

LOS ANGELES UNIFIED SCHOOL DISTRICT

SCHOOL CONSTRUCTION BOND CITIZENS' OVERSIGHT COMMITTEE

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Timothy Popejoy

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Perla Zitle

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Lori Raineri and Keith Weaver – Oversight

Consultants

Government Financial Services Joint

Powers Authority

RESOLUTION 2023-40

BOARD REPORT 135-23/24

RECOMMENDING BOARD APPROVAL FOR THE AMENDMENT OF THE INFORMATION TECHNOLOGY SERVICES STRATEGIC EXECUTION PLAN TO APPROVE THE INTELLIGENT SCHOOL NETWORK CONTROLS PROJECT

WHEREAS, District Staff proposes that the Board of Education amend the Information Technology Services (ITS) Strategic Execution Plan (SEP) to approve the definition, allocate funds, and take the associated actions for the Intelligent School Network Controls project, as described in Attachments A, B, and C; and

WHEREAS, District Staff proposes the following actions:

- Allocate a total of \$5,471,000 of bond funds to complete the Intelligent School Network Controls project.
- Approve execution of the Intelligent School Network Controls project; and

WHEREAS, On August 24, 2021, the Board of Education approved the update to the SUP to integrate Measure RR funding and priorities (Brd. Rpt. 027-21/22), the next phase of the District's Bond Program, which will modernize, build, and repair school facilities to improve student health, safety and educational quality. The Board's action approved the overarching goals and principles, funding sources, specific categories of need, and spending targets for the SUP. As proposed projects are developed, they are submitted to the Bond Oversight Committee (BOC) for consideration and the Board of Education for approval; and

WHEREAS, The SUP includes spending targets to “Upgrade and Equip [schools] with 21st Century Technology.” The intended outcome of the proposed project to be executed within this spending target is:

- Intelligent School Network Controls Project: This project will implement an Intelligent School Network Controls system at K-12 schools to enable “smart”, internet-enabled, educational, and operational digital devices to connect to each school’s network quickly and securely. \$5,471,000 Bond Funds (100%)

If approved, ITS will provide quarterly updates on the Project; and

WHEREAS, District Staff anticipates that the Board will amend the ITS SEP to define the new project described herein and allocate \$5,471,000 of Bond Program funding. This project will enable the District to provide a stable

RESOLUTION 2023-40

RECOMMENDING BOARD APPROVAL FOR THE AMENDMENT OF THE INFORMATION TECHNOLOGY SERVICES STRATEGIC EXECUTION PLAN TO APPROVE THE INTELLIGENT SCHOOL NETWORK CONTROLS PROJECT

school site network infrastructure, including local area network, wireless local area network, phone and public address systems, required for teaching, learning and daily operations.

Furthermore, this project directly contributes to the achievement of the 2022-2026 Los Angeles Unified School District Strategic Plan goals of providing high-quality instruction and eliminating opportunity gaps (Pillar 1: Academic Excellence) and modernizing infrastructure (Pillar 4: Operational Efficiency); and

WHEREAS, the District Office of General Counsel has reviewed the proposed Project and determined that it may proceed to the Bond Oversight Committee for its consideration for recommendation to the Board of Education.

WHEREAS, District Staff has concluded this proposed ITS SEP amendment will facilitate Los Angeles Unified’s ability to successfully complete the ITS SEP.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The School Construction Citizens’ Bond Oversight Committee recommends that the Board of Education adopt the amendment of the Information Technology Services Strategic Execution Plan to approve the IT Infrastructure to Support Learning Program listed above as described in Board Report 135-23/24, a copy of which is attached hereto in the form it was presented to the BOC and is incorporated herein by reference.
2. This resolution shall be transmitted to the Los Angeles Unified School District Board of Education and posted on the Bond Oversight Committee’s website.
3. The District is directed to track the above recommendation and to report on the adoption, rejection, or pending status of the recommendations as provided in section 6.2 of the Charter and Memorandum of Understanding between the Bond Oversight Committee and the District.

ADOPTED on January 11, 2024, by the following vote:

AYES: 13

ABSTENTIONS: 0

NAYS: 0

ABSENCES: 1

/Margaret Fuentes/
Margaret Fuentes
Chair

/Michael Hamner/
D. Michael Hamner
Vice-Chair



Board of Education Report

File #: Rep-135-23/24, **Version:** 1

Amendment to the Information Technology Services Strategic Execution Plan to Approve the Intelligent School Network Controls Project

January 23, 2024

Information Technology Services, Division of Instruction & Facilities Services Division

Action Proposed:

Approve amendment of the Information Technology Services (ITS) Strategic Execution Plan (SEP) to approve the definition, allocate funds, and take the associated actions for the Intelligent School Network Controls project, as described in Attachments A, B, and C.

The proposed actions are as follows:

- Allocate a total of \$5,471,000 of bond funds to complete the Intelligent School Network Controls projects.
- Approve execution of the Intelligent School Network Controls projects.

Background:

On August 24, 2021, the Board of Education approved the update to the SUP to integrate Measure RR funding and priorities (Brd. Rpt. 027-21/22), the next phase of the District's Bond Program, which will modernize, build, and repair school facilities to improve student health, safety and educational quality. The Board's action approved the overarching goals and principles, funding sources, specific categories of need, and spending targets for the SUP. As proposed projects are developed, they are submitted to the Bond Oversight Committee (BOC) for consideration and the Board of Education for approval.

The SUP includes spending targets to “Upgrade and Equip [schools] with 21st Century Technology.” The intended outcome of the proposed project to be executed within this spending target is:

- Intelligent School Network Controls Project: This project will implement an Intelligent School Network Controls system at all K-12 schools to enable “smart”, internet-enabled, educational, and operational digital devices to connect to each school’s network quickly and securely. \$5,471,000 Bond Funds (100%). December 2025 anticipated completion.

If approved, ITS will provide quarterly updates on the projects.

Bond Oversight Committee Recommendations:

The School Construction Bond Citizens’ Oversight Committee (BOC), at its January 11, 2024 meeting, considered this item. Staff has concluded that this proposed SEP Amendment will facilitate the implementation of the ITS SEP, and therefore it will not adversely affect the District’s ability to successfully complete the ITS SEP.

Expected Outcomes:

Staff anticipates that the Board will amend the ITS SEP to define the new project described herein and allocate

\$5,471,000 of Bond Program funding. This project will enable the District to provide a stable school site network infrastructure, including local area network, wireless local area network, phone and public address systems, required for teaching, learning and daily operations.

Furthermore, this project directly contributes to the achievement of the 2022-2026 Los Angeles Unified School District Strategic Plan goals of providing high-quality instruction and eliminating opportunity gaps (Pillar 1: Academic Excellence) and modernizing infrastructure (Pillar 4: Operational Efficiency).

Board Options and Consequences:

Failure or delay of approval will postpone the execution and/or implementation of the proposed project and the associated benefits to the schools and students.

Policy Implications:

This action is consistent with the District’s long-term goal to address unmet school needs as described in Proposition BB and Measures K, R, Y, Q, and RR.

Budget Impact:

The proposed project has a total budget of \$5,471,000, all of which will come from Bond Program funding. The bond funds will be allocated from the “Upgrade and Equip with 21st Century Technology” SUP category of need.

Upon completion of the project, \$612,700 in new funds will be needed to maintain the new systems deployed. These funds will be planned for and budgeted out of the hardware/software and E-Rate budgets.

Student Impact:

The proposed project has the following outcomes and benefits that impact students:

- Free up high-value instructional time by allowing local school staff to quickly register smart school devices on the local network.
- Increase the quantity and type of usable smart devices for instructional purposes on the network.
- Comply with requirements to protect student and business information through network segmentation.

Equity Impact:

Component	Score	Score Rationale
Recognition	4	The deployment of Intelligent School Network Controls provides improved and equal access to <u>all students</u> .
Resource Prioritization	4	The deployment of Intelligent School Network Controls provides improved and equal access to <u>all students</u> .
Results	4	This project contributes to the elimination of opportunity gaps by providing more device accessibility to the District’s network. Furthermore, this project contributes to other pillars and priorities of the 2022-2026 LAUSD Strategic Plan, including: High-Quality Instruction (Pillar 1: Academic Excellence) and Modernize Infrastructure (Pillar 4: Operational Efficiency).
TOTAL	12	

Issues and Analysis:

Intelligent School Network Controls allow “smart,” Internet-enabled devices to connect to a school-site network quickly and securely. Without these Controls educators, students and facility managers may experience:

- A limit to the number and type of smart devices capable of being used in the classroom.
- Increased security risks due to lack of device segmentation.
- Rejection of or delays in authorization for devices to use the network for communications.
- Inability to compete in sanctioned eSports, STEAM/STEM, and Robotics programs.

Attachments:

Attachment A - Project Definition

Attachment B - Bond Oversight Committee Resolution

Attachment C - Presentation Slide Deck

Previously adopted Board report(s) referenced:

- In the background [Brd Rpt. 027-21/2](#)
https://drive.google.com/file/d/1zFCTkt0vcebc2R7IQM_bPi64HQMLSWBQ/view?usp=sharing2
dated August 24, 2021.

Informatives:

None

Submitted:

12/1/23

RESPECTFULLY SUBMITTED,

APPROVED BY:

ALBERTO CARVALHO
Superintendent

PEDRO SALCIDO
Deputy Superintendent
Office of the Deputy Superintendent

APPROVED & PRESENTED BY:

APPROVED & PRESENTED BY:

FRANCES BAEZ
Chief Academic Officer
Division of Instruction

SOHEIL KATAL
Chief Information Officer
Information Technology Services

REVIEWED BY:

REVIEWED BY:

DEVORA NAVERA REED
General Counsel

KRISZTINA TOKES
Chief Facilities Executive
Facilities Services Division

___ Approved as to form.

REVIEWED BY:

NOLBERTO DELGADILLO
Deputy Chief Business Officer, Finance
Office of the Chief Business Officer

___ Approved as to budget impact statement.



Information Technology Services Strategic Execution Plan Amendment

Project Definitions and Associated Actions

Attachment A – BOE #135-23/24

Program: Safety, Communications and Security Modernization
Project: Intelligent School Network Controls
Budget: \$5,471,000 (100% Bond)

Introduction

Educators use an assortment of “smart”, internet-enabled, digital devices such as interactive white boards, e-readers, media streamers and holographic glasses for instruction to students. School curriculum now includes programs for STEAM/STEM, robotics, augmented reality / virtual reality, and eSports, which require the use of “smart” devices. Schools may also have health and medical related internet-enabled equipment on campus, including automated external defibrillators.

Furthermore, school site facility managers use “smart” building automation systems (BAS), such as lighting management, HVAC (heating, ventilating, and air conditioning), low voltage (irrigation, power control, etc.), and photovoltaic (solar, battery, energy management, etc.).

An Intelligent School Network Control system enables these “smart”, internet-enabled, digital devices and others to connect to a school's network quickly and securely.

Scope

This project will implement Intelligent School Network Controls through the following actions:

- Create various security policies and procedures to safeguard and to accommodate different types of devices and allow them to securely connect to appropriate network segments.
- Deploy a device classification system to identify and categorize IoT devices for secure connectivity to the District's network.
- Support new network services needed by modern classroom instruction.
- Enable the network to automatically provision appropriate access privileges when new devices connect to the network.
- Provide a self-service portal to assist users with manual device registration that cannot be categorized.

Expected Outcomes

- Provides efficiencies in connecting smart school devices on the local network without requiring lengthy administrative processes to improve the instructional experience.



Information Technology Services Strategic Execution Plan Amendment Project Definitions and Associated Actions Attachment A – BOE #135-23/24

- Accommodates the increase in quantity and type of smart devices for instructional and operational purposes on the network.
- Improves network accessibility, visibility, and cyber security controls.
- Enables the District to comply with requirements to protect student and business information through network segmentation.
- Provides analysis and insights in the performance and security of smart devices to increase network reliability.
- Directly contributes to achievement of LAUSD 2022-2026 Strategic Plan goals to provide high-quality instruction and eliminate opportunity gaps (Pillar 1: Academic Excellence) and modernize infrastructure (Pillar 4: Operational Efficiency).

Schedule

The project will be completed by December 31, 2025.