

To: Board of Directors

Date: August 13, 2026

From: Amber Johnson, Chief Financial Officer

Reviewed by: WC.

SUBJECT: Clever Devices/Hitachi Rail Contracts

Background:

County Connection has utilized Clever Devices Intelligent Transportation System (ITS) technology for more than two decades. In 2011, the Board authorized implementation of the Clever Devices ITS platform, including replacement of the Authority's CAD/AVL system, radio control system, and passenger information systems. In 2012, the Board approved a contract amendment to upgrade onboard Intelligent Vehicle Network (IVN) equipment throughout the fleet, establishing the foundation of the ITS infrastructure currently in service. On July 1, 2026, Hitachi Rail acquired Clever Devices.

Today, Hitachi Rail technology supports several mission-critical functions, including vehicle location tracking, computer-aided dispatch, automated stop announcements, passenger counting, BusTime real-time passenger information, onboard communications, and service performance reporting. The Hitachi Rail platform is integrated throughout the fleet and operations and serves as the backbone of County Connection's Intelligent Transportation System.

The Authority's annual software maintenance and support agreement with Clever Devices (now Hitachi Rail) expired on June 30, 2026, and renewal is necessary to maintain manufacturer-supported operation of these critical systems.

In addition, the onboard IVN version 3 (IVN3) equipment installed on the County Connection fleet has reached the end of manufacturer support. Beginning in 2023, bus builds include the newer IVN version 5 system (IVN5). Staff has proposed upgrading the 2017 fleet (13 buses) to current IVN5 platform. The upgrade will modernize the Authority's fleet while allowing removed, operational IVN3 units to be retained as spare parts for older buses that remain equipped with the IVN3 platform. This strategy reduces obsolescence risk, improves system reliability, and extends the useful life of existing fleet assets.

Discussion:

The proposed maintenance agreement provides continued support for the Authority's ITS platform, including software maintenance, database management, hosted services support, software updates, and technical assistance. The agreement also includes six annual on-site visits by a Hitachi Rail field service technician.

The proposed IVN5 project includes replacement of IVN3 equipment on thirteen buses, hardware configuration, testing, installation supervision, project management, and three spare IVN5 controllers. The upgrade will improve long-term reliability while creating a valuable inventory of spare IVN3 components for older vehicles.

Because the Hitachi Rail system consists of proprietary hardware and software installed throughout the fleet, Hitachi Rail is uniquely qualified to provide manufacturer-supported maintenance, software support, and system upgrades.

Financial Implications:

The proposed one-year maintenance agreement for the period July 1, 2026 through June 30, 2027 totals \$245,487, consisting of:

- Annual On-Site Support and Database Support: \$172,907
- Software Maintenance: \$72,580
- **Total Contract Amount: \$245,487**

County Connection has programmed \$156,627 in FY 2026-27 State of Good Repair (SGR) funds to support the ongoing maintenance of its onboard Intelligent Transportation System (ITS) infrastructure, including radios, onboard computers, and the CAD/AVL system. These SGR funds will be applied to the Hitachi Rail maintenance agreement. The remaining balance of \$88,860 will be funded through the FY 2026-27 operating budget.

The proposed IVN5 fleet upgrade project totals \$260,034, consisting of:

- IVN5 Retrofit Upgrade for 13 buses, net of discount program: \$204,516
- Three (3) Spare IVN5 Controllers: \$20,394
- Sales tax: \$21,929
- Installation Services: \$13,195
- **Total Contract Amount: \$260,034**

This upgrade project will be funded with FY 2026-27 TDA Capital funds and is included in the approved budget.

The total cost of both contracts is \$505,521.

Recommendation:

The Administration & Finance (A&F) Committee and staff recommend that the Board of Directors consider the renewal of the Hitachi Rail service contract for annual software maintenance, database services, on-site technical support; and the upgrade of thirteen 2017 buses from IVN3 to IVN5 equipment in an amount not to exceed \$505,521 and recommend that the Board of Directors authorize the General Manager, or designee, to execute the agreements and related purchase orders.

Action Requested:

The A&F Committee and staff request that the Board of Directors adopt Resolution Number 2027-02 authorizing the General Manager or designee to execute agreements and related procurement documents with Hitachi Rail for annual software maintenance, database services, on-site support, and the IVN5 fleet upgrade project in an amount not to exceed \$505,521.

Attachments:

Attachment 1: Resolution Number 2027-02

RESOLUTION NO. 2027-02

**BOARD OF DIRECTORS
CENTRAL CONTRA COSTA TRANSIT AUTHORITY
STATE OF CALIFORNIA**

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AUTHORIZING THE GENERAL MANAGER OR DESIGNEE TO EXECUTE WITH HITACHI RAIL A ONE-YEAR RENEWAL OF THE ANNUAL SOFTWARE MAINTENANCE AND SUPPORT CONTRACT AND A CONTRACT TO UPGRADE THIRTEEN 2017 BUSES FROM IVN3 TO IVN5 EQUIPMENT FOR A TOTAL NOT-TO-EXCEED AMOUNT OF \$505,521

WHEREAS, the County of Contra Costa and the Cities of Clayton, Concord, the Town of Danville, Lafayette, Martinez, the Town of Moraga, Orinda, Pleasant Hill, San Ramon and Walnut Creek (Member Jurisdictions) have formed the Central Contra Costa Transit Authority (CCCTA), a joint exercise of powers agency created under California Government Code Section 6500 et seq., for the joint exercise of certain powers to provide coordinated and integrated public transportation services within the area of its Member Jurisdictions and certain unincorporated portions of Contra Costa County;

WHEREAS, on February 17, 2011, by Resolution No. 2011-011, the Board of Directors (Board) authorized implementation of the Clever Devices Intelligent Transportation System (ITS) platform, including replacement of CCCTA's Computer-Aided Dispatch/Automatic Vehicle Location (CAD/AVL) system, radio control system, and passenger information systems;

WHEREAS, on March 15, 2012, by Resolution No. 2012-020, the Board approved a contract amendment to upgrade onboard Intelligent Vehicle Network (IVN) equipment throughout the fleet, establishing the foundation of the ITS infrastructure currently in service;

WHEREAS, on July 1, 2016, Hitachi Rail CD U.S. Ltd. (Hitachi Rail) acquired Clever Devices;

WHEREAS, Hitachi Rail technology supports several mission-critical functions and is integrated throughout the fleet and operations and serves as the backbone of CCCTA's ITS;

WHEREAS, CCCTA's annual software maintenance and support agreement with Hitachi Rail expired on June 30, 2026, and renewal is necessary to maintain manufacturer-supported operation of these critical systems;

WHEREAS, the proposed maintenance agreement provides continued support for CCCTA's ITS platform, including software maintenance, database management, hosted services support, software updates, technical assistance, and six annual on-site visits by a Hitachi Rail field service technician;

WHEREAS, the onboard IVN version 3 (IVN3) equipment installed on the fleet has reached the end of manufacturer support, and upgrading the 2017 fleet (thirteen buses) to current IVN5 platform will modernize CCCTA's fleet while allowing removed, operational IVN3 units to be retained as spare parts for older buses that remain equipped with the IVN3 platform;

WHEREAS, the proposed IVN5 project includes replacement of IVN3 equipment on thirteen buses, hardware configuration, testing, installation supervision, project management, and three spare IVN5 controllers;

WHEREAS, Hitachi Rail is uniquely qualified to provide manufacturer-supported maintenance, software support, and system upgrades because the system consists of proprietary hardware and software installed throughout the fleet; and

WHEREAS, staff recommends and the Administration and Finance Committee concurs that the Board of Directors authorize the General Manager or designee to execute a one-year renewal of the annual software maintenance and support contract with Hitachi Rail for a not-to-exceed amount of \$245,487 and execute a one-year contract with Hitachi Rail to upgrade thirteen 2017 buses from IVN3 to IVN5 equipment for a not-to-exceed amount of \$260,034, for a total not-to-exceed amount of \$505,521.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Central Contra Costa Transit Authority hereby authorizes the General Manager or designee to execute a one-year renewal of the annual software maintenance and support contract with Hitachi Rail for a not-to-exceed amount of \$245,487, and execute a one-year contract with Hitachi Rail to upgrade thirteen 2017 buses from IVN3 to IVN5 equipment for a not-to-exceed amount of \$260,034, for a total not-to-exceed amount of \$505,521; and

BE IT FURTHER RESOLVED that the General Manager or designee is authorized to take any other actions necessary to give effect to this Resolution.

Regularly passed and adopted this 20th day of August, 2026 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Robert Storer, Chair, Board of Directors

ATTEST:

Lathina Hill, Clerk to the Board