




MEMORANDUM

Date: September 14, 2023

To: Honorable Mayor and Commissioners

Via: Albert P. Childress
City Manager 

From: Rodrigo Delostrinos
Director of Transportation

Subject: Approve the transit bus fleet Computer Aided Dispatch and Automatic Vehicle Location technology systems equipment procurement and service agreement from CTS Software Service for a five-year period in a total project amount not to exceed \$500,000

Introduction

Approve the transit bus fleet Computer Aided Dispatch and Automatic Vehicle Location (CAD/AVL) technology systems equipment procurement and service agreement from CTS Software Service for a five-year period in a total project amount not to exceed \$500,000, Section 2-797 (3) of the Code of Ordinances: Exemption from competitive bid requirements pursuant to purchases and acquisitions under contracts of the federal government, the state or its political subdivisions, and governmental purchasing cooperative programs. Authorizing any necessary budget adjustments; Authorizing the City Manager to execute necessary documents upon consent of the City Attorney.

Background

The CAD/AVL technology is the centerpiece of the Real Time Passenger Information System (RTPIS). The RTPIS provides riders with “real time” boarding (bus location & arrival times) and alighting information through automated visual and audio stop announcements. Staff receives “real time” automatic passenger counts onboard all vehicles and adjusts transit service to meet the needs of passengers based on ridership, use of services and geographical areas. Ridership information is further transmitted into the National Transit Database. Since many of the City of Key West transportation grant programs’ allocations depend on accurate ridership data, continual use of the RTPIS is in the best interest of the City of Key West. Since 2008, the City of Key West has been utilizing this type of technology. This system will provide better transit communication with the public and is consistent with the Key West FORWARD Strategic Plan’s communications strategy of more direct communication with community members. Currently, four different vendors are required to provide the existing service. Selection of a new vendor would provide better communication services at a lower annual cost.

Procurement

Section 2-797 (3) of the Code of Ordinances provides for exemption from competitive bid requirements pursuant to purchases and acquisitions under contracts of the federal government, the state or its political subdivisions, and governmental purchasing cooperative programs. The FDOT, Modal Development Office and CTS Software entered into Contract #APTS-21-S-CTS in which Section 2.5 Computer Aided Dispatch and Automatic Vehicle Location meets the City of Key West required specifications. Staff has determined through an informal solicitation that the contract price is fair and reasonable.

Staff has participated in multiple presentations with vendors and follow up meetings to review the various systems available. Following a 6-month research process, three systems were considered. The CAD/AVL technology system that best meets the needs of the City of Key West is from CTS Software.

Potential Replacement		Year 1 Service	Year 2 Service	Year 3 Service	Year 4 Service	Year 5 Service	Total
CTS Software	\$ 302,504.84	Included	\$ 40,151.84	\$ 40,151.84	\$ 40,151.84	\$ 40,151.84	\$ 463,112.20
ETA Transit	\$ 399,660.00	Included	\$ 58,856.00	\$ 58,856.00	\$ 58,856.00	\$ 58,856.00	\$ 635,084.00
AVAIL	\$ 717,204.00	Included	\$ 77,500.00	\$ 77,500.00	\$ 77,500.00	\$ 77,500.00	\$ 1,027,204.00

GMV service consist of Real Time Passenger Information (RTPI) along with computer-aided dispatch and automatic vehicle location (CAD/AVL). Additionally, Transit department uses other vendors for other services such as WiFi network management with Luminator and Google Transit Feed Specification with Trillum.

Recommendation

CTS Software offers multiple services and products that meets Transit current and future needs. These proven product and service will enhance the riders experience while simultaneously improving operations and possibly reducing costs.

All potential vendors listed above provide similar products and services. However, ETA Transit currently does not integrate with our current Infotransit Displays and AVAIL requires additional product and service as part of a package deal. Both vendors have significantly higher start-up cost and annual fees then the recommended vendor CTS Software.

Of the three systems considered, CTS Software was found to be the most advantageous for several reasons such as use of cloud-based system and integration with current onboard equipment. Additionally, the cost is the lowest. The cost of the first year’s service is also included in the project cost.

This procurement is predicated on pending grant funding under Section 5339 Bus and Bus Facilities in the total project amount of \$500,000. The procurement of equipment and the first-year service agreement is 100% reimbursable. The service agreement will then be subsidized at the 50% rate thereafter. Once the Public Transportation Grant Agreement is executed, a budget amendment for FY 23/24 will be presented to the City Commission for approval. To avoid a service disruption, it is necessary to have this procurement and service agreement approved in advance of the execution of the PTGA.

Recommendation

Approve the transit bus fleet Computer Aided Dispatch and Automatic Vehicle Location technology systems equipment procurement and service agreement from CTS Software Service for a five-year period in a total project amount not to exceed \$500,000

Exhibits:

Exhibit A – FDOT Contract

Exhibit B – FDOT Approval to Hold the Pricing

Exhibit C – CTS Quote