program for funding in the amount of \$7 million.

A funding match of at least 50% is required by the USDOT. The County will provide a match of \$9.31 million through the use of current and planned Capital Improvement Projects that are funded between the County and the Florida Department of Transportation (FDOT).

Strategic Plan:

Foster Continual Economic Growth and Vitality

4.4 Invest in infrastructure to meet current and future needs

4.5 Provide safe and effective transportation systems to support the efficient flow of motorists, commerce, and regional connectivity

Deliver First Class Services to the Public and Our Customers

5.1 Maximize partner relationships and public outreach

5.3 Ensure effective and efficient delivery of county services and support

5.4 Strive to exceed customer expectations

Summary:

This action is necessary for the Public Works Transportation Division (PWTD) to apply for \$7 million in grant funding with the USDOT for an ATCMTD pilot program. The pilot program will develop and install integrated corridor management, deploy connected vehicle technologies, and transit technology enhancements. The north/south corridors include US 19 and CR 611. The east/west corridors include Keystone Road, Curlew Road, SR 580 and SR 60.

The Board of County Commissioners granted prior approval of this item at the June 14, 2018 Work Session in order to meet the grant submission deadline of June 18, 2018. This action formalizes the Board's approval granted at the June 14, 2018 meeting.

Background Information:

The USDOT has established an ATCMTD pilot program to develop model sites for the installation and operation of advanced transportation technologies to improve safety, efficiency, system performance, and infrastructure return on investment. The USDOT intends for these model technology deployment sites to demonstrate how emerging transportation technologies can be deployed and integrated with existing systems and infrastructure to reduce traffic fatalities and injuries, reduce traffic congestion

and travel time, and provide continuous real-time connectivity to all system users.

The County is in an ideal position to serve as a model program to expand our existing transportation technologies in order to assist the USDOT in establishing and implementing the ATCMTD pilot program. The PWTB has assembled a proposal that leverages existing and planned capital improvement projects that are funded between the County and the FDOT for \$9.31 million, along with this \$7 million grant request from the USDOT ATCMTD, for a total pilot project cost of \$16.31 million. Approval of this grant request will add connected vehicle technology to several planned Advanced Traffic Management/Intelligent Transportation Systems (ATMS/ITS) projects, which include 49th Street, Keystone Road and our Phase 3 ATMS (north County). This model program will allow the County to utilize these planned projects to expand and include additional management technologies that will greatly benefit the County, FDOT, City of Clearwater, PSTA and USDOT.

The County continues to work with our partners to expand the ATMS/ITS system, and is recognized as a national leader in transportation technologies. The County currently has the existing infrastructure in place to aid in the deployment of this pilot program. The existing infrastructure includes CCTV cameras, Bluetooth travel time sensors, dynamic message signs, fiber optic communications and adaptive signal control software that would provide for an optimal network of technology tools for the ATCMTD pilot program.

Fiscal Impact:

There is no fiscal impact to the County with the submission of this grant application. Should funding be approved, the USDOT will provide up to \$7 million in grant funding toward this pilot program. The County will match the grant funding with approximately \$9.31 million, for a total anticipated cost of \$16.31 million.

The County's portion is budgeted in the Capital Improvement Program and is funded through a combination of the Local Option Fuel Tax, as well as state transportation grants through the following transportation projects:

- PID No. 002600A- ATMS 49th Street (\$3.26 million)
- PID No. 002601A- ATMS Phase 3 Expansion (\$4.1 million)
- PID No. 003771A- ATMS Keystone Road (\$705,000)
- PID No. 003775A- ATMS Central Software Purchase (\$500,000)
- PID No. 003776A- ITS Equipment and Installation (\$750,000)

Staff Member Responsible:

Rahim Harji, Assistant County Administrator

Partners:

USDOT, FDOT, Federal Highway Administration, City of Clearwater, PSTA

Attachments:

Grant Application/Narrative
County Match Source Spreadsheet
CIP Budget Sheets
OMB Grant Information Form
OMB Email