



Information Technology Division 2018 Strategic Execution Plan



LOS ANGELES UNIFIED SCHOOL DISTRICT

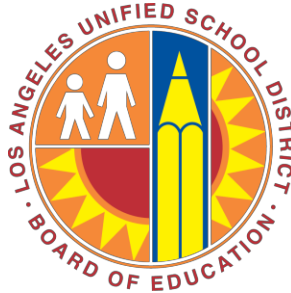
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2018 Information Technology Division Strategic Execution Plan

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2018
STRATEGIC EXECUTION PLAN
OVERVIEW



EXECUTIVE SUMMARY

The Information Technology Division (ITD) is responsible for building and maintaining the technology needed to support 21st century teaching and learning in the Los Angeles Unified School District (LAUSD).

Mission

The mission of ITD is to enable student achievement and operational efficiency through deployment of appropriate technical solutions for our students and their families, our employees, and the community. Included in this deployment are the following bond programs:

- Applications Modernization
 - My Integrated Student Information System (MiSiS)
 - Enterprise Reporting
 - Learning Management System (LMS)
 - Unified Enrollment
 - Food Services Technology Project
- Instructional Technology Initiative (ITI)
- School Network Technology Infrastructure Modernization
 - Core Network – Shared by Schools
 - Local Area Networks
- Safety, Communications, and Security
 - Telecommunications Systems
 - Radio System
- Disaster Recovery and Business Continuity (DR/BC)

Vision

ITD will be customer-focused, proactive, and innovative in providing appropriate and effective technological solutions to facilitate each student's path to college and career readiness.

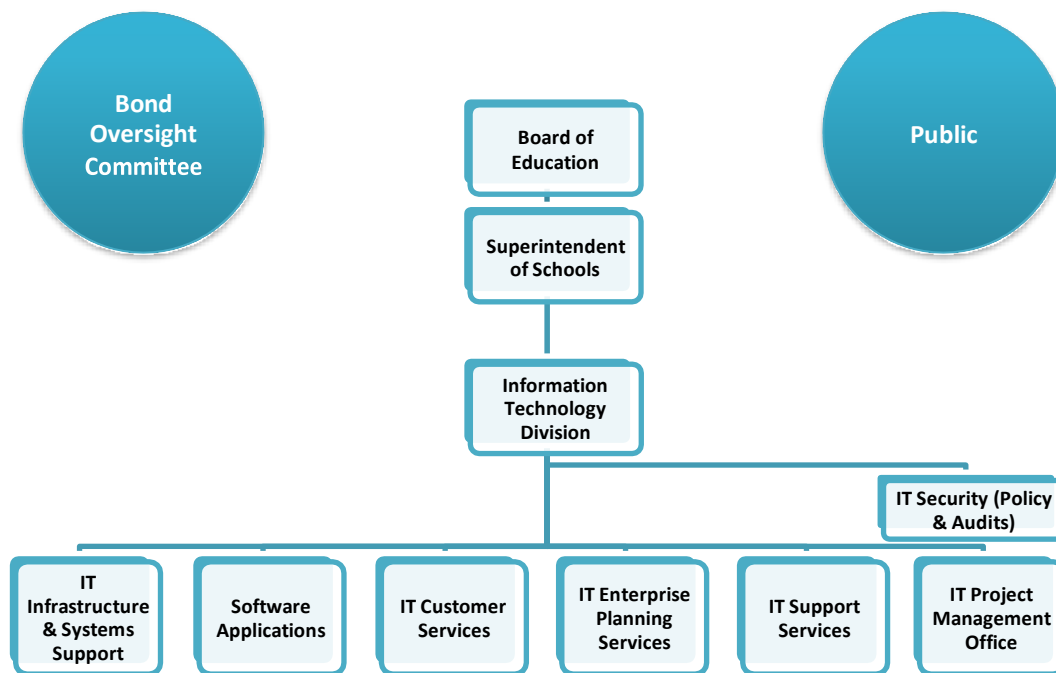
Guiding Principles

ITD aligns efforts to the priorities set forth by the Board of Education and Superintendent. LAUSD, industry, state, and national standards are the foundation of the division's four guiding principles: 1) improving governance and transparency, 2) improving communication and training to help simplify technology, 3) aligning initiatives within the comprehensive enterprise architecture, and 4) supporting and developing staff.

These guiding principles support the following key goals:

- Optimize the information, applications, and communication infrastructure supporting the high-performance 21st century learning environment
- Increase efficiencies and effectiveness thus freeing up resources for the classroom

ITD Organizational Overview



Board of Education

The seven members elected to the Los Angeles Unified School District Board of Education (Board) are responsible for setting District policies, including those that guide the actions of the Information Technology Division. The Board also provides approval during various stages of the projects executed by ITD.

Superintendent of Schools

The Superintendent of Schools, selected by the Board, is responsible for the District's day-to-day operations and execution of Board policy. As part of the Superintendent's cabinet, the Chief Information Officer facilitates development and delivery of technological services and programs to support instruction and increased business operational efficiencies.

School Construction Bond Citizens' Oversight Committee

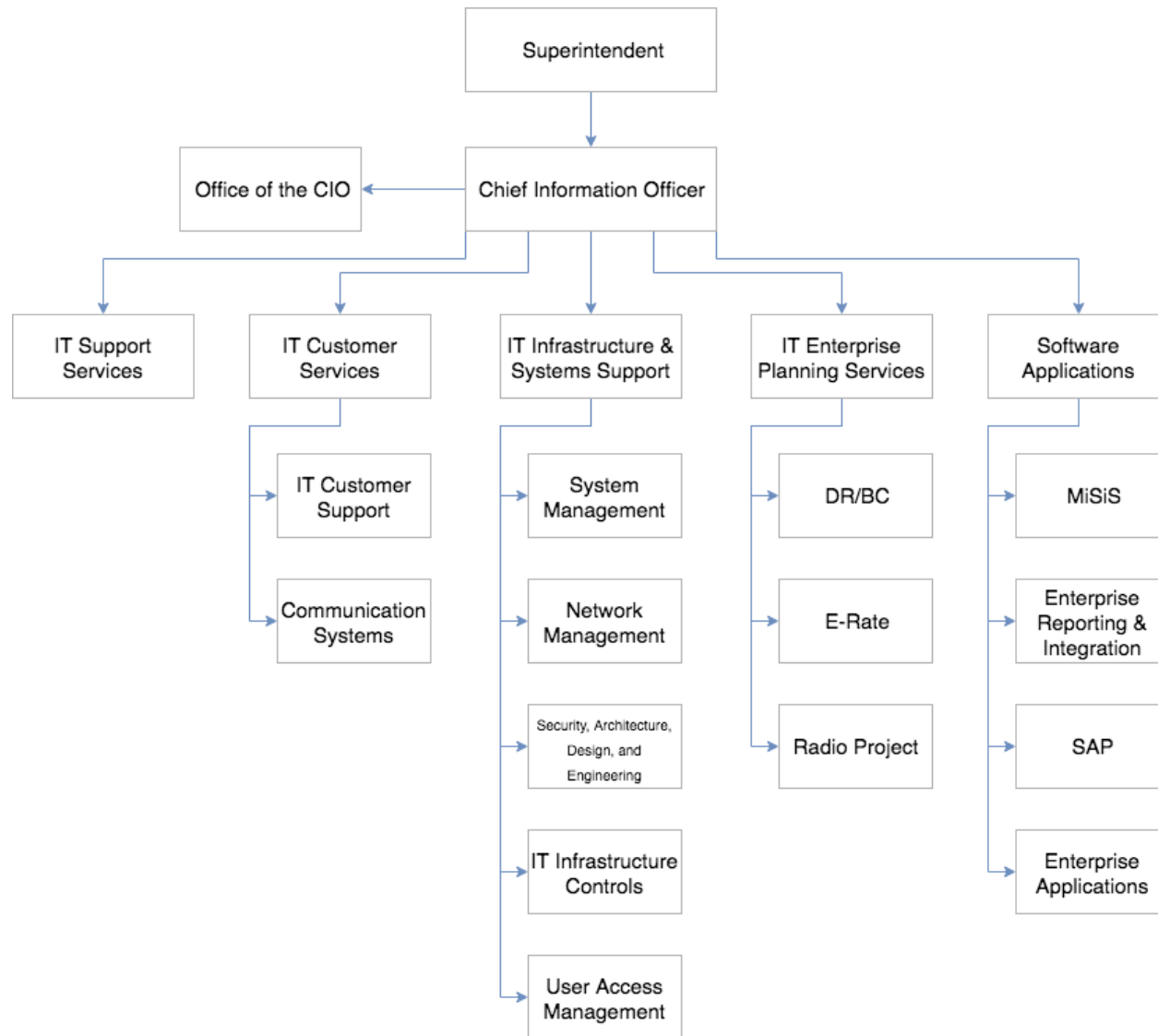
As required under LAUSD voter-approved bond measures, the Board established a Bond Citizens' Oversight Committee (BOC) to review and advise the Board and staff on the efficacy of bond fund expenditures and program development. Committee members represent a broad constituency and provide an independent review of bond-funded programs. The BOC reviews every project funded by local bond measures including project budget, scope, and schedule, prior to action by the Board.

Information Technology Division

The Information Technology Division is responsible for supporting the District's instructional mission and operations through deployment of robust, user-friendly, and cost-effective technology solutions. ITD's seven major branches are:

- 1) **IT Security (Policy & Audits)** is responsible for identifying IT security risks, developing policies, and implementing solutions to help protect the District's information systems and data. Regularly assessing the District's information systems and practices, staff seek to minimize IT risks and ensure compliance with District security policies, industry best practices, and existing laws and regulations.
- 2) **IT Infrastructure and Systems Support** is responsible for all aspects – from conception and architecture (alignment with District goals), through designing, engineering, testing, selecting, implementing, and maintaining the District's IT infrastructure. Staff operate and support the technology infrastructure necessary for instruction, learning, and daily District business.
- 3) **Software Applications** is responsible for maintaining and supporting the applications necessary for daily instruction and learning. Examples of student achievement and student support applications are Student Information, Cafeteria Management and Library Management. Instructional support applications to improve business efficiencies include an enterprise resource planning system responsible for budget, payroll, procurement tracking, and other business functions.
- 4) **IT Customer Services** is responsible for supporting teachers, students, and other staff by deploying "hotline" – telephone and online chat – and field services solutions to help resolve issues related to computing devices, software applications, and communication systems (public address/ intercoms, telephone, radio, local area network, security, etc.).
- 5) **IT Enterprise Planning Services** plans and manages the District's and schools' network capacity and strategy as well as the process seeking additional funding for Internet access through the E-rate program. The Branch also manages the disaster recovery, business continuity, and radio systems upgrade programs.
- 6) **IT Support Services** provides support to all areas of the Division in finance, purchasing, human resources, and other administrative areas.
- 7) The **IT Project Management Office** provides oversight of ITD's project portfolio to ensure proper alignment of projects to District strategy, establish and maintain project management standards, identify cross-project dependencies, provide executive reports on project status, escalate risks and issues for timely resolution to keep projects on track, and capture project learnings for continuous improvement.

Information Technology Division Organization Chart



2018
STRATEGIC EXECUTION PLAN
PROGRAMS



PROGRAM GOALS AND SCOPE

The programs and goals in this Strategic Execution Plan (SEP) align with and support the Superintendent's Strategic Plan "A District on the Move". The SEP consists of five major program areas:

- Enterprise Software Systems
 - My Integrated Student Information System (MiSiS)
 - Enterprise Reporting
 - Learning Management System (LMS)
 - Unified Enrollment
 - Food Services Technology Project
- Instructional Technology Initiative (ITI)
- School Network Technology Infrastructure Modernization
 - Core Network – Shared by Schools
 - Local Area Networks
- Safety, Communications, and Security
 - Telecommunications Systems
 - Radio System
- Disaster Recovery and Business Continuity (DR/BC)

Enterprise Software Systems

My Integrated Student Information System (MiSiS)

Scope

The My Integrated Student Information System (MiSiS) project replaces the legacy student information system. The goal is to provide a single comprehensive system, built on modern technologies, that meets the needs of our teachers, administrators, school-based staff, students, and families. MiSiS provides a unified platform to support critical school activities including student enrollment, master scheduling, grade reporting and transcripts, student athletics, student testing, student support, and program management, among others.

The MiSiS (formerly ISIS) program, is an integrated student information system composed of the following projects:

- K - 12
- Early Education – EESIS – ControlTec
- Adult SIS – AIM
- Special Ed – Welligent
- Reporting – MyData
- Ancillary Functions – Interfacing Systems

My Integrated Student Information System (MiSiS) (continued)

Program and project approvals are as follows:

- BOE #317-12/13
- BOE #107-14/15
- BOE #256-14/15
- BOE #421-14/15
- BOE #497-14/15
- BOE #320-15/16

Expected Outcomes

- A consistent data collection mechanism across schools
- Daily centralized/automated attendance reporting
- Longitudinal student tracking across all grade levels, schools, and programs
- Facilitation of constructive conversations about each student's educational progress among parents/guardians, teachers, and administrators
- Compliance with all applicable special education laws as mandated by the Modified Consent Decree

Schedule

Expected project completion is the 4th Quarter of 2018.

Budget

As of December 31, 2017	Budget	Expenditures	Balance
My Integrated Student Information System	\$174,140,725	\$167,201,071	\$6,939,655

Enterprise Reporting

The goal of Enterprise Reporting is to provide powerful, easy to use ad hoc reporting capabilities allowing users access to authorized data, reports, and data extracts needed without specialized IT assistance.

The Enterprise Reporting Project (BOE #464-16/17) implements the tools, templates, and analytical capabilities necessary to support self-service ad hoc reporting. Self-service Business Intelligence (SSBI) allows teachers, administrators, instructional support staff, and others to access and analyze data necessary to support student learning. In addition to providing self-service ad hoc reporting capabilities, the Enterprise Reporting Project also provides users with analytical dashboards to support their daily activities.

Enterprise Reporting (continued)

Scope

- Implement MiSiS and Welligent Ad Hoc Reporting
- Build subject area self-service ad hoc reporting that includes:

MiSiS

- Student Detail
- Course Enrollment
- Academic Records (Transcripts)
- Attendance
- Marks
- Student Testing and Assessment
- Student Support
- Summer School
- English Learner
- Gifted and Talented Education
- Special Education
- Graduation Progress
- Athletic Eligibility

Welligent

- Individualized Education Programs
- Individual Transition Plans
- Services and Service Providers
- Health and Vaccinations

Related Areas

- Learning Management System Assignments
- Learning Management System Usage History
- Data Quality

- Restructure MyData to serve as the longitudinal data store for student information. This will require restructuring existing data and converting existing BI assets into OBIEE 12c. The following longitudinal subject areas are planned:
 - Enrollment
 - Attendance
 - Course History
 - Assessments
 - Marks
 - English Learner
 - Graduation Standards
 - Suspensions
 - Special Education
- Build Operational Dashboards to support Central Office Functions:
 - Norm Day Enrollment
 - Meal Code Eligibility
 - English Learner Reclassification
 - Graduation Progress
 - Gifted and Talented Education (GATE)
 - Special Education
- Build Dashboards to support education organizational responsibilities:
 - Local Districts
 - Elementary Schools
 - Secondary Schools
 - Teachers

Enterprise Reporting (continued)

Expected Outcomes

- Self Service Reporting
 - Information to help make instruction related decisions
 - School staff report creation without ITD involvement
 - Reduction in costs related to creating and maintaining reports
- Operational Dashboards
 - Consistent metrics between Local Districts, Schools, and Central Office related to student performance.
 - More effective monitoring of student performance
- Strategic Dashboards
 - Information available to leadership when determining policy
 - Greater alignment between performance metrics and strategies
- Dashboards and Reports Catalog
 - Integrated reporting aligned with consent decree requirements
 - Capability to produce custom forms, certificates, and awards at lower cost
 - Powerful tools to produce reports across multiple functional systems
- Data Discovery and Strategic Analytics
 - Tools and data readily available to provide insights on improving educational performance, reducing costs, and gaining operational efficiencies

Schedule

Estimated project completion is the 4th Quarter of 2018.

Budget

As of December 31, 2017	Budget	Expenditures	Balance
Enterprise Reporting	\$8,372,000	\$7,478,851	\$893,149

Learning Management System (LMS)

The Learning Management System (LMS) Project (BOE #464-16/17) is a joint initiative between ITD and the Division of Instruction. The goal of this project is to provide LAUSD K–12th grade classrooms with a comprehensive LMS and online gradebook, which is integrated with LAUSD's existing MiSiS and other online systems such as the LAUSD Parent Portal.

Learning Management System (LMS) (continued)

The LMS project implements a platform that:

- Personalizes learning
- Tracks student grades
- Deploys professional development
- Allows greater teacher collaboration
- Allows teacher/student/parent communication
- Integrates with other instructional tools

The LMS Project builds on the project learnings from LAUSD's Online Gradebook Pilot that began in the 2015- 16 school year (SY). The pilot included 11 schools; additional schools have been allowed to "opt in" each semester since the pilot's inception.

Schools Using the Platform for Online Gradebook

Pilot Schools	Spring 2016	11 Schools
Practitioner Schools	Fall 2016	40 Schools
Opt-In Secondary Schools	Spring 2017	50+ Schools

The Modified Consent Decree (MCD) mandates the online gradebook functionality for secondary schools in the 2017-18 school year and elementary schools in the 2018-19 school year. Implementing the LMS meets the Instructional Technology Initiative Task Force recommendations by allowing teachers to personalize student learning. The LMS is an important tool to help meet several District-wide goals, such as proficiency for all, 100% attendance, and parent, community and student engagement.

The LMS provides new and innovative ways for teachers, students, parents, and school administrators to:

- Access core curriculum and instructional materials
- Track student progress
- Engage students and parents in the educational process
- Collaborate within the school and broader educational community

Scope

- Deploy the online gradebook to schools that did not opt in during the pilot phase, allowing grading between the LMS and MiSiS
- Implement full LMS functionality for secondary schools
- Integrate Parent Portal with Schoology
- Provide robust professional learning opportunities for end-users and school team leaders using a "train the trainers" model
- Develop unified content management integration that enables new curriculum and content to be integrated into the LMS platform

Learning Management System (LMS) (continued)

Expected Outcomes

- District compliance with the MCD requirements for grade entry
- Increased student engagement in a single interactive platform allowing for personalized instruction and continuous learning
- Increased teacher/principal engagement and resource sharing
- Increased parent engagement through increased awareness of student attendance, grades, and other activity
- Additional tool to deploy professional development.

Schedule

Estimated project completion is June 2020.

Budget

As of December 31, 2017	Budget	Expenditures	Balance
Learning Management System	\$25,356,000	\$7,731,759	\$17,984,241

Unified Enrollment

Scope

The Unified Enrollment project (BOE #596-16/17) provides a one-stop online search engine and application system that simplifies the school choice processes for families. The current enrollment period for LAUSD programs is year-round, from October to September. The Unified Enrollment system and processes helps attract new students, retain current LAUSD students, and mitigates the loss of matriculating students by offering an easy way to browse and apply to different schools year-round. The project includes:

- An Integrated Online/paper Application and Enrollment Management Module for:
 - eChoices (Magnets/PWT)
 - Dual Language/Bilingual Programs
 - Schools for Advanced Studies
 - LAUSD "Application" schools
 - *Affiliated Charter Schools**
 - *Option Schools*

**Planned for Phase II – to be brought forward at a later date for approval.*

- A School Search Tool for:
 - eChoices (Magnets/PWT)
 - Dual Language/Bilingual Programs
 - Schools for Advanced Studies
 - LAUSD "Application" schools
 - District K-12 Open Enrollment
 - Incoming Inter-District Permits
 - Early Education Centers
 - Zones of Choice
 - CA State Open Enrollment Act
 - Option Schools
 - Affiliated Charter Schools

Unified Enrollment (continued)

- A Unified Timeline for:
 - eChoices (Magnets/PWT)
 - Dual Language/Bilingual Programs
 - Schools for Advanced Studies
 - LAUSD “Application” schools
 - Zones of Choice

Expected Outcomes

- One-stop online search engine and application system that allows families
 - To locate and save their school program preferences
 - To rank school choices
 - Submit a placement application through <http://apply.lausd.net>
 - Accept or decline placements
- Simplified school choice and application
- Aligns District school selection process with other schools that begin their outreach campaign early in the school year
- Application integrates with Passport for one-time login and seamless integration

Schedule

Estimated project completion is the 2nd Quarter of 2018.

Budget

As of December 31, 2017	Budget	Expenditures	Balance
Unified Enrollment	\$16,683,000	\$5,289,521	\$11,393,479

Food Services Technology Project

The goal of the Food Services Technology project is to improve productivity and increase meal claim reimbursements from the State.

Scope

The Food Services Technology Project:

- Replaces aging and failing point of sale devices and cafeteria manager desktops
- Provides tracking software licenses to help recover equipment in cases of theft and vandalism, thus reducing replacement costs
- Provides 5-year repair/replace warranties to minimize downtime
- Implements a full failover solution ensuring Disaster Recovery and Business Continuity during emergencies.

Food Services Technology Project (continued)

Expected Outcomes

- Increased reporting accuracy
- Decreased or elimination of manual processes
- Increased service line efficiencies and reduced time to serve students

Schedule

- Phases 1 and 2 (BOE #406-15/16) are complete.
- Phase 3 (BOE #462-16/17) expected completion is the 4th Quarter of 2018.

Budget

As of December 31, 2017	Budget	Expenditures	Balance
Food Services Technology Project	\$6,300,000	\$4,876,776	\$1,423,224

Instructional Technology Initiative (ITI)

The Instructional Technology Initiative (ITI) exists to support school leaders District-wide in developing and designing instructional programs to leverage digital tools. The vision of ITI is that all schools use technology as a tool to differentiate and personalize instruction, increase academic rigor, and build student ownership of learning using a portfolio of student-centered school models. ITI's mission is to prepare all students to be digital learners who use technology as a tool for success in college and careers. The initiative's vision and mission is to provision technology, instructional leadership support, and professional development to staff.

Scope and Schedule

The scope of the ITI program includes the following:

- Phase 1 completed in 2014 (BOE #157-12/13) and equipped 47 schools with computing devices; this phase included professional development for staff
- Phase 1L and 2 completed in 2014 (BOE #129-13/14)
 - Equipped students at 38 schools with computing devices and educational content
 - Provided 48,471 keyboards, necessary for on-line testing, to all 2-12 schools
 - Equipped 28,385 school-based administrators and teachers
 - Provided 67,480 devices, for on-line testing, in charging carts to 2-12 schools
 - Equipped students and teachers at seven schools with laptops
 - Provided professional develop and training

Instructional Technology Initiative (ITI) (continued)

- Phase 3 completed in 2015 (BOE #128-14/15)
 - Provided storage carts for all schools that received student devices under phases 1, 1L, and 2
 - Equipped schools, for on-line assessments, with an additional 18,875 computing devices with 537 charging carts
- Phase 4 completed in 2017 (BOE #363-15/16)
 - Provided Ed Tech grants to 242 schools (see Appendix A) to purchase computing devices
- Phase 5 scheduled to complete in Q2 2018
 - Distribute excess computing devices between one-to-one schools
 - Provide storage carts and computing devices to Early Education Centers
 - Provide computing devices to additional schools

Expect Outcomes

- Increase equity and access to computing devices
- Increase potential for individualized learning
- Increases access to on-line instructional resources

Schedule

Original estimated completion was 2nd Quarter of 2018. Estimated schedule completion Q3 2018. Schedule change due to schools delayed completing IT readiness criteria, vendor Chromebook shortages, and challenges purchasing storage and charging stations.

Budget

As of December 31, 2017	Budget	Expenditures	Balance
Instructional Technology Initiative	\$166,377,721	\$163,478,691	\$2,899,030

School Network Infrastructure Modernization Program

The District and schools continue to experience significant network bandwidth growth. Since approval of the first set of projects in June of 2013, school bandwidth usage increased from 17 Gbps to just over 217 Gbps at the time of this SEP update. Based on current growth projections, bandwidth needs will double within the next 18 to 20 months. Schools need to continue to have reliable and available network resources. The School Network Modernization Program addresses this need with two projects:

- 1) Core Network Modernization Project (BOE #317-12/13 and BOE #398-13/14) replaces or upgrades critical network equipment all schools share
- 2) Local Area Network Modernization Projects (BOE #094-14/15 and BOE #168-16/17) replaces aging and obsolete network equipment at 265 schools

Core Network Modernization

The Core Network (referred to as the Wide Area Network or WAN) is the network equipment and software necessary to provide school access to the Internet and educational and business applications. All school network traffic including online assessments, email, educational applications, and the Internet must flow through the District's Core Network. The centralized Network Operations Center (NOC) allows monitoring and management necessary to identify and proactively resolve problems and ensure students and staff available and reliable access to essential instructional resources.

Scope

- Upgrade the District's email, productivity, and collaboration services to a cloud platform
- Implement a single identity management system to provide a uniform process for District-wide user log-in authentication and authorization to access the District network and all District applications
- Implement tools to manage, support, and optimize the school network performance
- Implement Mobile Access Management by channeling all mobile data through a secure, easily managed, and monitored server
- Upgrade or install network equipment to meet instructional bandwidth needs
- Build a shared video solution allowing video storage, viewing, and videoconferencing
- Implement data security solutions to filter inappropriate websites, protect application servers from attacks originating via outside access, and reduce the risk of potential exposure of private/personal data
- Implement an Out of Band Management solution that ensures schools are continually connected to the Internet and allow proactively monitoring to troubleshoot and resolve network issues
- Implement an IP Address planning management system to support the District's use of electronic devices, including, computers, tablets, printers, smartphones, access points, routers, etc.
- Upgrade network equipment between the data centers to meet high-speed server-to-server communication needs between the primary and secondary data centers, network nodes, and schools

Expected Outcomes

- Increased network reliability and availability
- Improved security of the data network
- Increased network bandwidth for students, staff, and support personnel
- Improved management and support of school networks

Schedule

Estimated project completion is the 1st Quarter of 2019.

Budget

As of December 31, 2017	Budget	Expenditures	Balance
CORE Network Project	\$53,439,812	\$41,910,462	\$11,534,796

Local Area Network Modernization

A Local Area Network (LAN) refers to the equipment and cabling inside or between school buildings that provide students, teachers, and staff connectivity to the Internet and instructional resources. LAN equipment has a finite useful life. Life cycle planning and network equipment replacement is critical to ensuring reliability and availability to meet instructional needs.

Scope

The School Network Modernization Program leverages previous investments and controls costs by building on, integrating, and maximizing existing systems. It utilizes the most advanced and proven technologies, while maximizing limited bond and E-rate dollars (a federal program providing discounts to support student access to instructional resources on the Internet).

Expected Outcomes

- Increased network reliability and availability
- Improved security of the data network
- Increased network bandwidth for students, staff, and support personnel

Schedule

- As of December 2017, there are 215 schools scheduled or in the process of receiving network equipment upgrades. The first group of 150 (BOE #094-14/15) are nearing completion with the second group of 65 (BOE #168-16/17) in the planning phase. See Appendix B for the list of schools.
- Estimated project completion for the 65 schools project was 2nd Quarter of 2018. New estimated completion date is Q3 2020. Delays caused by the need to rebid the network equipment and refile for E-rate discounts.

Budget

As of December 31, 2017	Budget	Expenditures	Balance
Local Area Network Project	\$35,361,486	\$24,232,002	\$11,460,124

Safety, Communications and Security Modernization Program

The next set of projects focus on the ability to communicate with students, staff, and other school personnel daily and during times of emergencies. The division focuses on identifying cost-effective solutions necessary to replace aging phone, public address, and radio communication systems.

Telecommunications Projects

Telecommunications services are essential to the District's instructional, instructional support, and safety operations. Schools' current telephone and public address/intercommunications systems are 13-18+ years old and most of the existing cabling is 15-30+ years old. As a result, over 98% of the K-12 schools will have increasing reliability and availability challenges with their telecommunications systems and services. School staff will continue experiencing phone outages and disruptions due to failing equipment and deteriorating cabling. Not only for daily communications, but more importantly, during times of emergencies, staff and students will be at risk of not being able to make calls from or hear announcements in classrooms, in offices, or on other parts of the campus.

Scope

The School Telecommunications Modernization 40 School Project (BOE #464-16/17) replaces obsolete, end-of-life, and failing telephone and public address systems (see Appendix C for the list of schools). At 13 of the 40 schools, the scope includes replacing the obsolete wired network equipment necessary to connect phones to the data network.

Expected Outcomes

- Improved reliability and availability of classroom notification and emergency-oriented school communications services
- Maximized IT investments
- Greater monitoring of equipment and phone failures
- Reduced service and support costs
- Improved operational efficiencies

Schedule

Estimated project completion is the 4th Quarter of 2018.

Budget

As of December 31, 2017	Budget	Expenditures	Balance
Telecommunications Project	\$24,123,000	\$4,665,578	\$19,457,422

Radio Systems Project

The LAUSD Radio Communications System serves as the primary daily voice communication venue for School Police, Bus Operations, and school supervision staff. Maintenance and facilities personnel, truck operations, school safety officers, health and safety staff, school operations, and ITD also use the Radio System. During an emergency or disaster, radio communication is critical at schools, between sites, staff, School Police, and the Emergency Operations Centers (EOCs).

Radio Systems Project (continued)

Radios are in use in all schools and centers, school buses, school police vehicles, and other District owned vehicles. There are close to 20,000 portable radios in use by school staff, police officers safety officers, and other District staff. Most equipment is greater than 6 years old, offers only basic analog voice communications, and has limited interoperability outside of the individual users' group. The District has two radio systems with different frequency bands. The radio system available for emergencies has two bands limiting its effectiveness due to the large number of schools, school police officers, District emergency responders, and supporting staff.

Scope and Schedule

- The Radio Narrowband Project completed in July of 2012 with the upgrade of the District's 450 Mhz radio system including the core equipment and replacing or reprogramming of school, School Police, and emergency operations radios. An FCC mandate required the District to convert the 450MHz channel bandwidth from 25kHz to 12.5 kHz (known as Narrowbanding).
- The Radio Rebanding Project completed in December of 2016 with the exchange or replacement of radios and radio equipment using the 800Mhz frequencies. An FCC mandate required Sprint to fund and move the District to a different set of frequencies (known as Rebanding) to prevent interference with commercial frequencies. Project delayed 10 years because of a required treaty between the US and Mexico, due to overlapping frequencies.
- The Unified Radio Communication System is in the planning phase with an estimated design and requirements completion is 2nd Quarter of 2019. FCC mandates and significant advancements in radio and wireless technologies during the last ten years requires:
 - Gathering and defining requirements
 - Developing an architecture that includes current and future radio and wireless technologies
 - Developing scope and specifications
 - Aligning scope to interoperate and take advantage of other District deployed wireless solutions
 - Analyzing environmental impact
 - Aligning solution to meet FCC requirements
 - Developing bid or Request for Proposal

Expected Outcomes

- Increased radio system reliability and availability
- Increased interoperability with other First Responder Agencies
- Increased interoperability with cellular and wireless technologies
- Unified radio communication system
- Improved in-building coverage

Budget

As of December 31, 2017	Budget	Expenditures	Balance
Radio Project	\$31,656,991	\$20,255,096	\$11,401,895

Disaster Recovery and Business Continuity Program (DR/BC)

The District's mission critical information systems—including student transportation, payroll, food services, facilities, and student information—are dependent upon the operability of the District's applications and technology infrastructure. These systems and applications are located in the Data Center (located at the Downtown Headquarters) which serves as the information hub of for all schools and offices. Prior to the implementation of the Disaster Recovery Program, this was the only data center without redundant or failover capabilities. Any unexpected disaster—such as a fire or earthquake—could have caused severe damage to the infrastructure, crippling all of the District's critical systems and severely impacting operations.

The District's Disaster Recovery and Business Continuity (DR/BC) Program addresses this risk by providing secondary and tertiary data centers maintaining critical applications and technologies to meet operational needs during or after disasters and emergencies. Disaster Recovery refers to the ability of the District to “bounce back” expediently in the event of a disaster. Business Continuity refers to the District's ability to continue operating during a time when critical systems and applications are impacted or not available.

Scope

With only a single data center it could take weeks, months or potentially longer to recover from even a minor disaster. The goal of the DR/BC Program is to reduce that period to less than 24 hours. The program consists of three phases.

- Phase One scope is complete with upgrades to servers, storage, network equipment, and applications running on obsolete mainframe equipment in the main Data Center at the Downtown Headquarters Building.
- Phase Two scope is progressing with the construction complete for the secondary data center in Van Nuys. Installation of remaining storage solution, network equipment, and failure solution to be complete by December of 2018.
- Phase Three implements a tertiary (“disaster recovery”) data center site located out-of-state. This would mitigate risks resulting from a severe earthquake or other emergency and ensure continual educational and business continuity.

Expected Outcomes:

- Reduced risks of lost critical student data
- Decreased time to recover critical applications after major disaster
- Increased operational efficiencies
- Improved business continuity processes and efforts
- Increased protection of critical data

Disaster Recovery and Business Continuity Program (DR/BC) (continued)

Schedule

- Phase One, upgrading the primary data center equipment, applications, and network (BOE #317-12/13), completed in the 2nd Quarter of 2015.
- Phase Two, building the secondary data center, connecting the network and applications, and ensuring transfer of data (BOE #386-13/14) is in progress with anticipation completion in the 4th Quarter of 2018 .
- Phase Three, building the tertiary site, connecting the network and applications, and ensuring transfer of data is expected to begin planning after Phase Two completion with an anticipated 12 month construction schedule.

Budget

As of December 31, 2017	Budget	Expenditures	Balance
Disaster Recovery/Business Continuity	\$73,941,748	\$53,051,697	\$20,890,051

FUNDING/COST

Overview

The Information Technology Division bond program funds projects addressing student, staff, and school stakeholder technology needs. The bond program meets many of the 21st century teaching and learning requirements. New technologies with improved processes increase operational efficiencies, maximize resources, and release funds for classroom instruction. The primary funding sources in the SEP are Measures K, R, Y, and Q. The balance of funds comes from the general budget or Federal E-rate discounts.

Cost Management

Cost management efforts are an integral part of the culture for the team executing and managing the bond program. ITD's systems, policies and procedures, and highly qualified staff provide proper controls, approvals, and reporting of project execution status, costs and funding sources. Using industry best practices staff work to deliver projects within budget, control risks, identify and mitigate and manage unforeseen conditions, and manage scope changes.

Funds Management

The Information Technology Division (ITD) works proactively to maximize available program funds. Projects identify and meet school needs, state mandates, and District policy while taking full advantage of bond funding, general funds, and Federal E-rate discounts.

Source of Funds

The current bond program is valued at approximately \$630 million. The primary funding sources are local bonds totaling approximately \$614 million (97% of total program funding). Other sources include Federal E-rate reimbursements and General Funds.

Information Technology Division Bond Program	
Local Bond Funds	
Measure K	\$9,147,417
Measure R	\$294,377,970
Measure Y	\$55,436,533
Measure Q	\$255,396,357
Total Local Bond Funds	\$614,358,277
Other Funds	
E-rate Discounts	\$10,053,905
General	\$5,730,293
Total Other Funds	\$15,784,198
TOTAL SOURCES	\$630,142,475

E-Rate Discounts: contractors are paid directly by the Federal Program. The District does not receive the dollars directly.

Uses of Funds

The chart below identifies commitments and expenditures by program through December 31, 2017.

Program	Approved Budget	Expenditures/ Encumbrances	Balance
MiSIS	\$174,140,725	\$167,201,071	\$6,939,655
Enterprise Reporting	\$8,372,000	\$7,478,851	\$893,149
Learning Management System	\$25,356,000	\$7,371,759	\$17,984,241
Unified Enrollment	\$16,683,000	\$5,289,521	\$11,393,479
Food Services Technology Upgrade	\$6,300,000	\$4,876,776	\$1,423,224
Instructional Technology Initiative	\$166,377,721	\$163,478,691	\$2,899,030
Core Network Upgrades	\$53,439,812	\$41,910,462	\$11,534,796
School Local Area Network Modernizations	\$35,692,126	\$24,232,002	\$11,460,124
School Telecommunications Modernization	\$24,123,000	\$4,665,578	\$19,457,422
Radio Systems	\$31,656,991	\$20,255,096	\$11,401,895
Disaster Recovery and Business Continuity	\$73,941,748	\$53,051,697	\$20,890,051
Virtual Learning Complex Planning	\$4,000,000	\$3,898,377	\$101,623
TOTAL*	\$620,088,569	\$503,709,881	\$116,378,689

**E-rate discounts not included*

MANAGEMENT

The Information Technology Division's management team consists of highly skilled program and project professionals with years of experience in deployment and installing technological solutions. Included on these teams are engineers with extensive experience in the District's information technology infrastructure and data systems. The programs' staff operates on three basic principles:

- Accountability
- Solution-oriented decision processes
- A commitment to continuous improvement

Program Management

The bond program management team plans and executes projects. Specifically the project managers perform the following functions:

- **Design Oversight** – Coordinate and maintain quality assurance of engineering professionals' efforts to ensure compliance with industry and District specifications, objectives, and policies
- **Procurement** – When applicable, contract for design and installation services by working with legal and procurement staff to ensure the use of appropriate contracting vehicles and adherence to federal, state, and local laws and policies; contract types include, but are not limited to, California Multiple Award Schedule (CMAS) contracts, public works, professional services, and other competitively bid procurement contracts
- **Construction/Installation Management** – Coordinate and maintain quality assurance of installation contractors and in-house technicians; ensure that specifications, objectives, and policies are utilized; deficiencies and claims are minimized; and all required documentation is completed and delivered to the appropriate District divisions
- **Cost Management** – Manage programs and budgets to ensure that program resources are optimized and that funds are properly allocated

Design Guidelines

The LAUSD Project Design Guidelines articulate the basic tenets included in the design of all information technology projects. These are:

- Right-size the solution
- Standardize equipment (where possible) to reduce maintenance and support costs
- Upgrade and replace equipment that is at its "end-of-life" to reduce maintenance costs due to high failure rates
- Design for the long term and consider life cycle costs
- Maximize the use of space by centralizing data, voice, and video systems
- Design for convergence, allowing multiple solutions to be addressed at once, thus reducing installation and long term maintenance cost
- Design for flexibility
- Specify affordable, durable, sustainable materials and equipment

Reporting

ITD provides full disclosure of its methods, data, and implementation performance for the programs of this Strategic Execution Plan with mandated oversight requirements. The following guidelines outline the Division's reporting standards:

- Establish baseline information on scope, schedule, and budget, then measure current performance against these baseline metrics
- Report to stakeholders in relevant, easy-to-understand reports
- Provide early warning of potential variances from anticipated results so that decision makers are presented with mitigation options in a timely manner
- Post all reports on a District website for ease of distribution

Board of Education and Bond Oversight Committee Reports

Strategic Execution Plan

The annual update outlines the current program status. The plan contains detailed information on projects, including key milestones and schedules, budgets, management and cost controls, and early warning systems. In addition, the annual update identifies last year's performance data and delineates the remaining program activities.

Status Reports

Quarterly reports detail baseline information and project status. Items tracked include project start and completion status, projected expenditures and implementation activities, summary status information by project, and other items of interest.

Exception Reports

Exception reports are presented as needed, focusing on potential problems. Examples of situations generating exception reports are:

- A change order on a project exceeding 10% of the original construction award
- A specific information technology project budget exceeding 5% of the baseline cost

2017

ACCOMPLISHMENTS



DELIVERABLES SUMMARY: 2017

Enterprise Software Systems

My Integrated Student Information System Accomplishments

Deployed MiSiS Bug Fixes And Enhancements

Work Item Type	Count
○ Bug Fixes	1446
○ Enhancement Deployed	788
Total Bugs and Enhancements	2234

Implemented the new MiSiS Key Functional Enhancements

- Weekly screens for Independent Study (IS) to record daily student attendance
- Student enrollment transfer screen
- Student address history screen
- Students with a Health alert in Welligent identified with an "H" on the Student Profile page
- Schoology online gradebook
- Report card for California Content Standards, in addition to updates of all processes and reports that rely upon Elementary grade level marks, such as English Learner Reclassification
- English Learner processes and reports to accommodate the District's administration of the CELDT RETEST
- Nightly interface course transcripts posting for LAUSD Adult School completed courses
- Improved scheduling screen to better serve English Learner and Special Education students
- Special Education Summary screen for students made available to teachers
- Additional features to bolster academic intervention and student support, including implementation of District policy validation rules for student suspensions
- Reports to assist with preparing for and conducting the opening of summer school
- Features to better identify and serve Foster and Homeless students, including a Student Profile alert, partial high school credits, and graduation exemptions tracking and informing

Accomplished the MiSiS Key Technical Enhancements

- Database optimization improvements including compression of two of the largest tables (600+ GB reduction), index movement for largest table, and Phase 1 of 2 data partitioning.
- Adopted software productivity tools, such as App Dynamics to improve production and development efficiency
- Upgraded Telerik user interface to provide better 508/ADA access compliance
- Coordinated successful opening of school year with increased automation of regression testing
- Implemented new District student ID format eliminating birthdate and gender
- Changed release schedule from every two weeks to every three
- Finalized list of MCD requirements

My Integrated Student Information System Accomplishments (continued)

Implemented the following new Certification Rules and Reports

- Enrollment rules for Budget Services (e.g., grade level does not match age requirement)
- Attendance in-seat alignment with school entry and exit dates
- Enrollment rule to track 12th grade students missing leave reason code or year-end flag—impacts graduation rates
- District Drop-out Report/Rule and Lost Transfers (within District) Rule Attendance/PSA
- Graduates and Grade 7-12 Dropouts, Four Year Report
- CALPADS reports for exit reason discrepancies
- Concurrent Enrollment Anomalies Report (rule) for CALPADS
- Added Count Day Indicator flag to all Severity 1 and 2 rules
- Rules for English Learners (e.g., students classified as LEP or IFEP, but never administered CELDT test)
- New certificated Misassignment Report for HR
- New certification for students with missing counselor rule
- New certification for Immunization Data Discrepancies for TE- K
- Notifications for overdue Individualized Education Plans (IEPs) (60, 90, and over 90 days) included in email notification to Office Managers to share with IEP Managers/staff
- Started issuing Principal monthly reports

Implemented the following Parent Portal enhancements

- Transportation bus routes
- Immunization records
- Special Education Individualized Education Plans (IEPs)
- Student discipline information
- California Assessment of Student Performance and Progress (CASSPP) testing reports from State
- Integration with Schoology Gradebook

Unified Enrollment Accomplishments

- Completed Unified Enrollment communications approach by working with engagement groups and establishing the Community Advisory Board composed of parent and community groups.
- Used train-the-trainer approach and presented new process for Unified Enrollment to principals and school staff.
- Completed integrated online/paper Choices brochures for Dual Language Programs, Magnet, and Permits with Transportation (PWT), and distributed to 1,122 schools and 7 District offices.
- Gathered school search criteria from parents, students, community members, and district staff in order to develop a friendlier, more useful School Search Tool.
- Implement Unified Enrollment application (Apply.LAUSD.net) resulting in 83,040 visits in 6 weeks.

Unified Enrollment Accomplishments (continued)

- Completed dashboard allowing principals to view application counts received for Dual Language, Magnets, and PWT.
- Developed an integrated online system to notify parents via email for online submissions and letter for paper submissions.
- Integrated Apply.LAUSD.net with E-CAST and interfaced with MISIS to conduct verifications, rosters, and selection processes in the new Enrollment Management Module of the Apply.LAUSD.net.

Enterprise Reporting Accomplishments

Completed the following Core Analytic Capabilities and Dashboards

- MiSiS Self Service Ad Hoc Reporting Subject Areas
- School Demographics
- Usage Tracking

Completed Role Based and Longitudinal Data Architecture

Completed the following Instructional Subject Areas and Dashboards:

- Graduation Progress
- Multilingual and Multicultural Education (MMED)
- Credit Recovery
- Schoology
- Smarter Balance Assessments
- Certify
- Academic Records/Transcripts
- Conservatory of Fine Arts
- Gifted and Talented Education (GATE)
- Elementary Marks
- Elementary Marks/Common Core Standards
- Elementary Marks/Work Habits
- Schools for Advanced Studies
- Secondary Marks
- Student Graduation Data
- Student Section Attendance
- Student Testing
- Western Association of Schools and Colleges (WASC) Accreditation
- Student Exclusions
- Student and Parent Contact Information

Enterprise Reporting Accomplishments (continued)

Completed the following Student Support Subject Areas and Dashboards

- Attendance
- Homeless
- Foster Youth
- Parent Portal
- Attendance Data Profiles (MyData)
- Monitoring Reports
- Summer School Reports

Completed the following Special Education Subject Areas and Dashboards:

- Active Students and Individualized Education Plan (IEP)
- IEP Services Prescribed
- IEP Timelines and Service Tracking

Completed California Reporting & Accountability Dashboards (MyData)

Completed the following School Operations Subject Areas and Dashboards:

- More Than A Meal (MTAM)
- Mail Merge
- School Technology Assets

Completed Executive / Superintendent Dashboards

Learning Management System Accomplishments

- Completed online gradebook and “Opt-in” pilot.
- Integrated Schoology platform with the LAUSD Parent Portal system.
- Completed RFP to select vendor and enter contract with Schoology, Inc.
- Began system integration with MiSiS to include secondary class rosters, student information, and grade Passback.
- Provided initial and ongoing professional development and training plan for secondary LMS Champion (train the trainers model) and secondary administrators.
- Implemented a multi-tiered implementation support plan that includes direct customer service and online resources.
- Adopted District-wide LMS and online gradebook at secondary schools.
- Began elementary gradebook deployment at select focus schools.

Food Services Technology Project Accomplishments

- Replaced approx. 2,400 Point of Sales (POS) devices at approximately 684 Elementary, Middle and Senior High school cafeteria sites
- Replaced approx. 700 cafeteria desktop servers and 37 field laptops at approximately 684 Elementary, Middle, and Senior High school cafeteria sites

Instructional Technology Initiative (ITI)

Accomplishments

- Provided Ed Tech grants to 242 schools (see Appendix A) to purchase computing devices
- Distributed excess computing devices between one-to-one schools
- Developed and implemented The Practitioner 2.0 Schools model at 18 schools; the model identifies schools that focused on building computational thinking
- Delivered 170 train-the-trainer professional learning sessions to over 3,400 teachers, principals, and other District staff
- Completed first cohort of the Teacher Leader Network training for 21 teachers from various grade spans
- Developed process, criteria, and prerequisites by which additional schools may potentially receive devices to become a 1:1 school; 70 schools submitted their Instructional Technology Plan for review

School Network Infrastructure Modernization Program

Core Network Modernization Accomplishments

- Completed Data Center Monitoring and Management Project that includes the deployment of Bladelogic Network Automation (BNA), Bladelogic Server Automation (BSA), BMC ProactiveNet Performance Monitoring (BPPM); project completion allows:
 - Configuration and compliance management of over 41,000 network devices located in the District's data center and schools
 - Monthly patching of over 300 MiSiS servers for security vulnerabilities
 - Monitoring of over 1000 data center servers and over 50 critical web applications
 - Monitoring ensures that Instructional and enterprise business applications are highly available for use by our students, teachers, staff and the parents/guardians of our students
- Completed Implementation Performance Monitoring & Management of the Wired and Wireless Infrastructure tools and infrastructure; project completion allows:
 - Monitoring and managing 91,636 network wireless access points
 - Monitoring and managing all network switches and wireless controllers
 - Monitoring school bandwidth utilization
- Completed Phase 1 School Video infrastructure implementations for 41 schools; project completion benefits schools by optimizing and caching Internet content helping to improve bandwidth availability

Local Area Network Modernization Accomplishments

- Completed Network Equipment upgrades at 134 of 150 schools (see Appendix B for list of schools)

Safety, Communications and Security Modernization

Telecommunications Projects Accomplishments

- Completed three schools (see Appendix C for list of schools)

Radio Systems Program Accomplishments

- Gathered requirements from School Police and Transportation Divisions for Radio System Upgrades.

Disaster Recovery and Business Continuity Program Accomplishments

- Completed the following at the Secondary Data Center
 - Installed and configured C7000 Blades Servers
 - Installed and configured 3PAR storage
 - Installed and configured Tivoli storage manager server
 - Installed cabling
 - Installed and configured network equipment
 - Installed and configured F5 Load Balancers and Firewalls

2018
STRATEGIC EXECUTION PLAN
APPENDIX



APPENDIX A: ITI PROJECT SCHOOLS

ITI Phase 4 completed in 2017 (BOE #363-15/16): Matching Ed Tech grants provided to 242 schools to purchase computing devices

School Name	Loc Dist	School Match	Bond Budget
107th ST Elementary	S	\$12,500	\$25,000
107th ST STEM Magnet	S	\$5,000	\$10,000
24th Street Elementary	C	\$20,000	\$20,000
28th Street Elementary	C	\$5,000	\$5,000
42nd Street Elementary	W	\$5,000	\$10,000
49th Street Elementary	C	\$5,000	\$5,000
66th Street Elementary	S	\$25,000	\$25,000
68th Street Elementary	S	\$20,000	\$20,000
6th Avenue Elementary	W	\$25,000	\$50,000
75th St. Elementary	S	\$25,000	\$25,000
93rd Street Elementary	S	\$25,000	\$25,000
Academic Leadership Community	C	\$15,000	\$30,000
Academies of Education and Empowerment	S	\$25,000	\$25,000
Adams Middle	C	\$5,000	\$5,000
Alexandria Avenue Elementary	C	\$5,000	\$5,000
Alta Loma Elementary School	W	\$7,500	\$15,000
Ambassador School of Global Education	C	\$15,000	\$30,000
Ambassador School of Global Leadership	C	\$2,500	\$5,000
Angeles Mesa Elementary	W	\$14,500	\$29,000
Arleta High	NE	\$10,000	\$10,000
Arminta Street Elementary	NE	\$5,000	\$10,000
Arroyo Seco Museum Science Magnet	C	\$5,000	\$5,000
Bakewell Primary Center	S	\$10,000	\$20,000
Balboa Gifted/High Ability Magnet	NW	\$2,500	\$5,000
Barton Hill Elementary	S	\$12,500	\$25,000
Bassett Street Elementary	NW	\$12,500	\$25,000
Beckford Charter for Enriched Studies	NW	\$25,000	\$25,000
Belvedere Middle	E	\$4,514	\$9,027
Berendo Middle	C	\$5,000	\$5,000
Brainard Elementary	NE	\$10,000	\$10,000
Bravo Medical Magnet High	E	\$30,000	\$60,000
Bridges Span	S	\$15,000	\$30,000
Bright Elementary	W	\$12,500	\$25,000
Broad Avenue Elementary	S	\$10,000	\$20,000

School Name	Loc Dist	School Match	Bond Budget
Burbank Boulevard	NE	\$35,000	\$35,000
Burbank Middle	C	\$20,000	\$20,000
Burton Street Elementary	NE	\$35,000	\$35,000
Carlos Santana Arts Academy	NW	\$19,500	\$39,000
Carnegie Middle	S	\$5,000	\$5,000
Carpenter Community Charter	NE	\$5,000	\$10,000
Carson Senior High	S	\$40,000	\$40,000
Carson Street Elementary	S	\$12,500	\$25,000
Carson-Gore Academy	W	\$32,500	\$65,000
Carver Middle	C	\$5,000	\$10,000
Castelar Elementary	C	\$5,000	\$5,000
Castle Heights Elementary	W	\$5,000	\$10,000
Castro Middle	C	\$5,000	\$5,000
Charles H. Kim Elementary	C	\$5,000	\$5,000
Charles Maclay Middle	NE	\$10,000	\$20,000
City Terrace Elementary	E	\$17,500	\$35,000
Cleveland Humanities Magnet High	NW	\$2,500	\$2,500
Clifford Math and Technology Magnet	C	\$5,000	\$5,000
Coeur d'Alene Avenue	W	\$22,528	\$45,056
Cohasset Elementary	NW	\$12,500	\$25,000
Coldwater Canyon Elementary	NE	\$30,000	\$60,000
Colfax Charter Elementary	NE	\$17,500	\$35,000
Columbus Middle	NW	\$26,000	\$26,000
Commonwealth Ave. Elementary	C	\$20,000	\$40,000
Communication and Technology School	S	\$5,000	\$5,000
Contreras Learning Complex	C	\$27,500	\$55,000
Contreras School of Social Justice	C	\$35,000	\$70,000
Cortines School of VAPA	C	\$5,000	\$5,000
Dahlia Heights Elementary	C	\$5,000	\$5,000
Dayton Heights Elementary	C	\$2,500	\$5,000
Denker Avenue Elementary	S	\$22,168	\$22,168
Dixie Canyon Community Charter	NE	\$17,500	\$35,000
Dolores Elementary	S	\$12,000	\$12,000
Dolores Huerta Elementary	C	\$2,500	\$5,000
Dorris Place Elementary	C	\$2,500	\$5,000
Dorsey High	W	\$27,500	\$55,000
Dyer Street Elementary	NE	\$5,000	\$5,000
El Dorado Elementary	NE	\$5,000	\$10,000
El Sereno Middle	E	\$32,916	\$65,831

School Name	Loc Dist	School Match	Bond Budget
Encino Charter Elementary	NW	\$25,000	\$25,000
Erwin Elementary	NE	\$15,000	\$30,000
Esperanza Marquez Social Justice	E	\$4,514	\$9,027
Estrella Elementary	C	\$12,500	\$25,000
Figueroa Street Elementary	S	\$25,000	\$25,000
Fleming Middle	S	\$5,000	\$5,000
Franklin Senior High	C	\$20,000	\$40,000
Fries Avenue Elementary	S	\$25,000	\$25,000
Gage Middle	E	\$17,500	\$35,000
Garden Grove Elementary	NW	\$5,000	\$5,000
Garvanza Elementary	C	\$5,000	\$5,000
Gault Street Elementary	NW	\$5,000	\$5,000
Glassell Park Elementary	C	\$2,500	\$5,000
Gledhill Elementary	NW	\$17,500	\$35,000
Gompers Middle	S	\$15,000	\$30,000
Gridley Street Elementary	NE	\$5,000	\$10,000
Griffith Joyner Elementary	S	\$12,500	\$25,000
Grover Cleveland Charter High	NW	\$2,500	\$2,500
Gulf Avenue Elementary	S	\$12,500	\$25,000
Haddon Avenue STEAM Academy	NE	\$20,000	\$20,000
Hale Charter Academy	NW	\$17,500	\$35,000
Halldale Avenue Elementary	S	\$12,500	\$25,000
Harmony Elementary	C	\$5,000	\$5,000
Haskell Elementary & STEM Magnet	NW	\$30,000	\$30,000
Hawkins CDAGS	W	\$27,700	\$55,400
Hawkins CHAS	W	\$19,500	\$39,000
Hawkins RISE	W	\$22,300	\$44,600
Haynes Charter for Enriched Studies	NW	\$12,500	\$25,000
Highland Park High	C	\$2,500	\$5,000
Hilda Solis Learning Academy	E	\$12,500	\$25,000
Hillside Elementary	E	\$12,500	\$25,000
Hobart Elementary	C	\$5,000	\$5,000
Holmes Middle	NW	\$25,000	\$25,000
Hope Street Elementary	E	\$26,500	\$53,000
Hubbard Elementary	NE	\$7,500	\$15,000
Humanities and Arts Academy LA	S	\$10,000	\$10,000
Huntington Park Elementary	E	\$4,514	\$9,027
Irving STEAM Magnet	C	\$80,000	\$80,000
Ivanhoe Elementary	C	\$17,500	\$35,000

School Name	Loc Dist	School Match	Bond Budget
Jordan High	S	\$20,000	\$40,000
Judith F. Baca Arts Academy	S	\$5,774	\$11,548
Kahlo High	C	\$5,000	\$5,000
King, Jr. Elementary	C	\$2,500	\$5,000
Knox Elementary	S	\$8,500	\$17,000
La Salle Avenue Elementary	W	\$18,750	\$37,500
LaMotte Elementary School	C	\$20,000	\$40,000
Lanai Road Elementary	NW	\$15,000	\$30,000
Lankershim Elementary	NE	\$10,000	\$10,000
Lassen Elementary	NW	\$15,000	\$30,000
LeConte Middle	W	\$20,000	\$40,000
Lee Medical Health Magnet Elementary	C	\$30,000	\$60,000
Leland St. Elementary	S	\$12,500	\$25,000
Lexington Avenue Primary Center	C	\$5,000	\$5,000
Lillian Street Elementary	E	\$26,500	\$53,000
Lockhurst Drive Charter Elementary	NW	\$15,000	\$30,000
Lomita MST Magnet	S	\$12,500	\$25,000
London Continuation	NE	\$5,000	\$5,000
Loren Miller Elementary	S	\$18,961	\$18,961
Los Angeles High	C	\$15,000	\$30,000
Los Feliz STEMM Magnet	C	\$5,000	\$5,000
Madison Middle	NE	\$50,000	\$100,000
Malabar Street Elementary	E	\$25,000	\$50,000
Manchester Avenue Elementary	S	\$2,500	\$5,000
Markham Middle	S	\$7,303	\$14,605
Markham Middle	S	\$15,000	\$30,000
Marlton	W	\$40,000	\$40,000
Martha Escutia PC	E	\$24,673	\$49,346
Mayall Academy	NW	\$20,000	\$40,000
McKinley Ave. Elementary	S	\$25,000	\$25,000
Melrose Avenue Elementary	W	\$12,000	\$24,000
Mendez High	E	\$30,000	\$60,000
Michetorena St Elementary	C	\$5,000	\$5,000
Millikan Middle	NE	\$10,000	\$10,000
Monlux Elementary	NE	\$5,000	\$10,000
Monroe High	NW	\$2,500	\$5,000
Montara Ave. Elementary	E	\$65,830	\$65,830
Monterey High	E	\$2,500	\$5,000
Moore MST Academy	S	\$25,000	\$25,000

School Name	Loc Dist	School Match	Bond Budget
Mosk Elementary	NW	\$15,000	\$30,000
Mulholland Middle	NW	\$15,000	\$30,000
Multnomah Elementary	E	\$17,500	\$35,000
Nevin Avenue Elementary	C	\$2,500	\$5,000
New Open World Academy	C	\$5,000	\$5,000
Newmark High	C	\$5,000	\$5,000
Nightingale Middle	E	\$32,916	\$65,831
Normandie Avenue Elementary	C	\$5,000	\$5,000
Norwood Elementary	C	\$5,000	\$5,000
Open Magnet Charter	W	\$25,000	\$50,000
Orchard Acad: Global Studies and Tech	E	\$10,000	\$20,000
Orchard Acad: Magnolia Sci	E	\$10,000	\$20,000
Oxnard Street Elementary	NE	\$10,000	\$10,000
Palms Elementary	W	\$9,000	\$18,000
Patton Continuation High	S	\$5,000	\$5,000
Performing Arts Comm School	S	\$5,000	\$5,000
Plainview Academic Charter Academy	NE	\$10,000	\$10,000
Plasencia Elementary	C	\$5,000	\$5,000
Playa Vista Elementary	W	\$12,500	\$25,000
Plummer Elementary	NW	\$15,000	\$30,000
Portola Middle	NW	\$15,000	\$30,000
Primary Academy for Success	NW	\$21,000	\$21,000
Public Service Community	S	\$5,000	\$5,000
Ranchito Avenue Elementary	NE	\$35,000	\$35,000
Rio Vista Elementary	NE	\$10,000	\$10,000
Ritter Elementary	S	\$12,500	\$25,000
Rogers High	NE	\$5,000	\$5,000
Romer Middle	NE	\$25,000	\$50,000
Roosevelt High	E	\$5,000	\$10,000
Roosevelt High School	E	\$30,000	\$60,000
Roscoe Elementary	NE	\$17,500	\$35,000
Rosemont Avenue Elementary	C	\$5,000	\$5,000
Roybal Learning Center	C	\$5,000	\$5,000
Roybal-Allard Elementary	E	\$4,514	\$9,027
Russell Elementary	S	\$24,500	\$24,500
San Fernando Elementary	NE	\$25,000	\$50,000
San Fernando High	NE	\$25,000	\$50,000
San Fernando Middle	NE	\$10,000	\$10,000
San Jose Street Elementary	NW	\$17,500	\$35,000

School Name	Loc Dist	School Match	Bond Budget
San Pedro High	S	\$40,000	\$40,000
Santee Education Complex	C	\$5,000	\$10,000
Sara Coughlin Elementary	NE	\$2,500	\$5,000
School for the Visual Arts and Humanities	C	\$17,500	\$35,000
School of Business and Tourism: Contreras Learning Comp	C	\$30,000	\$60,000
School of History and Dramatic Arts	C	\$5,000	\$5,000
Sepulveda Middle	NW	\$25,000	\$50,000
Serrania Charter for Enriched Studies	NW	\$25,000	\$25,000
Sherman Oaks Elementary Charter	NE	\$2,500	\$5,000
South Shores Magnet	S	\$10,000	\$10,000
Stagg St. Elementary	NW	\$20,000	\$40,000
Stevenson Middle	E	\$12,500	\$25,000
Stevenson Middle Magnet	E	\$7,500	\$15,000
Sun Valley Magnet	NE	\$5,000	\$10,000
Sunland Elementary	NE	\$10,000	\$10,000
Sunrise Elementary	E	\$26,500	\$53,000
Sutter Middle	NW	\$15,000	\$30,000
Sylmar Elementary	NE	\$17,500	\$35,000
Taft Charter High	NW	\$25,000	\$50,000
Teacher Prep Academy	NE	\$25,000	\$50,000
Telfair Elementary	NE	\$25,000	\$25,000
Thomas Alva Edison Middle	S	\$30,000	\$30,000
Thomas Starr King Middle	C	\$5,000	\$5,000
Topeka Charter for Advanced Studies	NW	\$12,500	\$12,500
Torre Elementary School	S	\$12,500	\$25,000
Towne Avenue Elementary	S	\$9,218	\$9,218
Trinity Street Elementary	C	\$3,750	\$7,500
Tulsa Elementary	NW	\$7,500	\$15,000
Twain Middle	W	\$34,350	\$68,700
UCLA Community	C	\$20,000	\$20,000
Utah Street	E	\$4,514	\$9,027
Van Deene Avenue Elementary	S	\$12,500	\$25,000
Van Nuys High	NE	\$10,000	\$10,000
Vena Avenue Elementary	NE	\$10,000	\$10,000
Venice High	W	\$34,350	\$68,700
Vine Street Elementary	W	\$37,500	\$75,000
Vintage Magnet Elementary	NW	\$10,414	\$20,827
Virgil Middle	C	\$47,500	\$95,000
Vista Del Valle Dual Language Academy	NE	\$20,000	\$40,000

School Name	Loc Dist	School Match	Bond Budget
Walnut Park Middle: Social Justice &Service Learning	E	\$4,514	\$9,027
Walter Reed Middle	NE	\$50,000	\$50,000
Weemes Elementary	C	\$5,000	\$5,000
Welby Way Magnet Elementary	NW	\$20,000	\$40,000
West Vernon Avenue Elementary	C	\$2,500	\$5,000
Western Ave Elementary	W	\$12,500	\$25,000
Westminster Avenue Elementary	W	\$22,528	\$45,056
Wilbur Charter for Enriched Academics	NW	\$15,000	\$30,000
Wilmington Middle School	S	\$15,000	\$30,000
Wooden High	NW	\$10,000	\$10,000
Woodland Hills Elem Charter for Enriched Studies	NW	\$15,000	\$30,000
Woodrow Wilson High	E	\$30,000	\$60,000
Wright Middle STEAM Magnet	W	\$25,000	\$50,000
Total		\$3,704,508	\$6,011,839

APPENDIX B: NETWORK EQUIPMENT UPGRADE PROJECTS

Replace or Upgrade IT Network Equipment Project in Process (150 Schools)

Loc Code	Site Name	Board District	ESC	Anticipated or Actual Completion	Project Budget
5857	107th St EL	7	S	10/19/17	\$217,356
7082	10th St EL	2	C	Q2 2018	\$169,448
5884	112th St EL	7	S	8/24/17	\$108,088
5887	122nd St EL	7	S	8/4/17	\$165,672
3767	15th St EL	7	S	6/20/17	\$127,440
7301	24th St EL	1	C	9/7/17	\$133,104
3959	42nd St EL	1	W	10/13/17	\$67,496
3932	49th St EL	7	C	9/27/17	\$198,004
3795	59th St EL	1	W	10/12/17	\$94,400
6795	68th St EL	7	S	8/9/17	\$202,016
6781	6th Ave EL	1	W	9/29/17	\$163,784
6644	74th St EL	1	W	10/12/17	\$131,452
7398	Alta California EL	6	NW	9/11/17	\$207,444
2082	Alta Loma EL	1	W	9/22/17	\$153,400
2369	Ambdsr-Global Educ (See 7771)	2	C	Q1 2018	\$96,760
7771	Ambdsr-Global Ldshp	2	C	Q1 2018	\$155,288
2123	Angeles Mesa EL	1	W	10/6/17	\$98,884
8852	Angel's Gate HS	7	S	Q2 2018	\$21,240
2151	Annandale EL	5	C	11/14/17	\$71,744
4356	Anton EL	2	E	7/10/17	\$202,252
2164	Apperson EL	6	NE	7/28/17	\$105,256
2178	Aragon EL	5	C	8/4/17	\$99,356
8028	Audubon MS	1	W	10/23/17	\$168,268
8531	Avalon HS	7	S	7/21/17	\$27,140
6886	Baca Arts Acad	7	S	7/18/17	\$159,772
8038	Bancroft MS	4	W	9/29/17	\$204,612
2288	Bandini EL	7	S	9/7/17	\$86,140
8529	Banning SH (Multiple Schools)	7	S	7/25/17	\$608,880
5562	Barrett EL	1	S	8/29/17	\$245,204
3577	Bellingham EL	6	NE	11/20/17	\$138,532
2397	Belvedere EL	2	E	Q1 2018	\$202,488
8047	Belvedere MS	2	E	8/25/17	\$320,016
8057	Berendo MS	2	C	8/9/17	\$245,912
8754	Bravo Medical Mag	2	E	11/2/17	\$439,432
2521	Bridge EL	2	E	11/14/17	\$69,148

Loc Code	Site Name	Board District	ESC	Anticipated or Actual Completion	Project Budget
2534	Broadway EL	4	W	11/7/17	\$107,144
8066	Burbank MS	5	C	9/25/17	\$216,884
8075	Burroughs MS	1	W	8/14/17	\$440,140
2685	Cabrillo EL	7	S	6/22/17	\$98,176
2699	Cahuenga EL	2	C	8/15/17	\$145,612
7401	Cardenas EL	6	NE	8/3/17	\$139,948
8090	Carnegie MS	7	S	11/21/17	\$207,444
8575	Carson SH (Multiple Schools)	7	S	9/5/17	\$620,680
2939	Carson-Gore Academy	1	W	9/8/17	\$154,816
8094	Carver MS	5	C	9/15/17	\$249,452
7761	CDS Johnson (Dorothy V.)	7	S	5/5/15	\$19,116
2959	Chandler EL	3	NE	7/27/17	\$133,812
7715	Chavez LA ARTES (Multiple Schools)	6	NE	11/29/17	\$477,664
3041	Cheremoya EL	4	W	9/22/17	\$68,676
8688	Cheviot Hills HS	1	W	10/30/17	\$22,534
3068	Cienega EL	1	W	10/19/17	\$163,784
3164	Colfax EL	3	NE	Q2 2018	\$154,108
8102	Columbus MS	3	NW	9/6/17	\$186,440
8516	Cortines Sch Of VPA	2	C	7/3/17	\$392,704
8596	Crenshaw SH	1	W	10/19/17	\$252,284
8104	Dana MS	7	S	6/30/17	\$353,056
3397	Delevan Drive EL	5	C	7/6/17	\$120,360
8110	Dodson MS	7	S	6/27/17	\$444,388
3466	Dominguez EL	7	S	7/31/17	\$136,644
8112	Drew MS	7	S	9/25/17	\$239,304
8614	Eagle Rock HS	5	C	11/6/17	\$606,756
8578	Eagle Tree Contn HS	7	S	9/5/17	\$34,220
8788	Earhart HS	3	NE	11/9/17	\$28,792
8113	Edison MS	7	S	8/17/17	\$282,964
8770	Einstein HS	6	NW	9/15/17	\$16,992
8118	El Sereno MS	2	E	8/2/17	\$308,216
3548	Elizabeth LC	5	E	9/18/17	\$421,496
6873	Escalante EL	5	E	9/21/17	\$147,736
2383	Esperanza EL	2	C	11/17/17	\$184,316
2942	Estrella EL	7	C	9/7/17	\$131,688
8876	Evergreen HS	6	NE	10/17/17	\$24,780
3822	Figueroa EL	7	S	8/7/17	\$109,504
8132	Foshay LC	1	C	Q1 2018	\$467,752
8650	Fremont SH	7	S	12/8/17	\$549,644
8137	Frost MS	3	NW	8/30/17	\$363,912
8679	Garfield SH	2	E	9/20/17	\$575,368
8160	Gompers MS	7	S	10/10/17	\$181,012
8168	Griffith MS	2	E	7/26/17	\$337,244

Loc Code	Site Name	Board District	ESC	Anticipated or Actual Completion	Project Budget
8686	Hamilton SH-Complex	1	W	10/27/17	\$709,888
4431	Harding EL	6	NE	7/28/17	\$118,236
4681	Harmony EL	5	C	10/6/17	\$170,864
4466	Hawaiian EL	7	S	6/22/17	\$157,648
8645	Highland Park HS	5	C	6/23/17	\$19,588
8179	Hollenbeck MS	2	E	9/13/17	\$299,956
8182	Holmes MS	3	NW	12/15/17	\$367,216
8652	Hope HS	7	S	12/4/17	\$22,892
2944	Huerta EL	2	C	8/22/17	\$112,336
8189	Irving MS	5	C	7/21/17	\$144,904
2943	Jones EL	2	C	7/12/17	\$86,612
8208	King MS	5	C	7/18/17	\$393,412
8727	King-Drew Med Mag	7	S	8/18/17	\$379,252
6869	Knox EL	7	S	8/7/17	\$224,672
7399	Korenstein EL	6	NE	8/1/17	\$136,408
8501	LA HS Arts @ Rfk	2	C	Q1 2018	\$97,232
2543	Lafayette Park PC	2	C	10/12/17	\$33,512
8217	Lawrence MS	3	NW	8/14/17	\$349,044
8226	Le Conte MS	4	W	9/19/17	\$209,804
8729	LINCOLN SH (Multiple Schools)	2	E	9/25/17	\$379,960
4973	Lorne EL	6	NW	6/20/17	\$138,532
1948	Lowman Sp Ed Ctr	6	NE	11/16/17	\$34,456
5014	Loyola Village EL	4	W	8/9/17	\$91,096
2544	Macarthur Park VPA	2	C	10/10/17	\$127,912
8228	Maclay MS	6	NE	10/26/17	\$206,028
8235	Marina DEL Rey MS	4	W	11/15/17	\$168,976
8425	Mark Twain MS	4	W	11/13/17	\$161,660
8611	Mendez LC Math/Sci	2	E	7/18/17	\$155,996
3500	Midcity Prescott Mag	1	W	9/27/17	\$59,472
8238	Millikan MS	3	NE	11/22/17	\$518,020
8666	Moneta HS	7	S	5/3/16	\$22,534
7402	Mosk EL	4	NW	11/6/17	\$123,192
8916	Mt Lukens HS	6	NE	9/15/17	\$22,420
8264	Nightingale MS	5	E	6/29/17	\$194,228
8513	Northridge Acad SH	3	NW	9/28/17	\$256,768
8283	Northridge MS	3	NW	12/20/17	\$193,520
6868	Obama Gbl Prep Acad	1	C	10/4/17	\$202,960
5153	Orchard Academies	5	E	12/6/17	\$216,412
6005	Park Ave EL	5	E	8/30/17	\$143,724
1953	Perez Sp Ed Ctr	2	E	6/30/17	\$75,992
8909	Phoenix HS	4	W	Q1 2018	\$22,534
8107	Portola MS	4	NW	8/28/17	\$430,700
8731	Pueblo De La HS	2	E	9/25/17	\$21,948

Loc Code	Site Name	Board District	ESC	Anticipated or Actual Completion	Project Budget
8807	Ramona HS	2	E	6/21/17	\$22,534
7783	Rfk New Open Wld Acad	2	C	10/24/17	\$270,692
5385	Riordan PC	5	C	10/24/17	\$59,708
8867	Rivera LC (SRHS #2 Multiple Sites)	7	S	11/29/17	\$105,256
8702	San Antonio HS	5	E	8/4/15	\$24,544
8850	San Pedro SH	7	S	7/13/17	\$645,224
7404	Santana Arts Academy	6	NW	9/27/17	\$136,880
8206	Sch Vis Arts/Hum @ Rfk	2	C	Q1 2018	\$106,908
8363	Sepulveda MS	6	NW	10/16/17	\$383,500
6671	Shenandoah EL	1	W	8/25/17	\$113,516
6753	Sierra Park EL	2	E	Q1 2018	\$115,640
6905	Stanford PC	5	E	8/25/17	\$37,288
8396	Sun Valley MS	6	NE	10/19/17	\$246,856
8093	Sun Valley SH	6	NE	11/16/17	\$148,444
8406	Sutter MS	4	NW	10/5/17	\$270,692
8883	Thoreau HS	4	NW	12/11/17	\$24,780
7178	Toland Way EL	5	C	8/16/17	\$86,376
8606	Torres HS (Multiple Schools)	2	E	12/22/17	\$528,404
7260	Tweedy EL	5	E	8/29/17	\$159,064
7780	UCLA Community Sch	2	C	Q1 2018	\$238,124
7390	Valley Altern Mag	3	NW	11/8/17	\$142,780
7400	Vista Del Valle Acad	6	NE	12/6/17	\$106,672
8481	Webster MS	4	W	11/7/17	\$122,720
2542	White EL	2	C	10/16/17	\$81,656
8487	White MS	7	S	7/28/17	\$398,840
8490	Wilmington MS	7	S	7/20/17	\$343,616
6872	Wisdom EL	7	S	8/11/17	\$221,604
8493	Wright MS	4	W	8/1/17	\$153,164
8598	Young HS	1	W	10/26/17	\$9,204

Replace or Upgrade IT Network Equipment Project in Planning (65 Schools)

Loc Code	Site Name	Board District	ESC	Anticipated Completion	Project Budget
7722	Angelou Comm Fn Arts	7	C	Q2 2018	\$119,306
2269	Balboa G/Ha Mag (EL)	3	NW	Q1 2018	\$99,862
2438	Bertrand EL	6	NW	Q4 2017	\$99,862
6867	Bridges School	7	S	Q3 2018	\$144,236
2740	Canfield EL	1	W	Q4 2017	\$98,263
3123	Clover EL	1	W	Q4 2017	\$101,513
6342	Coeur D Alene EL	4	W	Q4 2017	\$105,708
5016	Coughlin EL	6	NE	Q4 2017	\$112,173
3329	Dahlia Hts EL	5	C	Q1 2018	\$99,862
3340	Darby Ave Charter (EL)	3	NW	Q1 2018	\$88,513
3438	Dixie Cyn Comm Chtr (EL)	3	NE	Q2 2018	\$99,862
7667	Dymally SH	7	S	Q3 2018	\$101,509
3545	El Oro Way Chtr Ces	3	NW	Q4 2017	\$157,903
3640	Eshelman EL	7	S	Q4 2017	\$109,612
3890	Florence Ave EL	7	E	Q2 2018	\$98,896
4055	Garden Grove EL	6	NW	Q4 2017	\$88,513
4110	Gault St EL	3	NW	Q4 2017	\$88,513
2385	Gratts LA For YS	2	C	Q1 2018	\$98,263
4425	Harbor City EL	7	S	Q1 2018	\$109,612
8713	Hawkins SH C/DAGS	1	W	Q3 2018	\$154,613
4473	Haynes CES	3	NW	Q1 2018	\$99,862
4616	Humphreys Ave EL	2	E	Q4 2017	\$98,896
4671	Ivanhoe EL	5	C	Q1 2018	\$99,862
2311	Poindexter Lamotte EL	1	C	Q2 2018	\$118,280
4764	Lanai Rd EL	4	NW	Q2 2018	\$99,862
2312	Lawson Academy	1	W	Q3 2018	\$118,280
8921	Legacy SH STEAM	5	E	Q3 2018	\$152,417
4904	Logan St EL	5	C	Q4 2017	\$110,244
4982	Los Angeles EL	2	C	Q1 2018	\$98,896
4986	Los Feliz EL	5	C	Q2 2018	\$109,612
5068	Main St EL	7	C	Q2 2018	\$98,896
8866	Marquez SH HPIAM	5	E	Q3 2018	\$148,754
5178	Marvin EL	1	W	Q4 2017	\$98,896
5247	Menlo Ave EL	1	C	Q3 2018	\$98,896
8760	Middle College HS	1	W	Q3 2018	\$94,360
2313	Moore M/S/T Acad (EL)	7	S	Q3 2018	\$77,768
5411	Mt Washington EL	5	C	Q4 2017	\$99,862
5425	Multnomah St EL	2	E	Q3 2018	\$109,612

Loc Code	Site Name	Board District	ESC	Anticipated Completion	Project Budget
5438	Murchison St EL	2	E	Q2 2018	\$110,244
5173	Nava LA Sch	2	C	Q2 2018	\$134,646
5452	Nestle Ave Charter (EL)	4	NW	Q1 2018	\$99,862
2378	Nueva Vista EL	5	E	Q1 2018	\$137,739
2302	Obama EL	6	NE	Q3 2018	\$90,111
6068	Pinewood Ave EL	6	NE	Q4 2017	\$98,263
2306	Playa Vista EL	4	W	Q3 2018	\$81,269
2384	Politi EL	2	C	Q1 2018	\$110,244
2303	Porter Ranch School	3	NW	Q2 2018	\$97,332
8868	Rancho Dominguez Prep	7	S	Q1 2018	\$125,153
2308	Ride EL Smart Acad	5	C	Q3 2018	\$77,768
6315	Riverside Dr CS (EL)	3	NE	Q3 2018	\$145,994
6370	Rosemont Ave EL	2	C	Q1 2018	\$123,244
6425	Rowan Ave EL	2	E	Q2 2018	\$98,896
6884	Roybal-Allard EL	5	E	Q3 2018	\$138,027
6493	San Pascual EL	5	C	Q2 2018	\$109,612
6699	Sherman Oaks EL CS (EL)	3	NE	Q1 2018	\$94,993
8577	Sotomayor LA LARS	5	C	Q2 2018	\$119,306
6918	State St EL	5	E	Q2 2018	\$110,244
7408	Sylmar Ldshp Acad (MS)	6	NE	Q3 2018	\$138,750
7192	Toluca Lake EL	4	NE	Q4 2017	\$98,263
7370	Utah St EL	2	E	Q2 2018	\$110,244
8898	Valley Acad Arts/Sci	3	NW	Q1 2018	\$185,970
8943	Wesm Hlth/Sports Med (HS)	4	W	Q3 2018	\$142,056
7699	Westminster Ave EL	4	W	Q4 2017	\$98,263
2309	Willow Ave EL	5	E	Q2 2018	\$78,361
7904	Woodlawn Ave EL	5	E	Q1 2018	\$98,896

APPENDIX C: TELECOMMUNICATION PROJECT SCHOOLS

School Telecommunications Modernization Project (40 Schools)

Loc Code	Site Names	Board District	ESC	Actual or Est. Completion	Project Budget	2018 Erate Application
3808	52nd St EL	1	W	Q1 2018	\$483,450	
5111	Alexander Sci Ctr Sch	1	C	Q4 2018	\$537,130	\$55,037
2041	Alexandria EL	2	C	Q4 2017	\$388,163	
6426	Amanecer PC	2	E	Q1 2018	\$166,516	
8529	Banning SH/Avalon HS	7	S	Q2 2018	\$1,167,199	
8536	Bell SH	5	E	Q4 2018	\$1,487,306	
2706	Calahan Comm Chtr	3	NW	Q4 2018	\$644,435	\$45,572
8730	CDS West Hollywood	4	W	Q4 2017	\$132,682	
3014	Chase EL	6	NW	Q4 2018	\$829,939	\$54,813
7432	Columbus Ave EL	6	NE	Q4 2017	\$314,280	
8102	Columbus MS	3	NW	Q2 2018	\$569,762	
3260	Cowan Ave EL	4	W	Q2 2018	\$274,232	
2386	Del Olmo EL	2	C	Q1 2018	\$388,163	
8600	Dorsey SH/View Park HS	1	W	10/23/17	\$671,264	
8738	Downtown Bus Mag	2	C	Q1 2018	\$166,516	
3545	El Oro Way Chtr	3	NW	Q3 2018	\$274,232	
8132	Foshay LC	1	C	Q2 2018	\$825,299	
8664	Gardena SH/Moneta HS	7	S	Q3 2017	\$1,028,247	
4068	Gardner EL	4	W	Q2 2018	\$268,017	
4295	Gridley EL	6	NE	Q4 2017	\$443,402	
4681	Harmony EL	5	C	Q4 2017	\$403,353	
4692	Justice St Acad Chtr	3	NW	Q4 2017	\$274,232	
4781	Lankershim EL	3	NE	Q1 2018	\$341,900	
1947	Lokrantz Sp Ed Ctr	3	NW	Q4 2017	\$187,921	
4973	Lorne EL	6	NW	Q2 2018	\$329,471	
7220	Maple PC	2	C	5/31/17	\$211,906	
5192	Mar Vista EL	4	W	Q4 2018	\$693,334	\$47,751
8259	Mulholland MS	3	NW	Q3 2018	\$1,121,834	\$104,153
8268	Nimitz MS	5	E	Q4 2018	\$1,878,641	\$137,958
2378	Nueva Vista EL	5	E	Q3 2018	\$483,450	
1953	Perez Sp Ed Ctr	2	E	Q2 2018	\$489,665	
3247	Plasencia EL	2	C	Q4 2018	\$984,992	
6158	Purche EL	1	S	Q1 2018	\$381,948	
1917	Riley HS/Compton EL	7	S	Q3 2018	\$1,042,657	

Loc Code	Site Names	Board District	ESC	Actual or Est. Completion	Project Budget	2018 Erate Application
7356	Union Ave EL	2	C	Q3 2018	\$978,778	
7521	Victory Blvd EL	6	NE	Q4 2018	\$772,698	\$33,399
8748	West Adams Prep SH	2	C	8/12/17	\$785,194	
1957	Willenberg Sp Ed Ctr	7	S	Q3 2018	\$788,652	\$8172
7822	Windsor M/S Aero Mag	1	W	Q3 2018	\$711,834	\$45,688
8948	Youth Opp Unltd Alt HS	1	S	Q1 2018	\$200,350	