LOS ANGELES UNIFIED SCHOOL DISTRICT

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2013 Information Technology Division

Strategic Execution Plan

LOS ANGELES UNIFIED SCHOOL DISTRICT
Information Technology Division
333 S. Beaudry Ave., 10th Floor, Los Angeles CA 90017

October 30, 2013

Dear students, families, employees and LAUSD community members:

It is with tremendous enthusiasm that I introduce to you the Information Technology Strategic Execution Plan for 2013-14. Our Superintendent and Board of Education had the foresight to recognize the need to transform our classrooms into modern learning centers that will prepare every student for success in the 21st century workforce. After a great deal of planning, analysis, and hard work, this plan represents the comprehensive roadmap needed to make this vision a reality.

Technology is widely regarded as a great equalizer that opens up doors for citizens from all walks of life. As a District, we are now ready to apply that concept to revolutionize how teaching and learning takes place in our schools. I am thrilled to support the vision of educational leaders who are asking for this change and proud to lead a team of hard working and highly capable employees who are committed to supporting this mission and making it happen.

I am excited and honored to play a role in the sweeping transformations taking place and look forward to the astounding opportunities they will create—not for some—but for *all* of our students.

Respectfully yours,

Ronald S. Chandler
Chief Information Officer

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OVERVIEW

EXECUTIVE SUMMARY

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

Mission

We enable student achievement and operational efficiency through deployment of appropriate technical solutions for our students and their families, our employees, and the community. This includes the following bond programs:

- Classroom Technology Modernization Program
- School Network Modernization Program
- Safety, Communications and Security Modernization Program
- Enterprise Business Systems Optimization Program (*not bond funded)*
- Student Information Systems Modernization Program
- Disaster Recovery and Business Continuity Program

Vision

We are a high performing, customer-focused, proactive, and innovative division that supports the needs of LAUSD, providing appropriate and effective technological solutions to facilitate each student's path to college and career readiness.

Guiding Principals

Everything we do in the Information Technology Division is aligned to the priorities set by the Board of Education, Superintendent, and is in concert with industry, state, and national standards. Four guiding principals for our division guide our work: 1) improving governance and transparency, 2) making IT easier to understand and work with, 3) aligning our initiatives to a comprehensive enterprise architecture, and 4) the support and development of the people who make it happen. Through these principals, we strive to accomplish the following key goals:

- Optimize the information and communication infrastructure needed to support a high-performance 21st century learning environment
- Increase efficiencies and effectiveness freeing up resources for the classroom.

Organizational Overview

The Los Angeles Unified School District and the Information Technology Division are organized as follows:

Board of Education

The seven members elected to the Los Angeles Unified School District Board of Education are responsible for setting District policies including those that guide the actions of the Information Technology Division (ITD). The Board of Education 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 day-to-day operations and executing Board policy. Part of the Superintendent's cabinet, the Chief Strategy Officer oversees the District's strategic planning and guides execution of programs designed to support instruction and increase operational efficiency. Reporting directly to the Chief Strategy Officer, the Chief Information Officer leads the Information Technology Division.

School Construction Bond Citizens' Oversight Committee

As required under LAUSD voter-approved bond measures, the Board has established a Bond Citizens' Oversight Committee (BOC) to advise 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 also reviews every project funded by local bond measures including budget, scope, and schedule prior to action by the Board of Education.

Information Technology Division

Led by the Chief Information Officer, the Information Technology Division is responsible for supporting the District's instructional mission and operations through deployment of the most current, robust, user-friendly, and cost-effective technology solutions. There are four key areas within the division:

1) **IT Finance and Administration**, which provides support to all areas of the division in terms of finance, purchasing, human resources, communications, and other areas;

2) **Technology Services and Support**, which manages telecommunications and provides technology customer support services for the District;

3) **IT Program Management Office and Enterprise Systems**, which ensures best practices in project and organizational change management for all technology related projects as well as governing all enterprise applications on which the District relies for instruction and operations; and

4) **IT Infrastructure and Systems Support**, which is responsible for all aspects – conception, architecture (alignment with District goals), design and engineering, testing, selection,

implementation and maintenance – of the District's IT infrastructure as well as Capital Management. Though many of the functions delivered by this group are not directly visible to school users, the group's efforts are critical to the proper functionality of every piece of classroom technology and business systems throughout the District.

The organizational chart below shows the primary functions included in each of the four areas of ITD.

Information Technology Division Organizational Chart

Chief Information Officer
Ronald Chandler

IT Finance and Administration
Daphne Cogndon

- Finance
- Communications
- Contracts
- Human Resources
- IT Asset Management and Warehouse
- Effectiveness and Strategic Analysis
- Telecom Billing and Cellular Services

Technology Services and Support
Themy Sparangis

- Telecommunications
- Computer Repair
- IT HelpDesk
- Local Area Network Maintenance

IT Program Management and Enterprise Systems
Marvin Cruz

- IT Program Management Office
- Enterprise Applications
- Business Applications Supporting Education
- Student Information Systems

IT Infrastructure and Systems Support
Shahyrar Khazei

- Security Architecture Design and Engineering
- IT Infrastructure and Capital Projects
- Network Operations
- Systems Support and Continuity
- Data Center Operations

2013 STRATEGIC EXECUTION PLAN

PROGRAMS

Program Goals and Scope

The respective goals and scope for the Classroom Technology Modernization Program; the School Network Modernization Program; the Safety, Communications, and Security Modernization Program; the Student Information Systems Optimization Program; and the Disaster Recovery and Business Continuity Program are detailed in this section.

Classroom Technology Modernization Program

The Classroom Technology Modernization Program is a technology-enabled learning environment that promotes active engagement of students in their studies and immediate timely information access for their families, educators, and administrators. The program is implemented by a provision of a computing device for every student and every teacher and rests on a modern infrastructure capable of supporting the 21st century learning systems in the present as well as into the future.

The key components of the program include investment in:

- Classroom technology devices;
- A learning management system that delivers online lesson plans and instructional tools;
- Upgrades to the District's email systems that allows all LAUSD stakeholders to communicate more effectively;
- School networks capable of transporting educational content from the internet into the classroom and from teachers to students as well as among groups of students; and
- Improvements to the District's centralized network infrastructure to capture and transmit information critical to teachers and administrators.

COMMON CORE TECHNOLOGY PROJECT (CCTP)

The District's mission is focused on the rights of our students to gain an education that prepares them for success in the 21st century global work environment. To honor these rights, the learning environment and the manner in which instruction is delivered and received is in a process of major transformation. The **Common Core State Standards (CCSS)** provide a driving force for much of this transformation as they 1) are designed to equalize the high standards to which students are held across the nation, 2) provide an infusion of technology into the standard curriculum to prepare students for the digital 21st century workforce, and 3) transition away from traditional paper-and-pencil assessments in favor of modernized **computer-adaptive assessment systems**.

As part of the Classroom Technology Modernization program, the **Common Core Technology Project** (CCTP) guides the District's investment in the infrastructure needed to support this new paradigm in learning and assessment. The CCTP is laying the foundation to provide an individualized, interactive, and information-rich experience for every student. This work is focused on three goals:

1. Equip educators with tools to advance student learning in the classroom,
2. Support the Common Core State Standards, including student engagement with a digital curriculum, interactive supports, and computer adaptive assessments, and
3. Close the digital divide by ensuring that every student has access to 21st century classroom technology.

Enabled by a personal computing device, each student will receive enhanced individualized instruction from his/her teachers. The computing devices will facilitate multiple activities:

- **E-instruction** – Transform classroom instruction by providing teachers with the digital tools to engage students and prepare them for the 21st century;
- **E-curriculum** – Facilitate distribution of individualized curriculum and lesson plans;
- **E-assessments** – The Common Core State Standards adaptive computer assessment will be administered through the student-computing device.
- **E-tools** – Calculators, audio/video players, digital cameras and other tools will be accessible through the individual computing device;
- **E-administration** – Students will be able to access, complete and turn in assignments, view grades and receive feedback through their individual computing devices;
- **E-mail & Collaboration** – Recognized as an integral business communication tool throughout the world, utilization of email and collaboration tools – social media, blogs, wikis, podcasts, etc. – prepares students for life post-graduation and facilitates communication between students, their teachers and their peers.

The CCTP is rolling out across the District in three phases. **Phase 1**, approved by the BOC in January 2013 and the Board of Education in February 2013, includes the transformation of every classroom across 47 schools during the fall 2013. Phase 1 serves as a pilot phase during which the District will analyze successes and challenges from the rollout to the first groups of schools in order to inform successful rollouts in Phases 2 and 3 of the project. The 47 schools were selected based on their inclusion in one of three categories:

- Thirteen **"Schools For the Future"** representing pre-Phase 1 efforts among pioneering educators who had the foresight to adopt 1:1 computing programs in some form on their campuses prior to CCTP,
- Twenty-nine LAUSD schools identified by the federal Office of Civil Rights (OCR) as being in the greatest need of educational tools to compete with more advantaged students, and
- Five charter organization schools that are co-located with the OCR schools

An executive sponsorship team comprised of the District's Deputy Superintendent of Instruction, Chief Facilities Executive, Chief Strategy Officer, and Chief Information Officer governs the CCTP and provides direct supervision of the project director. The executive sponsorship team will analyze the progress and preliminary outcomes of the program during Phase 1 and report back to the BOC and BOE in the fall 2013 to make recommendations for additional phases of the program.

School Network Modernization Program

The Los Angeles Unified School District operates on the largest computing network of any K-12 organization in the United States. There are two key categories of projects included in the School Network Modernization Program: Core Network Modernization, which consists of critical updates to the foundation of the network on which all schools rely, and Local Area Network Modernization, which is optimization of the network equipment within each school building, ensuring that bandwidth and wireless requirements are met.

The School Network Modernization Program is designed to optimize the hardware required to address communication requirements to ensure safety concerns are met and to maximum operational efficiency. To meet increasing demand for internet access in the classroom, schools need 1) adequate bandwidth – the size of the virtual pipeline through which information flows to and from each classroom, and 2) high-density wireless, which enables a large number of students and teachers to access the network simultaneously without slowing it down. Current funding equips schools with the hardware necessary to address both of these key components.

Core Network Modernization

The Core Network refers to the foundational infrastructure on which all school networks rely and serves as the virtual backbone for the entire LAUSD network. The Core Network facilitates school access to the Internet and educational and business applications and is comprised of equipment and software in the Wide Area Network (WAN) and the Centralized Network Operations Center (NOC). All network traffic including online assessments, email, educational applications, and the Internet must flow through the District's core network. Monitoring and management enables ITD to identify and resolve problems proactively ensuring student access to essential instructional resources.

The scope of Core Network Infrastructure includes:

Implement Mobile Access Management: Controls information by channeling all mobile data through a secure, easily managed, and monitored server;

Install School Shared Network Components: Upgrade or install network equipment to provide the bandwidth necessary to meet increased classroom demand for media-rich interactive lesson plans, assessments, and internet usage;

Implement Network and Data Center Performance Monitoring and Management: Purchase and install tools needed to manage and optimize the performance of the school networks;

Video Infrastructure: Build a shared video solution for schools to address, store, view, and load videos and use videoconferencing;

Web Application Firewall: Install systems to increase protection for students by limiting outside access to applications hosted in the District's Data Center; and

Data Discovery/Privacy/Personal Data: Implement solutions that provide data discovery to identify private/ personal information fields across applications and platforms.

The planning phase of the project, approved in the May 2012 IT Strategic Execution Plan, identified $1.8 million for project planning. The planning phase included:

- Developing technical architecture
- Writing design specifications
- Developing bids and Request for Proposals
- Piloting Proof of Concepts

Also included was planning for cyber security solutions that safeguard the network against potential cyber threats such as on-line predators, viruses' attacking District's systems, personal or financial data theft, access to inappropriate materials, and help to reduce cyber-bullying. At the same time we are working to ensure compliance with local, state and federal policies. Compliance with the *Children's Internet Protection Act* is critical to receiving millions of dollars in federal funds.

Local Area Network Modernization

Local Area Networks (LANs) refer to the equipment and cabling inside the school building that provide classrooms and offices with connectivity to the Internet. The quality of LAN technology generally determines which online learning tools, content, assessments and business applications can be used in a particular classroom. The School Network Modernization Program aims to deliver the network environment required for any type of instructional tool without concern for overrunning network capacity.

As of July 2013, approximately 22 percent of the District's K-12 schools were equipped with a LAN infrastructure that had adequate bandwidth and high-density wireless access. During the past decade, the availability of classroom technology and instructional need has shifted in a manner that requires most school networks to have newer technologies that provide greater wireless coverage and greater bandwidth. The scope of projects included in this category includes replacement of deteriorating cabling and failing network equipment (switches and routers), which are reaching or exceeding end-of-life making it cost effective to replace the components.

As modern communications systems (i.e., telephone, public address, and intercommunication systems) increasingly rely on network connectivity, the need for LAN upgrades will further increase. To date there are 13 LAN modernization projects that include equipment to address telephone, public address, and intercommunication needs. Replacing the current obsolete and failing telephone, public address, and intercommunication systems brings these systems up to current standards while allowing the District to pilot solutions that may be rolled out to all existing District Schools.

The School Network Modernization Program leverages previous investments and controls costs by building on, integrating, and maximizing existing systems and utilizing the most advanced and proven technologies, while maximizing limited bond and E-rate dollars (a federal reimbursement program designed to subsidize connectivity in public school agencies). An example of this is what is called interoperability—purchase updated network equipment that works in concert with existing equipment that is still functioning and not yet at end-of-life.

Safety, Communications and Security Modernization Program

As the steward of the District's safety, communications, and security systems—including handheld radios, public address, and alarm systems—ITD is responsible for maintaining the inventory of equipment and upgrading and replacing equipment as necessary. The division's ongoing work is focused on identifying the most modern and cost-effective solutions enabling the District to ensure the safety of its students and employees. Our current efforts in this realm are focused on upgrades to radio systems and equipment necessary to ensure safe communication among those responsible for student safety and compliance with Federal Communications Commission mandates.

Radio Systems Project

Radio systems are a vital part of the District's goal to provide instruction in a safe and nurturing environment. Emergency first responders, school administrators, and bus drivers—among others—rely on these systems to ensure communication of emergency information to the proper audiences without fail. The District has two radio systems with different sets of frequencies—a set of frequencies is referred to as a band. The frequency band indicates which channels are available to a particular radio or similar equipment. Two bands are used due to the limitation of frequencies available and the number of users. LAUSD uses the 450 MHz band and the 800 MHz bands.

The existing radio systems used for daily and emergency communications were obsolete and were severely impaired by component failure and technical obsolescence. The radio frequency requirements imposed by the Federal Communications Commission (FCC) require new infrastructure, equipment and reprogramming to allow schools, school police, and central support divisions to communicate daily and during emergencies.

A Radio Governance Committee was established to provide oversight and ensure District needs are met. The committee includes representatives from schools, School Police, ITD, Transportation, Food Services, School Operations, Facilities, and the Office of Environmental Health and Safety. Different types of radio equipment used by the different agencies operate on different frequencies. Groups of frequencies within similar ranges are referred to as bands.

In recent years, the FCC set new regulations requiring that organizations update the configurations on radio devices to use fewer channels, opening up the airwaves for more devices; this is a process known in radio technology as narrowbanding. The District embarked on a narrowbanding project in 2011-12 to reconfigure (or replace) all radio equipment using the 450 MHz band to comply with the FCC regulations. This phase of the project is complete. The work to replace equipment using the 800 MHz band was delayed until a treaty between the United States and Mexico was signed to determine which channels would be used among agencies sharing airspace along the border between the two countries. The new United States – Mexico 800 MHz Band Plan was signed in June 2012, which was important for LAUSD in that we were able to determine which channels could be used to run our 800 MHz radio equipment. The project is now underway to comply with re-banding requirements.

Student Information Systems Optimization

The District is responsible for providing educators with ready access to current student data—including everything from demographic information to achievement scores to special instructional program needs—allowing educators to tailor instructional strategies to meet the needs of every student. Student Information Systems are computer software applications (programs) devoted to the management – collection, storage, and processing – of student data. Through these systems, individual data points are transformed into meaningful information to be utilized by teachers and administrators to facilitate teaching and learning.

Adding to the urgency of optimizing student information systems is the District's need to ensure all students receive the supports they deserve. The LAUSD has been under federal court oversight since 1996 for systemic non-compliance of special education laws when a judge determined that a student named Chanda Smith was allowed to slip through the cracks without receiving adequate services to accommodate her right to a high quality public education. The Office of the Independent Monitor was appointed in May 2003 after a modification of the original consent decree, Chanda Smith v. LAUSD, now known as the Modified Consent Decree.

The Student Information Systems Optimization program benefits the District in that it:

- Provides a consistent data collection mechanism across schools;
- Provides daily centralized/automated attendance reporting;
- Provides longitudinal student tracking across all grade levels, schools, and programs;
- Facilitates constructive conversations about each student's educational progress among parents/guardians, teachers, and administrators; and
- Ensures compliance with all applicable special education laws as mandated by the Modified Consent Decree.

My Integrated Student Information System

The My Integrated Student Information System (MiSiS) project is the integration of K-12 student information systems onto a unified platform. The modernized platform provides increased flexibility, usability, cost effectiveness.

This platform provides the following advantages: 1) the system is under District ownership where it can be freely adapted and maintained internally without software licensing costs, and 2) it provides a solution that has already been deployed and used successfully in a large complex school District (Fresno Unified). The transformation to the new system also takes into a consideration a computing environment that is increasingly mobile (i.e., shifting away from wired desktops and laptops toward tablets and smart phones); recognizing this, we are working to ensure that data are at the fingertips of the user on any type of device at any time and in any context.

The MiSIS project is currently underway with the release of the first module, an updated grade book teachers can use to create and track classroom assignments and to communicate with students and parents to help monitor ongoing progress (released in August 2013). Additional modules will be released by February 2014 with all modules scheduled for release by August 2014. Once completed, legacy systems including the aging and non-integrated elementary and secondary student information systems will be ready for decommissioning.

Disaster Recovery and Business Continuity Program

All of the District's mission critical information systems—including student transportation, payroll, food services, school police, facilities, and student information—are dependent upon the operability of the District's applications and technology infrastructure. All systems are linked to the Data Center, which serves as the information hub of the entire technology network and is located in Downtown Los Angeles in District headquarters. The Data Center is currently without a redundant or failover site, meaning that an unexpected disaster—such as a fire or earthquake—could cause severe damage to the infrastructure; thereby, crippling all of the District's critical systems.

The District's Disaster Recovery and Business Continuity (DR/BC) Program is designed to address this problem by rolling out solutions on which the District can rely in the event of a disaster. Disaster Recovery refers to the ability of the District to "bounce back" expediently in the event of a disaster. Currently, it could take weeks to months to recover from even a minor disaster; the District's aim is to reduce that to a period of less than 24 hours. Business Continuity refers to the District's ability to continue operating during a time when critical systems are in the process of being recovered.

Disaster Recovery and Business Continuity Project

ITD is working on a comprehensive Disaster Recovery and Business Continuity (DR/BC) strategy using a four-phase approach: 1) Business Impact Analysis; 2) Recovery Strategy Definition; 3) Plan Development, and Implementation; and 4) Testing and Improving Awareness to safeguard the District's technology enabled functionality.

Business Impact Analysis (BIA)

In June 2007, a Business Impact Analysis (BIA) was completed for LAUSD. The BIA frames the requirements for a DR/BC program by looking at which business units, processes, and systems are most critical to the organization and determining the factors driving process restoration. The BIA attempts to assess the implications of disruption in business processes. The first step of the analysis involved subject matter experts, the Disaster Recovery program manager, and business unit directors and managers from throughout the District identifying critical business process through the use of business impact analysis tools. These critical business processes were then prioritized into three tiers, based on the quantifiable risk involved should a system be affected (i.e., high risk, medium risk, and low risk).

In addition to identifying critical business processes and recovery time objectives, the BIA defined system interdependencies (inputs and outputs).

As the BIA was completed over four years ago and the District's technological capacities and dependencies have continued to grow since then, the DR/BC program included a review of findings with the intent to bring the BIA up to date. See Appendix XIX for full list of prioritized business processes.

Recovery Strategy Definition

With the finding of the BIA in hand, attention was turned to definition of the recovery strategy for LAUSD. First, District Executives met to finalize and approve the District-wide critical business processes findings. Upon approval of these findings, business unit Directors and Managers were informed of the priorities. The next step

of the Recovery Strategy Definition phase involved the meeting of District executives to resolve a number of key questions:

- Could minimal recovery requirements be met or priorities changed?
- Could the District afford to recover each Critical Business Process identified?
- Did the identified sequence of recovery change the anticipated cost of recovery?

Plan Development and Implementation

The Program consists of three phases – Data Recovery, Business Continuity, and Disaster Recovery. An overview of each phase is provided below.

Phase 3.1: Data Recovery

Phase 3.1, Data Recovery, focuses on the prevention of the loss of high priority production[1] business and educational data through storage of an extra copy of that data on disk at a small, backup location site. This strategy entails three categories of activities: identification of a suitable backup site (site selection), execution of the necessary infrastructure upgrades to that backup site (infrastructure upgrades), and identification and implementation of optimal data replication technologies (data replication).

Phase 3.2: Business Continuity

Phase 3.2, Business Continuity, focuses on ensuring technology-reliant business and education processes could continue if a disaster were to take place in the main Data Center. This goal is accomplished through the provisioning of a secondary ("failover") site and modernization and consolidation of Data Center technologies. In the event of disaster, business and educational operations would continue from the failover site.

In depth research and analysis has revealed four viable options – Brick and Mortar, POD (modular or container based), Co-location, and Public Cloud – for LAUSD's failover site provisioning. Three factors contributed to determination of option viability:

Recovery Time Objective (RTO) – RTO refers to the maximum amount of time a system can be down before organizational objectives are impacted. Highly available systems for education require a low RTO. Only options with low RTO were considered viable.

ITD analyzed four viable options for a Secondary Data center site: a brick and mortar building; a Modular or Container Based Data Center, which is a freestanding structure resembling an ocean shipping container; co-location with another public entity, and the Cloud. We compared the costs and benefits, the ability of each option to fully replicate all data and the system recovery time. We determined that the most cost effective solution was the Modular or Container Based Data Center, which LAUSD would purchase along with the accompanying Data Center equipment and locate on a District owned site.

An additional strategy that ITD will employ in the District's Disaster Recovery/ Business Continuity efforts involves in-depth analysis of all systems to determine which need modernization. The Phase 2 implementation will take place between mid 2013 and 2015.

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[1] Software development methodology requires four distinct operating environments – Development, Testing, Acceptance and Production. The data that is produced in each of these environments follows the same scheme. Data Recovery is concerned with only high priority Production data.

Funding/Cost

Overview

The Information Technology Division bond program addresses the District's needs for increased capacity for 21st century teaching and learning as well as increased operational efficiency maximizing resources that can be used directly for classrooms. Four local bonds (Proposition BB and Measures K, R, and Y) passed by the voters within LAUSD boundaries provide the majority of the funds. A fifth local bond, Measure Q, which passed in 2008, is anticipated as the primary funding source for future capital projects. State bonds approved through ballot initiatives (Propositions 1A, 47, 55, and 1D), Federal funding, grants, and various local matching funds comprise the balance of program funding.

Bond program funds cannot be used for school operations or administrative support tasks such as general administration, teachers' salaries, materials, and/or supplies for general or instructional use. Allowable uses include:

- Modernization
- Renovation
- Construction
- Increase of capacity in classrooms or specialized facilities such as libraries
- Land purchase and relocation to enable school use

Each project budget may include several or all of the following major components depending on the scope of work: land acquisition, design, construction, testing, inspection, and other costs such as project management and environmental remediation. Projects can be funded with one source, or in many cases, using multiple funding sources.

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. While industry best practices are used to deliver projects within budget, cost forecasts require diligent revision due to unforeseen conditions, changes to scope, economic forces, and the availability of qualified contractors.

Funds Management

The Information Technology Division (ITD) works proactively to maximize available program funds. Projects are designed not only to comply with school needs, State mandates and District guidelines, but also to take full advantage of eligibility for federal E-rate discounts for services supporting telecommunications and internet access for schools. Successful completion of the bond program can only be achieved through active funds management of a financially unified program. ITD staff manages the use of all funding sources, including application for and management of federal E-rate discounts, in a manner that enables all funding to be utilized and insures compliance with all applicable laws, regulations and policies.

Specific funding sources are allocated and managed to meet the requirements of individual projects and managed programs. Additionally, when a project requires funding but the intended source is not available, projects are sometimes funded with an alternative source until the permanent source of funds is available (for example, the future sale of State bonds). Once the permanent funding source is received, the initial funding source is returned.

Source of Funds

The primary funding sources for the current bond program, valued at approximately $487 million, are local bonds, which total approximately $408 million, or 84%, of total program funding. Other sources include General Funds and Federal E-rate reimbursements.

Information Technology Division Bond Program	
Local Bond Funds	
Measure K	$46,500,002
Measure R	$217,298,851
Measure Y	$143,714,736
Total Local Bond Funds	**$407,513,589**
Other Funds	
E-rate	$77,551,498
General	$2,014,379
Total Other Funds	**$79,565,877**
TOTAL SOURCES	**$487,079,466**

Uses of Funds

Uses of funds are reported below by project area.

Information Technology Division Bond Program			
	Current Expected Uses	Commitments	Expenditures
Project Use of Funds			
Common Core Technology – Phase 1	$50,000,000	$34,266,522	$15,733,478
Local Area Network Modernization	$313,134,187	$232,279,192	$80,854,995
Radio Systems	$31,656,991	$12,594,937	$19,062,054
Core Network Upgrade	$35,000,000	$15,558,019	$19,441,981
My Integrated Student Information System	$29,744,820	$28,390,196	$1,354,624
Disaster Recovery and Business Continuity	$23,543,467	$22,617,329	$926,138
Virtual Learning Complex Planning	$4,000,001	$1,405,785	$2,594,216
TOTAL PROGRAM USES OF FUNDS	**$487,079,466**	**$114,832,787**	**$59,112,492**

Management

The Information Technology Division's management team consists of highly skilled program and project professionals with years of experience in deployment and installing of 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 is managed to examine core areas of interest such as planning, program execution, measurement of performance, and rapid deployment of corrective action. Program management further focuses on budget, schedule, and business processes as well as policies and procedures.

To support the execution of core management principles, program management personnel within ITD deliver the following functions and provide the support needed to accomplish the program's goals:

- **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 are provided detailing 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

2013 STRATEGIC EXECUTION PLAN

EXHIBITS

Deliverables Summary

The sections below provide a brief summary of activities related to the scope schedule and budget for each Bond program. Scope refers to activities completed to date and activities yet to be completed. Schedule refers to timeline for completion of remaining activities. Budget refers to the amount of allocated funding expended to date and amount outstanding.

Classroom Technology Modernization Program

Common Core Technology Plan

Project Scope and Schedule

- **Computing devices:** 21,631 tablets have been provisioned across 35 schools to date. An additional 3,878 tablets are to be deployed at eight additional schools by the first week of November. Four schools have elected to postpone to a later phase, accounting for 5,307 tablets. At the completion of Phase 1, 30,816 tablets will be deployed across 47 schools.
- **Each tablet includes:** A personal computing device for every student and school based employee to facilitate e-mail, e-textbook access, e-assessments, e-curriculum materials, and e-administrative tasks.
- **Email and collaboration tools:** SADA Systems engaged to migrate staff email to Microsoft 365 (cloud) and implement software to enable seamless collaboration between student/teacher platforms
- **Mobile device management (MDM):** AirWatch selected as MDM solution provider through RFP process; the vendor is fully engaged in the CCTP phase 1 implementation; a full-time MDM Specialist hired
- **Identity management:** The RFP process for Identity Store and Identity Store Management implementation services is completed; the contract was awarded to CampusEAI; the interim student identity management system is now online and can accommodate 60,000 students; it will be in place until the full identity management system is rolled-out in 2014.
- **Data Center Monitoring and Management:** A project manager was hired, training provided to a team of seven District employees, a solution was installed and connected to 28,000 network devices, 910 servers, and 1,600 database details.

Project Budget

Budget Item	Revised Budget	Expenditures	Remaining
A personal computing device for every student and school based employee to facilitate e-curriculum materials, email, and e-administrative tasks.	$24,671,795	$24,585,354	$86,440
Carts to charge and store individual computing devices	$3,162,416	$3,162,416	$0

Staffing necessary to train trainers and support rollout of the new technology to every school.	$6,920,405	$5,963,118	$957,287
Local area network modernizations needed to meet project deadlines.	$5,941,700	$4,794,894	$1,146,806
Mobile device management allowing devices to be remotely access for support, configuration and visibility	$313,100	$313,100	$0
Integration of email and collaboration tools for all District users.	$1,068,000	$262,405	$805,595
Identity management providing the mechanism to authenticate each user and grant appropriate access to content based on security level.	$950,000	$880,845	$69,155
Network and Data Center Performance Monitoring and Management Tools to optimize the performance of the District's network	$6,972,584	$5,071,925	$1,900,659
TOTAL	**$50,000,000**	**$45,034,057**	**$4,965,943**

School Network Modernization Program

Core Network Modernization

Project Scope and Schedule

Cyber Security Projects:

- *The procurement is in process. Bid released to the public on September 10, 2013.*

Network projects:

- Solution Architecture completed for WAN Core Upgrades - equipment purchase order was submitted and equipment expected to arrive shortly
- RFP submitted to Procurement Services for Wired Infrastructure Monitoring & Management Solution (Project Charters completed, Requirements Defined, Vendor Presentations conducted)
- Aruba Airwave procured using Master Service agreement for Wireless Monitoring and Management Solution: Received Central Data Center Components and implemented 8 of 32 servers; All Phase 1 schools have been registered in Airwave in newly created folder structure; The wireless networks at 16 schools have been configured to the central data center components to be monitored
- Modernization Project Agreement used to purchase Aruba Clearpass for Network ID Profiling: implementation underway in Data Center / school site configuration done for all 47 CCTP phase 1 Schools

- Aruba Clearpass selected as Mobile Access Management solution and procured through master service agreement (Project Charters completed, Requirements Defined, Vendor Presentations conducted). The solution has been implemented for all phase 1 CCTP school sites

- A Master Service Agreement established for the purchase of School Shared Network Controllers (WAN Optimizers) - Project Charters completed, Requirements Defined, Vendor Presentations conducted including proof of concept

Project Budget

Budget Item	Original Budget	Expended	Remaining
Core Network Program	$35,000,000	$19,441,981	$15,558,019

Local Area Network Modernization
(See appendix)

Safety, Communications and Security Modernization Program

Radio Systems Program Information

Project Scope and Schedule

- 450 MHz Radio System Narrowbanding – Project completed
  - Shared infrastructure completely upgraded.
  - All school radios replaced or reprogrammed as needed to meet FCC requirements.
- 800 MHz Radio System Re-banding – project in progress.
  - FCC to assign new frequencies
  - Planning Phase—including design and engineering—is in progress

Project Budget

Budget Item	Original Budget	Expended	Remaining
Radio Project	$31,656,991	$19,062,054	$12,594,937

Student Information Systems Optimization Program

My Integrated Student Information System

Project Scope and Schedule

- The MiSiS team completed project Milestone 6, which included conversation of location codes from four to seven digits as well as release of the new Gradebook, which provides teachers with capabilities to create and run grade reports electronically. The MiSiS team provided quality assurance, deployment support, as well as training support and materials for the Gradebook release.
- The MiSiS team is actively working on project Milestone 7, which will release major deliverables including modules for Gifted and Talented Education (GATE), No Child Left Behind (NCLB), Master Scheduling, Next Year Enrollment, and Ad Hoc Reporting, estimated for completion February 2014.
- Development is also in progress for Milestone 8, which will include modules for Attendance, Census, Grades, Counseling and Discipline, scheduled for completion in August 2014.
- To date, the MiSiS team has developed over 60 reports for the upcoming milestones.

Project Budget

Budget Item	Original Budget	Expended	Remaining
My Integrated Student Information System	$29,744,820	$1,354,624	$28,390,196

Disaster Recovery and Business Continuity Program

Disaster Recovery and Business Continuity Project

Project Scope and Schedule

- **Phase 1 Completed:** Van Nuys network node facilities upgrade: Power, AC, UPS; security camera at Van Nuys Nodes installed; racks and IT equipment for Replication installed; LUMINEX Virtual Tape Library (VTL) setup for Beaudry and Van Nuys; replication of 100% of production databases to Van Nuys; and Email Failover implementation
- **Phase 1 remaining:** Implementation of Van Nuys (Small Off-Site) location is in progress with anticipated completion by end October 2013
- **Phase 2A completed:** Van Nuys site selected for secondary modular data center has been formally approved to move forward; Hired Construction Architect; Decommissioned Unisys Mainframe; Completed IBM Mainframe disk backup migration to LUMINEX VTL setup for Beaudry; decommissioned tape libraries ATL1, ATL2 and virtual tape servers VTS1 and VTS2; Decommissioned Storage DS4000, FasTt
- **Phase 2A in progress:** Site preparation and design are in progress at Van Nuys site; RFP for modular secondary data center build has been released to public for bid / currently scoring responses; Upgrade of Beaudry VTL in progress / anticipated completion Oct 2013; Achieved ~60% server consolidation from AIX Series to Linux blades; Achieved ~80% of database optimization across oracle databases; Achieved ~90% middleware server consolidation; Decommissioned ~50% end of life servers

Project Budget

Budget Item	Original Budget	Expended	Remaining
Disaster Recovery and Business Continuity	$23,543,467	$926,138	$22,617,329

2013 STRATEGIC EXECUTION PLAN

APPENDICES

Appendix A:
Local Area Network Modernization Schedule by School – 2013

The table on the following pages shows the project budget and scheduled completion date for every local area network modernization project. Each project includes a) extensive wireless networking to allow for online real-time student assessment and greater accessibility to online learning, b) scalable fiber enabling technicians to "dial up" or "dial down" according to a school's bandwidth needs based on student population, c) a single integrated network that meets acceptable performance levels and security requirements, d) a uniform and standards-based network using industry best practices, helping reduce ongoing maintenance and support costs.

BOARD MEMBER	LOC CODE	SITE NAME	ESTIMATED SUBSTANTIAL COMPLETION	ESTIMATED PROJECT BUDGET
GARCIA	7082	10TH ST EL	Q1 2014	$1,029,250
VLADOVIC	5884	112TH ST EL	Q1 2014	$828,036
VLADOVIC	5863	116TH ST EL*	Q4 2013	$575,573
VLADOVIC	5740	118TH ST EL	Q4 2014	$1,336,062
VLADOVIC	5887	122ND ST EL	Q1 2014	$814,588
VLADOVIC	7329	232ND PL EL*	Q2 2014	$631,855
LAMOTTE	7110	3RD ST EL	Q2 2014	$658,968
LAMOTTE	3959	42ND ST EL	Q1 2014	$660,315
VLADOVIC	3932	49TH ST EL	Q1 2014	$940,383
LAMOTTE	3781	54TH ST EL*	Q4 2013	$562,140
LAMOTTE	3795	59TH ST EL	Q1 2014	$669,284
LAMOTTE	6781	6TH AVE EL	Q1 2014	$840,200
LAMOTTE	6644	74TH ST EL	Q1 2014	$824,628
VLADOVIC	6616	7TH ST EL*	Q3 2014	$540,317
LAMOTTE	5521	95TH ST EL	Q4 2014	$963,933
GALATZAN	8726	ADDAMS HS*	Q2 2014	$185,374
LAMOTTE	5111	ALEXANDER SCI CTR SC*	Q2 2014	$534,467
RATLIFF	7398	ALTA CALIFORNIA EL	Q2 2014	$259,400
LAMOTTE	2082	ALTA LOMA EL	Q1 2014	$753,110
VLADOVIC	2089	AMBLER EL*	Q4 2013	$705,650
GARCIA	2369	AMBSDR-GLOBAL EDUC	Q2 2014	$25,300
GARCIA	7771	AMBSDR-GLOBAL LDSHP	Q2 2014	$346,900
RATLIFF	2110	ANATOLA EL	Q4 2013	$788,359
GALATZAN	2117	ANDASOL EL*	Q1 2014	$515,377
LAMOTTE	2123	ANGELES MESA EL	Q1 2014	$763,435
VLADOVIC	7722	ANGELOU COMM FN ARTS (SOCIAL JUSTICE SCHOOLS: FINE ARTS ACADEMY @ DR MAYA ANGELOU COMM HIGH)	Q3 2014	$276,500
VLADOVIC	8563	ANGELOU COMM GLOB IS (SOCIAL JUSTICE SCHOOLS: GLOBAL ISSUES ACADEMY @ DR. MAYA ANGELOU COMM HIGH)	Q3 2014	$90,750
VLADOVIC	2146	ANNALEE EL*	Q4 2013	$601,055
KAYSER	2151	ANNANDALE EL	Q1 2014	$692,139
GARCIA	4356	ANTON EL	Q3 2014	$325,900
KAYSER	2219	ASCOT EL	Q2 2014	$935,066
LAMOTTE	8028	AUDUBON MS	Q3 2014	$2,121,101

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BOARD MEMBER	LOC CODE	SITE NAME	ESTIMATED SUBSTANTIAL COMPLETION	ESTIMATED PROJECT BUDGET
VLADOVIC	2247	AVALON GARDENS EL	Q4 2014	$896,383
VLADOVIC	6886	BACA ARTS ACAD	Q3 2014	$217,400
GALATZAN	2269	BALBOA G/HA MAG	Q1 2014	$888,564
LAMOTTE	2274	BALDWIN HILLS EL*	Q4 2013	$711,478
VLADOVIC	2288	BANDINI EL	Q1 2014	$625,132
VLADOVIC	1941	BANNEKER SP ED CTR	Q4 2013	$833,386
LAMOTTE	5562	BARRETT EL	Q1 2014	$1,109,569
GALATZAN	2335	BECKFORD CHTR ENR ST*	Q1 2014	$552,941
ZIMMER	2342	BEETHOVEN EL	Q3 2014	$533,324
KAYSER	8536	BELL SH	Q4 2014	$1,924,309
GARCIA	8543	BELMONT SH	Q4 2014	$1,924,309
GARCIA	2397	BELVEDERE EL	Q1 2014	$1,033,111
RATLIFF	2438	BERTRAND EL	Q4 2013	$798,963
VLADOVIC	8060	BETHUNE MS	Q4 2014	$1,470,033
ZIMMER	1943	BLEND EL	Q4 2014	$465,892
VLADOVIC	2473	BONITA EL*	Q4 2013	$682,236
ZIMMER	2479	BRADDOCK DRIVE EL	Q4 2013	$734,937
GARCIA	8754	BRAVO MEDICAL MAG	Q3 2014	$2,050,952
GARCIA	2493	BREED EL*	Q2 2014	$684,612
VLADOVIC	2527	BROAD AVE EL*	Q2 2014	$811,415
VLADOVIC	2530	BROADACRES EL*	Q4 2013	$569,595
RATLIFF	3829	BROADOUS EL	Q3 2014	$796,950
ZIMMER	2534	BROADWAY EL	Q1 2014	$556,608
ZIMMER	2548	BROCKTON EL*	Q2 2014	$442,178
KAYSER	2589	BRYSON EL	Q4 2014	$745,055
LAMOTTE	2616	BUDLONG EL*	Q4 2013	$1,056,445
RATLIFF	8612	BURKE HS*	Q4 2013	$204,432
ZIMMER	2704	CALABASH EL*	Q2 2014	$443,739
GALATZAN	2706	CALAHAN EL*	Q1 2014	$515,522
LAMOTTE	2740	CANFIELD EL	Q1 2014	$795,736
GALATZAN	2753	CANOGA PARK EL	Q4 2013	$797,382
RATLIFF	2781	CANTERBURY EL*	Q4 2013	$902,769

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BOARD MEMBER	LOC CODE	SITE NAME	ESTIMATED SUBSTANTIAL COMPLETION	ESTIMATED PROJECT BUDGET
ZIMMER	2795	CANYON EL*	Q1 2014	$444,250
GALATZAN	2802	CAPISTRANO EL*	Q2 2014	$535,179
RATLIFF	7401	CARDENAS EL	Q3 2014	$360,900
VLADOVIC	8090	CARNEGIE MS	Q3 2014	$2,051,690
VLADOVIC	2815	CAROLDALE LRNG COMM*	Q4 2013	$865,765
GALATZAN	2822	CARPENTER COMM CHTR*	Q2 2014	$639,189
LAMOTTE	2939	CARSON-GORE ACADEMY	Q3 2014	$276,900
LAMOTTE	2849	CARTHAY CENTER EL*	Q1 2014	$545,582
GALATZAN	2881	CASTLEBAY LN EL*	Q2 2014	$901,764
VLADOVIC	2890	CATSKILL EL*	Q3 2014	$665,663
VLADOVIC	8589	CDS JOHNSTON*	Q4 2013	$218,355
KAYSER	2308	CENTRAL REG EL #21	Q4 2013	$27,500
LAMOTTE	3002	CHARNOCK ROAD EL*	Q2 2014	$515,377
RATLIFF	3014	CHASE EL	Q4 2013	$1,003,686
GALATZAN	3027	CHATSWORTH PARK EL*	Q2 2014	$773,341
RATLIFF	7715	CHAVEZ LA-ARTES	Q3 2014	$273,000
RATLIFF	7717	CHAVEZ LA-ASE	Q3 2014	$206,500
RATLIFF	7716	CHAVEZ LA-SJ HUM AC	Q3 2014	$264,800
RATLIFF	8901	CHAVEZ LA-TCHR PREP	Q3 2014	$171,000
ZIMMER	3041	CHEREMOYA EL	Q1 2014	$655,122
LAMOTTE	3068	CIENEGA EL	Q1 2014	$824,958
LAMOTTE	3082	CIMARRON EL	Q2 2014	$586,636
GALATZAN	8590	CLEVELAND SH	Q4 2014	$2,102,970
LAMOTTE	3123	CLOVER EL	Q1 2014	$867,146
LAMOTTE	8245	COCHRAN MS	Q4 2013	$1,232,212
ZIMMER	6342	COEUR D ALENE EL	Q1 2014	$831,065
ZIMMER	2741	COMMUNITY MAG CHT SC*	Q1 2014	$448,543
VLADOVIC	3205	COMPTON EL	Q3 2014	$586,693
RATLIFF	5016	COUGHLIN EL	Q4 2013	$778,761
ZIMMER	3260	COWAN EL*	Q4 2013	$505,237
LAMOTTE	3288	CRESCENT HTS L/A/S/J	Q3 2014	$859,795
VLADOVIC	3302	CRESTWOOD ST EL*	Q2 2014	$585,959

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BOARD MEMBER	LOC CODE	SITE NAME	ESTIMATED SUBSTANTIAL COMPLETION	ESTIMATED PROJECT BUDGET
VLADOVIC	8103	CURTISS MS*	Q2 2014	$1,156,627
KAYSER	3329	DAHLIA HTS EL	Q1 2014	$723,233
GALATZAN	3340	DARBY EL	Q1 2014	$855,107
GALATZAN	3377	DEARBORN EL*	Q1 2014	$880,184
VLADOVIC	3384	DEL AMO EL*	Q2 2014	$575,573
VLADOVIC	3425	DENKER EL*	Q4 2013	$792,880
GALATZAN	3438	DIXIE CANYON EL	Q1 2014	$1,236,857
VLADOVIC	3452	DOLORES EL*	Q4 2013	$773,296
VLADOVIC	3466	DOMINGUEZ EL	Q1 2014	$832,304
RATLIFF	3493	DYER EL	Q3 2014	$806,567
KAYSER	3507	EAGLE ROCK EL*	Q2 2014	$876,948
RATLIFF	3541	EL DORADO EL	Q3 2014	$680,196
GALATZAN	3545	EL ORO EL	Q1 2014	$937,087
ZIMMER	3616	ENCINO EL*	Q2 2014	$585,764
KAYSER	6873	ESCALANTE EL	Q3 2014	$213,900
VLADOVIC	3640	ESHELMAN EL	Q4 2013	$936,676
GARCIA	2383	ESPERANZA EL	Q1 2014	$777,071
VLADOVIC	2942	ESTRELLA EL	Q3 2014	$219,300
RATLIFF	3712	FAIR EL	Q3 2014	$950,823
ZIMMER	3726	FAIRBURN EL*	Q2 2014	$437,797
ZIMMER	8621	FAIRFAX SH*	Q4 2013	$1,940,005
VLADOVIC	8127	FLEMING MS*	Q4 2013	$1,187,197
VLADOVIC	3890	FLORENCE EL	Q2 2014	$1,191,099
VLADOVIC	5781	FLOURNOY EL	Q4 2013	$810,487
ZIMMER	4027	FULLBRIGHT EL*	Q2 2014	$621,729
RATLIFF	8142	FULTON COLLEGE PREP	Q4 2014	$1,528,235
KAYSER	8151	GAGE MS	Q3 2014	$1,582,493
RATLIFF	4055	GARDEN GROVE EL	Q4 2013	$897,883
GALATZAN	4110	GAULT EL	Q4 2013	$720,155
GALATZAN	4117	GERMAIN EL*	Q2 2014	$676,132
VLADOVIC	8160	GOMPERS MS	Q3 2014	$2,131,261
GALATZAN	4233	GRANADA EL*	Q2 2014	$601,055

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BOARD MEMBER	LOC CODE	SITE NAME	ESTIMATED SUBSTANTIAL COMPLETION	ESTIMATED PROJECT BUDGET
ZIMMER	4247	GRAND VIEW EL	Q4 2013	$720,500
KAYSER	4260	GRANT EL	Q4 2013	$839,040
VLADOVIC	4274	GRAPE EL	Q4 2013	$726,014
GARCIA	2385	GRATTS LA FOR YS	Q2 2014	$818,399
RATLIFF	8816	GREY HS*	Q2 2014	$170,886
GARCIA	4301	GRIFFIN EL	Q4 2013	$825,398
VLADOVIC	4315	GULF EL	Q4 2013	$818,006
GALATZAN	8169	HALE CHARTER ACADEMY*	Q3 2014	$1,680,956
VLADOVIC	4342	HALLDALE EL*	Q1 2014	$684,612
GARCIA	6274	HAMASAKI EL*	Q2 2014	$682,236
GALATZAN	4349	HAMLIN EL*	Q1 2014	$446,456
ZIMMER	4397	HANCOCK PARK EL*	Q2 2014	$589,988
VLADOVIC	4425	HARBOR CITY EL	Q4 2013	$782,211
GALATZAN	4445	HART ST EL	Q4 2013	$784,289
LAMOTTE	8170	HARTE PREP MS*	Q4 2013	$736,628
LAMOTTE	8713	HAWKINS SH A (all schools)	Q4 2013	$27,500
LAMOTTE	7665	HAWKINS SH B	Q4 2013	see Hawkins SH A
LAMOTTE	7666	HAWKINS SH C	Q4 2013	see Hawkins SH A
GALATZAN	4473	HAYNES EL	Q2 2014	$795,009
GALATZAN	8174	HENRY MS*	Q4 2013	$991,502
LAMOTTE	4528	HILLCREST DR EL	Q4 2013	$876,134
ZIMMER	8693	HOLLYWOOD SH	Q3 2014	$2,969,263
KAYSER	4562	HOLMES EL*	Q1 2014	$575,573
KAYSER	4575	HOOPER EL	Q3 2014	$1,023,495
RATLIFF	4603	HUBBARD EL*	Q4 2013	$899,509
GARCIA	2944	HUERTA EL	Q3 2014	$164,000
GARCIA	4616	HUMPHREYS EL	Q2 2014	$1,138,465
GARCIA	4630	HUNTINGTON DR EL	Q4 2013	$854,142
KAYSER	8700	HUNTINGTON PARK SH	Q4 2014	$1,955,165
KAYSER	4671	IVANHOE EL	Q2 2014	$689,580
KAYSER	8714	JEFFERSON SH	Q4 2014	$1,390,222
GARCIA	2943	JONES EL	Q3 2014	$244,500

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BOARD MEMBER	LOC CODE	SITE NAME	ESTIMATED SUBSTANTIAL COMPLETION	ESTIMATED PROJECT BUDGET
GALATZAN	4692	JUSTICE EL*	Q2 2014	$496,677
ZIMMER	4699	KENTER CANYON EL*	Q1 2014	$529,671
ZIMMER	4712	KENTWOOD EL*	Q4 2013	$484,453
GALATZAN	4762	KNOLLWOOD EL*	Q2 2014	$545,582
VLADOVIC	6869	KNOX EL	Q3 2014	$280,400
RATLIFF	7399	KORENSTEIN EL	Q3 2014	$241,900
GARCIA	8774	LA GLOBAL STUDIES*	Q2 2014	$237,095
GARCIA	8501	LA HS ARTS @RFK	Q2 2014	$25,300
LAMOTTE	4786	LA SALLE EL*	Q4 2013	$866,340
LAMOTTE	8741	LACES MAG	Q3 2014	$1,180,716
GARCIA	2543	LAFAYETTE PARK PC	Q1 2014	$366,823
ZIMMER	4764	LANAI EL	Q2 2014	$892,708
RATLIFF	4775	LANGDON EL	Q4 2013	$829,764
RATLIFF	4790	LASSEN EL	Q4 2013	$952,775
ZIMMER	4808	LAUREL EL*	Q4 2013	$558,352
VLADOVIC	4829	LEAPWOOD EL*	Q2 2014	$562,140
VLADOVIC	4836	LELAND EL*	Q4 2013	$690,220
GALATZAN	4849	LEMAY EL*	Q1 2014	$486,573
RATLIFF	8638	LEWIS HS*	Q1 2014	$165,334
KAYSER	4877	LILLIAN EL*	Q2 2014	$674,931
GALATZAN	4881	LIMERICK EL	Q4 2013	$862,687
VLADOVIC	4680	LIZARRAGA EL	Q2 2014	$622,236
GALATZAN	4887	LOCKHURST EL*	Q3 2014	$905,094
KAYSER	4890	LOCKWOOD EL*	Q2 2014	$674,931
KAYSER	4904	LOGAN EL	Q2 2014	$891,219
VLADOVIC	4932	LOMITA MATH/SCI MAG*	Q2 2014	$411,171
GARCIA	4945	LORENA EL	Q4 2013	$784,289
VLADOVIC	8200	LOS ANGELES ACAD MS	Q4 2014	$1,401,537
GARCIA	4982	LOS ANGELES EL	Q2 2014	$985,878
LAMOTTE	8736	LOS ANGELES SH	Q4 2014	$1,874,725
KAYSER	4986	LOS FELIZ EL	Q2 2014	$746,628
RATLIFF	1948	LOWMAN SP ED CTR	Q3 2014	$297,400

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BOARD MEMBER	LOC CODE	SITE NAME	ESTIMATED SUBSTANTIAL COMPLETION	ESTIMATED PROJECT BUDGET
GALATZAN	8230	MADISON MS	Q3 2014	$1,547,666
GARCIA	5055	MAGNOLIA EL	Q4 2014	$1,057,775
VLADOVIC	5068	MAIN ST EL	Q2 2014	$1,210,060
LAMOTTE	5096	MANCHESTER EL	Q1 2014	$895,231
LAMOTTE	5110	MANHATTAN PLACE EL	Q2 2014	$687,002
LAMOTTE	8743	MANUAL ARTS SH	Q4 2014	$1,955,306
ZIMMER	5192	MAR VISTA EL*	Q2 2014	$801,339
VLADOVIC	8237	MARKHAM MS	Q4 2014	$1,375,634
LAMOTTE	1949	MARLTON*	Q1 2014	$1,661,055
ZIMMER	5164	MARQUEZ EL*	Q3 2014	$684,123
KAYSER	8866	MARQUEZ SH A	Q4 2013	$31,900
KAYSER	7669	MARQUEZ SH C	Q4 2013	see Marquez SH A
KAYSER	7725	MARQUEZ SH LIBRA	Q4 2013	see Marquez SH A
LAMOTTE	5178	MARVIN EL	Q4 2013	$1,385,160
GALATZAN	5198	MAYALL EL*	Q2 2014	$575,573
GARCIA	1918	MC ALISTER HS-CYESIS*	Q2 2014	$401,766
VLADOVIC	6658	MC KINLEY EL	Q4 2014	$828,107
ZIMMER	1952	MCBRIDE SP ED CTR*	Q3 2014	$601,055
ZIMMER	5219	MELROSE M/S/T MAG	Q3 2014	$564,817
GALATZAN	5233	MELVIN EL	Q4 2013	$720,500
LAMOTTE	5247	MENLO EL	Q2 2014	$1,177,206
VLADOVIC	7342	MEYLER EL*	Q4 2013	$821,084
LAMOTTE	3500	MIDCITY PRESCOTT MAG	Q3 2014	$192,400
LAMOTTE	8760	MIDDLE COLLEGE HS	Q4 2013	$27,500
KAYSER	5315	MILES EL	Q4 2013	$1,304,368
GALATZAN	1910	MILLER CTC*	Q4 2013	$799,217
LAMOTTE	5321	MILLER EL	Q4 2013	$810,487
VLADOVIC	5329	MIRAMONTE EL	Q4 2013	$1,058,880
RATLIFF	8845	MISSION HS	Q3 2014	$259,648
RATLIFF	8768	MONROE SH*	Q4 2013	$2,073,889
KAYSER	6878	MONTARA AVE EL	Q3 2014	$1,069,832
VLADOVIC	2313	MOORE M/S/T ACAD	Q4 2013	$27,500

BOARD MEMBER	LOC CODE	SITE NAME	ESTIMATED SUBSTANTIAL COMPLETION	ESTIMATED PROJECT BUDGET
RATLIFF	5397	MORNINGSIDE EL	Q3 2014	$770,579
ZIMMER	7402	MOSK EL	Q3 2014	$185,000
KAYSER	5411	MT WASHINGTON EL	Q2 2014	$683,480
LAMOTTE	8255	MUIR MS*	Q4 2013	$1,098,177
GALATZAN	8259	MULHOLLAND MS	Q4 2014	$1,401,352
GARCIA	5425	MULTNOMAH EL	Q2 2014	$899,551
GARCIA	5438	MURCHISON EL	Q2 2014	$1,134,928
GALATZAN	5446	NAPA EL	Q3 2014	$1,112,993
GARCIA	5173	NAVA LA-BUS&TECH SCH	Q3 2014	see Nava LA-Sch Art
GARCIA	8070	NAVA LA-SCH ART	Q3 2014	$204,500
ZIMMER	5452	NESTLE EL	Q2 2014	$926,510
GALATZAN	5459	NEVADA EL*	Q4 2013	$694,336
GARCIA	7783	NEW OPEN WLD ACAD	Q4 2013	$477,700
KAYSER	8771	NEW TECH SH @JEFF SH (STUDENT EMPOWERMENT ACADEMY)	Q3 2014	$157,500
GARCIA	8545	NEWMARK HS	Q4 2014	$235,865
KAYSER	8268	NIMITZ MS*	Q4 2013	$1,035,285
GALATZAN	8272	NOBEL MS*	Q3 2014	$1,669,391
VLADOVIC	5644	NORMONT EL*	Q1 2014	$601,055
KAYSER	2378	NUEVA VISTA EL	Q2 2014	$1,149,231
RATLIFF	5726	O MELVENY EL	Q3 2014	$964,381
LAMOTTE	6868	OBAMA GLBL PREP ACAD	Q3 2014	$489,850
KAYSER	8873	ODYSSEY HS	Q3 2014	$301,630
RATLIFF	8306	OLIVE VISTA MS*	Q1 2014	$928,523
GARCIA	2392	OLYMPIC PC*	Q2 2014	$424,145
ZIMMER	5889	OPEN CHARTER MAGNET*	Q2 2014	$758,439
KAYSER	5153	ORCHARD ACADEMIES 2B	Q3 2014	$51,100
KAYSER	5154	ORCHARD ACADEMIES 2C	Q3 2014	$175,800
GARCIA	8853	ORTHOPAEDIC HOSP MAG	Q3 2014	$744,755
RATLIFF	5894	OSCEOLA EL	Q3 2014	$501,973
LAMOTTE	5904	OVERLAND EL*	Q3 2014	$522,072
ZIMMER	5959	PACIFIC PALISADES EL*	Q3 2014	$533,181
LAMOTTE	5986	PALMS EL*	Q2 2014	$481,299

BOARD MEMBER	LOC CODE	SITE NAME	ESTIMATED SUBSTANTIAL COMPLETION	ESTIMATED PROJECT BUDGET
LAMOTTE	8340	PALMS MS*	Q4 2013	$884,437
VLADOVIC	6013	PARK WESTERN EL*	Q1 2014	$664,717
ZIMMER	6052	PASEO DEL REY NAT SC*	Q2 2014	$520,256
RATLIFF	6068	PINEWOOD EL	Q4 2013	$907,939
LAMOTTE	4980	PIO PICO MS	Q1 2014	$1,063,234
GARCIA	3247	PLASENCIA EL	Q4 2014	$993,855
ZIMMER	6110	PLAYA DEL REY EL*	Q4 2013	$413,238
ZIMMER	2306	PLAYA VISTA EL	Q4 2013	$54,050
RATLIFF	6123	PLUMMER EL*	Q4 2013	$914,111
GARCIA	2384	POLITI EL	Q2 2014	$1,022,356
RATLIFF	8636	POLYTECHNIC SH	Q4 2013	$1,878,345
GALATZAN	6140	POMELO COMM CHTR SCH*	Q2 2014	$913,438
GALATZAN	2303	PORTER RANCH SCHOOL	Q4 2013	$27,500
VLADOVIC	6148	PRESIDENT EL*	Q2 2014	$682,236
VLADOVIC	6137	PT FERMIN MAR SCI MG*	Q1 2014	$424,145
KAYSER	6178	RAMONA EL	Q4 2013	$818,006
VLADOVIC	8868	RANCHO DOMINGZ PREP	Q3 2014	$238,400
GALATZAN	6233	RESEDA EL	Q4 2013	$826,049
ZIMMER	8356	REVERE MS	Q3 2014	$1,749,438
ZIMMER	6260	RICHLAND EL*	Q1 2014	$523,812
VLADOVIC	1917	RILEY HS-CYESIS*	Q4 2013	$267,192
GALATZAN	6288	RIO VISTA EL	Q4 2014	$490,742
VLADOVIC	6301	RITTER EL	Q4 2014	$939,620
GALATZAN	6315	RIVERSIDE DR CHT SC	Q2 2014	$1,345,607
RATLIFF	8895	ROGERS HS*	Q3 2014	$185,374
GARCIA	7749	ROOSEVELT CNMT (all schools)	Q4 2014	$510,386
ZIMMER	6363	ROSCOMARE EL*	Q3 2014	$482,419
GARCIA	6370	ROSEMONT EL	Q2 2014	$1,056,022
GARCIA	6425	ROWAN EL	Q2 2014	$1,299,360
KAYSER	6884	ROYBAL-ALLARD EL	Q4 2013	$27,500
VLADOVIC	6438	RUSSELL EL	Q4 2013	$888,100
VLADOVIC	6870	S SHORES PER ARTS MG	Q2 2014	$1,052,158

* Schools that received additional bond funding in the Board of Education Report - 086-11/12 (Revised), dated December 13, 2011

BOARD MEMBER	LOC CODE	SITE NAME	ESTIMATED SUBSTANTIAL COMPLETION	ESTIMATED PROJECT BUDGET
GARCIA	1955	SALVIN SP ED CTR	Q2 2014	$614,143
RATLIFF	6452	SAN FERNANDO EL	Q4 2014	$760,899
RATLIFF	8358	SAN FERNANDO MS	Q4 2014	$1,599,462
KAYSER	6466	SAN GABRIEL EL	Q4 2014	$1,314,668
KAYSER	6493	SAN PASCUAL EL	Q2 2014	$527,149
VLADOVIC	8851	SAN PEDRO MAR/M/S MG	Q4 2013	$25,300
VLADOVIC	8847	SAN PEDRO POL ACD MG	Q4 2013	$25,300
RATLIFF	7404	SANTANA ARTS ACADEMY	Q3 2014	$199,900
LAMOTTE	2644	SATURN EL*	Q4 2013	$694,336
GARCIA	8206	SCH VIS ARTS/HUM@RFK	Q3 2014	$25,300
ZIMMER	6589	SELMA EL*	Q3 2014	$651,436
ZIMMER	6606	SERRANIA EL*	Q1 2014	$913,438
LAMOTTE	6671	SHENANDOAH EL	Q1 2014	$987,040
GALATZAN	6699	SHERMAN OAKS EL CHTR	Q2 2014	$960,319
GALATZAN	6712	SHIRLEY EL	Q4 2013	$1,061,228
ZIMMER	6740	SHORT EL*	Q4 2013	$501,969
GARCIA	6753	SIERRA PARK EL	Q1 2014	$812,458
GALATZAN	8842	SOCES MAG	Q3 2014	$1,362,349
GARCIA	7752	SOLIS LEARNING ACAD	Q4 2013	$27,500
KAYSER	7708	SOTOMAYOR LA-ARTLAB	Q3 2014	$178,500
KAYSER	7707	SOTOMAYOR LA-HADA	Q3 2014	$192,500
KAYSER	8577	SOTOMAYOR LA-LARS	Q3 2014	$452,300
KAYSER	8377	SOUTH GATE MS	Q4 2014	$1,638,213
KAYSER	8871	SOUTH GATE SH	Q3 2014	$3,654,247
VLADOVIC	6863	SOUTH PARK EL	Q4 2013	$857,144
LAMOTTE	2311	SOUTH REGION EL #10	Q4 2013	$27,500
LAMOTTE	2312	SOUTH REGION EL #11	Q4 2013	$27,500
KAYSER	2309	SOUTH REGION EL #9	Q4 2013	$27,500
VLADOVIC	8923	SOUTH REGION HS #12A	Q4 2013	$27,500
VLADOVIC	7667	SOUTH REGION HS #12B	Q4 2013	$25,300
KAYSER	8921	SOUTH REGION HS #9A	Q4 2013	$27,500
KAYSER	7664	SOUTH REGION HS #9B	Q4 2013	$25,300

* Schools that received additional bond funding in the
Board of Education Report - 086-11/12 (Revised), dated December 13, 2011

BOARD MEMBER	LOC CODE	SITE NAME	ESTIMATED SUBSTANTIAL COMPLETION	ESTIMATED PROJECT BUDGET
VLADOVIC	6867	SOUTH REGION SPAN #1	Q4 2013	$27,500
VLADOVIC	7718	SRHS #2 COMM	Q4 2014	$206,500
VLADOVIC	7719	SRHS #2 GREEN DESIGN	Q4 2014	$199,500
VLADOVIC	7721	SRHS #2 PERF ARTS	Q4 2014	$213,500
VLADOVIC	8867	SRHS #2 PUB SRV COMM	Q4 2014	$339,000
RATLIFF	6890	STAGG EL	Q4 2013	$750,690
KAYSER	6904	STANFORD EL	Q4 2013	$857,144
KAYSER	6918	STATE EL	Q2 2014	$1,094,057
ZIMMER	6932	STERRY EL	Q4 2013	$771,222
GARCIA	8387	STEVENSON MS	Q4 2014	$1,537,954
RATLIFF	6945	STONEHURST EL	Q4 2014	$477,189
ZIMMER	6952	STONER EL	Q4 2013	$683,114
RATLIFF	6973	SUNLAND EL*	Q4 2013	$729,091
GALATZAN	6986	SUNNY BRAE EL	Q4 2013	$862,687
GALATZAN	7007	SUPERIOR EL	Q2 2014	$858,834
VLADOVIC	7035	TAPER EL*	Q2 2014	$649,619
ZIMMER	7041	TARZANA EL*	Q4 2013	$684,707
RATLIFF	7068	TELFAIR EL	Q4 2014	$1,023,910
KAYSER	7178	TOLAND WAY EL	Q4 2014	$262,400
ZIMMER	7192	TOLUCA LAKE EL	Q4 2013	$767,912
ZIMMER	7198	TOPANGA EL*	Q3 2014	$645,270
GALATZAN	7201	TOPEKA DR EL*	Q2 2014	$607,347
GARCIA	8606	TORRES ELA PERF ARTS	Q4 2014	$495,200
GARCIA	7773	TORRES ENG	Q4 2014	$185,500
GARCIA	7775	TORRES HUM/ART/TECH	Q4 2014	$658,300
GARCIA	7772	TORRES RENAISSANCE	Q4 2014	$185,500
GARCIA	7777	TORRES SOC JST LDSHP	Q4 2014	$178,500
VLADOVIC	7205	TOWNE EL*	Q4 2013	$555,195
GALATZAN	7247	TULSA EL*	Q2 2014	$598,095
GARCIA	7780	UCLA COMMUNITY SCH	Q4 2014	$236,200
GARCIA	7356	UNION EL	Q4 2014	$1,004,069
GARCIA	7370	UTAH EL	Q2 2014	$1,049,616

* Schools that received additional bond funding in the Board of Education Report - 086-11/12 (Revised), dated December 13, 2011

BOARD MEMBER	LOC CODE	SITE NAME	ESTIMATED SUBSTANTIAL COMPLETION	ESTIMATED PROJECT BUDGET
RATLIFF	7384	VALERIO EL	Q4 2014	$1,198,136
GALATZAN	8898	VALLEY ACAD ARTS/SCI	Q4 2014	$113,417
RATLIFF	2302	VALLEY REGION EL #13	Q4 2013	$27,500
RATLIFF	7408	VALLEY REGION SPAN 1	Q4 2013	$27,500
ZIMMER	7397	VALLEY VIEW EL*	Q3 2014	$375,890
GALATZAN	7422	VAN GOGH EL	Q2 2014	$1,012,143
ZIMMER	7425	VAN NESS EL*	Q4 2014	$476,515
GALATZAN	8434	VAN NUYS MS	Q4 2014	$1,193,307
GALATZAN	7411	VANALDEN EL*	Q3 2014	$535,179
RATLIFF	7466	VENA EL	Q4 2014	$648,072
KAYSER	7493	VERNON CITY EL*	Q2 2014	$424,145
RATLIFF	7521	VICTORY EL	Q4 2013	$850,722
GARCIA	8462	VIRGIL MS	Q4 2014	$1,265,878
RATLIFF	7400	VISTA DEL VALLE ACAD	Q4 2014	$199,000
KAYSER	7589	WADSWORTH EL	Q4 2013	$876,134
ZIMMER	7603	WALGROVE EL*	Q2 2014	$465,393
KAYSER	8390	WALNUT PARK MS A	Q4 2013	$27,500
KAYSER	5193	WALNUT PARK MS B	Q4 2013	$27,500
ZIMMER	7616	WARNER EL*	Q1 2014	$589,713
LAMOTTE	8928	WASHINGTON PREP SH	Q4 2014	$2,227,400
ZIMMER	8481	WEBSTER MS	Q4 2013	$402,390
VLADOVIC	7634	WEIGAND EL*	Q1 2014	$562,140
GALATZAN	7637	WELBY WAY EL CHT SCH*	Q3 2014	$871,129
ZIMMER	8943	WESM HLTH/SPORTS MED	Q4 2014	$3,455,770
LAMOTTE	7644	WEST ATHENS EL	Q4 2014	$806,327
ZIMMER	7649	WEST HOLLYWOOD EL	Q3 2014	$452,253
VLADOVIC	7654	WEST VERNON EL	Q4 2013	$857,144
LAMOTTE	7671	WESTERN EL	Q4 2013	$862,687
ZIMMER	7699	WESTMINSTER EL	Q4 2013	$886,328
ZIMMER	7712	WESTPORT HTS EL*	Q1 2014	$606,373
ZIMMER	3311	WESTSIDE GLBL AWR MG*	Q4 2013	$467,035
ZIMMER	7740	WESTWOOD EL*	Q3 2014	$605,608

BOARD MEMBER	LOC CODE	SITE NAME	ESTIMATED SUBSTANTIAL COMPLETION	ESTIMATED PROJECT BUDGET
VLADOVIC	7767	WHITE POINT EL*	Q1 2014	$464,511
ZIMMER	8623	WHITMAN HS*	Q4 2014	$187,574
ZIMMER	7774	WILBUR EL*	Q4 2014	$656,187
VLADOVIC	1957	WILLENBERG SP ED CTR*	Q4 2013	$641,712
VLADOVIC	7781	WILMINGTON PARK EL	Q4 2013	$956,177
LAMOTTE	7795	WILSHIRE CREST EL	Q4 2013	$746,902
GARCIA	8618	WILSON SH	Q3 2014	$3,754,177
GARCIA	7808	WILTON PL EL*	Q4 2013	$853,799
LAMOTTE	7822	WINDSOR M/S AERO MAG*	Q1 2014	$588,927
GALATZAN	7836	WINNETKA EL	Q4 2013	$782,141
VLADOVIC	6872	WISDOM EL	Q4 2014	$301,400
ZIMMER	7849	WONDERLAND EL*	Q4 2014	$487,844
LAMOTTE	7863	WOODCREST EL*	Q4 2013	$846,755
GALATZAN	7877	WOODLAKE EL*	Q1 2014	$858,882
ZIMMER	8344	WOODLAND HILLS ACAD*	Q3 2014	$1,129,874
ZIMMER	7890	WOODLAND HILLS EL*	Q1 2014	$582,179
KAYSER	7904	WOODLAWN EL	Q2 2014	$976,719
LAMOTTE	4658	YES ACADEMY	Q4 2013	$777,837

Appendix B:
Local Area Network Modernization Projects by School (Partially Funded) – 2013

The table on the following pages shows the project budget and scheduled completion date for local area network modernization projects that are partially funded. Included are current Bond fund match amounts and remaining funds needed. These projects have E-rate applications filed.

BOARD MEMBER	LOC CODE	SITE NAME	ESTIMATED BUDGET	CURRENT BOND FUNDING REQUIRED DISTRICT MATCH	REMAINING FUNDING NEED
VLADOVIC	5836	109TH ST EL	$1,021,640	$287,040	$734,600
LAMOTTE	3808	52ND ST EL	$776,152	$121,190	$654,963
VLADOVIC	5548	92ND ST EL	$738,393	$114,771	$623,622
VLADOVIC	5582	93RD ST EL	$907,741	$143,470	$764,271
VLADOVIC	5575	96TH ST EL	$824,493	$129,318	$695,175
VLADOVIC	5534	99TH ST EL	$708,771	$109,645	$599,126
GALATZAN	8507	AGGELER HS	$347,128	$55,791	$291,336
GARCIA	2014	ALBION EL	$499,573	$81,374	$418,199
KAYSER	2027	ALDAMA EL	$653,303	$100,216	$553,088
GARCIA	6426	AMANECER PC	$355,736	$57,255	$298,481
GARCIA	2137	ANN EL	$386,855	$62,212	$324,643
RATLIFF	8609	ARLETA SH	$1,054,837	$168,587	$886,250
KAYSER	2233	ATWATER EL	$543,169	$88,786	$454,383
LAMOTTE	4020	BAKEWELL PC	$398,088	$64,455	$333,633
GARCIA	8831	BOYLE HEIGHTS HS	$207,565	$31,474	$176,091
KAYSER	2603	BUCHANAN EL	$576,507	$87,160	$489,347
RATLIFF	2726	CAMELLIA EL	$881,843	$139,400	$742,443
GALATZAN	8506	CDS AGGELER	see aggeler HS	see aggeler HS	see aggeler HS
GARCIA	7640	CHAVEZ EL	$465,480	$75,911	$389,569
KAYSER	3096	CITY TERRACE EL	$539,281	$82,889	$456,392
GARCIA	3192	COMMONWEALTH EL	$696,902	$107,627	$589,275
KAYSER	3479	DORRIS PLACE EL	$838,837	$258,955	$579,882
KAYSER	3562	EL SERENO EL	$597,828	$98,078	$499,750
KAYSER	3575	ELYSIAN HEIGHTS EL	$482,170	$78,416	$403,754
KAYSER	3220	ESCUTIA PC	$398,214	$64,476	$333,738
GARCIA	3699	EVERGREEN EL	$817,175	$128,074	$689,101
GARCIA	3740	FARMDALE EL	$718,212	$111,624	$606,588
KAYSER	4082	GARVANZA EL	$1,061,881	$291,594	$770,288
GARCIA	3426	GARZA PC	$339,093	$54,426	$284,667
GARCIA	4096	GATES EL	$720,944	$111,804	$609,140

BOARD MEMBER	LOC CODE	SITE NAME	ESTIMATED BUDGET	CURRENT BOND FUNDING REQUIRED DISTRICT MATCH	REMAINING FUNDING NEED
GARCIA	4137	GLEN ALTA EL	$459,392	$74,544	$384,848
VLADOVIC	4219	GRAHAM EL	$755,806	$117,731	$638,076
VLADOVIC	5849	GRIFFITH JOYNER EL	$849,726	$133,607	$716,119
RATLIFF	4329	HADDON EL	$812,199	$127,228	$684,971
RATLIFF	4515	HERRICK EL	$709,230	$109,813	$599,417
GARCIA	4534	HILLSIDE EL	$528,138	$86,230	$441,907
KAYSER	4576	HOOPER PC	$366,072	$58,938	$307,133
GARCIA	4589	HOOVER EL	$883,581	$139,363	$744,218
KAYSER	6920	HOPE EL	$597,755	$90,883	$506,872
KAYSER	2391	HUNTINGTON PARK EL	$518,556	$77,308	$441,247
KAYSER	8701	INTERNATIONAL ST LC	$531,742	$79,550	$452,192
KAYSER	8721	JORDAN SH	$2,319,800	$503,327	$1,816,473
GARCIA	2701	KIM EL	$1,078,314	$292,311	$786,002
KAYSER	6179	KINGSLEY EL	$532,032	$79,710	$452,322
GARCIA	2393	LAKE ST PRIMARY	$398,710	$64,560	$334,149
GALATZAN	4781	LANKERSHIM EL	$663,833	$104,063	$559,770
GARCIA	4795	LATONA EL	$421,963	$68,181	$353,783
GARCIA	5082	MALABAR EL	$806,894	$126,326	$680,568
GARCIA	4983	MARIPOSA-NABI PC	$393,943	$63,750	$330,193
KAYSER	8882	MAYWOOD ACADEMY SH	$767,689	$119,751	$647,938
KAYSER	2381	MAYWOOD EL	$515,166	$78,900	$436,265
KAYSER	5288	MICHELTORENA EL	$597,828	$98,078	$499,750
RATLIFF	5918	OXNARD EL	$637,322	$99,556	$537,767
RATLIFF	5604	PANORAMA CITY EL	$576,402	$87,142	$489,260
LAMOTTE	6219	RAYMOND AVE EL	$1,268,958	$324,712	$944,246
RATLIFF	6356	ROSCOE EL	$700,598	$107,627	$592,971
GARCIA	8716	SANTEE EDUC COMPLEX	$1,296,659	$209,919	$1,086,740
RATLIFF	6665	SHARP EL	$776,152	$121,190	$654,963
KAYSER	6767	SIERRA VISTA EL	$406,508	$65,553	$340,954
GARCIA	6836	SOLANO EL	$338,061	$53,917	$284,143

BOARD MEMBER	LOC CODE	SITE NAME	ESTIMATED BUDGET	CURRENT BOND FUNDING REQUIRED DISTRICT MATCH	REMAINING FUNDING NEED
GARCIA	6849	SOTO EL	$510,599	$83,582	$427,017
KAYSER	8881	SOUTH EAST SH	$1,261,598	$203,737	$1,057,862
RATLIFF	6959	STRATHERN EL	$1,397,577	$346,597	$1,050,981
RATLIFF	7548	VINEDALE EL	$490,879	$79,896	$410,982
GARCIA	2619	WILSHIRE PARK EL	$996,202	$278,379	$717,823

Appendix C:
Local Area Network Modernization Schedule by School (Requesting E-rate Funding) – 2013

The table on the following pages shows the list of school-based projects for which we plan to apply for E-rate funding.

BOARD MEMBER	LOC CODE	SITE NAME
VLADOVIC	5857	107TH ST EL
LAMOTTE	5877	135TH ST EL
VLADOVIC	5822	153RD ST EL
VLADOVIC	3767	15TH ST EL
VLADOVIC	5753	186TH ST EL
GARCIA	3836	1ST ST EL
GARCIA	7274	20TH ST EL
GARCIA	7288	28TH ST EL
GARCIA	6575	2ND ST EL
LAMOTTE	6808	61ST ST EL
VLADOVIC	6822	66TH ST EL
VLADOVIC	6795	68TH ST EL
VLADOVIC	6630	75TH ST EL
GARCIA	8009	ADAMS MS
VLADOVIC	2096	AMESTOY EL
KAYSER	2178	ARAGON EL
RATLIFF	2205	ARMINTA EL
GARCIA	4322	ARROYO SECO MUSM SCI
ZIMMER	8038	BANCROFT MS
VLADOVIC	8529	BANNING SH
VLADOVIC	2315	BARTON HILL EL
RATLIFF	3577	BELLINGHAM EL
GARCIA	8047	BELVEDERE MS
GARCIA	8057	BERENDO MS
ZIMMER	8696	BERNSTEIN SH
RATLIFF	2486	BRAINARD EL
GARCIA	2521	BRIDGE EL
LAMOTTE	7164	BRIGHT EL
GARCIA	2562	BROOKLYN AVE EL
RATLIFF	8080	BYRD MS
VLADOVIC	2685	CABRILLO EL
GALATZAN	8571	CANOGA PARK SH
RATLIFF	2767	CANTARA EL
KAYSER	8094	CARVER MS

BOARD MEMBER	LOC CODE	SITE NAME
GARCIA	2863	CASTELAR EL
GARCIA	8500	CIVITAS LEADERSHIP
KAYSER	3110	CLIFFORD EL
GALATZAN	3151	COLDWATER CYN EL
RATLIFF	7432	COLUMBUS AVE EL
GALATZAN	8102	COLUMBUS MS
KAYSER	3219	CORONA EL
KAYSER	3356	DAYTON HEIGHTS EL
GARCIA	3315	DENA EL
GALATZAN	8788	EARHART HS
GARCIA	3521	EASTMAN EL
VLADOVIC	8113	EDISON MS
GARCIA	8118	EL SERENO MS
KAYSER	3548	ELIZABETH LC
GARCIA	3671	EUCLID EL
VLADOVIC	3822	FIGUEROA EL
KAYSER	3877	FLETCHER DR EL
KAYSER	3918	FORD BLVD EL
LAMOTTE	8132	FOSHAY LC
VLADOVIC	4014	FRIES EL
VLADOVIC	4041	GARDENA EL
GARCIA	8679	GARFIELD SH
KAYSER	4164	GLENFELIZ BLVD EL
GARCIA	8168	GRIFFITH MS
KAYSER	4681	HARMONY EL
GARCIA	4438	HARRISON EL
VLADOVIC	4466	HAWAIIAN EL
RATLIFF	4493	HAZELTINE EL
GARCIA	8179	HOLLENBECK MS
KAYSER	2375	HUGHES EL
KAYSER	8189	IRVING MS
LAMOTTE	5112	JONES PC
KAYSER	4696	KENNEDY EL
GARCIA	8064	KIM ACADEMY

LAN MODERNIZATION, REQUESTING E-RATE FUNDING

BOARD MEMBER	LOC CODE	SITE NAME
KAYSER	8208	KING MS
GALATZAN	4760	KITTRIDGE EL
GARCIA	1919	LANTERMAN HS
ZIMMER	8226	LE CONTE MS
KAYSER	4863	LIBERTY EL
RATLIFF	4870	LIGGETT EL
GARCIA	8729	LINCOLN SH
GARCIA	2544	MACARTHUR PARK VPA
RATLIFF	8228	MACLAY MS
GARCIA	5137	MARIANNA EL
ZIMMER	8425	MARK TWAIN MS
GARCIA	8611	MENDEZ LC MATH/SCI
GARCIA	8757	METROPOLITAN HS
VLADOVIC	8666	MONETA HS
RATLIFF	5479	NEWCASTLE EL
KAYSER	8264	NIGHTINGALE MS
LAMOTTE	5630	NORMANDIE EL
GALATZAN	8283	NORTHRIDGE MS
KAYSER	2372	OCHOA LC
GALATZAN	8573	OWENSMOUTH HS
RATLIFF	8321	PACOIMA MS
KAYSER	6005	PARK AVE EL
VLADOVIC	6021	PARMELEE EL
GALATZAN	6027	PARTHENIA EL
VLADOVIC	8352	PEARY MS
GARCIA	8731	PUEBLO DE LA HS
RATLIFF	6192	RANCHITO EL
KAYSER	5385	RIORDAN PC
RATLIFF	8116	ROMER MS
GARCIA	8544	ROYBAL LC
KAYSER	4641	SAN ANTONIO ELEM
RATLIFF	8843	SAN FERNANDO SH
GARCIA	6507	SAN PEDRO EL
RATLIFF	6565	SATICOY EL

BOARD MEMBER	LOC CODE	SITE NAME
RATLIFF	8363	SEPULVEDA MS
KAYSER	8153	SOUTHEAST MS
KAYSER	6905	STANFORD PC
GALATZAN	8585	STONEY POINT HS
RATLIFF	8396	SUN VALLEY MS
RATLIFF	8093	SUN VALLEY SH
ZIMMER	8406	SUTTER MS
GARCIA	7219	TRINITY EL
KAYSER	7260	TWEEDY EL
LAMOTTE	7479	VERMONT EL
KAYSER	4640	WALNUT PARK EL
LAMOTTE	7151	WEEMES EL
GARCIA	8748	WEST ADAMS PREP SH
GARCIA	2542	WHITE EL
VLADOVIC	8490	WILMINGTON MS
KAYSER	7959	YORKDALE EL
BOARD MEMBER	LOC CODE	SITE NAME