



IT BOND PROJECT UPDATE

CHABOT-LAS POSITAS CCD
April 24, 2019



IMPLEMENTATION OF LATEST INDUSTRY STANDARD 802.11AC DATA WIRELESS EQUIPMENT

Recent Activity

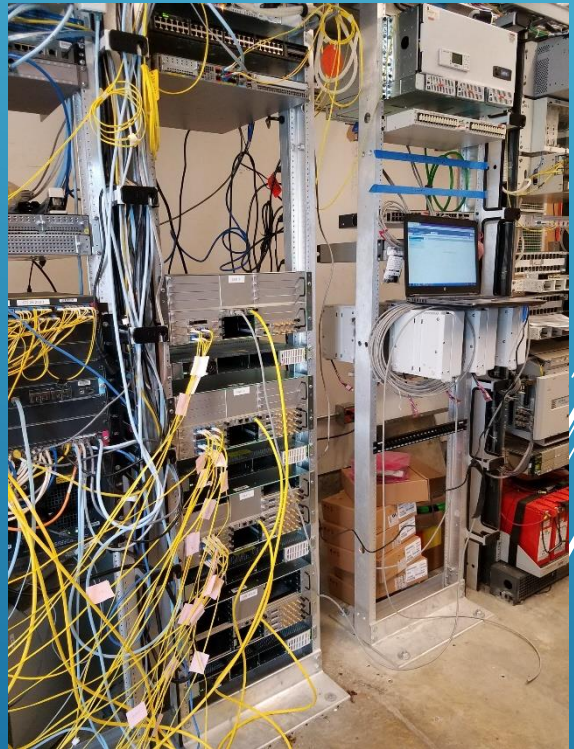
- Exterior wireless augmentation in design
- Major Chabot outside areas already provisioned – Cesar Chavez, Grand court. Developing scope for additional wireless to Athletic areas
- LPC outside seating areas by Library/Science, B1600, Amphitheatre, B1000.



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

Recent Activity

- IBWave Design adjusted for carrier 4/6 sector designs.
- UAP and TEN equipment installed in buildings. Equipment burn-in in progress.
- IPOI and GPS switching equipment being procured.
- Carrier contracts in place for T-Mobile, Verizon and AT&T.
- AT&T rack build underway. Transport being researched.
- Verizon site walks have occurred.
- B1900A enhancements for carrier connectivity being scoped.



CHABOT BACKBONE CABLING

Recent Activity

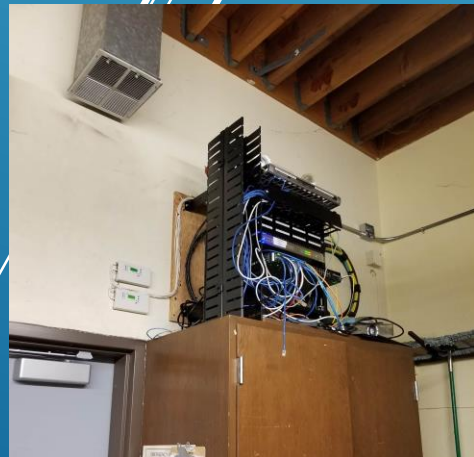
- New cabling provided to 1100, 1500, 1600, 2000, 2100, 2300, 2400, 3000, 3100, 3400, 3500, 3800, 3900
- Termination complete. Testing underway.
- Completion in April of 2019.



CHABOT SWITCH DEPLOYMENT

Recent Activity

- Replacement of 45+ switches across Chabot campus with new Cisco 3650 switches.
- Increased Gig performance and POE+ connectivity for future AV, security, BAS and other network devices.
- Ideal opportunity for knowledge building of network staff.
- Hands-on expertise developed, applicable to District-wide support.
- 10G rollout to B3900, B1600, B2300.



CHABOT MPOE REPLACEMENT

Recent Activity

- Current location in B200 cannot be expanded. Building is targeted for demolition.
- New MPOE/MDF/DAS Head End rooms required to support future campus growth and new technologies.
- Repurposing of B300 first floor spaces.
- Relocation of IT storage and training room to free up B100 spaces.
- Relocation of DESP and classroom spaces to new Chabot buildings, with appropriate space modifications to accommodate program needs.
- Design underway with construction targeted for 2020. After construction, up to a year of work to convert voice and data services and add DAS system.

