



IT BOND PROJECT UPDATE

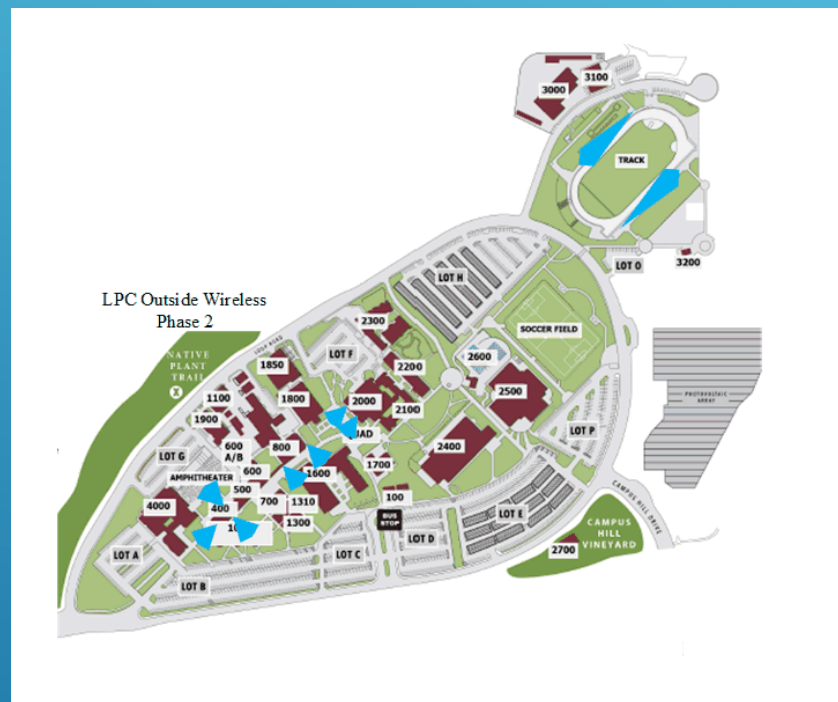
CHABOT-LAS POSITAS CCD
January 22, 2020



IMPLEMENTATION OF LATEST INDUSTRY STANDARD 802.11AC DATA WIRELESS EQUIPMENT

Recent Activity

- Expansion of wireless coverage to LPC PE Track area.



- Coordination with all new building designs for comprehensive indoor and outdoor coverage for new building designs.

DISTRIBUTED ANTENNAE SYSTEM (DAS) FOR IMPROVED CELLULAR COVERAGE INSIDE BUILDINGS

Recent Activity

- LPC Campus is fully commissioned for both AT&T and Verizon carriers. Exceptional signal transmission in all buildings.



- Sprint and T-Mobile are TBD due to company merger/restructuring
- Chabot DAS project is dependent on new MPOE project completion.
- Limited preparations at Chabot include:
 - IDF upgrades B1100, B3000
 - IBWave survey
 - Electrical upgrades in IDFs
 - Fiber Reflectance improvements.

NETWORK UPGRADES

Recent Activity

- Rearchitecture of network equipment for CORE routing at each campus.
- Design and configuration of new Cisco 9500 switching environment to offload aging 6509 switches. Planned for deployment 1/19-20.
- Design of multiple VRF environment for traffic control in conjunction with firewall implementation.

FIREPOWER DEPLOYMENT

Recent Activity

- Cisco FirePower NextGen firewall equipment and base configuration in place at Chabot and LPC campuses.
- LPC OpenWifi moved to ASA5585. Chabot OpenWifi scheduled for move on 1/19-20.
- Reviewing rules for internal traffic routing.
- First step implementation for instructional VLAN firewall processing to observe performance and advanced firewall management.

LPC AUDIO-VISUAL UPGRADES

Recent Activity

- Replacement of old and failing AV equipment in 7 classrooms: projectors, instructor's station electronics, screens,.
- Renovation of 2420 lecture hall rear-projection screen. Replacement with state-of-the-art LED display.



CHABOT MPOE REPLACEMENT

Recent Activity

- DSA Approved Drawings have been received.
- Internal review before bidding on 1/14/2020.
- Construction expected to begin in summer of 2020.
- Includes renovations in B100 to accommodate the relocation of the Learning Skills Testing rooms.
- After construction completes, up to a year of work is required to convert voice and data services and add DAS system.

FMO PROJECT SUPPORT

Chabot

- New Biology 3200 building walkthroughs and infrastructure inspections. FA fiber connectivity to new loop.
- FA Upgrade fiber installation.
- Fire Station #6 review with City of Hayward.
- Chabot Baseball DB drawings review.
- Chabot New Library SD design feedback.

LPC

- New B2100 Building design meetings. Detailed data design underway.
- PSC/AMT design meetings.
- LPC Horticulture building design meetings
- LPC Viticulture / New campus entrance exploratory meetings.

SECURITY MASTER PLAN

Emergency Call Station Deployment

- Designing infrastructure upgrades in support of STENTOFON deployment.
- Prototype implementation at each campus underway.
- Coordination with campus telephone system service provider for SIP connectivity.