

STAFF REPORT

DATE: February 27, 2023
TO: Sacramento Regional Transit Board of Directors
FROM: Carmen Alba, VP, Bus Operations
SUBJ: APPROVING A SOLE SOURCE PROCUREMENT AND DELEGATING AUTHORITY TO THE GENERAL MANAGER/CEO TO APPROVE AND EXECUTE A CONTRACT FOR THE PURCHASE OF INTELLIGENT VEHICLE NETWORK 5 EQUIPMENT

RECOMMENDATION

Adopt the Attached Resolution.

RESULT OF RECOMMENDED ACTION

This action would replace the existing end-of-life Clever Devices Intelligent Vehicle Network 3 (IVN3) equipment with Intelligent Vehicle Network 5 (IVN5) equipment on 43 vehicles used for fixed route bus service.

FISCAL IMPACT

The cost of the equipment is \$454,465.63, which includes tax and shipping. This project is wholly funded through the State of Good Repair Program administered and managed by California Department of Transportation (Caltrans) as part of a grant award to SacRT in the amount of \$652,630.

DISCUSSION

The Intelligent Vehicle Network (IVN) is the vehicle logic unit that controls the complete Clever Devices Intelligent Transportation System (ITS) technology package on each vehicle. The IVN is a rugged and powerful onboard computer specifically designed to manage transportation applications, collecting and transmitting data, either in real-time or upon arrival in the depot. The IVN provides: automated GPS-based “next stop” voice announcements; automated head sign control; passenger boarding counts; and vehicle on-time performance monitoring. The IVN system is essentially the heart of an on-board computer monitoring and GPS-based location and schedule/route adherence system. The IVN system is configured to work with Trapeze, SacRT’s expansive, integrated scheduling and run-cut technology.

Currently, all of SacRT’s fixed route vehicles are equipped with Clever Devices IVN systems; however, some buses have IVN3 equipment that is past its end-of-life and is not compatible with the new Clever Devices Disruption Manager module scheduled for

implementation in 2023. The Disruption Manager module will allow easier route adjustments for construction projects, including setting bus bridges for the low floor vehicle platform conversion improvements at light rail stations. As Clever Devices equipment and software are proprietary to this manufacturer and the manufacturer does not offer its equipment, software, or software maintenance through resellers, the purchase to replace this equipment must be a sole source.

Beginning in 2001, with the first solicitation for low-floor Compressed Natural Gas (CNG) buses, which resulted in the award of a Contract to Orion Bus Industries for 96 buses, and continuing over the last 20 years, SacRT has, on a sole source basis, expanded the Clever Devices system to the full bus fleet and added additional products and services to the ITS system.

The 2001 solicitation included a requirement that the buses be equipped with an automated voice announcement and passenger counting system with GPS functionality and equipment. In support of the American Public Transportation Association (APTA) guidelines, SacRT did not specify a manufacturer for the ITS system and offered proposers the opportunity to select a subcontractor that could provide the ITS system as an option under the CNG bus procurement. The contract was awarded to Orion Bus Industries under the competitive solicitation, which selected an ITS system from Clever Devices to satisfy the solicitation requirements.

To fund the replacement of the currently installed IVN3 equipment with IVN5 equipment, SacRT applied for and was awarded State of Good Repair Program grant funding. The award wholly funds the replacement of the remaining IVN3 equipment on fixed route vehicles.

Staff has researched the market and found that other suppliers of hardware and software are not compatible with SacRT's existing Clever Devices IVN equipment. Removing and replacing the entire Clever Devices system would be cost prohibitive and not in the best interest of the agency.

RESOLUTION NO. 2023-02-021

Adopted by the Board of Directors of the Sacramento Regional Transit District on this date:

February 27, 2023

APPROVING A SOLE SOURCE PROCUREMENT AND DELEGATING AUTHORITY TO THE GENERAL MANAGER/CEO TO APPROVE AND EXECUTE A CONTRACT FOR THE PURCHASE OF INTELLIGENT VEHICLE NETWORK 5 EQUIPMENT

NOW, THEREFORE, BE IT HEREBY RESOLVED BY THE BOARD OF DIRECTORS OF THE SACRAMENTO REGIONAL TRANSIT DISTRICT AS FOLLOWS:

THAT, the Clever Devices solution was competitively procured as part of the 2001 Compressed Natural Gas (CNG) bus procurement, which included a requirement that vehicles be equipped with an automated voice announcement and passenger counting system with GPS functionality and equipment; and

THAT, the procurement of Clever Devices IVN technology has been included in all subsequent bus and equipment procurements; and

THAT, a transition to another vendor for these services would be cost-prohibitive; and

THAT, pursuant to Section 1.405.B.1 of the Procurement Ordinance, the products and services needed to upgrade SacRT's existing INV technology can only be provided by Clever Devices, Ltd. and it would be futile to seek competition, justifying a sole source procurement; and

THAT, authority is delegated to the General Manager/CEO to approve and execute a Contract with Clever Devices, Ltd. for the purchase of the Clever Devices Intelligent Vehicle Network 5 (IVN5) by and between the Sacramento Regional Transit District (therein "SacRT") and Clever Devices, Ltd. (therein "Contractor") wherein Clever Devices agrees to provide IVN5 devices, as further set forth therein, for an amount not to exceed \$423,558.60 plus applicable state and local tax.

PATRICK KENNEDY, Chair

A T T E S T:

HENRY LI, Secretary

By: _____
Tabetha Smith, Assistant Secretary