

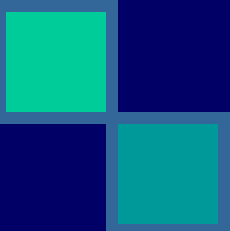

ITS Plans for Bond Measure



J. Methe




Objectives of March Review

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- Ensure ITS expansion provides improved systems access, performance, and stability for the Colleges as technology becomes an integral part of the campus activities
 - Perform Independent Assessment with Network Firm
 - Review Data Center Location Options & Submit Final Recommendation
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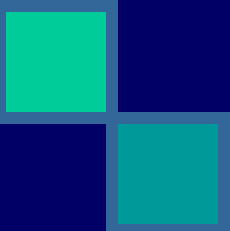



Current Data Center Situation

- Data Center is located at Chabot College
 - Limited space due to contention with classroom requirements in Building 300
 - Chabot facility cannot provide stand-alone operation for the data center
 - Most colleges keep the data center in a separate facility or shared with the administration, not classroom space
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Independent Evaluation by LanLogic

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- LanLogic vendor was selected due to their past experience with technology improvements in the Santa Clara and Pleasanton school systems and their involvement with bond measures in these districts
 - LanLogic assessment was performed in March 2004 at no costs to the district and no future commitment for follow-on work
 - Both CLPCCD management and detail analysts from the ITS organizations from the District and Colleges were included in the analysis
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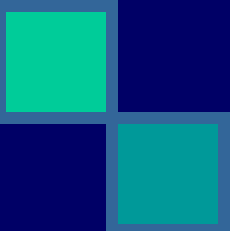

Observations & Recommendations

- Current Chabot facility cannot accommodate the new proposed network infrastructure
 - Recommended that the District server/network area be expanded to at least 4 times the size today
 - Chabot facility cannot satisfy this square footage even with the possible expansion of the District ITS in Building 300 – less than 2 times the size
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Observations & Recommendations

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- Chabot would require the relocation of the network connections and District servers twice (once to temporary space and then again to the renovated building), thus increasing costs and interruption to colleges
 - Location of the data center is no longer dependent on the size of the college since Las Positas will expand twice the size making the colleges comparable
 - Chabot does not allow for further expansion if needed as the technology needs grow
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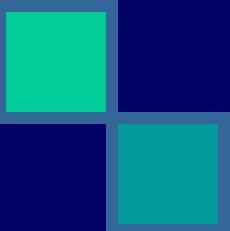

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Observations & Recommendations

- Vendor recommendations for equipment & infrastructure changes were in sync with CLPCCD planned technology improvements for the Bond
 - Independent evaluation confirmed that the CLPCCD team had performed a comprehensive job in their technology assessment for the colleges
 - Vendor commented that our ITS staff were “exemplary” in comparison to other school districts in technical knowledge and abilities to support the complex infrastructure with limited resources
 - Vendor concluded that the LPC location for the data center was the best option to satisfy our future needs
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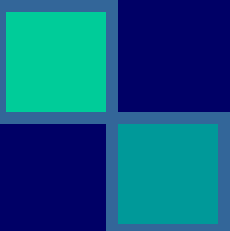



Data Center Recommendation

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- Las Positas has land available for construction of a new ITS Technology Building
 - Building costs of \$4.8M is less than 1% of the total Bond measure
 - Network infrastructure and District data center gains even more importance as Las Positas doubles in size and Chabot increases its smart classroom capability
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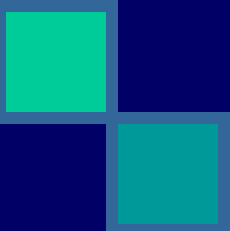



Data Center Recommendation

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- In past, data center needs were squeezed into multiple areas where space was available including janitor closets for critical network connections
 - Today the investment in technology must be adequate and stable to support the proposed facility improvements for expanded campus automation
 - The new facility at LPC provides for the recommended space allocation for the data center
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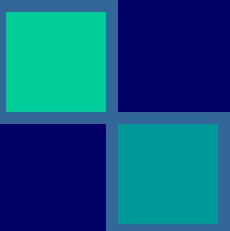



Data Center Recommendation

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- The proposed building location at the end of the campus also provides for future expansion if needed
 - The separate building allows for independent operation for power and backup generators
 - The network infrastructure move to LPC is the ideal situation
 - New facility being constructed while the old is still in operation
 - Cutover occurring only once, thus less costs and less interruption to the colleges
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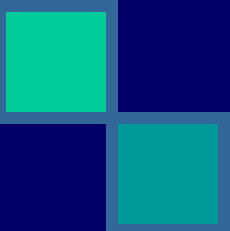


Data Center Recommendation

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- There is no contention with classroom space at LPC & Chabot gains substantial space from ITS
 - Data center will be located closest to the highest density of computer users for the colleges
 - Experts recommend that the data center not be on any earthquake fault as part of best practices for disaster recovery
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Data Center Recommendation

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- The new ITS Technology Building will contain:
 - District Servers & Network Infrastructure
 - Las Positas Local Servers & Infrastructure
 - Training Room Facilities
 - Video Conferencing & Meeting Rooms
 - Computer Lab & Workbenches
 - Warehouse & Computer Storage Facilities
 - Generators & UPS backup equipment
 - District ITS and Las Positas ITS Office Space
 - The ITS Technology Building will be a “class A” facility as it should be based on its importance
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