



# IT BOND PROJECT UPDATE

**CHABOT-LAS POSITAS CCD**  
January 23, 2019

# DESIGN AND ACQUISITION OF LATEST INDUSTRY STANDARD 802.11AC DATA WIRELESS EQUIPMENT

## Recent Activity

- Dublin site rollout completed.
- Chabot major rollout completed. Theatre and Child Care remaining, to be coordinated with other construction activity.
- Ekahau walkthroughs completed, for verification of wireless transmission.



## Past Activity

- Chabot Bookstore rollout completed
- LPC Campus completed.

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

## Recent Activity

- IBWave Design complete.
- Custom UAP mount fabricated for seismic security and aesthetics.
- All DAS equipment verified for functionality on test bench.
- CommScope verification of DAS start-up and deployment
- UAP and equipment installation proceeding in Nov-Jan.
- Proofing of transmission throughout buildings to verify design versus as-built coverage.
- Carrier coordination underway. Engineering design for effective 911 sectoring under discussion. Supplemental head-end hardware refinement to follow.



## Past Activity

- Procurement and IBWave Design.

# CHABOT BACKBONE CABLING

## Replacement Backbone Cabling

- Legacy buildings still equipped with Multimode Fiber cabling and old telephone cabling from 1990s.
- Limits bandwidth, connectivity and reliability of voice and data.
- New cabling provided to 1100, 1500, 1600, 2000, 2100, 2300, 2400, 3000, 3100, 3400, 3500, 3800, 3900
- Cabling in January of 2019 and Spring Break. Completion in April of 2019f



# LPC SWITCH DEPLOYMENT

## Cisco 3650 Rollout

- Replacement of 35+ switches across Las Positas campus.
- 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.
- Chabot to follow in 2019/

