PROJECT PROGRESS REPORT   CHABOT-LAS POSITAS CCD
Information Technology Equipment   April 1, 2018

Personal Computers

H-P Blade Servers

Equipment Categories of Hardware and Software:

Desktop, laptops and tablets	Printers
Network switches & routers	Servers
Network monitoring tools	Wireless connectivity
Video conferencing	Streaming media
Generators & UPS	Opt-E-Man WAN
25Live Room Scheduling	Portal Software
Document Imaging	Firewalls
System Redundancy	Smart Classrooms
Tape Backup	Consolidated Server Storage – SAN
Virtual Servers	Audio -Visual
DAS – cellular	Telephone systems

Avaya Telephone

Cisco 9400 Switch

IT Projects and Major Accomplishments as of April 2018:

➢Design and Acquisition of latest industry standard 802.11ac DATA wireless equipment

- Predictive design of wireless coverage for each building at each campus.
- Bid for new Wireless equipment and POE switches for inside building wireless. Successful bid of $872K was Board approved.
- Implementation of redundant wireless controllers at each campus for improved performance, uptime and traffic visibility.
- Cabling projects for new locations and installation of access points (APs) in campus buildings.
- Replaced old access points and added new ones.
- 70 % complete. Up to four times the previous coverage when rollout completed.
- Ekahau site surveys done to confirm coverage and service.
- Expected completion by Summer of 2018.
- New equipment can handle the addition of more APs as needed.
- Expanded outdoor coverage to be a follow-on project.

➢Distributed Antennae System (DAS) for improved cellular coverage inside buildings

- Each campus has had a site survey to establish a baseline of carriers, frequencies and signal strength serving the campus buildings.
- Initial discussions with carriers like AT&T have begun for connection to the cellular system.
- Review and analysis of DAS system offerings that meet CLPCCD performance and topology requirements.
- Supplemental DAS connectivity added during DATA wireless improvements.
- Configuration of DAS solution for Las Positas campus underway. Chabot DAS solution to follow after Las Positas.
- Drafting of Bid package for DAS integrator project. Expected release in summer of 2018.

IT Projects and Major Accomplishments as of April 2018:

➢ LPC Building 1000

- Acquisition of state-of-the-art switching equipment and wireless.
- Orders placed for $553K using WSCA Purchasing Program for new computer equipment for labs and classrooms. Requires Win10 and MS Office 2016.
- Building will be enabled with updated classroom AV systems.
- Major rollout to building in June/July 2018.

➢LPC New Telephone system

- Bid and award of LPC Telephone System equipment for Avaya Systems. Bid for $862K pending April 17, 2018 Board approval.
- Provide compatibility with Avaya Systems at Chabot and District.
- Complete replacement of existing campus voice and voicemail system.
- Expanded capacity for B1000 and future buildings.
- Phone System rollout in summer 2018.

➢CLPCCD, LPC and Chabot server environment enhancements

- Blade/SAN upgrades and new acquisition for improved server performance.
- Associated upgrades of network connectivity in Data Centers for 10 Gigabit speeds and performance improvements.

➢Chabot campus PC Upgrades

- Desktop refresh for summer of 2018.
- Purchase for new technology desktops and laptops for faculty and computer labs. $216K using WSCA Purchasing Program pending April 17, 2018 Board approval. Requires Windows 10 and MS Office 2016.

➢Other application system changes

- Banner Document Management System (BDMS) will be upgraded during the Banner 9 migration in October 2018 to increase storage to support new user groups.
- Luminus Web portal will be upgraded to Luminus 5 as part of the Banner 9 upgrade in October 2018.
- 25Live Room Scheduling System is fully operational for both colleges as of fall 2017.

IT Projects and Major Accomplishments as of April 2018:

➢**Conversion of Opt-E-Man to new AT&T ASE technology**

- Implemented new Opt-E-Man for CLPCCD campus connectivity in 2008.
- AT&T has migrated to the new Switched Ethernet service (ASE) on CalNet-3.
- More bandwidth for the same price which is 5 times the speed for less cost.
- Improved response times for enterprise systems, email and file sharing.
- Planned for fall of 2018.

➢**Improved CENIC Internet connections at each campus**

- Community Colleges are being upgraded to 10 Gigabit connections for Internet access.
- Each of Chabot and Las Positas will have separate 10 Gigabit connections.
- CLPCCD ITS bid and acquired enhanced FirePower platforms . Bid for $359K was Board approved.
- This provides advanced threat detection and protection of campus network resources.