Contra Costa Community College District

District-Wide Strategic Infrastructure/Telecommunications Plan

Final Report

March 3, 2009

Contra Costa Community College District

District-Wide Strategic
Infrastructure/Telecommunications Plan

Final Report

February 25, 2009

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Executive Summary

Purpose of the Engagement

Contra Costa Community College District (District) engaged WTC Consulting, Inc. (WTC) to assist the District with identifying communications needs and developing a District-Wide Strategic Infrastructure / Telecommunications Plan for data, voice, and video communications.

Engagement Approach

WTC completed the following steps:

Step 1: Worked with the two teams, Working / Steering Group and Policy Group, to identify four major strategic business issues:

- What to do with the technology infrastructure?

- What level of redundancy and survivability is needed by the District?

- What should be the rate of adoption for Voice over IP?

- What to do with the current outdated telephone system?

Step 2: Worked with the Working Group to define 10 configuration alternatives for voice, data, wireless, and Wide Area Network (WAN) architectures.

Step 3: Prepared a Port Model™ to represent sizing requirements and growth through the year 2015.

Step 4: Conducted a physical survey of all 174 telecommunication rooms (TRs).

Step 5: Analyzed the existing voice, data, wireless, and WAN environments.

Steps 6 and 7: Prepared capital and life-cycle budget estimates.

Steps 8 and 9: Developed a recommendation and held meetings with District Cabinet to gain their guidance.

Step 10: Created a Strategic Plan and a 7-year Timing of Funds model.

Key Findings and Conclusions

Following are key findings and conclusions:

- For voice and data architecture, capital budget estimates ranged from $8.87 - $13.04 million and life-cycle budget estimates ranged from $16.97 - $25.86 million.

- Migrating to a common cable plant, a VoIP-equipped voice system, and upgrading the existing LAN is the most practical next step. This allows for migration to VoIP and is the most appropriate strategic direction for the voice and data architecture. The capital cost estimate is $12.82 million and the life-cycle cost over seven years is $25.84 million.

- Increasing the redundancy and survivability of the voice, data, and WAN architecture will benefit the District with more resiliency, unified management, smooth deployment of new services, and the addition of high bandwidth applications.

Recommendations and Next Steps

Following are recommendations and next steps:

- Determine the changes needed for unified management of the voice, data, and WAN services.

- Determine the procedures needed to manage the ongoing support of the networks.

- Develop District-wide policies and standards for wired and wireless LAN Ethernet infrastructure management and WAN access.

- Conduct an RFP process for a voice system using Configuration X and include purchasing agreements for LAN and WAN systems.

- Prioritize upgrades of the physical infrastructure and develop a four-year upgrade plan.

- Conduct an analysis of the District's cost and funding processes in light of the District's strategic technology directions.

1 Purpose of the Engagement

Contra Costa Community College District (District) engaged WTC Consulting, Inc. (WTC) to assist the District with identifying future communications requirements based on business needs and developing a District-wide Strategic Infrastructure / Telecommunications Plan for providing data, voice, and video communications to support future business needs.

2 Engagement Approach

The following sections outline the key steps in the approach taken to complete this engagement.

2.1 Step 1: Established Engagement Teams

The following two teams were established to provide guidance and assistance throughout the strategic planning process.

- *Working / Steering Group:* The role of this Group was to develop a working understanding of the scope and intent of the engagement and to provide necessary input at key points during the strategic planning process. The Steering group members also provided consistency regarding policy decisions and operational preferences, tested the impact of new policy directions, and assessed risk.

- *Policy Group:* The role of this Group was to provide leadership and direction on business objectives and priorities during the engagement.

The list of members for each of these teams appears in the Planning Assumptions document located in Attachment I.

2.2 Step 2: Developed Planning Assumptions

WTC worked with the engagement teams to develop a Planning Assumptions document. This document formalized the understanding of the engagement scope, provided consensus regarding the specific issues pertaining to the engagement, and served as a guide during the engagement process. A final version of the Planning Assumptions document accompanies this report in Attachment I.

In the following sections, we detail the key assumptions and constructs

developed during the planning assumptions process.

2.2.1 *Basic Assumptions:* The following are basic assumptions underlying the strategic planning alternatives considered during the engagement:

- The planning horizon is now through the year 2015.

- The strategic plan developed would be practical.

- Alternatives would address both choices and the consequences of these choices.

- Examination of alternatives would include all significant District facilities, both existing and planned.

- Communications infrastructure would encompass the telephone system, the local area wired and wireless networks, the District wide-area network, and include both physical infrastructure and systems.

2.2.2 *Strategic Business Issues:* The following strategic issues were identified by the engagement teams as key drivers for the alternatives to be modeled.

- *Convergence:* Should the District migrate to a common cable plant for its voice and data networks or continue to maintain separate networks?

- *Rate of Technology Adoption:* How quickly should the District move toward adopting Voice over Internet Protocol (VoIP) technology?

- *Strategies for the Survivability:* Should the District develop a more survivable voice and data network or continue with the current survivability level?

2.2.3 *Configuration Alternatives:* The configuration alternatives developed addressed three physical infrastructure treatments and five voice system alternatives. Table I illustrates the voice and data configuration alternatives that were modeled in this strategic planning effort.

Table I Configuration Alternatives				
Infrastructure	Combined Infrastructure: Prepare Common Cable Plant However, Do Not Deploy VoIP	Combined Infrastructure: Common Cable Plant for the Voice and Data Networks Using Partial Converged VoIP		Combined Infrastructure: Common Cable Plant for the Voice and Data Networks Using Converged VoIP
Description	Upgrade LAN (No POE) Existing Mitel 100% Digital Phones 0% VoIP phones Convenience Wireless Video = IPTV	Upgrade LAN (100% POE) Upgraded Mitel 50% Digital Phones 50% VoIP phones Convenience Wireless Video = IPTV	Upgrade LAN (100% POE) New Hybrid IPPBX 50% Digital Phones 50% VoIP phones Convenience Wireless Video = IPTV	Upgrade LAN (100% POE) Upgraded Mitel 0% Digital Phones 100% VoIP phones Convenience Wireless Video = IPTV
Current Survivability	I	II	III	IV
More Survivability	VI	VII	VIII	IX

(Note: the table in the image has five data columns. The fifth column reads: Upgrade LAN (100% POE), New IPPBX or Network-Based VoIP, 0% Digital Phones, 100% VoIP phones, Convenience Wireless, Video = IPTV; Current Survivability V; More Survivability X.)

2.3   Step 3: Developed the Strategic Sizing Forecast

2.3.1   WTC prepared a sizing document referred to as a Port Model™. This model represents the sizing and general interface requirements of the District's physical infrastructure and its voice, data, and wireless networks. This model also identifies potential growth through the year 2015.

2.3.2   The Port Model reflected the different ways in which voice and data ports and devices are handled in each of the ten configuration alternatives. Three separate Port Models were developed to accommodate these variances.

2.3.3   The Port Model reflected the anticipated growth in voice and data ports during the planning horizon. The Working Group assigned voice and data growth treatments to each District building of low, medium, or high. Tables II and III show the treatment for each of

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these growth types. Growth percentages are not cumulative; all percentages are applied to the 2008 data received from the District.

Table II Growth Treatment for Data Network					
		Working @ Cut	Equipped	Wired	Capacity
Growth Type	*2008*	*At Year 1 2009*	*At Year 2 2010*	*At Year 4 2012*	*At Year 7 2015*
Low	Data from District	1%	3%	10%	20%
Medium	Data from District	2%	10%	30%	60%
High	Data from District	4%	20%	50%	100%

Table III Growth Treatment for Voice Network					
		Working @ Cut	Equipped	Wired	Capacity
Growth Type	*2008*	*At Year 1 2009*	*At Year 2 2010*	*At Year 4 2012*	*At Year 7 2015*
Low	Data from District	0%	1%	2%	5%
Medium	Data from District	1%	2%	5%	10%
High	Data from District	1%	3%	10%	20%

2.3.4   The Port Model was generated on August 29, 2008, and delivered to the District on September 4, 2008.

2.4   Step 4: Conducted a Physical Infrastructure Survey

2.4.1   WTC conducted a physical survey of 174 telecommunication rooms (TRs) in 105 District buildings.

2.4.2   The survey process included examination of 120 TR survey elements including space, environmental, equipment, copper cable, fiber optic cable, and code and safety issues. The process also included taking photos of each TR surveyed to document the conditions of the TR.

2.4.3   The survey process examined each of the TRs for both maintaining separate cable plants for voice and data (non-combined) and migrating to a common cable plant for voice and data (combined).

2.4.4   The survey process included examination of typical cost factors such

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as size and location of TR, recabling requirements, difficulty of horizontal recabling, air conditioning, electrical, and storage removal needed.

2.4.5   WTC generated a TR Profile Book detailing the conditions of the TRs surveyed as well as the budgets required for upgrades. The TR Profile Book was delivered to the District on September 4, 2008.

2.5   Step 5: Evaluated Existing Technology Environment

The Working Group reviewed the existing voice and data environments:

2.5.1   Data Networks

Reviewed the core data site at the District Office along with backup procedures and connectivity to each campus.

2.5.2   Wireless Networks

Prepared a wireless database including existing wireless access point information from each campus and matched the information with the TR survey analysis.

2.5.3   Voice Networks

Reviewed the Mitel system configurations for each of the 6 Mitel systems throughout the District. Conferred with the Mitel engineering staff at Mitel Direct regarding possible upgrades to the existing systems and the ability of the systems to support new technologies such as VoIP.

2.5.4   Wide Area Networks

Determined the existing wide area network (WAN) configuration throughout the District. Conferred with AT&T regarding the possible upgrades to the WAN that would allow for a more survivable infrastructure. The existing WAN connectivity is shown in Exhibit I.

Exhibit I
Existing WAN Connectivity

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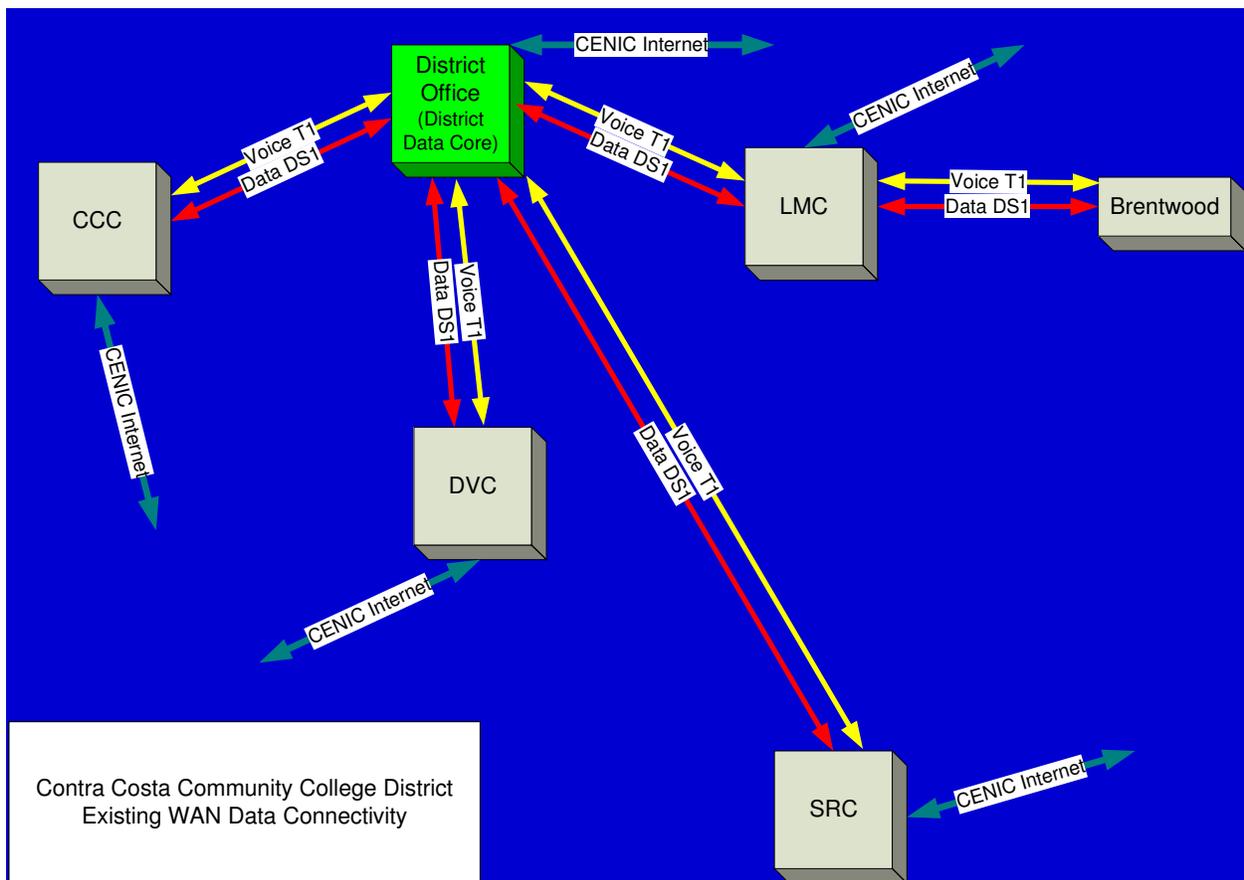
2.6   Step 6: Prepared Capital Budgets

2.6.1   WTC prepared capital budget estimates for the 1) infrastructure, 2) voice and data, 3) wireless LAN, and 4) WAN configuration alternatives.

2.6.2   The capital budgets for the voice and data configuration alternatives include the following elements:

2.6.2.1   *Inside Plant Infrastructure:* 1) TR upgrades, 2) remodeling and rebuilding TRs, 3) re-cabling and reinstalling cable, 4) HVAC and electrical, 5) removal of storage from TRs, 6) inside cable plant upgrades, 7) additional riser cable, 8) additional horizontal cable, and 9) design and implementation costs.

2.6.2.2   *Outside Plant Infrastructure:* 1) Additional single mode fiber and copper for campus buildings and 2) additional WAN connectivity to campuses for more survivability.

2.6.2.3   *Voice System:* 1) Base system, 2) hardware and software, 3) licensing, 4) design and engineering, 5) implementation and project management, 6) on-site training and implementation help desk, 7) removal of existing system, and 8) end-user telephone devices.

2.6.2.4   *Voice Adjunct Systems:* 1) Voice mail w/Unified Communications, 2) E-911 System, 3) ACD/Call Center, and 4) Tele-management System.

2.6.2.5   *Data Network:* 1) LAN electronics, 2) network design and engineering, 3) removal of existing electronics, and 4) switch configuration and installation.

2.6.2.6   *Data Network Adjunct Systems:* 1) Network management, 2) identity management system, 3) firewall and intrusion prevention/detection systems, and 4) Virtual Private Network (VPN) system.

2.6.2.7   *Wireless Data Network System:* 1) 802.11x wireless system survey for each campus and 2) inside and outside wireless access points, wireless management system.

2.6.2.8   *Wide Area Network System:* 1) AT&T AVPN MPLS
Ethernet connectivity to each campus capable of 10Mbps
transmission speeds, 2) redundant campus entrances for
main campuses, 3) non-recurring connection charges, 4)
non-recurring management charges, and 5) router
equipment. The more survivable WAN connectivity used in
Configurations VI through X is shown in Exhibit II.

Exhibit II
More Survivable WAN Connectivity

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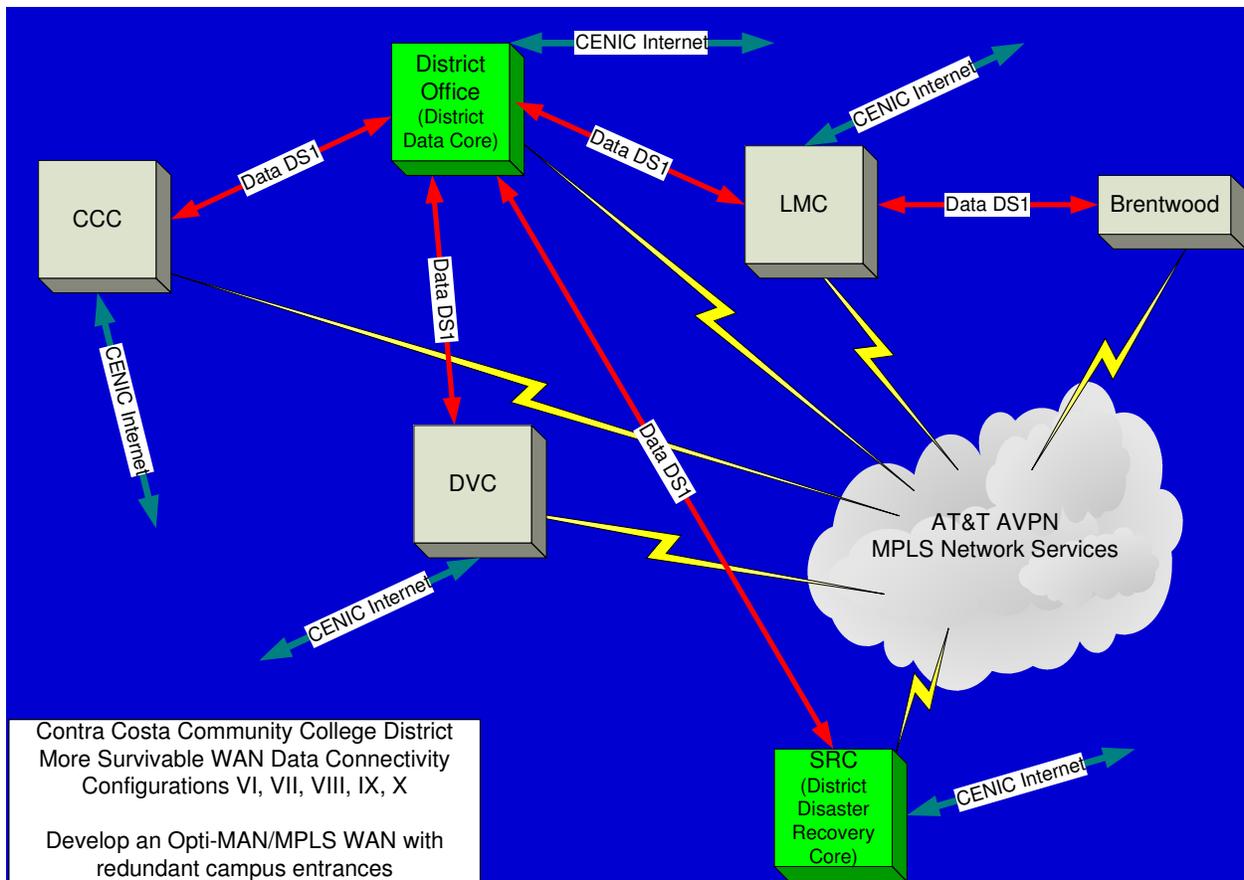
2.6.2.9 *Implementation for Voice, Data, and Wireless:* 1) Contingency (10.00%), 2) overhead (4.00%), 3) implementation oversight services (5.00%), 4) RFP or Bid process (5.00%), and 5) Final Design and Master Purchase Agreement Negotiations Process (3.00%).

2.6.2.10 *Implementation for Inside and Outside Plant Infrastructure:* 1) Contingency (10.00%), 2) overhead (4.00%), 3) engineering and drawings (6.00%), 4) implementation oversight services (5.00%), 5) RFP or Bid process (5.00%), and 6) Final Design and Master Purchase Agreement Negotiations Process (3.00%).

2.6.2.11 Capital cost model details are included in the following attachments:

- Attachment II, Infrastructure Capital Costs
- Attachment III, Voice Network Capital Costs
- Attachment IV, Data Network Capital Costs
- Attachment V, Wireless LAN Costs
- Attachment VI, Wide Area Network Costs
- Attachment VII, Summary of Capital Costs

2.7 Step 7: Prepared Life-Cycle Budgets

2.7.1 WTC prepared life-cycle budget estimates for the ten voice and data configuration alternatives.

2.7.2 The life-cycle budgets for the voice and data configuration alternatives include the following elements:

2.7.2.1 *Voice System:* 1) Capital costs including refresh costs, 2) growth including planned capital, and 3) recurring charges for operations and maintenance.

2.7.2.2 *Data Network*: 1) Capital costs including refresh costs, 2) growth including planned capital, and 3) recurring charges for operations and maintenance.

2.7.2.3 *Wireless Network:* 1) Capital costs including refresh costs, 2) growth including planned capital growth, and 3) recurring charges for maintenance.

2.7.2.4   *WAN Network:* 1) Capital costs including router equipment refresh costs, 2) growth including planned capital, 3) access charges, 4) bandwidth charges, 5) mileage rate, and 6) managed services.

2.7.2.5   Capital cost model details are included in Attachment VIII, 10-Year Life-Cycle Costs.

2.7.3   The hardware and software refreshment cycles shown in Table IV were used for the life-cycle budgets:

Table IV Hardware and Software Refresh Cycles	
Category	*Number of Years*
Voice System Hardware and Software	7
Voice Adjunct Systems	5
Data Network Core and Distribution Electronics	5
Data Network Edge Electronics	5
WAN Routers	5
Data Un-interruptible Power Supply Systems	4
Wireless Controllers	4

2.8   Step 8: Recommended a Strategy

Based on business considerations and the results of the analysis of capital and life-cycle costs, WTC made recommendations to the District on the voice and data architecture.

2.9   Step 9: Reviewed Final Results with the District Cabinet

Capital, life-cycle costs, and recommendations were reviewed with the District Cabinet. The Cabinet responded with directives for the Working Group to do more research in certain areas of technology and District finance issues.

2.10 Step 10: Created a Strategic Plan

Based on the engagement teams' endorsement of the recommended strategy, WTC developed a roadmap for the planning horizon together with a

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timing of funds model.

Timing of Funds model details are included in Attachment IX, Timing of Funds Model.

3   Findings and Conclusions

In this section, we detail our findings and conclusions for the engagement. We have organized the findings and conclusions into the following strategic planning categories: 1) Physical Infrastructure, 2) Projected System Growth, 3) Voice and Data Architecture, 4) Capital Budget - Voice and Data, and 5) Life-Cycle Budget - Voice and Data.

3.1   Physical Infrastructure

3.1.1   Table V shows the classification of the 174 TRs examined during the physical surveys.

Table V Classification of Telecommunication Rooms in the Physical Survey		
Treatment	*Number of TRs*	*Average Cost*
None / Limited Cost: Simply needing maintenance	34	$2,000
Level A Remodel: Simple adjustments	50	$15,000
Level B Remodel: More aggressive adjustments	27	$21,000
Level C Remodel: Very aggressive adjustments	5	$29,000
Abandon: TR should not be used	46	$25,000
Rebuild: TR should be rebuilt	12	$83,000
Total	174	$21,227

3.1.2   Inside Copper Cable Plant

3.1.2.1   The majority of inside copper cable supporting the data network is Category 5 or better. The majority of the inside copper cable supporting voice services is Category 3 voice grade.

3.1.2.2   The District does not have a District-wide standard for all campuses to use. Therefore, there are different decisions made at each campus resulting in each campus managing its own stock, supplies, and technical support.

3.1.3   Outside Cable Plant

3.1.3.1   Most campus buildings are connected to the campus core voice and data systems with both copper and fiber optic cabling.

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3.1.3.2   The existing outside copper cable will support growth to Capacity as forecasted in the Port Model. However, two of the campuses (CCC and DVC) report that portions of the outside plant copper cabling are affected by water damage. This has limited the available pair counts on several cables to the point that the copper cable does not support the number of telephones needed in certain areas of the campus.

3.1.3.3   Most fiber optic cabling is older 62.5 micron fiber that does not support speeds greater than 1 GB.

3.1.3.4   Most campuses have only one connection to the WAN for all campus buildings.

3.1.4   Migration to VoIP technology, whether partial or total, will be dependent upon completion of upgrades to the District TRs, fiber optic cable plant, and WAN connections to campuses.

3.2   Projected System Growth

The graph in Exhibit III shows the projected growth of District analog voice, digital voice, data network, and wireless access ports based on the Port Model.

Exhibit III
Port Growth by Technology

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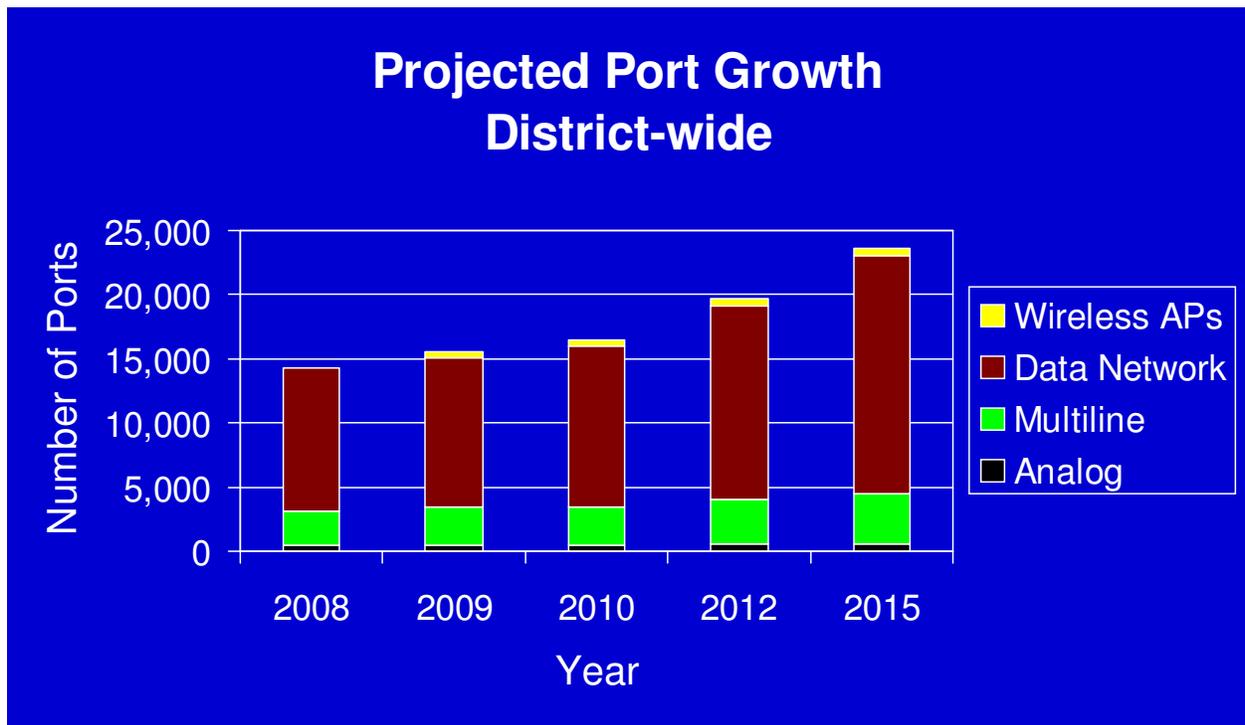
The graph in Exhibit IV shows the projected growth of District ports by campus based on the Port Model.

Exhibit IV
Port Growth by Campus
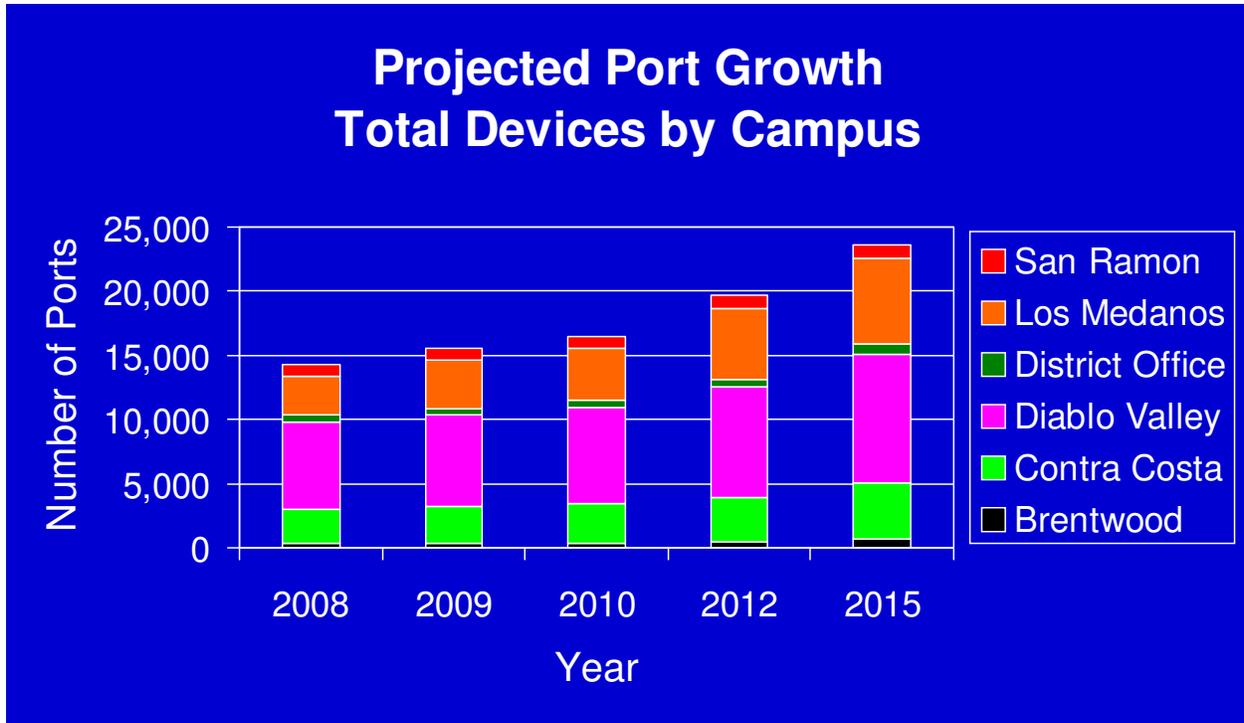
3.3 Voice Architecture

3.3.1 The existing voice system, consisting of six separate Mitel systems, has been in operation for more than 10 years.

3.3.2 The existing Mitel systems would need major upgrades to either continue operation in Time Division Multiplexing (TDM) mode or upgrade to support new technologies such as VoIP. Mitel reported the following:

3.3.2.1 Mitel does not have a determined EOL (End of Life) at this time for the TDM product, nor any public release on when those will no longer be supported. We are certainly recommending IP to the majority of our customers.

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3.3.2.2 Mitel has developed aggressive trade-in programs to encourage customers to migrate their voice systems from the TDM platform to the VoIP platform.

3.3.2.3 When asked "Is it safe to say that the client should upgrade to a VoIP capable system instead of putting all their upgrade money into the non-VoIP platform?" a Mitel direct engineer answered "It would be a smart choice, in my opinion."

3.3.3 Research of the telecommunications industry confirms the comments from Mitel. Exhibit V shows the industries increasing migration to VoIP platforms in lieu of TDM platforms.

Exhibit V
Telecommunication Industry's Shift to VoIP

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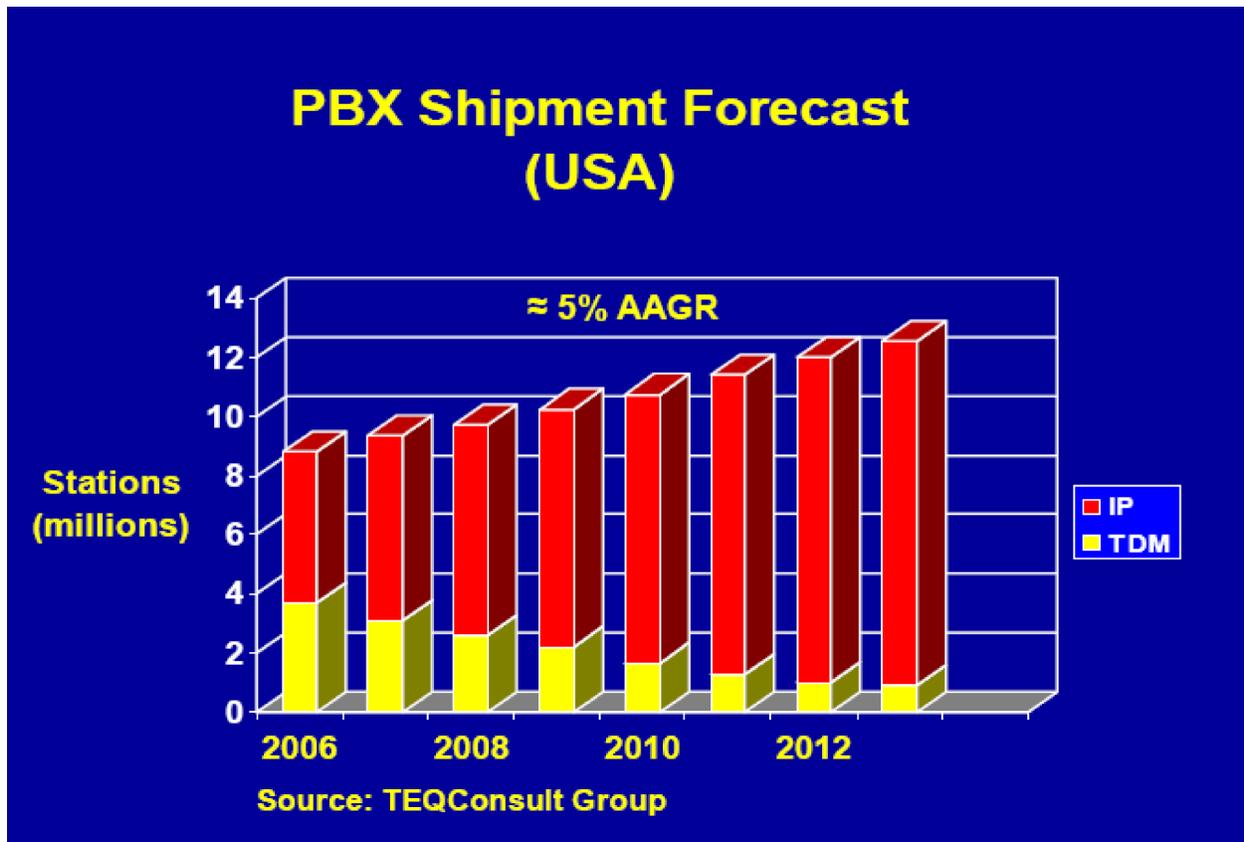
3.4   Data Architecture

3.4.1   For the most part, campus LANs are managed by the individual campuses.

3.4.2   The existing non-unified approach to management of campus LAN Ethernet infrastructure would limit the District's strategic choices for its communications infrastructure and impede eventual migration to new voice technologies. Management of campus LAN Ethernet infrastructure refers to management of the distribution cable plant, the Ethernet horizontal and vertical riser cable plant, and the Ethernet LAN switches and routers. It does not include systems and applications connected to the LAN.

3.4.3   Establishing a common cable plant gives the District the most flexibility in choosing future technologies.

3.4.4   Migration to VoIP on a District-wide basis will require unified management of campus LANs.

3.5   Capital Budget - Voice and Data

3.5.1   Exhibit VI depicts the capital budget requirements for the ten voice and data configuration alternatives.

Exhibit VI
Capital Cost for all Configurations
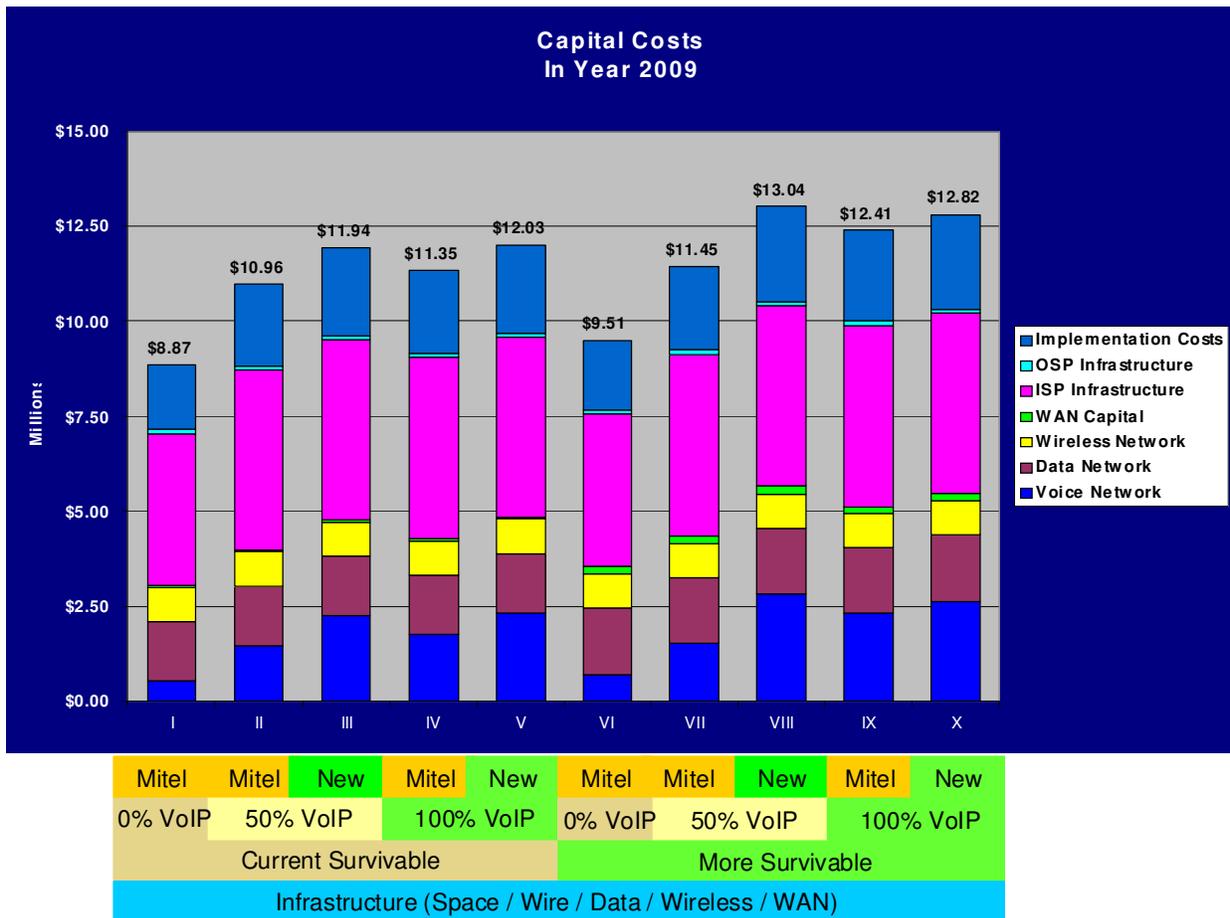
3.5.2   The capital budget details appear in Attachments II through VII.

3.6   Life-Cycle Budget - Voice and Data

3.6.1   Exhibit VII depicts the life-cycle budget requirements for the twelve voice and data configuration alternatives.

Exhibit VII
7-Year Life-Cycle Costs for all Configurations
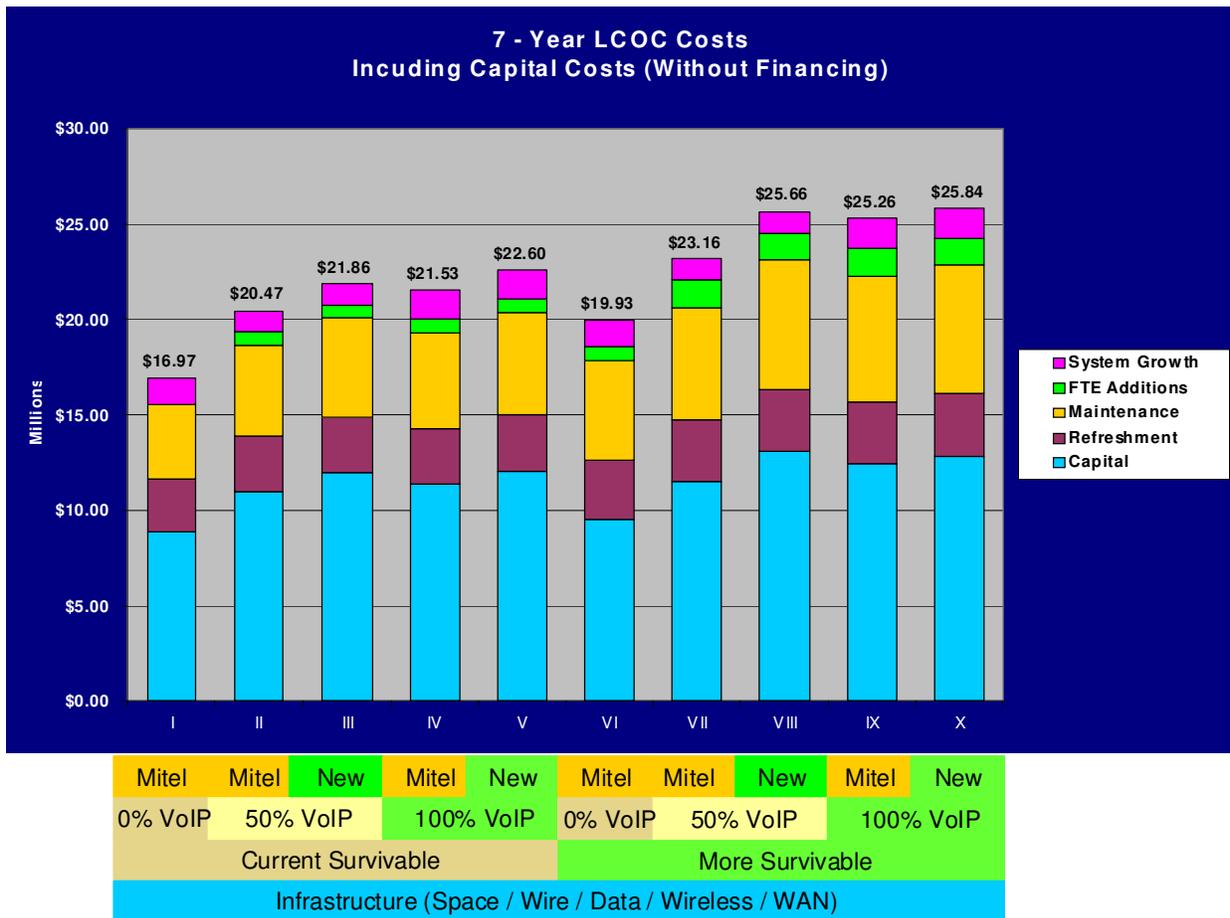
3.6.2   The life-cycle budget detail appears in Attachment VIII.

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3.7   The Teams' Recommendation to the Cabinet

The Teams' findings and discussions determined the following conclusions:

3.7.1   Infrastructure changes throughout the District are required no matter what configuration is chosen.

3.7.2   The cost delta to develop a more survivable solution is relatively low compared to the overall cost of the solutions. Therefore the Working Group eliminated Configurations I-V from consideration. Exhibit VIII shows this change in the Configuration choices.

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Exhibit VIII
7-Year Life-Cycle Costs
Without Less Survivable Configurations I through V

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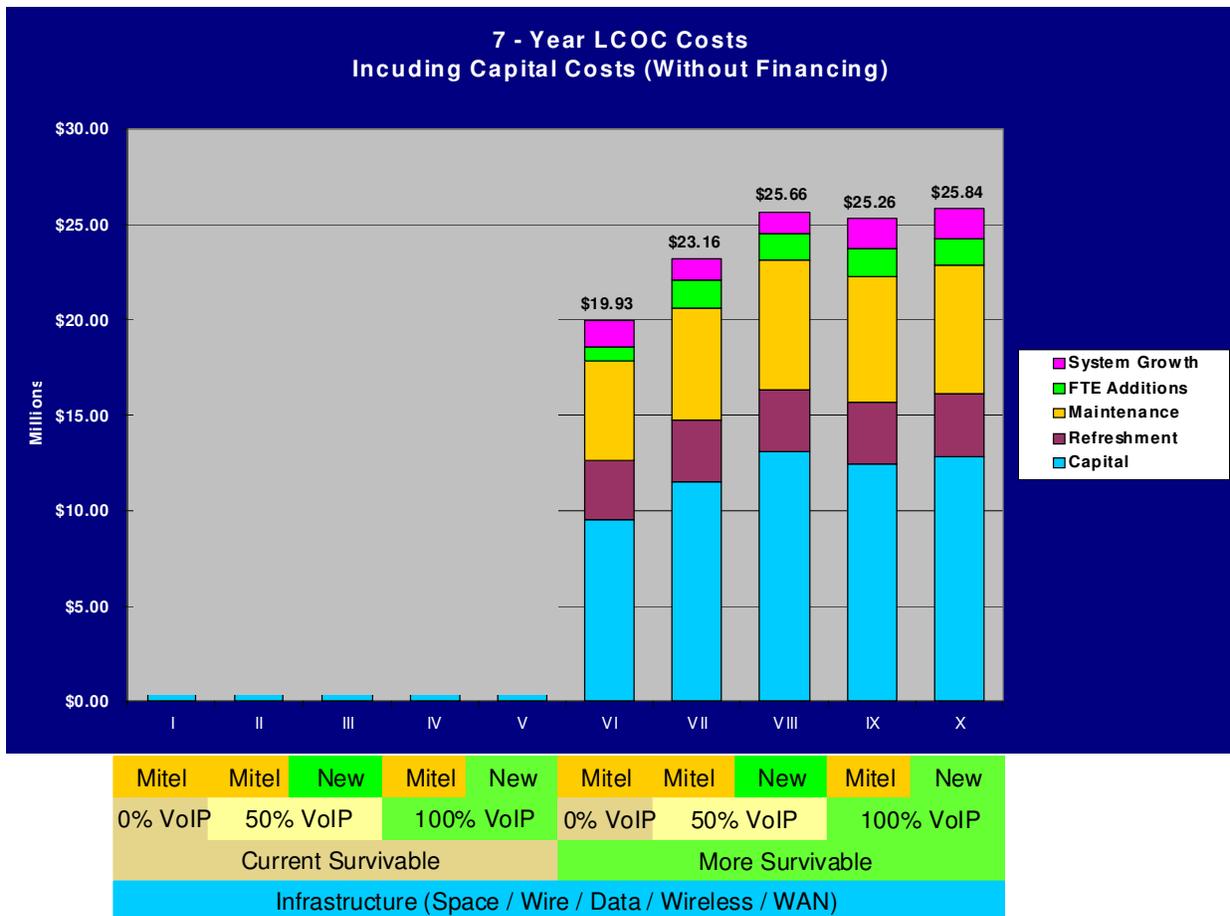
3.7.3   The cost savings of Configurations VII or VIII does not warrant the difficulty of managing the combination of TDM and VoIP technologies at the same time. Therefore, the Working Group eliminated Configurations VII and VIII. Exhibit IX shows this change in the Configuration choices.

Exhibit IX
7-Year Life-Cycle Costs
Without Multi-Technology Configurations VII and VIII
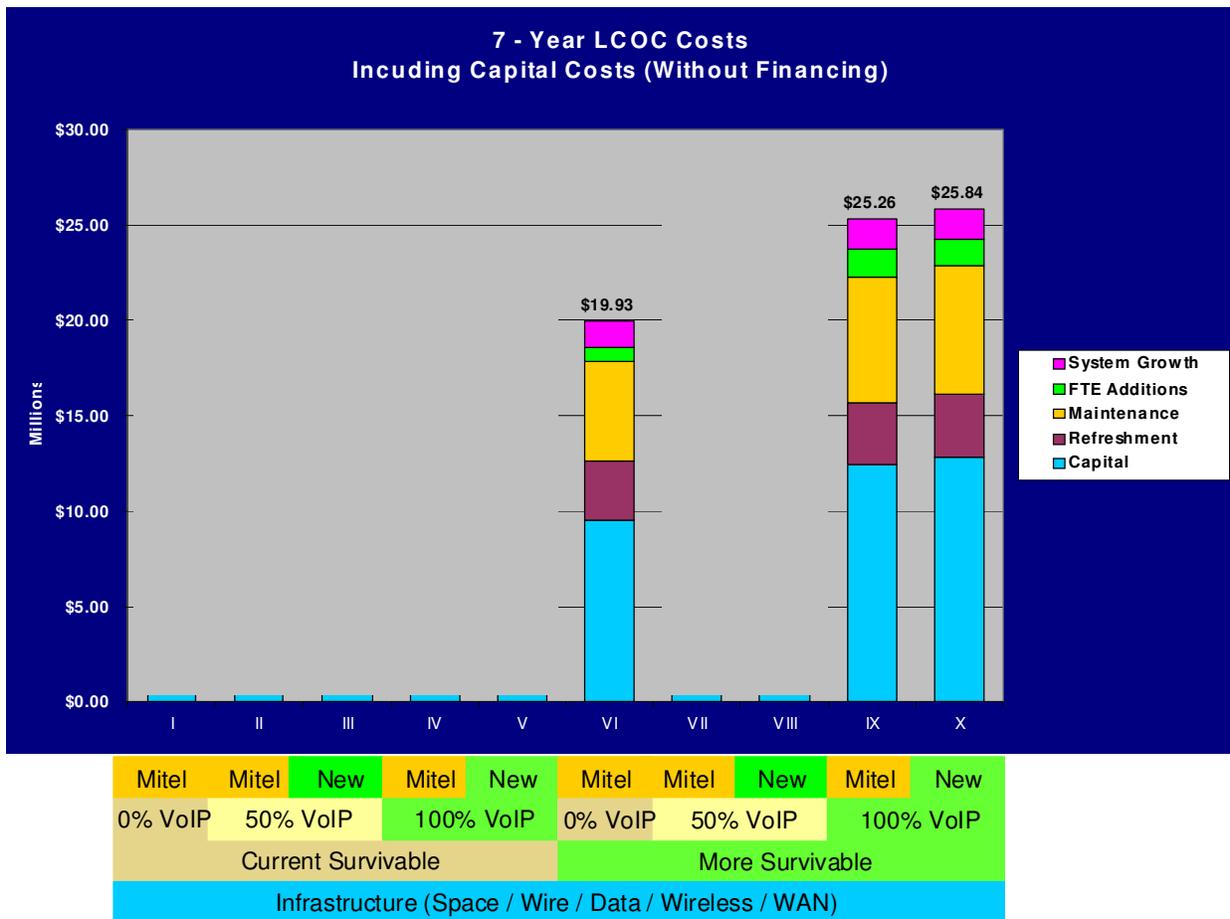
3.7.4   After reviewing the trends in the industry of manufacturers migrating telephony systems to VoIP and the desire for the District to move toward the use of technology to facilitate a more unified approach to technology, the Working Group removed Configuration VI. Exhibit X shows this change in the Configuration choices.

Exhibit X
7-Year Life-Cycle Costs
Without the Upgrade of Existing Voice Systems in Configuration VI

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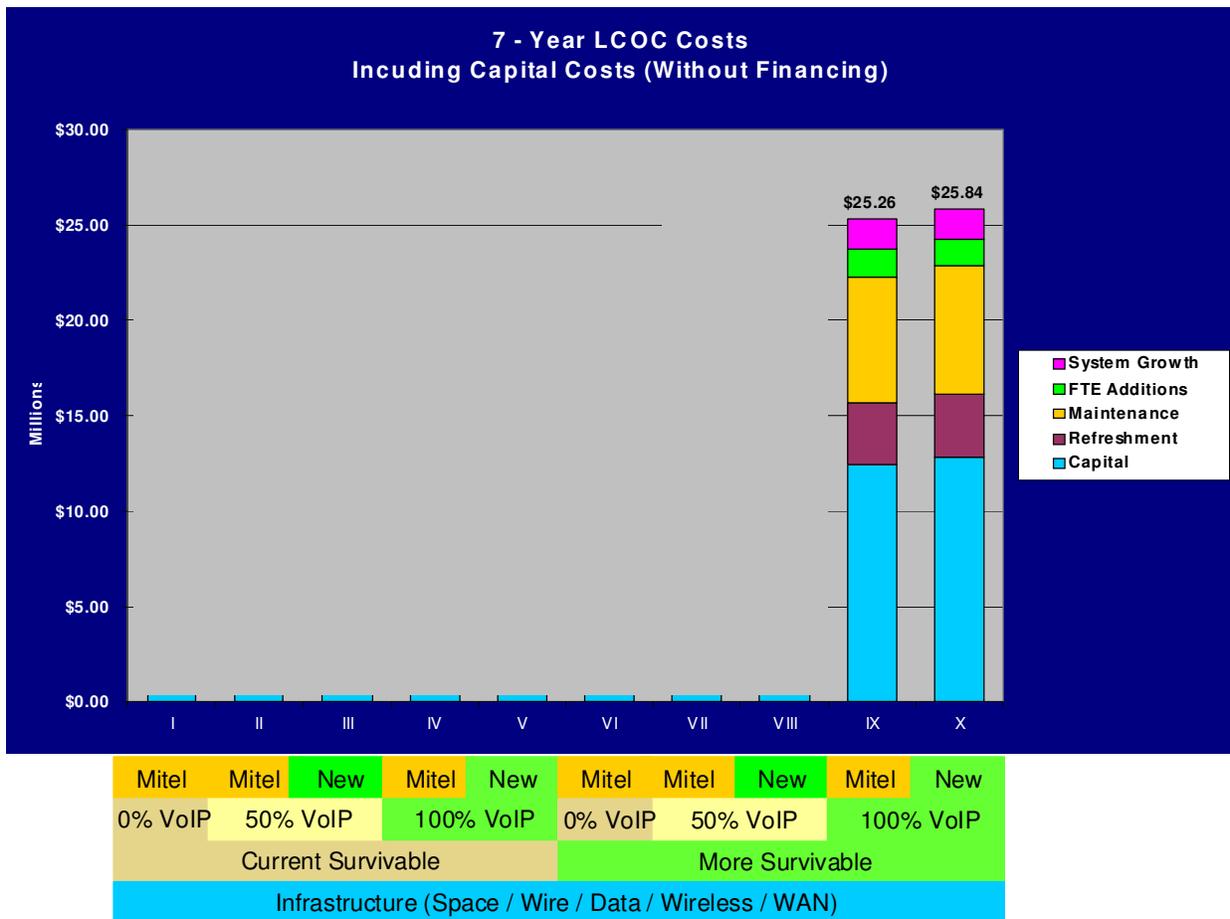
3.7.5   Configurations IX and X are actually the same. Configuration IX includes an upgrade of the existing Mitel systems to VoIP while Configuration X allows for the same configuration to any qualified manufacturer. The Working Group determined to recommend Configuration X as the solution that should be used for the upcoming request for proposal (RFP)process. Mitel suppliers would also be invited to respond to the RFP; therefore, the RFP process would actually include both Configurations IX and X.

Exhibit XI
7-Year Life-Cycle Costs
The Teams' Recommendation

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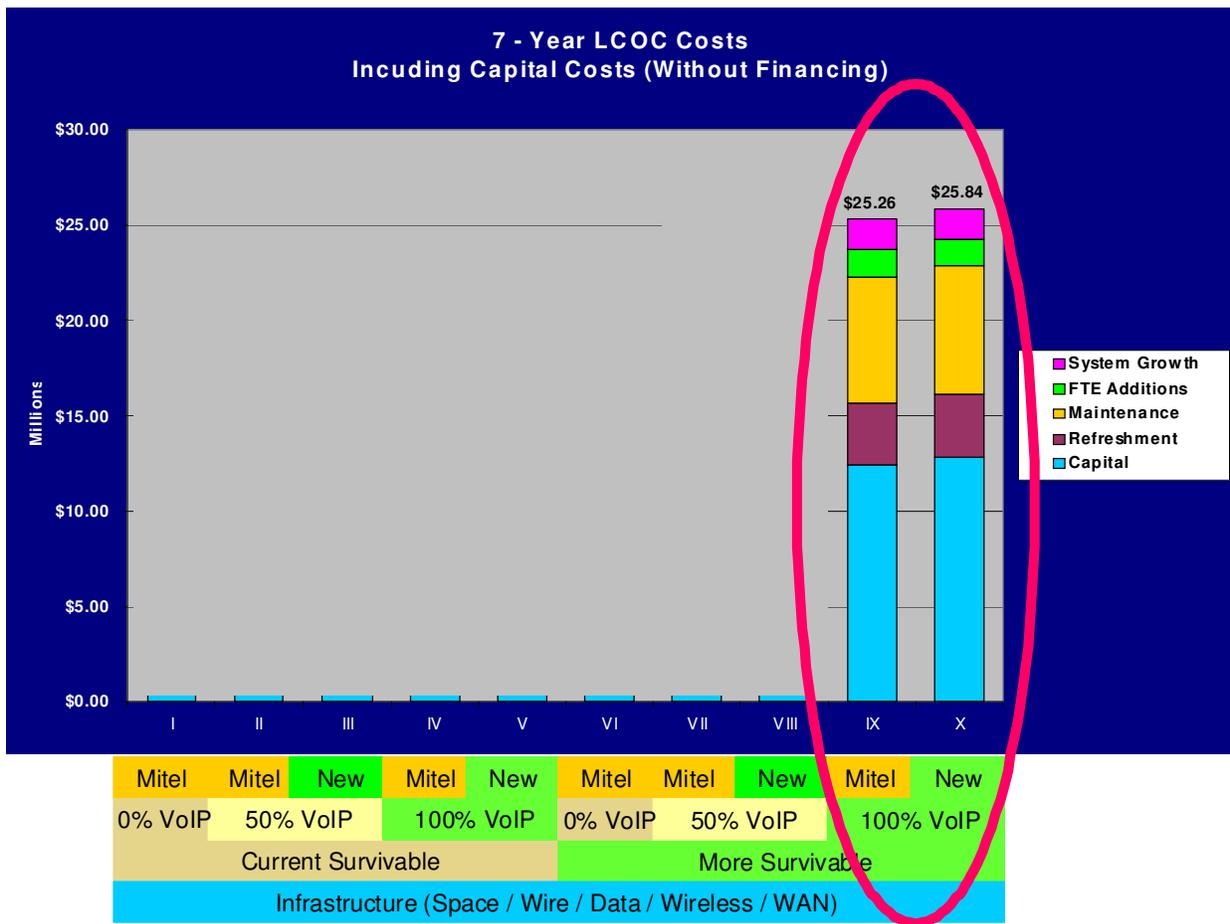
3.8   Cabinet Review Meeting Results

After reviewing the capital costs, life-cycle costs, and recommendations from the Teams, the cabinet had the following comments and determined that the Working Group needed to do a few things before making a final decision to move forward:

3.8.1   Cabinet agrees with a more survivable solution.

3.8.2   Cabinet requested that the Working Group research:

        3.8.2.1   What remodeling efforts are already underway?

        3.8.2.2   What costs are already in District budgets?

        3.8.2.3   What are the benefits of pursuing VoIP?

        3.8.2.4   What are the ranges of costs when comparing Configurations VI and X?

3.8.3   Remodeling efforts already underway.

The Working Group compared the TR Profile Book information with the remodeling efforts already in progress throughout the district. Those TRs that are already slated to be remodeled or rebuilt through existing District efforts were removed from the capital cost models. This effort removed 23 TRs and $1,064,782 from the infrastructure capital costs. Table VI shows the remaining 151 TRs after removing those that are incorporated in the existing District remodeling efforts.

Table VI Classification of TRs After Incorporating Existing Remodeling Efforts		
Treatment	*Number of TRs*	*Average Cost*
None / Limited Cost: Simply needing maintenance	34	$2,000
Level A Remodel: Simple adjustments	47	$14,500
Level B Remodel: More aggressive adjustments	20	$20,500
Level C Remodel: Very aggressive adjustments	4	$25,000
Abandon: TR should not be used	35	$25,000
Rebuild: TR should be rebuilt	11	$80,000
Total	151	$20,052

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3.8.4   Costs already in District budgets.

3.8.4.1   The Working Group reviewed existing budget cost reports to determine the costs that are already included in existing budgets. Those costs included:

- Maintenance costs
- Operational costs
- Upgrade costs

3.8.4.2   The results of this review identified $1,480,255 that could be taken out of the life-cycle cost models. The Working Group decided not to remove this cost from the models because the cost is intuitively too low. The Working Group reports that many purchases of networking components have been made through capital improvements. Many of those purchases have not been tracked in a way that allowed the Working Group to identify all of the costs.

3.8.5   The benefits of pursuing VoIP.

3.8.5.1   Redundant Capabilities

- Redundant programming.
- Automatic Core failover / Self-correction techniques.

3.8.5.2   Unified Messaging

- Collaboration between the telephone and the computer allowing for more computer enhancements.

3.8.5.3   Mobile Applications

- Wireless VoIP telephones.
- Auto reconfigure of phones that are moved.
- Automatic updates of the E-911 database.

3.8.5.4   Converged Applications

- Softphones – Using the computer as the telephone.
- Integrated voice and Web conferencing.

3.8.6   Comparing Configurations VI and X (to review a range of costs).

3.8.6.1   Exhibit XII shows a side-by-side comparison of Configurations VI and X. The text shown in gold shows the major items where Configuration X differs from Configuration VI.

Exhibit XII
Comparison of Configuration VI and X

	Configuration VI	Configuration X
Voice	Mitel Upgrade (software only)	New system or complete Mitel Upgrade
	New direct inward dial numbers	Same
	Single voice core	Redundant voice core
	No VoIP	All VoIP
Voice adjuncts	V.Mail, E911, ACD	V.Mail, E911, ACD, & Telemanagement
Data	No power over Ethernet	All power over Ethernet
	Redundant cores & Distribution	Same
Wireless	Full campus coverage	Same
WAN	AT&T MPLS redundant network	Same
Infrastructure	Remodel and rebuild rooms	Same
	Voice cable stays on old copper	Voice cabling replaced w/VoIP data
Staff	1 additional FTE for data/WAN	2 additional FTEs for data/WAN/VoIP

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3.8.6.2   Exhibit XIII shows the new adjusted capital cost for Configuration VI and X after the reduction of existing infrastructure efforts that are already underway at the District.

Exhibit XIII
Revised Capital Costs for Configurations VI and X

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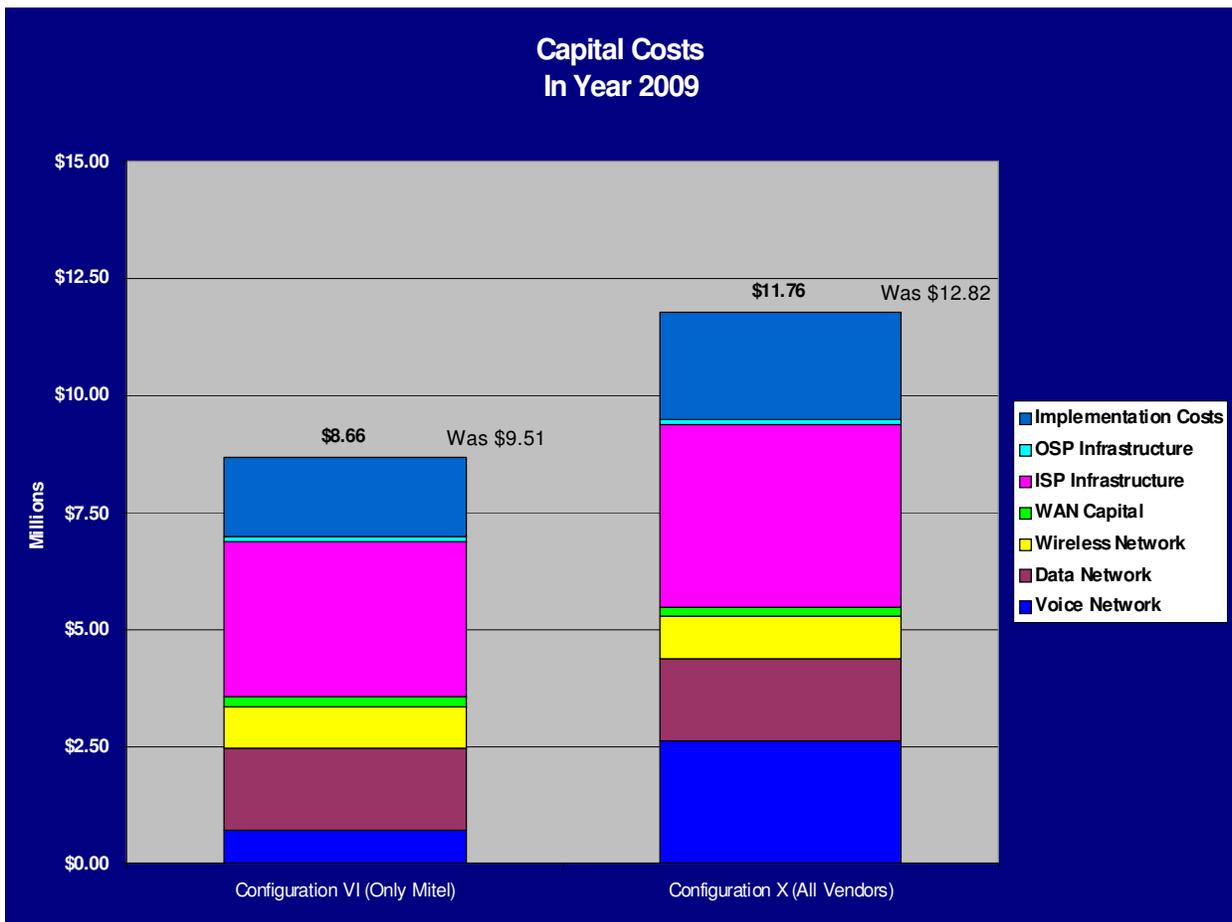
3.8.6.3   Exhibit XIV shows the new adjusted life-cycle costs for Configuration VI and X after the reduction of existing infrastructure efforts that are already underway at the District.

Exhibit XIV
7-Year Life-Cycle Costs for Configurations VI and X
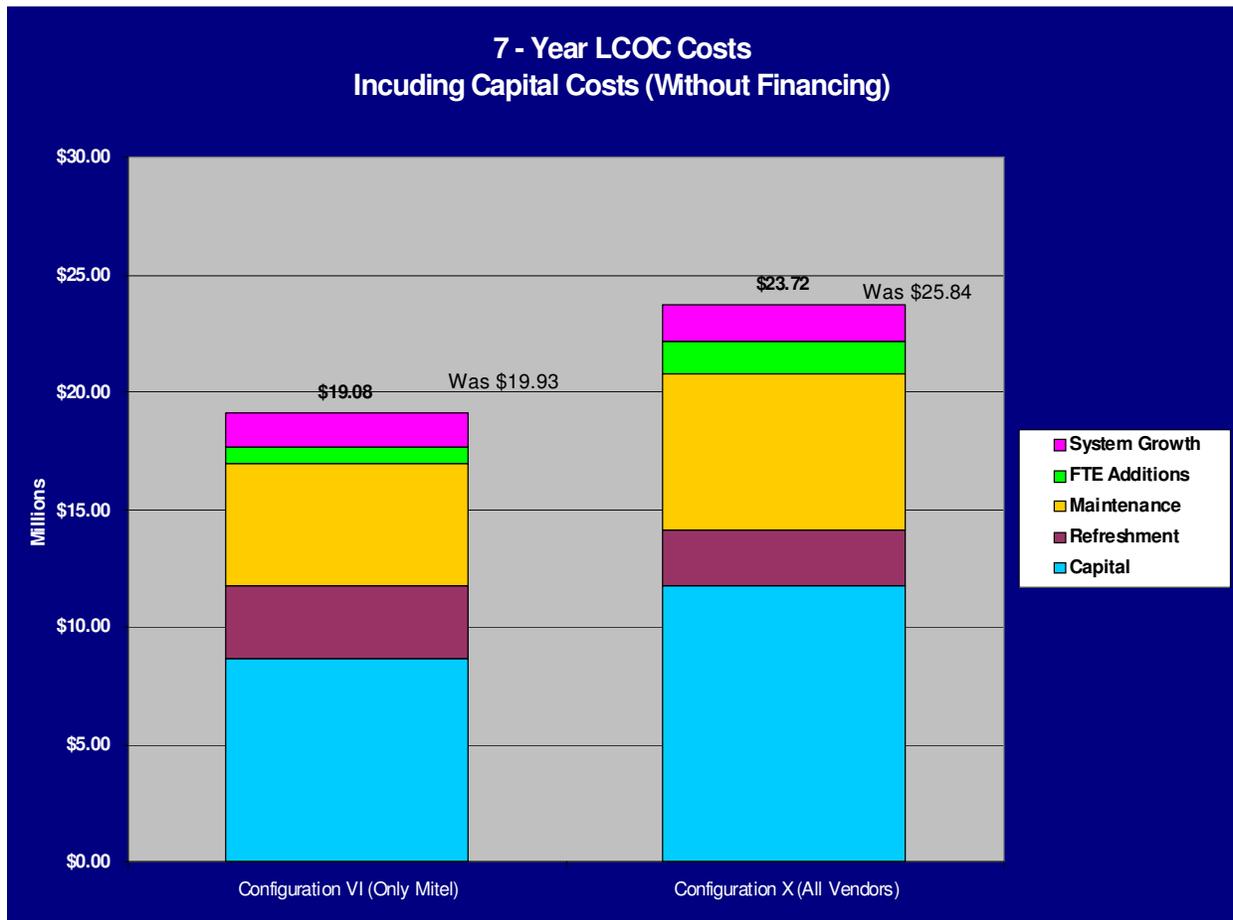
3.8.6.4   After reviewing the information with the Cabinet, the Teams and the Cabinet agree that Configuration X is the strategic direction that the District should move toward.

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3.9   Timing of Funds Model

A Timing of Funds model was developed using Configuration X. The model calculates the annual cost of the systems over the 7-year planning horizon using the following assumptions:

3.9.1   Implementation will begin in the summer of 2009.

3.9.2   WAN implementation will span 6 months.

3.9.3   Telecommunication room modifications will span 4 years.

3.9.4   Voice and Data system implementation will span 2 years.

3.9.5   Wireless implementation: Do the wireless survey first, then phase in the coverage over 2 years.

Exhibit XV shows the timing of funds costs for Configuration X over the 7-year planning horizon. The details for the Timing of Funds model appear in Attachment IX.

Exhibit XV
7-Year Life Timing of Funds Model (Configuration X)

7 - Year Timing of Funds - Configuration X
Incuding Capital Costs (Without Financing)

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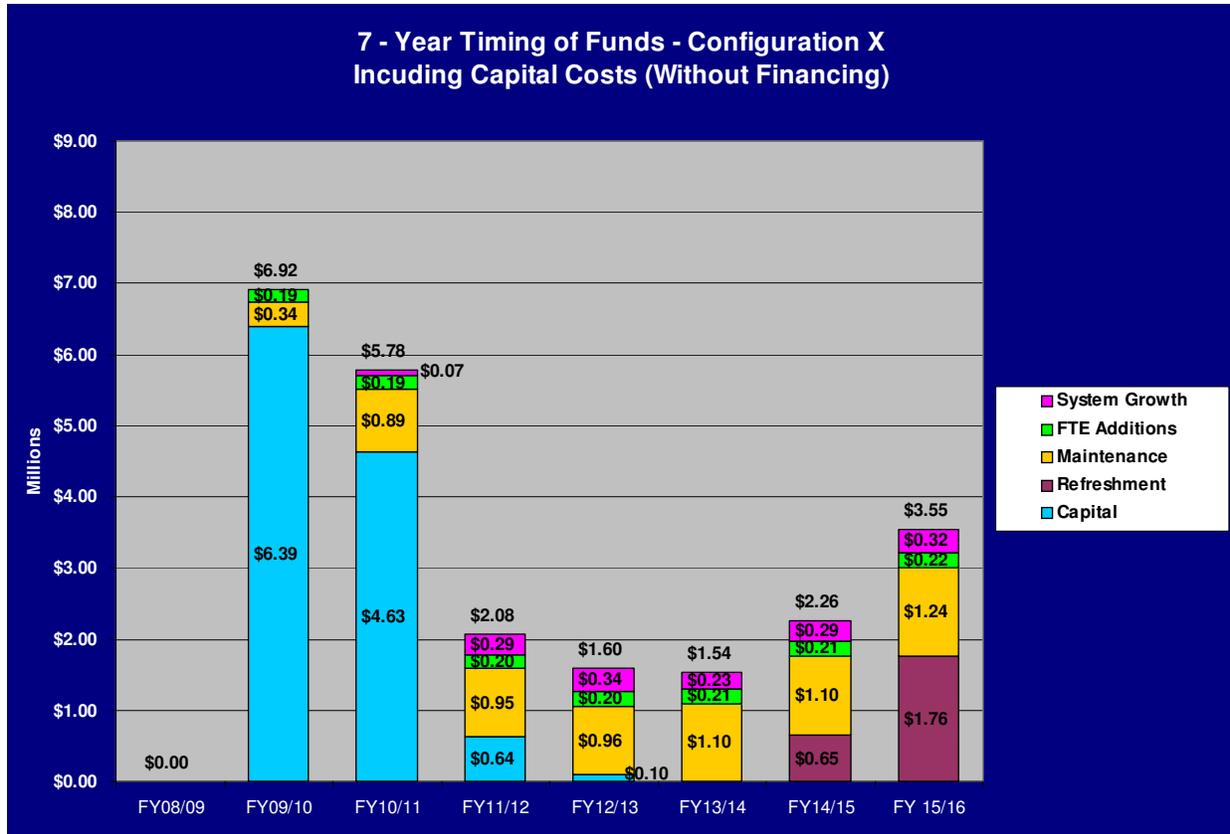
4   Recommendations

Based on the findings and conclusions detailed in the previous sections, we make the following recommendations regarding the strategic direction of the District's Strategic Infrastructure / Telecommunications Plan.

4.1   Overall

4.1.1   Develop a District standard for infrastructure installation and maintenance for all campuses to follow.

4.1.2   Develop policies and standards for centralized or coordinated management of District local area wired and wireless networks. These policies and standards should address the physical spaces housing network equipment (e.g., rooms with routers and switches), the network cable plant, management of network devices, performance monitoring, network authentication, security, and WAN access.

4.1.3   Examine District budgets to identify ways to confirm the existing budgets for infrastructure, voice, data, wireless, and WAN systems at each campus. Additionally, examine how budget policies promote or discourage using technology consistent with District-wide strategic directions and to provide District services in more cost-effective ways.

4.1.4   Plan on capital fund expenditures based on the Timing of Funds model.

4.2   Infrastructure

Determine the critical infrastructure work that needs to be completed before the implementation of a new converged voice and data environment and begin the proposal process to aggressively complete that infrastructure work.

4.3   Voice

Develop a Request for Proposal (RFP) that represents Configuration X to migrate to a VoIP based voice telephony platform.

4.4   Data

    4.4.1   Include a new local area network (LAN) technology in the RFP
             process. Use Configuration X to configure the data RFP so that the
             LAN will be capable of the new technologies needed.

    4.4.2   Define the Local Area Network (LAN) technology needed through a
             review of the vendor solutions in the Voice RFP process. Use either
             another RFP process or State-provided purchasing systems to
             acquire the appropriate LAN configuration that will allow for the most
             redundant, cost effective LAN solution. Those technologies include
             VoIP, Wireless LAN, Video Conferencing, and Streaming Video.

4.5   Wireless

    Include a new wireless LAN technology in the RFP process. Use the
    wireless system as a complimentary technology platform for each District
    campus.

4.6   Wide Area Network

    4.6.1   Define the Wide Area Network (WAN) technology needed through a
             review of the vendor solutions in the RFP process. Use either
             another RFP process or State-provided purchasing systems to
             acquire the appropriate WAN configuration that will allow for the
             most redundant, cost effective WAN solution.

    4.6.2   Monitor the deployment of video and other bandwidth intensive
             applications and the impact of these deployments on the utilization of
             the WAN infrastructure.

Attachment I

Planning Assumptions

Contra Costa Community College District

District-Wide Strategic Infrastructure/Telecommunications Plan

Planning Assumptions

February 25, 2009

Table of Contents

List of Tables

1   Purpose of the Work

Contra Costa Community College District (CCCCD) has engaged WTC
Consulting, Inc. (WTC) to develop a District-wide Strategic Infrastructure/
Telecommunications Plan. The District has initiated this planning process with
the goal of 1) improving the reliability of the District's infrastructure and 2)
addressing the financial, technical, and operational impact of growth across
multiple technology alternatives strategic to the District's business goals. This
strategic planning process includes an assessment of the District's existing
outside cable plant and in-building distribution systems, an assessment of
potential District voice, LAN, and WAN services, and preparation of capital and
life-cycle budgets for physical infrastructure, voice, LAN, video, and WAN
alternatives.

2   Purpose of the Planning Assumptions

The engagement planning assumptions formalize the understanding of the
project scope and provide consensus regarding specific issues pertaining to the
engagement. The planning assumptions for this engagement will serve as a
guide for the assessment processes and development of capital and life-cycle
budgets for voice, LAN, video, and WAN alternatives.

3   Project Owner and Engagement Team

Contra Costa Community College District Chancellor's Cabinet is the project
owner. The following individuals constitute the engagement teams:

Working / Steering Group:

•   Ben Seaberry, Exec. Dean of Technology - DVC
•   Robert Burns, Interim Exec. Dean of Technology - DVC
•   Michael Becker, Technology Supervisor - DVC
•   Anthony Crawford, Technology Supervisor -LMC
•   Cherry Li-Bugg, Sr. Dean of Technology - LMC
•   Katherine Ogden, Network Technology Manager
•   Chris Wilson, Computer and Network Technician - SRC
•   Tom Schlaich, Computer and Network Technician - CCC/DO
•   Adam Jacobs, Information Security Officer
•   Mojdeh Mehdizadeh, Associate Vice Chancellor/CIO
•   James Eyestone, Technology Manager - CCC
•   Brian Adair, Director of Facilities
•   Valorie Gale, Director of Purchasing

- Teddy Terstegge, Police Officer and Emergency Preparedness Coordinator
- Dennis Gravert, Faculty - LMC
- Kelly Ramos, Classified - CCC
- Kindred Murillo
- Chris Levias
- Albert Slater, WTC
- Dean Oyama, WTC
- Zahid Massod, WTC
- Phillip Beidelman, WTC

Policy Group:

- Chancellor's Cabinet

4   Engagement Schedule

The Project Team expects to complete this engagement by the end of December 2008.

5   Engagement Deliverables

5.1   Planning Assumptions Document.

5.2   Physical Infrastructure Assessment.

5.2.1   Port Model™ sizing document.

5.2.2   Inside plant and outside plant capital budgets.

5.2.3   Telecommunication Room (TR) Profile Book for the TRs that are physically reviewed.

5.2.4   Presentation to senior management regarding findings, conclusions, and recommendations for the physical infrastructure.

5.3   Voice, LAN, Video, WAN Assessment.

5.3.1   Capital budgets for each configuration alternative.

5.3.2   Life-cycle budgets for each configuration alternative.

5.3.3   Presentation of capital and life-cycle budgets and graphs to the Project Team.

5.3.4   Final report.

5.3.5   Presentation of final report to the Project Team.

5.3.6   Presentation of final report to senior management.

6   Planning Horizon

The planning horizon is seven years starting in fiscal year 2009. The fiscal year starts on July 1 and ends on June 30.

7   Contra Costa Community College District Campuses

7.1   Campuses in scope of this engagement.

7.1.1   District Office

500 Court Street, Martinez, CA 94553

7.1.2   Contra Costa College

2600 Mission Bell Drive, San Pablo, CA 94806

7.1.3   Diablo Valley College

321 Golf Club Road, Pleasant Hill, CA 94523

7.1.4   Los Medanos College

2700 East Leland Road, Pittsburg, CA 94565

7.1.5   Brentwood Center

101 Sand Creek Road, Brentwood, CA 94513

7.1.6   San Ramon Valley Center

1690 Watermill Road, San Ramon, CA 94583

7.2 Campuses not in scope of this engagement.

    7.2.1 Walnut Creek Center (WCC) (Regional Training Institute)

    1250 Arroyo Way, Walnut Creek, CA 94596

8 Existing Port Counts (voice, data, wireless, CATV)

Following are the assumptions for developing a representative port count by telecommunication room for each in-scope technology:

8.1 Voice Ports.

The survey team will document the copper cabling installed in each TR and compare the cabling to the total ports available on the campus telephone system. Then the estimated ports per TR will be developed.

8.2 Data Ports.

The survey team will survey the actual data network ports available and used for each TR.

8.3 Wireless Access Points.

The survey team will not estimate the existing wireless access points. Wireless solutions will be included in the cost models for each configuration alternative.

8.4 CATV Ports.

The survey team will identify CATV ports if those ports are included in existing voice and data TRs.

8.5 Special Circuit Assumptions.

Existing analog port counts will be used as an estimate for special voice circuits.

9 Sizing Rules and Growth Calculations

9.1 The governing document for system sizing and growth calculations will be the Port Model.

9.2   Growth projections are defined for the following points during the planning horizon.

   9.2.1   Working @ Cut (Year 1 - 2009): This is the expected number of devices that must be supported at the time of cut-over.

   9.2.2   Equipped (Year 2 - 2010): The system will be sized to reflect a growth rate during the first 24 months after installation. This size will be referred to as the "Equipped" size. For voice, growth from installation to this size will only require the installation of telephone instruments and associated station wire for needed telephone set additions. For data, growth from installation to this size will only require installation of the associated horizontal wire for new connections and activation of connections. All hardware and software to accommodate this growth will be resident in the system.

   9.2.3   Wired (Year 4 - 2012): The system will be sized to reflect a growth rate during the first 48 months after installation. This size will be referred to as the "Wired" size. For voice, growth from installation to this size will require the installation of telephone instruments and associated station wire, as well as purchase of port cards. Shelf space needed to accommodate these hardware and software additions will be in the system, and the expansions can be made without the purchase of new cabinets, main processors, or other major items. For data, growth may require the addition of network equipment and racks.

   9.2.4   Capacity (Year 7 - 2015): The system will be sized to reflect a growth rate in users during the system's 7-year planned life. This size will be referred to as "Capacity." For voice, growth up through Capacity may require major additions of items such as cabinets and main processors; however, the system will be able to accept the growth using available floor space without requiring the addition of separate, nonintegrated systems and without upgrading the UPS/rectifier and batteries. For data, growth through Capacity may require major additions of racks, wiring, and network switches. However, the system must be able to accept the growth without requiring redesign of the deployed data network infrastructure and must accommodate growth with existing floor space.

9.3   Each building is assigned a voice port growth type and data port growth type of low, medium, or high. Tables I and II show the treatment for each of these growth types. Growth percentages are not cumulative; all percentages are applied to the Working @ Cut port count.

Table I Growth Treatment for Data Network					
		Working @ Cut	Equipped	Wired	Capacity
Growth Type	*2008*	*At Year 1 2009*	*At Year 2 2010*	*At Year 4 2012*	*At Year 7 2015*
Low	Data from District	1%	3%	10%	20%
Medium	Data from District	2%	10%	30%	60%
High	Data from District	4%	20%	50%	100%

Table II Growth Treatment for Voice Network					
		Working @ Cut	Equipped	Wired	Capacity
Growth Type	*2008*	*At Year 1 2009*	*At Year 2 2010*	*At Year 4 2012*	*At Year 7 2015*
Low	Data from District	0%	1%	2%	5%
Medium	Data from District	1%	2%	5%	10%
High	Data from District	1%	3%	10%	20%

10   Planned Capital Projects

Table III shows the District's planned capital projects along with the projected number of floors, square footage, number of voice and data ports, data and voice growth classifications, WAN connection, and the year the building is expected to come on-line.

No.	Campus	Building	Added Sq. Ft.	Voice Growth	Data Growth	Occupancy Year	Port Model Start Year	Analog Ports	Multiline Ports	Data Ports
			Table III **Planned Capital Projects**							
1	Contra Costa College	Art Building Conversion	1,294	M	M	2014/2015	2105	2	12	13
2	Contra Costa College	Classroom Building	4,036	M	M	2011/2012	2012	5	37	41
3	Contra Costa College	Science & Applied Health	4,360	M	M	2014/2015	2015	5	40	44
4	Contra Costa College	Bio Sciences Remodel	4,431	M	M	2014/2015	2015	5	40	45
5	Contra Costa College	Physical Science Remodel	15,000	M	M	2014/2015	2015	15	135	150
6	Contra Costa College	Student Services Building	2,210	M	M	2007/2008	2009	3	20	23
7	Diablo Valley College	Food Service / Meeting Room	2,071	M	M	2011/2012	2012	3	19	21
8	Diablo Valley College	Art Building Replacement	10,151	M	M	2013/2014	2012	11	92	102
9	Los Medanos College	Student Services	6,610	M	M	2011/2012	2012	7	60	67
10	Los Medanos College	PE Building	14,379	M	M	2013/2014	2012	15	130	144
11	Los Medanos College	Student Activities Center	916	M	M	2012/2013	2012	1	9	10
12	Los Medanos College	Outreach Center	15,000	M	M	2013/2014	2012	15	135	150
13	Los Medanos College	Math & Science Building	21,076	M	M	2007/2008	2009	22	190	211
14	Los Medanos College	Core Building Remodel	4,571	M	M	2007/2008	2009	5	42	46

11 TR, Inside Plant, and Outside Plant Assessment

11.1 WTC will conduct a physical survey of the TRs and in-building distribution systems. This assessment will include horizontal wiring, TRs, riser cable, and outside plant. The building list in Table IV identifies the buildings included in the scope of this assessment.

Table IV Buildings in Scope					
Campus	Building Name	Address	City	Voice Growth (L,M,H)	Data Growth (L,M,H)
Brentwood Center	Brentwood Center	101 Sand Creek Road	Brentwood	H	H
Contra Costa College	Art Building	2600 Mission Bell Drive	San Pablo	H	H
Contra Costa College	Applied Arts & Administration	2600 Mission Bell Drive	San Pablo	L	H
Contra Costa College	Automotive Technology	2600 Mission Bell Drive	San Pablo	M	M
Contra Costa College	Biological Science	2600 Mission Bell Drive	San Pablo	L	L
Contra Costa College	Boiler House	2600 Mission Bell Drive	San Pablo	L	L
Contra Costa College	Baseball Press Box	2600 Mission Bell Drive	San Pablo	L	L
Contra Costa College	Custodial Office	2600 Mission Bell Drive	San Pablo	L	L
Contra Costa College	Hazardous Storage	2600 Mission Bell Drive	San Pablo	L	M
Contra Costa College	Football Concession	2600 Mission Bell Drive	San Pablo	L	L
Contra Costa College	Chemical Storage	2600 Mission Bell Drive	San Pablo	L	M
Contra Costa College	Computer Technology Center	2600 Mission Bell Drive	San Pablo	L	L
Contra Costa College	Early Learning Center	2600 Mission Bell Drive	San Pablo	L	M
Contra Costa College	Football Pressbox	2600 Mission Bell Drive	San Pablo	L	L
Contra Costa College	Gym Annex	2600 Mission Bell Drive	San Pablo	L	M
Contra Costa College	Gymnasium	2600 Mission Bell Drive	San Pablo	L	L
Contra Costa College	Humanities Building	2600 Mission Bell Drive	San Pablo	L	L
Contra Costa College	Health Sciences Building	2600 Mission Bell Drive	San Pablo	M	M
Contra Costa College	Liberal Arts	2600 Mission Bell Drive	San Pablo	L	L
Contra Costa College	Library and Learning Resource	2600 Mission Bell Drive	San Pablo	L	L
Contra Costa College	Music	2600 Mission Bell Drive	San Pablo	M	H
Contra Costa College	Maintenance	2600 Mission Bell Drive	San Pablo	L	L
Contra Costa College	Mens Locker	2600 Mission Bell Drive	San Pablo	L	M
Contra Costa College	Performing Arts Center	2600 Mission Bell Drive	San Pablo	M	H
Contra Costa College	Physical Science	2600 Mission Bell Drive	San Pablo	L	L
Contra Costa College	Buildings and Grounds / Police	2600 Mission Bell Drive	San Pablo	L	L
Contra Costa College	Inventory & Receiving	2600 Mission Bell Drive	San Pablo	L	L
Contra Costa College	Student Activities	2600 Mission Bell Drive	San Pablo	L	L
Contra Costa College	Student Services Center	2600 Mission Bell Drive	San Pablo	L	L
Contra Costa College	Womens Locker	2600 Mission Bell Drive	San Pablo	L	M
District Office	District Office	500 Court Street	Martinez	L	H

Table IV Buildings in Scope					
Campus	*Building Name*	*Address*	*City*	*Voice Growth (L,M,H)*	*Data Growth (L,M,H)*
Diablo Valley College	Art Building	321 Golf Club Road	Pleasant Hill	L	M
Diablo Valley College	Administration Building	321 Golf Club Road	Pleasant Hill	L	M
Diablo Valley College	Advanced Technology Center	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Book Center	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Business/Foreign Language	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Counseling	321 Golf Club Road	Pleasant Hill	L	H
Diablo Valley College	Community Conference Center	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	District Storage Building	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Engineering Technology Center	321 Golf Club Road	Pleasant Hill	L	M
Diablo Valley College	Family Life Education Annex	321 Golf Club Road	Pleasant Hill	L	M
Diablo Valley College	Family Life Education	321 Golf Club Road	Pleasant Hill	L	M
Diablo Valley College	Faculty Offices	321 Golf Club Road	Pleasant Hill	L	M
Diablo Valley College	Gymnasium	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Humanities	321 Golf Club Road	Pleasant Hill	L	M
Diablo Valley College	Hotel / Restaurant Management	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Library	321 Golf Club Road	Pleasant Hill	L	H
Diablo Valley College	Liberal Arts	321 Golf Club Road	Pleasant Hill	L	M
Diablo Valley College	Learning Center	321 Golf Club Road	Pleasant Hill	L	M
Diablo Valley College	Life/Health Sciences	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Music	321 Golf Club Road	Pleasant Hill	L	M
Diablo Valley College	Math	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Mens Locker	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Offices Annex	321 Golf Club Road	Pleasant Hill	L	M
Diablo Valley College	Ornamental Horticulture	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Performing Arts	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Press Box	321 Golf Club Road	Pleasant Hill	L	M
Diablo Valley College	Physical Education Building	321 Golf Club Road	Pleasant Hill	L	M
Diablo Valley College	Portable No. 1 / Classroom	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Portable No. 2 / Training room	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	P.E. Storage	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Physical Education Offices	321 Golf Club Road	Pleasant Hill	L	M
Diablo Valley College	Police Department	321 Golf Club Road	Pleasant Hill	L	H
Diablo Valley College	Physical Science - North	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Physical Science - South	321 Golf Club Road	Pleasant Hill	M	M
Diablo Valley College	Student Activities	321 Golf Club Road	Pleasant Hill	L	M
Diablo Valley College	Museum / Planetarium	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Offices	321 Golf Club Road	Pleasant Hill	L	M

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Table IV Buildings in Scope					
Campus	*Building Name*	*Address*	*City*	*Voice Growth (L,M,H)*	*Data Growth (L,M,H)*
Diablo Valley College	Lecture (SC501)	321 Golf Club Road	Pleasant Hill	L	M
Diablo Valley College	Classroom (SC601)	321 Golf Club Road	Pleasant Hill	L	M
Diablo Valley College	Astronomy (SC701)	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Observatory (SC801)	321 Golf Club Road	Pleasant Hill	L	M
Diablo Valley College	Concessions (SC901)	321 Golf Club Road	Pleasant Hill	L	M
Diablo Valley College	Science Restrooms (SC401/402)	321 Golf Club Road	Pleasant Hill	L	M
Diablo Valley College	Science Utility	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Student Services Center	321 Golf Club Road	Pleasant Hill	M	H
Diablo Valley College	Student Union	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Toilet Building	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Adaptive PE	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Womens Locker	321 Golf Club Road	Pleasant Hill	L	L
Diablo Valley College	Warehouse / Maintenance Bldg.	321 Golf Club Road	Pleasant Hill	L	L
Los Medanos College	College Complex	2700 East Leland Road	Pittsburg	H	H
Los Medanos College	Child Study Center	2700 East Leland Road	Pittsburg	L	L
Los Medanos College	EETEC	2700 East Leland Road	Pittsburg	M	M
Los Medanos College	Gymnasium	2700 East Leland Road	Pittsburg	L	M
Los Medanos College	Graphic Arts Lab	2700 East Leland Road	Pittsburg	L	L
Los Medanos College	Honors Center	2700 East Leland Road	Pittsburg	L	L
Los Medanos College	Library	2700 East Leland Road	Pittsburg	L	M
Los Medanos College	Learning Resource II, III, and IV	2700 East Leland Road	Pittsburg	L	M
Los Medanos College	Math Labs	2700 East Leland Road	Pittsburg	L	L
Los Medanos College	Math	2700 East Leland Road	Pittsburg	H	H
Los Medanos College	Music	2700 East Leland Road	Pittsburg	L	M
Los Medanos College	Pool Equipment	2700 East Leland Road	Pittsburg	L	L
Los Medanos College	PE Press Box	2700 East Leland Road	Pittsburg	L	L
Los Medanos College	Concessions	2700 East Leland Road	Pittsburg	L	L
Los Medanos College	Dance	2700 East Leland Road	Pittsburg	L	L
Los Medanos College	PE Offices	2700 East Leland Road	Pittsburg	L	L
Los Medanos College	PE Training Complex	2700 East Leland Road	Pittsburg	L	M
Los Medanos College	Weights	2700 East Leland Road	Pittsburg	L	L
Los Medanos College	Offices of Instruction	2700 East Leland Road	Pittsburg	M	M
Los Medanos College	Science	2700 East Leland Road	Pittsburg	H	H
Los Medanos College	Utility Building	2700 East Leland Road	Pittsburg	L	L
San Ramon Valley Center	Central Plant	1690 Watermill Road	San Ramon	L	L
San Ramon Valley Center	East Building	1690 Watermill Road	San Ramon	M	L
San Ramon Valley Center	West Building	1690 Watermill Road	San Ramon	M	L

11.2 The District will provide one or more staff members familiar with the TRs in District buildings to accompany WTC staff during the physical survey process.

11.3 The District will propose an ordering of the buildings for the survey to minimize travel time.

11.4 WTC's assessment will be based on our best judgement on a per TR per building basis developing three solutions for each TR: 1) Non-Combined, 2) Combined, and 3) BICSI as a rule. The judgement criteria are shown in Table V - TR Treatment Alternatives.

Table V TR Treatment Alternatives			
Description	*BICSI As a Guideline for a Non-Combined Cable Plant*	*BICSI As a Guideline for a Combined Cable Plant*	*BICSI As a Rule for a Combined Cable Plant*
Infrastructure Issues			
TRs per building	Each designated building should have at least one TR. For small spaces or spaces with special restrictions (e.g., historical buildings), a TR may be a cabinet.	Each designated building should have at least one TR. For small spaces or spaces with special restrictions (e.g., historical buildings), a TR may be a cabinet.	Each designated building must have at least one TR.
TRs per floor	TRs are needed, at a minimum, on every third floor. High densities of cabling in an area might dictate more than one TR per three floors.	TRs are needed, at a minimum, on every third floor. High densities of cabling in an area might dictate more than one TR per three floors.	Each floor must have at least one TR.
Floor space served by the TR	A TR can serve more than 10,000 square feet as long as all cable lengths (TR termination to wall plate) are less than 250 feet.	A TR can serve more than 10,000 square feet as long as all cable lengths (TR termination to wall plate) are less than 250 feet.	No TR can serve more than 10,000 square feet of net assignable space.
Overall assumptions for each TR	The data racks are standard 19-inch racks x 7 feet high, floor- and top-braced, with working clearance around the rack. Wall field is calculated to accommodate five feet of termination equipment installed on continuous open wall space. The TR should conform to National Electric Code standards. For small spaces or spaces with special restrictions (e.g., historical buildings), a TR may be a cabinet.	The data racks are standard 19-inch racks x 7 feet high, floor- and top-braced, with working clearance around the rack. Wall field is calculated to accommodate five feet of termination equipment installed on continuous open wall space. The TR should conform to National Electric Code standards. For small spaces or spaces with special restrictions (e.g., historical buildings), a TR may be a cabinet.	The data racks are standard 19-inch racks x 7 feet high, floor- and top-braced, with working clearance around the rack. Wall field is calculated to accommodate five feet of termination equipment installed on continuous open wall space. The TR should conform to National Electric Code standards.

Description	BICSI As a Guideline for a Non-Combined Cable Plant	BICSI As a Guideline for a Combined Cable Plant	BICSI As a Rule for a Combined Cable Plant
Table V **TR Treatment Alternatives**			
BICSI as a Guideline Treatment TR Sizing Parameters			
TR size	Base the size of the TR on the total racks that will be installed in the TR at capacity.	Base the size of the TR on the total racks that will be installed in the TR at capacity.	
Rack calculation	Use the data network ports at capacity to evaluate the TR. Calculate the number of racks based on 192 ports per rack. Use this calculation to make sure that the TR is large enough to house the needed racks.	Use the data network ports at capacity to evaluate the TR. Calculate the number of racks based on 192 ports per rack. Use this calculation to make sure that the TR is large enough to house the needed racks.	
BICSI as a Rule Treatment TR Sizing Parameters			
TRs serving less than 5,000 square feet			At least 8 feet x 10 feet for new TRs (80 square feet)
TRs serving between 5,000 and 8,000 square feet			At least 9 feet x 10 feet (90 sq. ft.) (TDMM9 Pg 7-30)
TRs serving between 8,000 and 10,000 square feet			At least 11 feet x 10 feet (110 square feet) (TDMM9 Pg 7-30)
TR Miscellaneous Sizing Parameters			
TR Ceiling	TR must have a ceiling at least 8 feet. 6 inches; false ceilings are permitted.	TR must have a ceiling at least 8 feet. 6 inches; false ceilings are permitted.	TR must have a ceiling at least 8 feet. 6 inches; false ceilings are not permitted.
Conduits and wall penetrations must have fire-stopping compound installed.	Yes	Yes	Yes
TR must have a fire protection system.	Yes. At the minimum, a TR will have a smoke and heat sensor.	Yes. At the minimum, a TR will have a network - connected smoke and heat sensor.	Yes (with wire cages around them)
TR door size	Double louvered doors opening out, front and equipment doors, or a 3-foot x 7-foot door.	Double louvered doors opening out or a 3-foot x 7-foot door.	At least 3 feet x 7 feet
TR floor	No carpet allowed. Tile preferred. Raised concrete pad in basements and flood-prone areas.	No carpet allowed. Tile preferred. Raised concrete pad in basements and flood-prone areas.	No carpet allowed. Tile preferred.
TR temperature range	Maximum 85 F.	Maximum 85 F.	64 F to 75 F.

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Table V TR Treatment Alternatives			
Description	*BICSI As a Guideline for a Non-Combined Cable Plant*	*BICSI As a Guideline for a Combined Cable Plant*	*BICSI As a Rule for a Combined Cable Plant*
Humidity range	A non-condensing environment. Drip pan from above if leaks from above are possible	A non-condensing environment. Drip pan from above if leaks from above are possible	30% to 55%
HVAC solutions allowed	Ventilation system to keep temperature below 85 F. Temperature-controlled exhaust fans should not be used unless the TR has less than 96 ports at capacity.	Ventilation system to keep temperature below 85 F. Temperature-controlled exhaust fans should not be used unless the TR has less than 48 ports at capacity.	24 hours a day x 7 days a week HVAC with positive pressure and a minimum one air change per hour. Accomplished with building or dedicated room HVAC.
TR electrical	TR must have two dedicated 20 amp outlets.	TR must have two dedicated 20 amp outlets per 19-inch rack.	TR must have two dedicated branch circuits with each having two duplex outlets and a separate duplex outlet for tools and test equipment.
Racks and equipment must be properly grounded.	Yes	Yes	Yes
TR lighting	Coverage so that both sides of the racks are lit - lighting should not interfere with cabling into the room.	Coverage so that both sides of the racks are lit - lighting should not interfere with cabling into the room.	Coverage so that both sides of the racks are lit - minimum 50-foot candles, 3 feet above floor.
Shared use	No storage. No other utilities in TR (e.g., electrical panels, plumbing).	No storage. No other utilities in TR (e.g., electrical panels, plumbing).	TR must not be shared with any janitorial services or other storage. Equipment not related to the support of the TR (e.g., building electrical distribution, piping, duct work) should not pass through the TR.
Racks must be floor-bolted and top-braced.	Yes	Yes	Yes
Wall-mounted racks	Could be allowed for TRs that house less than 96 ports. If more than 96 ports, floor-mounted, 7-foot racks should be used.	Could be allowed for TRs that house less than 48 ports. If more than 48 ports, floor-mounted, 7-foot racks should be used.	Not allowed. Should be floor-mounted, 7-foot racks.
Security	TR needs master key that does not allow access by other departments. A keypad or badge access control system is required.	TR needs master key that does not allow access by other departments. A keypad or badge access control system is required.	TR needs master key or card swipe system.

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Table V TR Treatment Alternatives			
Description	*BICSI As a Guideline for a Non-Combined Cable Plant*	*BICSI As a Guideline for a Combined Cable Plant*	*BICSI As a Rule for a Combined Cable Plant*
Technology Design Considerations			
Voice and data have to be consolidated in the same TRs.	Not required	Yes	Yes
If the TR needs electrical, the TR will be built to accommodate inline power electronics.	No	Yes	Yes
If the TR needs HVAC, the TR will be built to accommodate Inline power electronics.	No	Yes	Yes
Wall field terminations	Must be above 1 foot and below 6 2 feet.	Must be above 1 foot and below 6 2 feet.	Must be above 1 foot and below 6 2 feet.
Access to the TR	Should be from a publicly accessible corridor.	Must be from a publicly accessible corridor.	Must be from a publicly accessible corridor.

12   Existing Voice System

12.1   All campuses have Mitel telephone systems with their own Octel voice mail system.

12.2   The Octel systems are old, at storage capacity, and not capable of upgrades.

12.3   There are no centralized attendants or operators for routing calls.

12.4   There is a mix of analog (single line) and digital (multi-line).

12.5   There are no ACD systems.

12.6   There are no local E911 systems; local trunks are used to call 911 and the campus address is delivered to the PSAP.

12.7   The District has no key systems.

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13   Existing LAN and WAN

    13.1   The existing campus LANs support either 10 MB, 100 MB, or 1000MB connections.

    13.2   The District's goal is a minimum of 100 MB for all connections.

    13.3   Since network switches supporting 10/100/1000 MB are becoming the standard vendor offering, migration to network switches supporting 1 GB will be reflected in the refresh cycle for the data network.

    13.4   Each campus has its own isolated core with a WAN connection to the District Office.

    13.5   None of the campuses have a second core for redundancy.

    13.6   There are no automatic back up systems. The District office backs up the data on tapes that are rotated to an off-site location.

    13.7   There are no distribution systems on the campuses. Each building is connected to the core system in that campus via multimode or single mode cable.

    13.8   The predominant backbone media is 62.5 micron multimode fiber optic cable.

    13.9   Each campus is served with a DS3 WAN connection.

14   Wireless Services In Scope

    Wireless as a convenience only.

15   Existing Cable TV

    15.1   Cable TV is in scope and will be served through IPTV solutions.

    15.2   None of the campuses have a headend CATV system.

16   Special Purpose Circuits and Networks

    Contra Costa Community College District uses the following special purpose circuits and networks.

16.1   Each fire alarm uses two analog lines and these lines are included in the voice port count.

16.2   Elevator phones are included in the analog voice port counts.

16.3   Bluelight phones are included in the analog voice port counts.

16.4   Data port growth will reflect the possible addition of special circuit data ports for such systems as:

    16.4.1   Building automation systems.

    16.4.2   HVAC monitoring systems.

    16.4.3   Supervisory Control and Data Acquisition (SCADA) systems.

    16.4.4   Video surveillance systems.

    16.4.5   Door access systems.

17   Configuration Alternatives

17.1   The configuration alternatives will address the following two physical infrastructure treatments:

    17.1.1   Separate cable plant for the voice and data networks.

    17.1.2   Combined cable plant for the voice and data networks supporting VoIP.

17.2   The configuration alternatives will address the following three voice system alternatives:

    17.2.1   Keeping the current legacy Mitel systems.

    17.2.2   Replacing the current Mitel systems with an IP PBX hybrid voice solution.

    17.2.3   Replacing the current Mitel systems with a VoIP system.

17.3   The configuration alternatives will address the following two levels of survivability:

17.3.1   Level 1: Existing level.

17.3.2   Level 2: More Survivability.

17.4   Table VI illustrates the configuration alternatives that will be addressed in this strategic planning effort. In all configurations the analog telephone ports will stay analog as they are today.

Table VI Configuration Alternatives				
Infrastructure	Combined Infrastructure: Prepare Common Cable Plant However, Do Not Deploy VoIP	Combined Infrastructure: Common Cable Plant for the Voice and Data Networks Using Partial Converged VoIP		Combined Infrastructure: Common Cable Plant for the Voice and Data Networks Using Converged VoIP	
Description	Upgrade LAN (No POE) Existing Mitel 100% Digital Phones 0% VoIP phones Convenience Wireless Video = IPTV	Upgrade LAN (100% POE) Upgraded Mitel 50% Digital Phones 50% VoIP phones Convenience Wireless Video = IPTV	Upgrade LAN (100% POE) New Hybrid IPPBX 50% Digital Phones 50% VoIP phones Convenience Wireless Video = IPTV	Upgrade LAN (100% POE) Upgraded Mitel 0% Digital Phones 100% VoIP phones Convenience Wireless Video = IPTV	Upgrade LAN (100% POE) New IPPBX or Network-Based VoIP 0% Digital Phones 100% VoIP phones Convenience Wireless Video = IPTV
Survivability	I	II	III	IV	V
More Survivability	VI	VII	VIII	IX	X

17.5   Data network alternatives.

17.5.1   Upgrade LAN - No power over Ethernet (No POE).

17.5.1.1   This alternative will include the upgrade of all data network switches to non-POE 10/100 Megabit switches.

17.5.1.2   All telecommunication rooms will have appropriate upgrades to support the data network such as HVAC, fiber riser cable, grounding, dedicated power, and rack space to support the data network growth over the planning horizon.

17.5.2   Upgrade LAN - 100% power over Ethernet (100% POE).

17.5.2.1   This alternative will include the upgrade of all data network switches to POE 10/100/1000 Megabit switches that will support VoIP or other POE devices on every campus port.

17.5.2.2   All telecommunication rooms will have appropriate upgrades to support the POE data network such as HVAC, fiber riser cable, grounding, dedicated power, and rack space to support the data network growth over the planning horizon.

17.5.3   For all configurations, CAT 3 data cable that is being replaced will be replaced with three CAT 6 cables.

17.5.4   A discount of 38% on data electronics will be used for cost models.

17.6   Telephony platforms.

17.6.1   Continued Mitel solutions will be considered.

17.6.2   Voice over Internet Protocal (VoIP) solutions through IPPBX or server-based systems will be considered.

17.6.3   Open Source systems will not be included because the District does not want to develop their own telephony platform.

17.6.4   IP Centrex solutions will not be considered because the District does not want to involve the LANs in a service level agreement with the telephone company to develop voice system delivery.

17.6.5   All voice solutions will develop the system as one voice system serving all 6 campuses, not 6 separate systems.

17.6.6   VoIP solutions can share the campus data network ports.

17.6.7 VoIP connectivity to the core systems can share the campus WAN connectivity.

17.6.8 Multiple voice core systems can be developed on separate campuses and used as backup or alternate core routing.

17.6.9 Adjunct systems such as voice mail, ACD, and E911 can be supported as one system over the entire enterprise.

17.6.10 There must be harmonious dialing throughout the campuses.

17.6.11 There must be DIDs to all extensions.

17.6.12 Classroom phones will be added to the Port Models based on classroom information from the District.

17.6.13 WTC will identify the technology management needs for the voice, LAN, and WAN, including billing management, for the purpose of projecting related budget requirements. A Technology Management Information System (TMIS) will be included in the cost models.

17.7 Convenience wireless.

17.7.1 All alternatives will include wireless access points (APs) throughout the campuses designed to satisfy the use of wireless data services in a convenience way. The term "Convenience" indicates that wireless will not be the primary source of data delivery and that the wireless APs will be available for part time convenience data connectivity when needed.

17.7.2 The wireless APs will be designed using an average 60-foot radius distribution of APs throughout the gross square footage area of campus buildings.

17.8 Video.

All alternatives will include IPTV Video capability for the data network. This will allow streaming video of selected channels through the data network to specific classes or rooms on the campuses.

17.9   Definition of Survivability.

    17.9.1   Less Survivability.

    For these configurations, WTC will model the continued survivability level that the District has developed to date.

    17.9.2   More Survivability.

        17.9.2.1   Develop a second WAN path from campus to district (or redundant systems), even if it went through another campus. The second connection should be another vendor.

        17.9.2.2   Create a redundant core for voice and data systems at SRC.

        17.9.2.3   Develop separate WAN entrances to each campus.

        17.9.2.4   Increase the UPS up-time to 4-hours in the TRs (instead of the standard 2-hour UPSs)

18   Sizing for Services

WTC will address unified communications, Automatic Call Distribution (ACD) functionality, E-911, voice conferencing, and telemanagement.

17.1   Unified Communications and Automated Attendant

    Table VII gives the sizing information for voice mail and unified communications.

Table VII Voice Mail and Unified Communications				
	Working @ Cut	*Equipped*	*Wired*	*Capacity*
Category	*At Year 1 2009*	*At Year 2 2010*	*At Year 4 2012*	*At Year 7 2015*
Estimated Mailbox Licenses	2500	2800	3000	4000

18.2   Automatic Call Distribution.

All configuration alternatives will have a fully-featured, customer-premise ACD.

18.3   The number of incoming and outgoing trunks will be based on a 17 to 1 ratio of stations to trunks.

19   Vendor Pricing

Voice and data network budget calculations will be based on representative vendor pricing and not a specific vendor's pricing.

20   Refreshment cycles to be modeled in the Life Cycle Cost Models.

20.1   Voice system hardware/software   7 years

20.2   Voice adjunct systems   5 years

20.3   Data core/distribution   5 years

20.4   WAN routers/switches   5 years

20.5   Data edge   5 years

20.6   Data UPS systems   4 years

20.7   802.11x Wireless systems   4 years

21   Services That Are Out of Scope

The following service equipment is out of scope for this engagement. The engagement will provide data network ports and fiber optic connectivity for these services under the title of "Special Networks."

21.1   Cellular service is out of the scope of this engagement.

21.2   CCTV equipment is out of scope.

21.3   Mechanical monitoring equipment is out of scope.

21.4   Light and environmental monitoring equipment is out of scope.

21.5   Electrical system monitoring equipment is out of scope.

22   Timing of Funds Assumptions

    22.1   General Assumptions

        22.1.1   Implementation will begin in the summer of 2009.

        22.1.2   Voice and Data system implementation will span 2 years.

        22.1.3   WAN implementation will span 6 months

        22.1.4   Wireless implementation will span 2 years (DVC and LMC are already doing pretty well with wireless. CCC needs help sooner). Add the cost for the wireless survey first, then phase in the coverage over 2 years.

        22.1.5   TR Construction for required rooms will span 2 years, although other rooms needing minor upgrades could be held off until the third year.

        22.1.6   The Timing of Funds model will be based on Configuration X (as determined by the Working and Steering Groups on November 17, 2008)

    22.2   Voice and data technology.

        22.2.1   Minimum number of vendors that must be included.

            22.2.1.1   There should be one integrator, but there could be multiple vendors.

            22.2.1.2   The process must be competitive and not piggy backed on existing contracts.

            22.2.1.3   There must be at least 3 competitive bids.

        22.2.2   Evaluation process rules.

            22.2.2.1   CCCCD can set up scoring rules and rating systems.

            22.2.2.2   The scoring should be published in the RFP.

        22.2.3   After a technology RFP, a reasonable amount of time to allot for Board approval is 3 months.

22.3   Wide area networking technology.

    22.3.1   Minimum number of Vendors that must be included.

        22.3.1.1   May not need an RFP process.

        22.3.1.2   Could use CALnet to supply the WAN options.

        22.3.1.3   This is a quick process.

22.4   Construction of telecommunication rooms.

    22.4.1   Construction bid process.

        22.4.1.1   Under $30k, CCCCD can negotiate with existing contractors.

        22.4.1.2 $30k - $125k CCCCD can negotiate some in an informal way.

        22.4.1.3   Over $125k must be bid. This would be a renovation alteration Public Works bid.

        22.4.1.4   CCCCD cannot split work on a campus, but could bid separate campuses in separate bids.

    22.4.2   Construction acquisition rules.

        22.4.2.1   Construction bids must have plans and specifications.

        22.4.2.2   Bid time frame will be 45 - 60 days.

    22.4.3   The average time for a remodeling project at the District (from Architectural design through start of construction) is between 3 - 6 months (includes Board approval).

    22.4.4   If CCCCD wants to build a new TR in a building, CCCCD always needs Architects, Engineers, and General Contractors.

    22.4.5   Rules for TR environmental items such as grounding HVAC ducting and added electrical.

        22.4.5.1   This is called incidental work.

        22.4.5.2   Assume, no District staff work.

22.4.5.3   CCCCD could package smaller work into less bids and work through those quicker.

22.4.5.4   Assume 1 - 2 months (Most likely only needs ratification).

22.4.6   Work can be split into phases to allow for smaller chunks and therefore an easier process.

22.4.7   Trouble areas.

22.4.7.1   Some projects need to go through a DSA minimum access review. Especially if it is over $30k.

22.4.7.2   If DSA approval is needed, there is no way to tell how long this will take.

22.4.7.3   For bigger projects, assume an additional 2-3 months for DSA approval.

Attachment II

Infrastructure Capital Costs

Summary pages are included in the written report. The detailed data files are included on the accompanying CD.

	B	C	D	E	F
1	**MASTER SUMMARY FOR ALL District BUILDINGS**	**ISP Model A**	**ISP Model B**	**ISP Model BICSI**	**Description Column**
2		**Configuration VI**	**Configuration X**	**None**	
3		**Converged Non-VoIP**	**Converged w/VoIP**	**Converged w/VoIP**	
4		**Legacy Mitel, LAN w/o In-Line Power, Wireless Overlay, More Survivable**	**100% VoIP Hybrid system, LAN w/ In-Line Power, Wireless Overlay, More Survivable**	**Industry Example**	
5	**ALL TRs**				
6	Total "No Cost" TRs	20	15	15	TR meets sizing parameters, no cost for modifications at all.
7	Total "Limited Costs" TRs	19	19	17	TR meets sizing parameters, may require HVAC, electrical, or horizontal work.
8	Total Level A Remodel TRs	62	50	29	Needs a little work, such as grounding, cleanup, fireproofing, etc.
9	Total Level B Remodel TRs	23	27	38	Needs some work like Level A plus ceiling, reformatting racks, blocks, etc.
10	Total Level C Remodel TRs	4	5	15	Needs to be expanded but keep the TR in the same place (affects space).
11	Total "Rebuild" TRs	11	12	16	Move the TR to a new location, recable horizontal and riser.
12	Total "Abandon" TRs	16	46	44	Abandon the TR, recable horizontal to another TR.
13	Total Self-Contained Cabinets to Be Installed in Lieu of TRs	18	0	0	TRs that will receive Type 2 self-contained cabinets.
14	Total TRs (checking remodeling levels)	173	174	174	
15	Additional TRs That Need to Be Added to Meet the Alternative Requirements	0	0	0	Includes the new TRs that need to be added, not expanded or rebuilt.
16	Total Square Footage That Will Need to Be Added to Each Alternative	1,436	1,567	2,657	Includes janitor, storage, expanding, rebuilding, and adding new TRs.
17					
18	**TR CONSTRUCTION:**				
19	Remodel Level A Costs	$ 371,000	$ 329,000	$ 203,000	Remodeling TRs (A Level)
20	Remodel Level B Costs	$ 168,000	$ 210,000	$ 399,000	Remodeling TRs (B Level)
21	Remodel Level C Costs	$ 48,000	$ 64,000	$ 240,000	Remodeling TRs (C Level)
22	Cost for Self-Contained Cabinets	$ 93,500	$ -	$ -	
23	Rebuild Costs	$ 233,400	$ 256,500	$ 330,600	Rebuilding TRs in new areas.
24	Additional TRs Needed Due to Large Area Covered	$ -	$ -	$ -	Additional TRs needed due to large area covered.
25					
26	**CLEARING TR AREA:**				
27	Cost to Clear the Storage Out of the TR	$ 5,000	$ 5,000	$ 5,500	This will affect building space and is added in to line 13.
28	Cost to Clear the Janitor Out of the TR	$ -	$ -	$ 4,572	This will affect building space and is added in to line 13.
29					
30	**TR ENVIRONMENTAL:**				
31	Cost for Air Conditioning Units if Needed (based on sizing category)	$ 168,000	$ 174,000	$ 226,000	water.
32	Cost for Dedicated Electrical Circuits if Needed (based on sizing category)	$ 94,600	$ 99,100	$ 125,500	Cost for added dedicated electrical if needed.
33	Cost for Installation of Proper Key for the TR	$ 9,500	$ 7,200	$ 7,900	Cost to re-key if the TR is not on certain eyes already.
34					
35	**HORIZONTAL RECABLING DUE TO TR CONSTRUCTION:**				
36	Recabling Horizontal Cabling Due to TR Rebuild or Building a New TR	$ 360,090	$ 422,730	$ 711,945	Recabling horizontal voice and data cable when rebuilding a TR.
37	Recabling Horizontal Cabling for Abandoned TRs	$ 495,831	$ 879,690	$ 1,041,015	Recabling horizontal voice and data cable when abandoning a TR.
38	Cost to install patch panels in an existing TR that does not have patch panels	$ 147,135	$ 147,135	$ 185,300	
39					
40	**HORIZONTAL RECABLING DUE TO CAT 3 DATA REPLACEMENT:**				
41	Recabling Due to Cat 3 or Thinnet in the TR	$ 9,275	$ 9,275	$ 9,275	Recabling horizontal data cable when old cable was Cat 3.
42					

B	C	D	E	F
MASTER SUMMARY FOR ALL District BUILDINGS	**ISP Model A**	**ISP Model B**	**ISP Model BICSI**	**Description Column**
	Configuration VI	**Configuration X**	**None**	
	Converged Non-VoIP	**Converged w/VoIP**	**Converged w/VoIP**	
	Legacy Mitel, LAN w/o In-Line Power, Wireless Overlay, More Survivable	**100% VoIP Hybrid system, LAN w/ In-Line Power, Wireless Overlay, More Survivable**	**Industry Example**	
43 **ADDITION OF RISER CONDUIT, FIBER, and COPPER CABLING:**				
44 Cost of Riser Conduit to Add More Riser Fiber	$ 250,000	$ 262,500	$ 262,500	Cost of riser conduit if needed (includes core drilling & placement).
45 Cost of New Riser Fiber to Existing TRs	$ 32,716	$ 61,207	$ 92,687	Cost of riser fiber cable to augment existing fiber to capacity #s.
46 Reinstalling Riser Conduit, Copper, and Fiber Due to TR Rebuild	$ 91,312	$ 100,443	$ 146,099	Recabling riser copper cable when rebuilding a TR.
47				
48 **ISP Totals**	$ **2,577,358**	$ **3,027,779**	$ **3,990,892**	
49				
50				
51 Average Cost Per TR (overall for the entire campus) =	$ 14,898	$ 17,401	$ 22,936	
52 Average Cost Per TR (for those TRs that need some type of augmentation) =	$ 16,845	$ 19,043	$ 25,100	
53				
54				
55 **TR Construction**	$ 913,900	$ 859,500	$ 1,172,600	
56 **Clearing TR Area**	$ 5,000	$ 5,000	$ 10,072	
57 **TR Environmental**	$ 272,100	$ 280,300	$ 359,400	
58 **ISP Fiber Riser Costs**	$ 374,028	$ 424,150	$ 501,286	
59 **Horizontal Cabling Due to TR Contruction**	$ 855,921	$ 1,302,420	$ 1,752,960	
60 **Horizontal Cabling Due to Substandard Data Cable or VoIP Installation**	$ 156,410	$ 156,410	$ 194,575	
61 **ISP Totals**	$ **2,577,358**	$ **3,027,779**	$ **3,990,892**	
62				
63				
64				
65 ADDED COSTS FOR DESIGN AND IMPLEMENTATION:				
66 Tax for ISP TR Construction and Wiring (on 70% of the project)	$ -	$ -	$ -	
67 Contingency	$ 257,736	$ 302,778	$ 399,089	
68 Engineering / Drawings	$ 154,641	$ 181,667	$ 239,454	
69 Professional Services (Pre-Construction Manager)	$ 128,868	$ 151,389	$ 199,545	
70 Construction Manager Cost	$ 128,868	$ 151,389	$ 199,545	
71 Commissioning Cost	$ 77,321	$ 90,833	$ 119,727	
72 Capital Project Management	$ -	$ -	$ -	
73				
74 **Total for ISP Including Added Costs**	$ **3,324,792**	$ **3,905,835**	$ **5,148,251**	
75				
76				
77				
78				

WTC Historical Information
Based on Telecommincation Room (TR) Surveys at 15 Clients Representing 7,659 TRs
Percentages Show the Breakdown of TR Remodel or Rebuild Solutions

Cabinet Solution, 2.29%

Abandon the TR, 16.31%

None / Limited Cost, 29.83%

Rebuild the TR, 19.15%

Remodel Level A, 10.06%

Remodel Level C, 13.22%

Remodel Level B, 7.68%
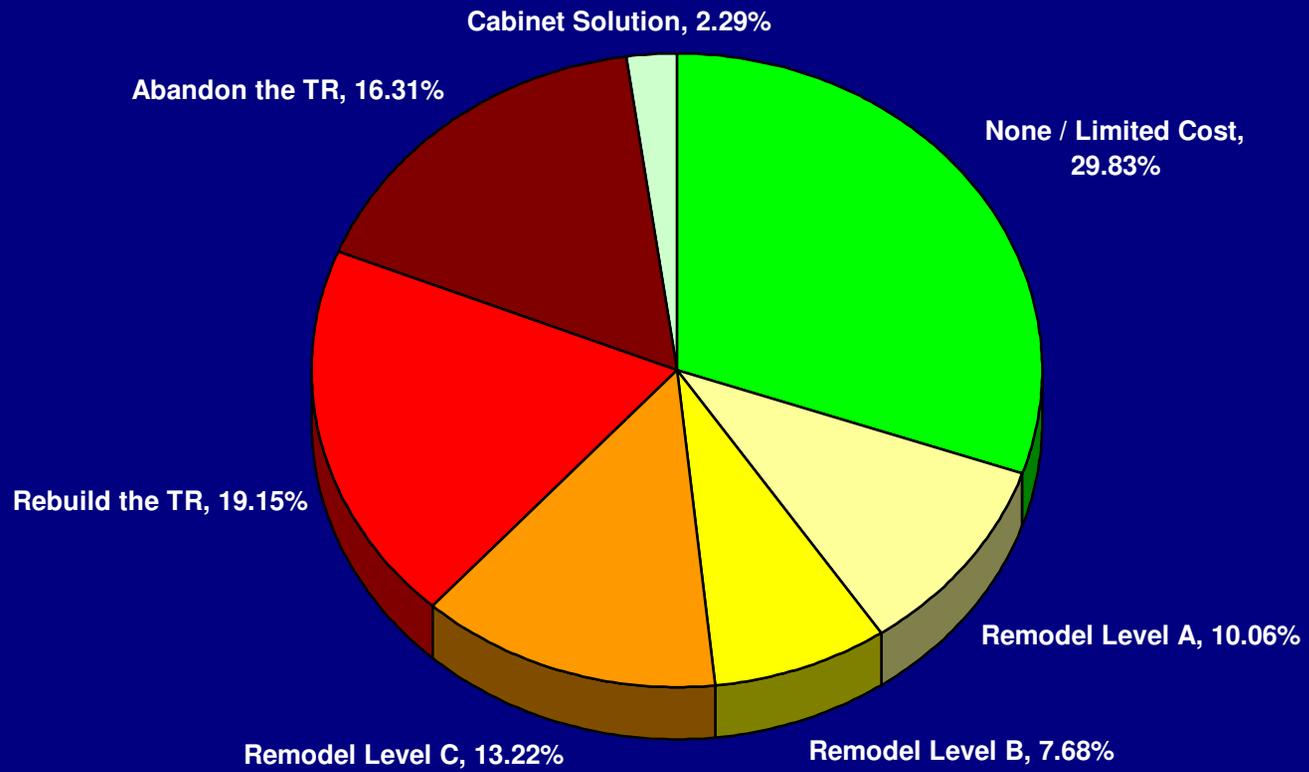
Contra Costa Community College District TR Information
Based on Telecommincation Room (TR) Surveys of 174 TRs
Percentages Show the Breakdown of TR Remodel or Rebuild Solutions

Cabinet Solution, 0.00%

None / Limited Cost, 18.39%

Abandon the TR, 25.29%

Remodel Level A, 16.67%

Rebuild the TR, 9.20%

Remodel Level C, 8.62%

Remodel Level B, 21.84%

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Unique Bldg ID	Building Name	Floor	TR ID	Consolidated TR ID	Voice Only, Data Only, V/D, V/PassiveD	Gross Sq. Ft. for the Building	Client TR Room No.	Number of Floors in the Building	Street Address	Gross Sq. Ft. for the Floor	Assignable Sq. Ft. for the Floor	OSP Copper	Riser Copper	Riser MM Fiber	Riser SM Fiber
2	bldgid	bldgname	floor	198	trid	vdboth		trroom	numflrs	address	gsqftfl	asqftfl	ospcop	ispcop	rismm	rissm
3																
4	B-BWC	Brentwood Center	1	1.1	B-BWC-1.1	V/D	10178		1	101 Sand Creek Roa	10178	7125	0	0	0	0
5	C-A	Art Building	1	1.1	C-A-1.1	V/D	16472	22	1	2600 Mission Bell D	16472	11530	50	0	0	0
6	C-A	Art Building	1	1.2	C-A-1.2	Data Only	16472	1a	1	2600 Mission Bell D	16472	11530	0	0	0	0
7	C-A	Art Building	1	1.3	C-A-1.3	Voice Only	16472	3a	1	2600 Mission Bell D	16472	11530	0	25	0	0
8	C-AA	Applied Arts & Administration	1	1.1	C-AA-1.1	V/D	33972	139	2	2600 Mission Bell D	16986	11890	300	0	0	0
9	C-AA	Applied Arts & Administration	1	1.2	C-AA-1.2	Voice Only	33972	130	2	2600 Mission Bell D	16986	11890	0	50	0	0
10	C-AA	Applied Arts & Administration	2	2.1	C-AA-2.1	V/D	33972	213	2	2600 Mission Bell D	16986	11890	0	100	0	0
11	C-AA	Applied Arts & Administration	2	2.2	C-AA-2.2	Voice Only	33972	230	2	2600 Mission Bell D	16986	11890	0	50	0	0
12	C-AA	Applied Arts & Administration	2	2.3	C-AA-2.3	Data Only	33972	219	2	2600 Mission Bell D	16986	11890	0	0	0	0
13	C-AT	Automotive Technology	1	1.1	C-AT-1.1	V/D	15373	Next to Rm109	1	2600 Mission Bell D	15373	10761	0	50	0	0
14	C-B	Biological Science	1	1.1d	C-B-1.1d	Data Only	14377	23	1	2600 Mission Bell D	14377	10064	0	0	0	0
15	C-B	Biological Science	1	1.2v	C-B-1.2v	Voice Only	14377	5	1	2600 Mission Bell D	14377	10064	25	0	0	0
16	C-BH	Boiler House	1	1.1	C-BH-1.1	V/D	200		1	2600 Mission Bell D	200	140	100	0	0	0
17	C-BPB	Baseball Press Box	0	None	C-BPB-None	Voice Only	86		1	2600 Mission Bell D	86	60	0	0	0	0
18	C-C	Custodial Office	1	1.1	C-C-1.1	V/D	827		1	2600 Mission Bell D	827	579	12	0	0	0
19	C-CHS	Hazardous Storage	0	None	C-CHS-None	Other	500		1	2600 Mission Bell D	500	350	0	0	0	0
20	C-CON	Football Concession	0	None	C-CON-None	Voice Only	350		1	2600 Mission Bell D	350	245	0	0	0	0
21	C-CS	Chemical Storage	0	None	C-CS-None	Other	3731		1	2600 Mission Bell D	3731	2612	0	0	0	0
22	C-CTC	Computer Technology Center	1	1.1	C-CTC-1.1	V/D	800	102	1	2600 Mission Bell D	800	560	50	0	0	0
23	C-ELC	Early Learning Center	1	1.1	C-ELC-1.1	V/D	5699	124	1	2600 Mission Bell D	5699	3989	50	0	0	0
24	C-FPB	Football Pressbox	1	1.1	C-FPB-1.1	V/D	480		1	2600 Mission Bell D	480	336	12	0	0	0
25	C-GA	Gym Annex	1	1.1v	C-GA-1.1v	Voice Only	17080	15	2	2600 Mission Bell D	8540	5978	50	0	0	0
26	C-GA	Gym Annex	2	2.1v	C-GA-2.1v	Voice Only	17080	39	2	2600 Mission Bell D	8540	5978	0	25	0	0
27	C-GA	Gym Annex	2	2.2	C-GA-2.2	Data Only	17080	GA95	2	2600 Mission Bell D	8540	5978	0	0	0	0
28	C-GY	Gymnasium	0	None	C-GY-None	Voice Only	17659		1	2600 Mission Bell D	17659	12361	0	0	0	0
29	C-H	Humanities Building	1	1.1d	C-H-1.1d	Data Only	14684	26	1	2600 Mission Bell D	14684	10279	0	0	0	0
30	C-H	Humanities Building	1	1.2	C-H-1.2	Data Only	14684	9	1	2600 Mission Bell D	14684	10279	0	0	0	0
31	C-H	Humanities Building	1	1.3d	C-H-1.3d	Other	14684	10	1	2600 Mission Bell D	14684	10279	0	0	0	0
32	C-H	Humanities Building	1	1.4v	C-H-1.4v	Other	14684	11	1	2600 Mission Bell D	14684	10279	0	100	0	0
33	C-H	Humanities Building	1	1.5v	C-H-1.5v	Voice Only	14684	14	1	2600 Mission Bell D	14684	10279	100	0	0	0
34	C-HS	Health Sciences Building	1	1.1v	C-HS-1.1v	Voice Only	7193	2	2	2600 Mission Bell D	3597	2518	0	50	0	0
35	C-LA	Liberal Arts	0	0.1	C-LA-0.1	V/D	18820	28	3	2600 Mission Bell D	6273	4391	300	0	0	0
36	C-LA	Liberal Arts	0	0.2v	C-LA-0.2v	Voice Only	18820	21	3	2600 Mission Bell D	6273	4391	0	50	0	0
37	C-LA	Liberal Arts	1	1.1	C-LA-1.1	Other	18820	Outside 103	3	2600 Mission Bell D	6273	4391	0	0	0	0
38	C-LA	Liberal Arts	2	2.1	C-LA-2.1	V/D	18820	205	3	2600 Mission Bell D	6273	4391	0	0	12	12
39	C-LLRC	Library and Learning Resource Ce	1	1.1	C-LLRC-1.1	V/D	25738	127	2	2600 Mission Bell D	12869	9008	100	0	0	0
40	C-LLRC	Library and Learning Resource Ce	2	2.1	C-LLRC-2.1	V/D	25738	215	2	2600 Mission Bell D	12869	9008	0	200	12	0
41	C-M	Music	1	1.1d	C-M-1.1d	Data Only	8176	104b	1	2600 Mission Bell D	8176	5723	0	0	0	0
42	C-M	Music	1	1.2	C-M-1.2	Voice Only	8176	117	1	2600 Mission Bell D	8176	5723	25	0	0	0
43	C-MA	Maintenance	1	1.1	C-MA-1.1	Voice Only	5423	Wall block	1	2600 Mission Bell D	5423	3796	6	0	0	0
44	C-ML	Mens Locker	1	1.1	C-ML-1.1	V/D	6699	Rm 7	1	2600 Mission Bell D	6699	4689	50	0	0	0
45	C-PAC	Performing Arts Center	1	1.1	C-PAC-1.1	Voice Only	15672	139	1	2600 Mission Bell D	15672	10970	50	25	0	0
46	C-PAC	Performing Arts Center	1	1.2d	C-PAC-1.2d	Data Only	15672	122	1	2600 Mission Bell D	15672	10970	0	0	0	0
47	C-PS	Physical Science	1	1.1	C-PS-1.1	V/D	16082	112	1	2600 Mission Bell D	16082	11257	100	0	0	0
48	C-PS	Physical Science	1	1.2d	C-PS-1.2d	Data Only	16082	107	1	2600 Mission Bell D	16082	11257	0	0	0	6
49	C-PS	Physical Science	1	1.3d	C-PS-1.3d	Data Only	16082	15	1	2600 Mission Bell D	16082	11257	0	0	0	0
50	C-PS	Physical Science	1	1.4v	C-PS-1.4v	Voice Only	16082	2	1	2600 Mission Bell D	16082	11257	100	0	0	0
51	C-R	Buildings and Grounds / Police	1	1.1v	C-R-1.1v	V/D	3035	6	1	2600 Mission Bell D	3035	2125	50	0	0	0
52	C-R	Buildings and Grounds / Police	1	1.2	C-R-1.2	Data Only	3035	1c	1	2600 Mission Bell D	3035	2125	0	0	0	0
53	C-SA	Student Activities	1	1.1	C-SA-1.1	Data Only	19466	32	1	2600 Mission Bell D	19466	13626	0	0	0	0
54	C-SA	Student Activities	1	1.2	C-SA-1.2	V/D	19466	21	1	2600 Mission Bell D	19466	13626	200	0	0	0
55	C-SA	Student Activities	1	1.3v	C-SA-1.3v	Voice Only	19466	7	1	2600 Mission Bell D	19466	13626	0	200	0	0
56	C-SSC	Student Services Center	1	1.1	C-SSC-1.1	V/D	8000	109	1	2600 Mission Bell D	8000	5600	200	0	0	0

	B	C	D	E	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1	Unique Bldg ID	Building Name	Floor	TR ID	OSP MM Fiber	OSP SM Fiber	Total Existing Analog Ports (from survey)	Total Existing Multiline Telephones (from survey)	10 Base-T Hub Ports (from survey)	10/100 Base-T Switch Ports (from survey)	1 Gig Switch Ports (from survey)	Total Capacity Analog Ports	Total Capacity Multiline Telephones	Total Capacity 10 Base-T Hub Ports	Total Capacity 10/100 Base-T Switch Ports	Total Capacity 1 Gig Switch Ports
2	bldgid	bldgname	floor	198	ospmm	ospsm	eaport	emport	e10tport	e100tport	e1000tport	caport	cmport	c10tport	c100tport	c1000toort
3							434	2686	0	0	11362	456	2889	0	0	17487
4	B-BWC	Brentwood Center	1	1.1	0	0	16	32	0	0	300	19	38	0	0	576
5	C-A	Art Building	1	1.1	6	0	1	8	0	0	25	1	10	0	0	48
6	C-A	Art Building	1	1.2	0	0	0	0	0	0	50	0	0	0	0	96
7	C-A	Art Building	1	1.3	0	0	2	4	0	0	0	2	5	0	0	0
8	C-AA	Applied Arts & Administration	1	1.1	6	0	4	36	0	0	131	4	38	0	0	252
9	C-AA	Applied Arts & Administration	1	1.2	0	0	8	0	0	0	0	8	0	0	0	0
10	C-AA	Applied Arts & Administration	2	2.1	0	0	0	38	0	0	50	0	40	0	0	96
11	C-AA	Applied Arts & Administration	2	2.2	0	0	1	14	0	0	0	1	15	0	0	0
12	C-AA	Applied Arts & Administration	2	2.3	0	0	0	0	0	0	200	0	0	0	0	384
13	C-AT	Automotive Technology	1	1.1	0	0	5	6	0	0	73	6	7	0	0	115
14	C-B	Biological Science	1	1.1d	6	6	0	0	0	0	48	0	0	0	0	58
15	C-B	Biological Science	1	1.2v	0	0	1	10	0	0	0	1	11	0	0	0
16	C-BH	Boiler House	1	1.1	12	12	2	0	0	0	10	2	0	0	0	12
17	C-BPB	Baseball Press Box	0	None	0	0	1	0	0	0	0	1	0	0	0	0
18	C-C	Custodial Office	1	1.1	6	0	0	8	0	0	8	0	8	0	0	10
19	C-CHS	Hazardous Storage	0	None	0	0	0	0	0	0	0	0	0	0	0	0
20	C-CON	Football Concession	0	None	0	0	1	0	0	0	0	1	0	0	0	0
21	C-CS	Chemical Storage	0	None	0	0	0	0	0	0	0	0	0	0	0	0
22	C-CTC	Computer Technology Center	1	1.1	12	12	0	16	0	0	291	0	17	0	0	346
23	C-ELC	Early Learning Center	1	1.1	12	12	2	9	0	0	24	2	9	0	0	38
24	C-FPB	Football Pressbox	1	1.1	0	0	1	1	0	0	1	1	1	0	0	1
25	C-GA	Gym Annex	1	1.1v	0	0	1	3	0	0	0	1	3	0	0	0
26	C-GA	Gym Annex	2	2.1v	0	0	1	14	0	0	0	1	15	0	0	0
27	C-GA	Gym Annex	2	2.2	6	6	0	0	0	0	24	0	0	0	0	38
28	C-GY	Gymnasium	0	None	0	0	1	2	0	0	0	1	2	0	0	0
29	C-H	Humanities Building	1	1.1d	0	0	0	0	0	0	218	0	0	0	0	259
30	C-H	Humanities Building	1	1.2	0	0	0	0	0	0	16	0	0	0	0	19
31	C-H	Humanities Building	1	1.3d	0	0	0	0	0	0	0	0	0	0	0	0
32	C-H	Humanities Building	1	1.4v	0	0	0	0	0	0	0	0	0	0	0	0
33	C-H	Humanities Building	1	1.5v	0	0	1	12	0	0	0	1	13	0	0	0
34	C-HS	Health Sciences Building	1	1.1v	0	0	1	17	0	0	0	1	19	0	0	0
35	C-LA	Liberal Arts	0	0.1	6	0	2	48	0	0	121	2	50	0	0	144
36	C-LA	Liberal Arts	0	0.2v	0	0	0	3	0	0	0	0	3	0	0	0
37	C-LA	Liberal Arts	1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
38	C-LA	Liberal Arts	2	2.1	0	0	1	3	0	0	24	1	3	0	0	29
39	C-LLRC	Library and Learning Resource Cen	1	1.1	12	12	0	8	0	0	218	0	8	0	0	259
40	C-LLRC	Library and Learning Resource Cen	2	2.1	0	0	0	18	0	0	48	0	19	0	0	58
41	C-M	Music	1	1.1d	6	0	0	0	0	0	25	0	0	0	0	48
42	C-M	Music	1	1.2	0	0	1	4	0	0	0	1	4	0	0	0
43	C-MA	Maintenance	1	1.1	0	0	0	2	0	0	0	0	2	0	0	0
44	C-ML	Mens Locker	1	1.1	0	0	0	2	0	0	12	0	2	0	0	19
45	C-PAC	Performing Arts Center	1	1.1	12	12	2	6	0	0	0	2	7	0	0	0
46	C-PAC	Performing Arts Center	1	1.2d	0	0	0	0	0	0	25	0	0	0	0	48
47	C-PS	Physical Science	1	1.1	6	0	2	19	0	0	73	2	20	0	0	86
48	C-PS	Physical Science	1	1.2d	0	0	0	0	0	0	48	0	0	0	0	58
49	C-PS	Physical Science	1	1.3d	0	0	0	0	0	0	26	0	0	0	0	31
50	C-PS	Physical Science	1	1.4v	0	0	1	3	0	0	0	1	3	0	0	0
51	C-R	Buildings and Grounds / Police	1	1.1v	0	0	1	14	0	0	24	1	15	0	0	29
52	C-R	Buildings and Grounds / Police	1	1.2	12	12	0	0	0	0	48	0	0	0	0	58
53	C-SA	Student Activities	1	1.1	6	0	0	0	0	0	73	0	0	0	0	86
54	C-SA	Student Activities	1	1.2	0	0	0	21	0	0	48	0	22	0	0	58
55	C-SA	Student Activities	1	1.3v	0	0	0	13	0	0	0	0	14	0	0	0
56	C-SSC	Student Services Center	1	1.1	12	12	0	78	0	0	267	0	82	0	0	317

From file H:\CCCCdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR

	B	C	D	E	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ
1	Unique Bldg ID	Building Name *From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR*	Floor	TR ID	Voice Growth Type (Low, Medium, or High)	Data Growth Type (Low, Medium, or High)	Assumed # of racks housing 192 ports without VoIP (Just data Ports)	Assumed # of racks housing 192 ports with VoIP (VoIP & data Ports)	Voice Node Location	Data Node Location	Sizing Calcs	Total Existing Ports in the TR	Total Ports at Capacity in the TR	This TR Capacity Falls into this Sizing Category	Expert Review	TR Type 1 = MDF 2 = IDF 3 = Voice Only 4 = Node	1 = Voice 2 = Data 3 = Both 4 = V/Passive Data 5 = Unknown	Demo or Remodel Planned? 1 = Yes 2 = No
2	bldgid	bldgname	floor	198	vgrwth	dgrwth	rknvoip	rkwvoip	vnode	dnode		Etotpts	ctotpts	trsizing		trtype	vdnote	Demo
3																		
4	B-BWC	Brentwood Center	1	1.1	H	H	3	4	B-BWC-1.1	B-BWC-1.1		348	633	Large		MDF	V & D	No
5	C-A	Art Building	1	1.1	H	H	1	1	C-AA-1.1	C-H-1.1d		34	59	Small		MDF	Voice	No
6	C-A	Art Building	1	1.2	H	H	1	1	C-AA-1.1	C-H-1.1d		50	96	Medium		IDF	V & D	No
7	C-A	Art Building	1	1.3	H	H	0	1	C-AA-1.1	C-H-1.1d		6	7	Small		IDF	V & D	No
8	C-AA	Applied Arts & Administration	1	1.1	L	H	2	2	C-AA-1.1	C-H-1.1d		171	294	Medium		MDF	V & D	No
9	C-AA	Applied Arts & Administration	1	1.2	L	H	0	0	C-AA-1.1	C-H-1.1d		8	8	Small		IDF	Voice	No
10	C-AA	Applied Arts & Administration	2	2.1	L	H	1	1	C-AA-1.1	C-H-1.1d		88	136	Medium		IDF	V & D	No
11	C-AA	Applied Arts & Administration	2	2.2	L	H	0	1	C-AA-1.1	C-H-1.1d		15	16	Small		IDF	V & D	No
12	C-AA	Applied Arts & Administration	2	2.3	L	H	2	2	C-AA-1.1	C-H-1.1d		200	384	Large		IDF	V & D	No
13	C-AT	Automotive Technology	1	1.1	M	M	1	1	C-AA-1.1	C-H-1.1d		84	128	Medium		IDF	V & D	No
14	C-B	Biological Science	1	1.1d	L	L	1	1	C-AA-1.1	C-H-1.1d		48	58	Small		MDF	V & D	No
15	C-B	Biological Science	1	1.2v	L	L	0	1	C-AA-1.1	C-H-1.1d		11	12	Small		MDF	V & D	No
16	C-BH	Boiler House	1	1.1	L	L	1	1	C-AA-1.1	C-H-1.1d		12	14	Small		MDF	V & D	No
17	C-BPB	Baseball Press Box	0	None	L	L	0	0	C-AA-1.1	C-H-1.1d		1	1	Small		MDF	V & D	No
18	C-C	Custodial Office	1	1.1	L	L	1	1	C-AA-1.1	C-H-1.1d		16	18	Small		MDF	V & D	No
19	C-CHS	Hazardous Storage	0	None	L	M	0	0	C-AA-1.1	C-H-1.1d		0	0	BLANK		MDF	V & D	No
20	C-CON	Football Concession	0	None	L	L	0	0	C-AA-1.1	C-H-1.1d		1	1	Small		MDF	V & D	No
21	C-CS	Chemical Storage	0	None	L	M	0	0	C-AA-1.1	C-H-1.1d		0	0	BLANK		MDF	V & D	No
22	C-CTC	Computer Technology Center	1	1.1	L	L	2	2	C-AA-1.1	C-H-1.1d		307	363	Large		MDF	V & D	No
23	C-ELC	Early Learning Center	1	1.1	L	M	1	1	C-AA-1.1	C-H-1.1d		35	49	Small		MDF	V & D	No
24	C-FPB	Football Pressbox	1	1.1	L	L	1	1	C-AA-1.1	C-H-1.1d		3	3	Small		MDF	V & D	No
25	C-GA	Gym Annex	1	1.1v	L	M	0	1	C-AA-1.1	C-H-1.1d		4	4	Small		MDF	V & D	No
26	C-GA	Gym Annex	2	2.1v	L	M	0	1	C-AA-1.1	C-H-1.1d		15	16	Small		MDF	V & D	No
27	C-GA	Gym Annex	2	2.2	L	M	1	1	C-AA-1.1	C-H-1.1d		24	38	Small		MDF	V & D	No
28	C-GY	Gymnasium	0	None	L	L	0	1	C-AA-1.1	C-H-1.1d		3	3	Small		MDF	V & D	No
29	C-H	Humanities Building	1	1.1d	L	L	2	2	C-AA-1.1	C-H-1.1d		218	259	Large		MDF	Data	No
30	C-H	Humanities Building	1	1.2	L	L	1	1	C-AA-1.1	C-H-1.1d		16	19	Small		IDF	Voice	No
31	C-H	Humanities Building	1	1.3d	L	L	0	0	C-AA-1.1	C-H-1.1d		0	0	BLANK		IDF	V & D	No
32	C-H	Humanities Building	1	1.4v	L	L	0	0	C-AA-1.1	C-H-1.1d		0	0	BLANK		IDF	Voice	No
33	C-H	Humanities Building	1	1.5v	L	L	0	1	C-AA-1.1	C-H-1.1d		13	14	Small		MDF	V & D	No
34	C-HS	Health Sciences Building	1	1.1v	M	M	0	1	C-AA-1.1	C-H-1.1d		18	20	Small		IDF	Voice	No
35	C-LA	Liberal Arts	0	0.1	L	L	1	2	C-AA-1.1	C-H-1.1d		171	196	Medium		MDF	V & D	No
36	C-LA	Liberal Arts	0	0.2v	L	L	0	1	C-AA-1.1	C-H-1.1d		3	3	Small		IDF	Voice	No
37	C-LA	Liberal Arts	1	1.1	L	L	0	0	C-AA-1.1	C-H-1.1d		0	0	BLANK		IDF	V & D	No
38	C-LA	Liberal Arts	2	2.1	L	L	1	1	C-AA-1.1	C-H-1.1d		28	33	Small		IDF	V & D	No
39	C-LLRC	Library and Learning Resource Cer	1	1.1	L	L	2	2	C-AA-1.1	C-H-1.1d		226	267	Large		MDF	V & D	No
40	C-LLRC	Library and Learning Resource Cer	2	2.1	L	L	1	1	C-AA-1.1	C-H-1.1d		66	77	Medium		MDF	V & D	No
41	C-M	Music	1	1.1d	M	H	1	1	C-AA-1.1	C-H-1.1d		25	48	Small		MDF	V & D	No
42	C-M	Music	1	1.2	M	H	0	1	C-AA-1.1	C-H-1.1d		5	5	Small		MDF	V & D	No
43	C-MA	Maintenance	1	1.1	L	L	0	1	C-AA-1.1	C-H-1.1d		2	2	Small		MDF	V & D	No
44	C-ML	Mens Locker	1	1.1	L	M	1	1	C-AA-1.1	C-H-1.1d		14	21	Small		MDF	V & D	No
45	C-PAC	Performing Arts Center	1	1.1	M	H	0	1	C-AA-1.1	C-H-1.1d		8	9	Small		MDF	Voice	No
46	C-PAC	Performing Arts Center	1	1.2d	M	H	1	1	C-AA-1.1	C-H-1.1d		25	48	Small		MDF	Data	No
47	C-PS	Physical Science	1	1.1	L	L	1	1	C-AA-1.1	C-H-1.1d		94	108	Medium		MDF	V & D	No
48	C-PS	Physical Science	1	1.2d	L	L	1	1	C-AA-1.1	C-H-1.1d		48	58	Small		IDF	Data	No
49	C-PS	Physical Science	1	1.3d	L	L	1	1	C-AA-1.1	C-H-1.1d		26	31	Small		IDF	Data	No
50	C-PS	Physical Science	1	1.4v	L	L	0	1	C-AA-1.1	C-H-1.1d		4	4	Small		MDF	Voice	No
51	C-R	Buildings and Grounds / Police	1	1.1v	L	L	1	1	C-AA-1.1	C-H-1.1d		39	45	Small		MDF	V & D	No
52	C-R	Buildings and Grounds / Police	1	1.2	L	L	1	1	C-AA-1.1	C-H-1.1d		48	58	Small		IDF	V & D	No
53	C-SA	Student Activities	1	1.1	L	L	1	1	C-AA-1.1	C-H-1.1d		73	86	Medium		MDF	V & D	No
54	C-SA	Student Activities	1	1.2	L	L	1	1	C-AA-1.1	C-H-1.1d		69	80	Medium		MDF	V & D	No
55	C-SA	Student Activities	1	1.3v	L	L	0	1	C-AA-1.1	C-H-1.1d		13	14	Small		IDF	Voice	No
56	C-SSC	Student Services Center	1	1.1	L	L	2	3	C-AA-1.1	C-H-1.1d		345	399	Large		MDF	V & D	No

	B	C	D	E	AR	AS	AT	AU	AV	AW	AX
1	Unique Bldg ID	Building Name	Floor	TR ID	Is the Building 1 = Active 2 = Inactive 3 = Razed	Building is on the National Register Historic List (Listed, Potential, No)	Notes from Technicians and Engineers	Access Comments from the Engineers and Survey Personnel	Building Has Campus Chilled Water Y / N = CHW or No CHW	Service Area for this TR (% of square footage) on the TR Floor	Square Footage Served on the TR Floor Based on % of Service Area
	From file H:\CCCCdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR										
2	bldgid	bldgname	floor	198	actrzd	histtr	technote	accnote	chw	serarea	servsqft
3											
4	B-BWC	Brentwood Center	1	1.1	Active	No			CHW	100%	7,125
5	C-A	Art Building	1	1.1	Active	No		Open to classroom area	CHW	50%	5,765
6	C-A	Art Building	1	1.2	Active	No	computer lab and classroom only		CHW	50%	5,765
7	C-A	Art Building	1	1.3	Active	No	classroom, voice only		CHW	50%	5,765
8	C-AA	Applied Arts & Administration	1	1.1	Active	No	Voice core and MPOE		CHW	100%	11,890
9	C-AA	Applied Arts & Administration	1	1.2	Active	No			CHW	100%	11,890
10	C-AA	Applied Arts & Administration	2	2.1	Active	No			CHW	50%	5,945
11	C-AA	Applied Arts & Administration	2	2.2	Active	No			CHW	50%	5,945
12	C-AA	Applied Arts & Administration	2	2.3	Active	No	Classroom	Mounted in ceiling above storage room	CHW	50%	5,945
13	C-AT	Automotive Technology	1	1.1	Active	No	Attached to Computer Tech Building		CHW	100%	10,761
14	C-B	Biological Science	1	1.1d	Active	No	Data only, cabinet	In women's bathroom	CHW	100%	10,064
15	C-B	Biological Science	1	1.2v	Active	No	Voice only		CHW	100%	10,064
16	C-BH	Boiler House	1	1.1	Active	No	This MDF interconnects four adjacent buildings		CHW	100%	140
17	C-BPB	Baseball Press Box	0	None	Active	No	Fed like the Concession Stand	NO EXISTING TR	CHW	100%	60
18	C-C	Custodial Office	1	1.1	Active	No		Mounted in ceiling of storage area	CHW	100%	579
19	C-CHS	Hazardous Storage	0	None	Active	No	No services	NO EXISTING TR	CHW	100%	350
20	C-CON	Football Concession	0	None	Active	No	Direct cable from Gym Annex	NO EXISTING TR	CHW	100%	245
21	C-CS	Chemical Storage	0	None	Active	No	No services	NO EXISTING TR	CHW	100%	2,612
22	C-CTC	Computer Technology Center	1	1.1	Active	No	Also called 197f		CHW	100%	560
23	C-ELC	Early Learning Center	1	1.1	Active	No		Transformer in the room	CHW	100%	3,989
24	C-FPB	Football Pressbox	1	1.1	Active	No	Fed from Gym Annex (2nd floor), one data copp	Mountedin north end closet	CHW	100%	336
25	C-GA	Gym Annex	1	1.1v	Active	No	Voice only		CHW	50%	2,989
26	C-GA	Gym Annex	2	2.1v	Active	No	Mechanical room - Voice only, feeds football pre		CHW	50%	2,989
27	C-GA	Gym Annex	2	2.2	Active	No			CHW	100%	5,978
28	C-GY	Gymnasium	0	None	Active	No	Voice Fed from men's locker room	NO EXISTING TR	CHW	100%	12,361
29	C-H	Humanities Building	1	1.1d	Active	No	Data only, also the campus core	Open to larger room, AC unit not effective	CHW	33%	3,392
30	C-H	Humanities Building	1	1.2	Active	No		Wall mounted rack	CHW	33%	3,392
31	C-H	Humanities Building	1	1.3d	Active	No	Data only, WAN connectivity comes in here	Cabinets for DS3 and routers	CHW	33%	3,392
32	C-H	Humanities Building	1	1.4v	Active	No	Voice only, also feed CTC, SSE and Library		CHW	50%	5,139
33	C-H	Humanities Building	1	1.5v	Active	No	Voice only		CHW	50%	5,139
34	C-HS	Health Sciences Building	1	1.1v	Active	No	Voice only, all data connections terminate in the		CHW	100%	2,518
35	C-LA	Liberal Arts	0	0.1	Active	No	Floor floods at times	Serves as an office also	CHW	100%	4,391
36	C-LA	Liberal Arts	0	0.2v	Active	No	Voice only		CHW	100%	4,391
37	C-LA	Liberal Arts	1	1.1	Active	No	Blocks in the ceiling	No access, abandon blocks	CHW	100%	4,391
38	C-LA	Liberal Arts	2	2.1	Active	No	Also voice blocks outside rm 205	Recable voice cables and blocks	CHW	100%	4,391
39	C-LLRC	Library and Learning Resource Ce	1	1.1	Active	No	Also called Room 111		CHW	100%	9,008
40	C-LLRC	Library and Learning Resource Ce	2	2.1	Active	No	Also called Room 200a		CHW	100%	9,008
41	C-M	Music	1	1.1d	Active	No	Data MDF	Lots of staorage blocking access	CHW	100%	5,723
42	C-M	Music	1	1.2	Active	No	Voice MDF		CHW	100%	5,723
43	C-MA	Maintenance	1	1.1	Active	No	Also called "Workshop", Fed from receiving buil	Voice only on the wall	CHW	100%	3,796
44	C-ML	Mens Locker	1	1.1	Active	No	Access through pool, the ML building connects t	Fed via copper data cable from boiler house	CHW	100%	4,689
45	C-PAC	Performing Arts Center	1	1.1	Active	No		In main electrical room	CHW	100%	10,970
46	C-PAC	Performing Arts Center	1	1.2d	Active	No	Data only, cabinet	In dressing room area	CHW	100%	10,970
47	C-PS	Physical Science	1	1.1	Active	No	Transformer near equipment		CHW	10%	1,126
48	C-PS	Physical Science	1	1.2d	Active	No	Data only	On the wall in a classroom	CHW	50%	5,629
49	C-PS	Physical Science	1	1.3d	Active	No	Data only	Wall rack in storage room	CHW	40%	4,503
50	C-PS	Physical Science	1	1.4v	Active	No	Voice only		CHW	100%	11,257
51	C-R	Buildings and Grounds / Police	1	1.1v	Active	No	Also called Receiving Building, Voice only		CHW	100%	2,125
52	C-R	Buildings and Grounds / Police	1	1.2	Active	No	In the kitchen	Data MDF	CHW	100%	2,125
53	C-SA	Student Activities	1	1.1	Active	No		Data cabinet in the storage area	CHW	50%	6,813
54	C-SA	Student Activities	1	1.2	Active	No	Voice MDF	Also data cabinet in the janitor area	CHW	50%	6,813
55	C-SA	Student Activities	1	1.3v	Active	No	Voice only, Blocks across from rm 7		CHW	100%	13,626
56	C-SSC	Student Services Center	1	1.1	Active	No	Also called 115c		CHW	100%	5,600

	B	C	D	E	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM
1	Unique Bldg ID	Building Name (From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Additional Floor A Served	% of Additional Floor A Served	Additional Square Footage Served Floor A	Additional Floor B Served	% of Additional Floor B Served	Additional Square Footage Served Floor B	Additional Floor C Served	% of Additional Floor C Served	Additional Square Footage Served Floor C	Total Floors Served	Total Square Footage Served	Recabling Jacks Calculation (total ports * 1.5 * 1.10)	The Survey	Survey Done By?	Existing TR Width
2	bldgid	bldgname	floor	198										totflrs	totsqft	recablejck		Doneby	width
3																			
4	B-BWC	Brentwood Center	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	7,124.60	574.20		AS	11.00
5	C-A	Art Building	1	1.1	0	0%	-	0	0%	0	0	0%	-	0.50	5,765.20	56.10		AS	20.00
6	C-A	Art Building	1	1.2	0	0%	-	0	0%	0	0	0%	-	0.50	5,765.20	82.50		AS	20.00
7	C-A	Art Building	1	1.3	0	0%	-	0	0%	0	0	0%	-	0.50	5,765.20	9.90		AS	25.00
8	C-AA	Applied Arts & Administration	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	11,890.20	282.15		AS	7.00
9	C-AA	Applied Arts & Administration	1	1.2	0	0%	-	0	0%	0	0	0%	-	1.00	11,890.20	13.20		AS	8.00
10	C-AA	Applied Arts & Administration	2	2.1	0	0%	-	0	0%	0	0	0%	-	0.50	5,945.10	145.20		AS	5.00
11	C-AA	Applied Arts & Administration	2	2.2	0	0%	-	0	0%	0	0	0%	-	0.50	5,945.10	24.75		AS	8.00
12	C-AA	Applied Arts & Administration	2	2.3	0	0%	-	0	0%	0	0	0%	-	0.50	5,945.10	330.00		AS	12.00
13	C-AT	Automotive Technology	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	10,761.10	138.60		AS	7.00
14	C-B	Biological Science	1	1.1d	0	0%	-	0	0%	0	0	0%	-	1.00	10,063.90	79.20		AS	6.00
15	C-B	Biological Science	1	1.2v	0	0%	-	0	0%	0	0	0%	-	1.00	10,063.90	18.15		AS	8.00
16	C-BH	Boiler House	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	140.00	19.80		AS	8.00
17	C-BPB	Baseball Press Box	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	60.20	1.65		AS	
18	C-C	Custodial Office	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	578.90	26.40		AS	7.00
19	C-CHS	Hazardous Storage	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	350.00	-		AS	
20	C-CON	Football Concession	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	245.00	1.65		AS	
21	C-CS	Chemical Storage	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	2,611.70	-		AS	
22	C-CTC	Computer Technology Center	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	560.00	506.55		AS	8.00
23	C-ELC	Early Learning Center	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	3,989.30	57.75		AS	9.00
24	C-FPB	Football Pressbox	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	336.00	4.95		AS	4.00
25	C-GA	Gym Annex	1	1.1v	0	0%	-	0	0%	0	0	0%	-	0.50	2,989.00	6.60		AS	8.00
26	C-GA	Gym Annex	2	2.1v	0	0%	-	0	0%	0	0	0%	-	0.50	2,989.00	24.75		AS	15.00
27	C-GA	Gym Annex	2	2.2	0	0%	-	0	0%	0	0	0%	-	1.00	5,978.00	39.60		AS	15.00
28	C-GY	Gymnasium	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	12,361.30	4.95		AS	
29	C-H	Humanities Building	1	1.1d	0	0%	-	0	0%	0	0	0%	-	0.33	3,392.00	359.70		AS	15.00
30	C-H	Humanities Building	1	1.2	0	0%	-	0	0%	0	0	0%	-	0.33	3,392.00	26.40		AS	10.00
31	C-H	Humanities Building	1	1.3d	0	0%	-	0	0%	0	0	0%	-	0.33	3,392.00	-		AS	10.00
32	C-H	Humanities Building	1	1.4v	0	0%	-	0	0%	0	0	0%	-	0.50	5,139.40	-		AS	10.00
33	C-H	Humanities Building	1	1.5v	0	0%	-	0	0%	0	0	0%	-	0.50	5,139.40	21.45		AS	5.00
34	C-HS	Health Sciences Building	1	1.1v	0	0%	-	0	0%	0	0	0%	-	1.00	2,517.55	29.70		AS	15.00
35	C-LA	Liberal Arts	0	0.1	0	0%	-	0	0%	0	0	0%	-	1.00	4,391.33	282.15		AS	8.00
36	C-LA	Liberal Arts	0	0.2v	0	0%	-	0	0%	0	0	0%	-	1.00	4,391.33	4.95		AS	25.00
37	C-LA	Liberal Arts	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	4,391.33	-		AS	
38	C-LA	Liberal Arts	2	2.1	0	0%	-	0	0%	0	0	0%	-	1.00	4,391.33	46.20		AS	12.00
39	C-LLRC	Library and Learning Resource Cer	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	9,008.30	372.90		AS	9.00
40	C-LLRC	Library and Learning Resource Cer	2	2.1	0	0%	-	0	0%	0	0	0%	-	1.00	9,008.30	108.90		AS	7.00
41	C-M	Music	1	1.1d	0	0%	-	0	0%	0	0	0%	-	1.00	5,723.20	41.25		AS	15.00
42	C-M	Music	1	1.2	0	0%	-	0	0%	0	0	0%	-	1.00	5,723.20	8.25		AS	5.00
43	C-MA	Maintenance	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	3,796.10	3.30		AS	25.00
44	C-ML	Mens Locker	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	4,689.30	23.10		AS	5.00
45	C-PAC	Performing Arts Center	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	10,970.40	13.20		AS	15.00
46	C-PAC	Performing Arts Center	1	1.2d	0	0%	-	0	0%	0	0	0%	-	1.00	10,970.40	41.25		AS	6.00
47	C-PS	Physical Science	1	1.1	0	0%	-	0	0%	0	0	0%	-	0.10	1,125.74	155.10		AS	20.00
48	C-PS	Physical Science	1	1.2d	0	0%	-	0	0%	0	0	0%	-	0.50	5,628.70	79.20		AS	25.00
49	C-PS	Physical Science	1	1.3d	0	0%	-	0	0%	0	0	0%	-	0.40	4,502.96	42.90		AS	9.00
50	C-PS	Physical Science	1	1.4v	0	0%	-	0	0%	0	0	0%	-	1.00	11,257.40	6.60		AS	12.00
51	C-R	Buildings and Grounds / Police	1	1.1v	0	0%	-	0	0%	0	0	0%	-	1.00	2,124.50	64.35		AS	8.00
52	C-R	Buildings and Grounds / Police	1	1.2	0	0%	-	0	0%	0	0	0%	-	1.00	2,124.50	79.20		AS	6.00
53	C-SA	Student Activities	1	1.1	0	0%	-	0	0%	0	0	0%	-	0.50	6,813.10	120.45		AS	15.00
54	C-SA	Student Activities	1	1.2	0	0%	-	0	0%	0	0	0%	-	0.50	6,813.10	113.85		AS	5.00
55	C-SA	Student Activities	1	1.3v	0	0%	-	0	0%	0	0	0%	-	1.00	13,626.20	21.45		AS	5.00
56	C-SSC	Student Services Center	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	5,600.00	569.25		AS	12.00

	B	C	D	E	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX
1	Unique Bldg ID	Building Name	Floor	TR ID	Existing TR Length	Existing TR Sq. Ft.	Multifunction? (Sink, Storage, Electrical, etc.)	Can the Multifunction Be Removed?	Cable Distance Problems?	Chemical or Biohazard Area?	Is the TR on a Perimeter Wall?	Security OK?	Is the Space Shared with Other Networking People?	Terminations too High or Low?	TR contains Networking Equipment
2	bldgid	bldgname	floor	198	length	TRsqft	Mulit	Multirem	CabProb	Chem	Peri	Sec	Netppl	term	neteq
3															
4	B-BWC	Brentwood Center	1	1.1	15.00	165.00	No	N/A	No	No	No	Good	No	N/A	Security - - - - - - -
5	C-A	Art Building	1	1.1	20.00	400.00	Classroom	No	No	No	No	Bad	No	N/A	- - - - - - -
6	C-A	Art Building	1	1.2	20.00	400.00	Classroom	No	No	No	No	Bad	No	N/A	- - - - - - -
7	C-A	Art Building	1	1.3	25.00	625.00	Classroom	N/A	No		No	Fair	No	N/A	- - - - - - -
8	C-AA	Applied Arts & Administration	1	1.1	14.00	98.00	No	N/A	No	No	No	Fair	No	N/A	- - - - - - -
9	C-AA	Applied Arts & Administration	1	1.2	4.00	32.00	Storage	N/A	No		No	Fair	No	N/A	- - - - - - -
10	C-AA	Applied Arts & Administration	2	2.1	7.00	35.00	Storage	No	No	No	No	Fair	No	N/A	- - - - - - -
11	C-AA	Applied Arts & Administration	2	2.2	4.00	32.00	Storage	N/A	No		No	Fair	No	N/A	- - - - - - -
12	C-AA	Applied Arts & Administration	2	2.3	15.00	180.00	Storage	N/A	No		No	Good	No	N/A	- - - - - - -
13	C-AT	Automotive Technology	1	1.1	2.00	14.00	Storage	No	No	No	No	Fair	No	N/A	- - - - - - -
14	C-B	Biological Science	1	1.1d	6.00	36.00	Bathroom	No	No	No	No	Bad	No	N/A	- - - - - - -
15	C-B	Biological Science	1	1.2v	12.00	96.00	Storage	N/A	No		No	Fair	No	N/A	- - - - Fire - Other - -
16	C-BH	Boiler House	1	1.1	10.00	80.00	Storage	No	No	No	No	Fair	No	N/A	- - - - - - -
17	C-BPB	Baseball Press Box	0	None											- - - - - - -
18	C-C	Custodial Office	1	1.1	8.00	56.00	Storage	Yes	No	No	No	Department acc	No	N/A	- - - - - - -
19	C-CHS	Hazardous Storage	0	None											- - - - - - -
20	C-CON	Football Concession	0	None											- - - - - - -
21	C-CS	Chemical Storage	0	None											- - - - - - -
22	C-CTC	Computer Technology Center	1	1.1	18.00	144.00	No	N/A	No	No	Yes	Good	No	N/A	- - - - - - -
23	C-ELC	Early Learning Center	1	1.1	14.00	126.00	Electrical	No	No	No	No	Good	No	N/A	Security - - - - - - -
24	C-FPB	Football Pressbox	1	1.1	2.00	8.00	Storage	N/A	No		Yes	Bad	No	N/A	- - - - - - -
25	C-GA	Gym Annex	1	1.1v	12.00	96.00	Electrical	N/A	No	No	No	Fair	No	N/A	- - - - Fire - - -
26	C-GA	Gym Annex	2	2.1v	15.00	225.00	HVAC unit	N/A	No	No	No	Fair	No	N/A	- - - - - - -
27	C-GA	Gym Annex	2	2.2	18.00	270.00	Classroom	No	No	No	No	Fair	No	N/A	- - - - - - -
28	C-GY	Gymnasium	0	None											- - - - - - -
29	C-H	Humanities Building	1	1.1d	15.00	225.00	Office		No		No	Bad	No	N/A	- - - - - - -
30	C-H	Humanities Building	1	1.2	15.00	150.00	Office	No	No	No	No	Bad	No	N/A	- - - - - - -
31	C-H	Humanities Building	1	1.3d	15.00	150.00	Office	No	No	No	No	Fair	No	N/A	- - - - - - -
32	C-H	Humanities Building	1	1.4v	10.00	100.00	Storage	Yes	No		No	Fair	No	N/A	- - - - - - -
33	C-H	Humanities Building	1	1.5v	10.00	50.00	Electrical	No	No		No	Fair	No	N/A	- - - - - - -
34	C-HS	Health Sciences Building	1	1.1v	18.00	270.00	Storage	N/A	No		No	Fair	No	N/A	- - - - - - -
35	C-LA	Liberal Arts	0	0.1	12.00	96.00	Storage	No	No	No	No	Fair	No	N/A	Security - Mechanical - - - Fire - - -
36	C-LA	Liberal Arts	0	0.2v	25.00	625.00	Storage	N/A	No		No	Fair	No	N/A	- - - - - - -
37	C-LA	Liberal Arts	1	1.1											- - - - - - -
38	C-LA	Liberal Arts	2	2.1	15.00	180.00	Classroom	No	No	No	No	Fair	No	N/A	- - - - - - -
39	C-LLRC	Library and Learning Resource Cer	1	1.1	15.00	135.00	No	N/A	No		Yes	Good		N/A	Security - Mechanical - - - - - -
40	C-LLRC	Library and Learning Resource Cer	2	2.1	5.00	35.00	No	N/A	No		No	Fair		N/A	- - - - - - -
41	C-M	Music	1	1.1d	12.00	180.00	Storage	No	No	No	No	Fair	No	N/A	- - - - - - -
42	C-M	Music	1	1.2	7.00	35.00	Storage	N/A	No		No	Fair	No	N/A	- - - - - - -
43	C-MA	Maintenance	1	1.1	35.00	875.00	No	No	No		No	Bad	No	N/A	- - - - - - -
44	C-ML	Mens Locker	1	1.1	7.00	35.00	Storage	No	No	No	No	Bad	No	N/A	- - - - - - -
45	C-PAC	Performing Arts Center	1	1.1	10.00	150.00	Electrical	N/A	No		No	Fair	No	N/A	- - - - - - -
46	C-PAC	Performing Arts Center	1	1.2d	10.00	60.00	Storage	No	No	No	No	Fair	No	N/A	- - - - - - -
47	C-PS	Physical Science	1	1.1	20.00	400.00	Electrical	N/A	No	No	No	Fair	No	N/A	- - - - - - -
48	C-PS	Physical Science	1	1.2d	25.00	625.00	Classroom	No	No	No	No	Bad	No	N/A	- - - - - - -
49	C-PS	Physical Science	1	1.3d	14.00	126.00	Storage	No	No	No	No	Fair	No	N/A	- - - - - - -
50	C-PS	Physical Science	1	1.4v	25.00	300.00	Storage	N/A	No		No	Fair	No	N/A	- - - - - - -
51	C-R	Buildings and Grounds / Police	1	1.1v	10.00	80.00	Office	No	No	No	No	Fair	No	N/A	- - - - - - -
52	C-R	Buildings and Grounds / Police	1	1.2	10.00	60.00	Storage	No	No	No	No	Fair	No	N/A	- - - - - - -
53	C-SA	Student Activities	1	1.1	25.00	375.00	Storage	No	No	No	No	Fair	No	N/A	- - - - - - -
54	C-SA	Student Activities	1	1.2	5.00	25.00	Janitor	No	No	No	No	Fair	No	N/A	- - - - - - -
55	C-SA	Student Activities	1	1.3v	4.00	20.00	Electrical	No	No	No	No	Fair	No	N/A	- - - - - - -
56	C-SSC	Student Services Center	1	1.1	14.00	168.00	No	No	No	No	No	Bad	No	N/A	Security - - - - - - -

	B	C	D	E	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK
1	Unique Bldg ID	Building Name (From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Number of Network Switches Surveyed	Access Door Type	Equipment Door Type	Floor Grade	Batteries in the Room?	Battery Ventilation to Standard?	Electrical or Other Clearance Redo TRs?	Usable TR Width	Usable TR Length	Total Usable TR Sq. Ft.	Cabinets or Racks?	Amount of Spare Rack Space	Racks Bolted to the Floor?
2	bldgid	bldgname	floor	198	numsw	accdoor	eqpdoor	flrgrd	batt	battven	clear	usewid	udelen	usetot	cabrack	rackspr	rackblt
3																	
4	B-BWC	Brentwood Center	1	1.1	1	1 - 3 X 7		Tile	No	N/A		11	15	165	5 - Standing Rack, 7 foot	5	Yes
5	C-A	Art Building	1	1.1	2	1 - 3 X 7		Concrete	No	N/A		3	3	9	1 - Wall Swing Cabinet, 4 foot		No
6	C-A	Art Building	1	1.2	1	1 - 3 X 7		Carpet	No	N/A		1	1	1			N/A
7	C-A	Art Building	1	1.3		1 - 3 X 7		Carpet	No	N/A		3	3	9			
8	C-AA	Applied Arts & Administration	1	1.1	8	1 - 3 X 7		Tile	No	N/A		7	14	98	3 - Standing Rack, 7 foot		Yes
9	C-AA	Applied Arts & Administration	1	1.2		2 - 3 X 7		Carpet	No	N/A		4	4	16			
10	C-AA	Applied Arts & Administration	2	2.1	2	1 - 3 X 7		Tile	No	N/A		5	7	35	1 - Wall Swing Cabinet, 4 foot		No
11	C-AA	Applied Arts & Administration	2	2.2		2 - 3 X 7		Tile	No	N/A		4	4	16			
12	C-AA	Applied Arts & Administration	2	2.3	4	1 - 3 X 7		Tile	No	N/A		3	3	9			
13	C-AT	Automotive Technology	1	1.1	2	2 - 3 X 7		Concrete	No	N/A		7	2	14	1 - Wall Swing Cabinet, 4 foot		No
14	C-B	Biological Science	1	1.1d	1	1 - 3 X 7		Tile	No	N/A		3	3	9	1 - Wall Swing Cabinet, 4 foot		N/A
15	C-B	Biological Science	1	1.2v		1 - 3 X 7		Concrete	No	N/A		4	6	24			
16	C-BH	Boiler House	1	1.1	1	1 - 3 X 7		Concrete	No	N/A		5	5	25	1 - Wall Swing Cabinet, 3 foot		N/A
17	C-BPB	Baseball Press Box	0	None													
18	C-C	Custodial Office	1	1.1	1	1 - 3 X 7		Carpet	No	N/A		3	3	9			N/A
19	C-CHS	Hazardous Storage	0	None													
20	C-CON	Football Concession	0	None													
21	C-CS	Chemical Storage	0	None													
22	C-CTC	Computer Technology Center	1	1.1	6	1 - 3 X 7		Tile	No	N/A		8	18	144	4 - Standing Rack, 7 foot	5	Yes
23	C-ELC	Early Learning Center	1	1.1	1	1 - 3 X 7		Tile	No	N/A		4	7	28			No
24	C-FPB	Football Pressbox	1	1.1		1 - 3 X 7		Wood	No	N/A		1	1	1			
25	C-GA	Gym Annex	1	1.1v		1 - 3 X 7		Concrete	No	N/A		3	3	9			
26	C-GA	Gym Annex	2	2.1v		1 - 3 X 7		Concrete	No	N/A		3	3	9			
27	C-GA	Gym Annex	2	2.2	1	1 - 3 X 7		Carpet	No	N/A		3	3	9	1 - Wall Swing Cabinet, 3 foot		N/A
28	C-GY	Gymnasium	0	None													
29	C-H	Humanities Building	1	1.1d	10		1 - 3 X 7	Carpet	No	N/A		12	9	108	4 - Standing Cabinet, 7 foot	2	No
30	C-H	Humanities Building	1	1.2	1	1 - 3 X 7		Carpet	No	N/A		3	3	9	1 - Wall Swing Cabinet, 2 foot		N/A
31	C-H	Humanities Building	1	1.3d		1 - 3 X 7		Carpet	No	N/A		6	3	18	2 - Open Standing Cabinet, 7 foot		No
32	C-H	Humanities Building	1	1.4v		1 - 3 X 7		Concrete	No	N/A		5	3	15			
33	C-H	Humanities Building	1	1.5v		1 - 3 X 7		Concrete	No	N/A		3	3	9			
34	C-HS	Health Sciences Building	1	1.1v		1 - 3 X 7		Tile	No	N/A		3	3	9			
35	C-LA	Liberal Arts	0	0.1	4	1 - 3 X 7		Concrete	No	N/A		5	7	35	1 - Standing Rack, 5 foot	3	Yes
36	C-LA	Liberal Arts	0	0.2v		1 - 3 X 7		Concrete	No	N/A		3	3	9			
37	C-LA	Liberal Arts	1	1.1													
38	C-LA	Liberal Arts	2	2.1	1	1 - 3 X 7		Carpet	No	N/A		3	3	9			N/A
39	C-LLRC	Library and Learning Resource Cer	1	1.1	5	1 - 3 X 7		Tile	No	N/A		9	15	135	4 - combo racks/cab., 7 foot		Yes
40	C-LLRC	Library and Learning Resource Cer	2	2.1	1	2 - 3 X 7		Concrete	No	N/A		7	5	35	1 - combo racks/cab., 7 foot		Yes
41	C-M	Music	1	1.1d	1	1 - 3 X 7		Tile	No	N/A		3	3	9	1 - Open Standing Cabinet, 6 foot		No
42	C-M	Music	1	1.2		1 - 3 X 7		Concrete	No	N/A		3	3	9			
43	C-MA	Maintenance	1	1.1		1 - 3 X 7		Concrete	No	N/A		3	3	9			
44	C-ML	Mens Locker	1	1.1	1	1 - 3 X 7		Tile	No	N/A		2	2	4			N/A
45	C-PAC	Performing Arts Center	1	1.1		1 - 3 X 7		Concrete	No	N/A		3	3	9			
46	C-PAC	Performing Arts Center	1	1.2d	1	1 - 3 X 7		Tile	No	N/A		3	3	9	1 - Wall Swing Cabinet, 4 foot		N/A
47	C-PS	Physical Science	1	1.1	2	1 - 3 X 7		Tile	No	N/A		6	3	18			
48	C-PS	Physical Science	1	1.2d	2	1 - 3 X 7		Carpet	No	N/A		3	3	9	1 - Wall Swing Cabinet, 2 foot		N/A
49	C-PS	Physical Science	1	1.3d	1	1 - 3 X 7		Concrete	No	N/A		3	3	9	1 - Wall Swing Cabinet, 4 foot		N/A
50	C-PS	Physical Science	1	1.4v		1 - 3 X 7		Concrete	No	N/A		3	3	9			
51	C-R	Buildings and Grounds / Police	1	1.1v	1	1 - 3 X 7		Carpet	No	N/A		3	3	9			N/A
52	C-R	Buildings and Grounds / Police	1	1.2	2	1 - 3 X 7		Carpet	No	N/A		3	3	9			N/A
53	C-SA	Student Activities	1	1.1	5	1 - 3 X 7		Tile	No	N/A		5	5	25	1 - Standing Cabinet, 7 foot		No
54	C-SA	Student Activities	1	1.2	2	1 - 3 X 7		Tile	No	N/A		5	4	20	1 - Wall Swing Cabinet, 4 foot		No
55	C-SA	Student Activities	1	1.3v		1 - 3 X 7		Carpet	No	N/A		4	4	16			
56	C-SSC	Student Services Center	1	1.1	2	1 - 3 X 7		Raised	No	N/A		12	14	168	3 - Standing Rack, 7 foot		Yes

	B	C	D	E	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW
1	Unique Bldg ID	Building Name From file H:\CCCCdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Racks Braced at the Top?	Racks Bonded?	Rack Notes	Lighting OK?	Existing HVAC or Ventilation Type	Is HVAC 24x7?	Room Temperature at Time of Survey	Room Dust Level at Time of Survey	20 AMP Electrical Outlets (Standard)	30 AMP Electrical Outlets (Standard)	20 AMP Electrical Outlets (Dedicated)	30 AMP Electrical Outlets (Dedicated)
2	bldgid	bldgname	floor	198	rackbrc	rackbon	racknote	light	vent	hvac24	rmtemp	rmdust	20astnd	30astnd	20aded	30astnd
3																
4	B-BWC	Brentwood Center	1	1.1	No	No	Need earthquake bracing	No	Building Air	No	Cool	Clean	0		40	
5	C-A	Art Building	1	1.1	No	No		No	None	No	HOT	Dusty	2		0	
6	C-A	Art Building	1	1.2	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	2		0	
7	C-A	Art Building	1	1.3			None	Yes	None	No	Acceptable	Acceptable	0			
8	C-AA	Applied Arts & Administration	1	1.1	Yes	Yes		Yes	Dedicated Air	Yes	Cool	Acceptable			4	1
9	C-AA	Applied Arts & Administration	1	1.2			None	Yes	None	No	Acceptable	Acceptable	2			
10	C-AA	Applied Arts & Administration	2	2.1	No	No		No	Vent only	No	Warm	Dusty	2		2	
11	C-AA	Applied Arts & Administration	2	2.2			None	Yes	None	No	Acceptable	Acceptable	4			
12	C-AA	Applied Arts & Administration	2	2.3			Mounted in ceiling, groundir	No	None	No	Acceptable	Acceptable	4			
13	C-AT	Automotive Technology	1	1.1	No	No		No	Vent only	No	Warm	Dusty	2		0	
14	C-B	Biological Science	1	1.1d	N/A	N/A	Wall mounted	No	None	No	Warm	Clean	0		2	
15	C-B	Biological Science	1	1.2v			None	No	None	No	Warm	Dirty	0			
16	C-BH	Boiler House	1	1.1	N/A	N/A	Wall mounted	No	None	No	Warm	Dirty			2	
17	C-BPB	Baseball Press Box	0	None												
18	C-C	Custodial Office	1	1.1	N/A	N/A	Mounted in the ceiling	No	None	No	Warm	Dusty	2		0	
19	C-CHS	Hazardous Storage	0	None												
20	C-CON	Football Concession	0	None												
21	C-CS	Chemical Storage	0	None												
22	C-CTC	Computer Technology Center	1	1.1	Yes	Yes		Yes	Dedicated Air	Yes	Cool	Clean	0		16	
23	C-ELC	Early Learning Center	1	1.1	No	No	Wall mounted	Yes	Vent only	No	Warm	Acceptable	0		2	
24	C-FPB	Football Pressbox	1	1.1			None	Yes	None	No	Acceptable	Acceptable	0			
25	C-GA	Gym Annex	1	1.1v			None	Yes	None	No	Warm	Acceptable	2			
26	C-GA	Gym Annex	2	2.1v			None	Yes	None	No	Warm	Acceptable	0			
27	C-GA	Gym Annex	2	2.2	N/A	N/A	Wall mounted	No	Building Air	No	Warm	Acceptable			2	
28	C-GY	Gymnasium	0	None												
29	C-H	Humanities Building	1	1.1d	No	No		Yes	controlled exha	No	Warm	Acceptable			8	
30	C-H	Humanities Building	1	1.2	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	2		0	
31	C-H	Humanities Building	1	1.3d	No	N/A		No	None	No	Warm	Dusty	2		0	
32	C-H	Humanities Building	1	1.4v			None	Yes	None	No	Warm	Acceptable	0			
33	C-H	Humanities Building	1	1.5v			None	Yes	None	No	Warm	Acceptable	0			
34	C-HS	Health Sciences Building	1	1.1v			None	Yes	None	No	Acceptable	Acceptable	0			
35	C-LA	Liberal Arts	0	0.1	No	No		No	Vent only	No	Acceptable	Dusty	2		2	
36	C-LA	Liberal Arts	0	0.2v			None	Yes	None	No	Acceptable	Acceptable	0			
37	C-LA	Liberal Arts	1	1.1												
38	C-LA	Liberal Arts	2	2.1	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	2		2	
39	C-LLRC	Library and Learning Resource Ce	1	1.1	Yes	Yes		Yes	Dedicated Air	Yes	Cool	Clean			8	4
40	C-LLRC	Library and Learning Resource Ce	2	2.1	Yes	Yes		Yes	Vent only	Yes	Acceptable	Clean			8	0
41	C-M	Music	1	1.1d	No	No		No	None	No	Warm	Acceptable	2		0	
42	C-M	Music	1	1.2			None	Yes	None	No	Warm	Acceptable	0			
43	C-MA	Maintenance	1	1.1			None	Yes	None	No	Warm	Dusty				
44	C-ML	Mens Locker	1	1.1	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	0		2	
45	C-PAC	Performing Arts Center	1	1.1			None	Yes	None	No	Acceptable	Acceptable	4			
46	C-PAC	Performing Arts Center	1	1.2d	N/A	N/A	Wall mounted	No	None	No	Warm	Acceptable	2		0	
47	C-PS	Physical Science	1	1.1			Wall mounted	Yes	None	No	HOT	Dusty	2		0	
48	C-PS	Physical Science	1	1.2d	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	2			
49	C-PS	Physical Science	1	1.3d	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	2		0	
50	C-PS	Physical Science	1	1.4v			None	Yes	None	No	Acceptable	Acceptable	0			
51	C-R	Buildings and Grounds / Police	1	1.1v	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	2		0	
52	C-R	Buildings and Grounds / Police	1	1.2	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	2		2	
53	C-SA	Student Activities	1	1.1	No	No		Yes	Building Air	No	Warm	Acceptable	2		4	
54	C-SA	Student Activities	1	1.2	No	No		Yes	None	No	Warm	Acceptable	0		4	
55	C-SA	Student Activities	1	1.3v			None	Yes	None	No	Warm	Acceptable	0			
56	C-SSC	Student Services Center	1	1.1	Yes	Yes		Yes	Dedicated Air	Yes	Cool	Clean	0		12	9

	B	C	D	E	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK
1	Unique Bldg ID	Building Name	Floor	TR ID	UPS 1	UPS 2	UPS 3	UPS 4	UPS 5	Width of Used Linear Feet of Wall Space (ft.)	Height of Used Linear Wall Space (ft.)	Total Square Feet of Used Linear Wall Space (sq. ft.)	Width of Available Linear Feet of Wall Space (ft. incl. used)	Height of Available Linear Wall Space (ft. incl. used)	Total Square Feet of Available Linear Wall Space (total sq. ft.)	Grounding in the Room?	Copper Protection in Room?	TELCO MPOE in Room?
2	bldgid	bldgname	floor	198	ups1	ups2	ups3	ups4	ups5	uwallwid	uwallht	uwallsqf	awallwid	awallht	awallsqf	ground	coppro	mpoe
3																		
4	B-BWC	Brentwood Center	1	1.1	2 - apc, 1400 with 6 outlets	1 - apc,				9	4	36	9	5	45	No	No	No
5	C-A	Art Building	1	1.1						3	4	12	3	4	12	No	No	No
6	C-A	Art Building	1	1.2						1	2	2	1	2	2	No	No	No
7	C-A	Art Building	1	1.3						2	3	6	3	3	9	No	No	No
8	C-AA	Applied Arts & Administration	1	1.1	1 - Minuteman, 0 with 6 outlets					5	5	25	7	5	35	Yes	Yes	Yes
9	C-AA	Applied Arts & Administration	1	1.2						2	3	6	3	3	9	No	No	No
10	C-AA	Applied Arts & Administration	2	2.1						3	4	12	3	4	12	Yes	No	No
11	C-AA	Applied Arts & Administration	2	2.2						2	3	6	5	5	25	No	No	No
12	C-AA	Applied Arts & Administration	2	2.3												No	No	No
13	C-AT	Automotive Technology	1	1.1						3	4	12	3	4	12	No	No	No
14	C-B	Biological Science	1	1.1d												No	No	No
15	C-B	Biological Science	1	1.2v						2	3	6	3	3	9	No	No	No
16	C-BH	Boiler House	1	1.1						3	4	12	3	4	12	No	No	No
17	C-BPB	Baseball Press Box	0	None														
18	C-C	Custodial Office	1	1.1						1	1	1	1	1	1	No	No	No
19	C-CHS	Hazardous Storage	0	None														
20	C-CON	Football Concession	0	None														
21	C-CS	Chemical Storage	0	None														
22	C-CTC	Computer Technology Center	1	1.1						3	4	12	8	5	40	Yes	No	No
23	C-ELC	Early Learning Center	1	1.1						3	3	9	3	3	9	No	No	No
24	C-FPB	Football Pressbox	1	1.1						2	3	6	3	3	9	No	No	No
25	C-GA	Gym Annex	1	1.1v						4	3	12	4	5	20	No	No	No
26	C-GA	Gym Annex	2	2.1v						1	1	1	1	2	2	No	No	No
27	C-GA	Gym Annex	2	2.2												No	No	No
28	C-GY	Gymnasium	0	None														
29	C-H	Humanities Building	1	1.1d	1 - apc, 2200 with 6 outlets								5	5	25	No	No	No
30	C-H	Humanities Building	1	1.2												No	No	No
31	C-H	Humanities Building	1	1.3d												No	No	No
32	C-H	Humanities Building	1	1.4v						2	3	6	3	3	9	No	No	No
33	C-H	Humanities Building	1	1.5v						2	3	6	3	3	9	No	No	No
34	C-HS	Health Sciences Building	1	1.1v						2	3	6	3	3	9	No	No	No
35	C-LA	Liberal Arts	0	0.1						6	6	36	6	4	24	Yes	No	No
36	C-LA	Liberal Arts	0	0.2v						2	3	6	3	3	9	No	No	No
37	C-LA	Liberal Arts	1	1.1														
38	C-LA	Liberal Arts	2	2.1						3	4	12	3	4	12	No	No	No
39	C-LLRC	Library and Learning Resource Cer	1	1.1	1 - apc, 1500 with 0 outlets					7	4	28	7	5	35	Yes	Yes	No
40	C-LLRC	Library and Learning Resource Cer	2	2.1									4	5	20	Yes	No	No
41	C-M	Music	1	1.1d												No	No	No
42	C-M	Music	1	1.2						2	3	6	3	3	9	No	No	No
43	C-MA	Maintenance	1	1.1						2	3	6	3	3	9	No	No	No
44	C-ML	Mens Locker	1	1.1						3	3	9	3	3	9	No	No	No
45	C-PAC	Performing Arts Center	1	1.1						2	3	6	3	3	9	No	No	No
46	C-PAC	Performing Arts Center	1	1.2d									5	5	25	No	No	No
47	C-PS	Physical Science	1	1.1						5	5	25	7	5	35	No	No	No
48	C-PS	Physical Science	1	1.2d						3	4	12	3	4	12	No	No	No
49	C-PS	Physical Science	1	1.3d												No	No	No
50	C-PS	Physical Science	1	1.4v						2	3	6	3	3	9	No	No	No
51	C-R	Buildings and Grounds / Police	1	1.1v						3	4	12	3	4	12	No	No	No
52	C-R	Buildings and Grounds / Police	1	1.2						3	4	12	3	4	12	No	No	No
53	C-SA	Student Activities	1	1.1	2 - apc, 1000 with 4 outlets					3	4	12	3	4	12	Yes	No	No
54	C-SA	Student Activities	1	1.2						4	4	16	4	3	12	Yes	No	No
55	C-SA	Student Activities	1	1.3v						2	3	6	3	3	9	No	No	No
56	C-SSC	Student Services Center	1	1.1	1 - apc, 2200 with 6 outlets					6	5	30	9	5	45	Yes	No	No

	B	C	D	E	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU	DV
1	Unique Bldg ID	Building Name From file H:\CCCCdata\217-01-StratP\Survey\CCCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Ceiling Type?	Fire Suppression Type?	Smoke Detector Notes	Fire Rated Wall Boards	Do We Need to Recable Due to Thinnet or Cat 3?	TR Needs HVAC System Installed	Does Electrical Need to be Added to the Room?	FROM PHYSICAL SURVEYS Non-Converged	Non-Converged Required TR Square Footage	Additional Square Footage Required to Meet Non-Converged	Additional TR(s) to be Added Due to Cable Length Problems
2	bldgid	bldgname	floor	198	ceiling	firesup	smoke	firerate	cat3cble	hvacneed	elecneed	1choice	1squreft	1addsqft	1addtr
3															
4	B-BWC	Brentwood Center	1	1.1	Lay-in	None	No	No	No	No	No	None	80	None	
5	C-A	Art Building	1	1.1	Lay-in	None	No	No	No	Yes	Yes	B	30	21	
6	C-A	Art Building	1	1.2	Lay-in	None	No	No	No	No	No	A	30	29	
7	C-A	Art Building	1	1.3	Hard lid	None	No	No	No	No	No	A	24	15	
8	C-AA	Applied Arts & Administration	1	1.1	Hard lid	None	No	No	No	No	No	B	64	None	
9	C-AA	Applied Arts & Administration	1	1.2	Hard lid	None	No	No	No	No	No	A	24	8	
10	C-AA	Applied Arts & Administration	2	2.1	Lay-in	None	No	No	No	No	No	A	48	13	
11	C-AA	Applied Arts & Administration	2	2.2	Hard lid	None	No	No	No	No	No	A	24	8	
12	C-AA	Applied Arts & Administration	2	2.3	Hard lid	None	No	No	No	No	Yes	B	64	55	
13	C-AT	Automotive Technology	1	1.1	Lay-in	None	No	No	No	Duct only	Yes	None	48	34	
14	C-B	Biological Science	1	1.1d	Hard lid	None	No	No	No	Duct only	Yes	B	30	21	
15	C-B	Biological Science	1	1.2v	Open	None	No	No	No	No	No	A	24	None	
16	C-BH	Boiler House	1	1.1	Hard lid	None	No	No	No	No	No	A	24	None	
17	C-BPB	Baseball Press Box	0	None								None			
18	C-C	Custodial Office	1	1.1	Lay-in	None	No	No	No	No	No	A	24	15	
19	C-CHS	Hazardous Storage	0	None								No TR			
20	C-CON	Football Concession	0	None								None			
21	C-CS	Chemical Storage	0	None								No TR			
22	C-CTC	Computer Technology Center	1	1.1	Lay-in	None	No	No	No	No	No	None	80	None	
23	C-ELC	Early Learning Center	1	1.1	Hard lid	None	No	No	No	Duct only	Yes	A	30	2	
24	C-FPB	Football Pressbox	1	1.1	Hard lid	None	No	No	No	No	No	A	24	23	
25	C-GA	Gym Annex	1	1.1v	Hard lid	None	No	No	No	No	No	A	24	15	
26	C-GA	Gym Annex	2	2.1v	Hard lid	None	No	No	No	No	No	A	24	15	
27	C-GA	Gym Annex	2	2.2	Lay-in	None	No	No	No	No	No	A	24	15	
28	C-GY	Gymnasium	0	None								B			
29	C-H	Humanities Building	1	1.1d	Lay-in	None	No	No	No	Yes	Yes	C	64	None	
30	C-H	Humanities Building	1	1.2	Lay-in	None	No	No	No	No	No	B	24	15	
31	C-H	Humanities Building	1	1.3d	Lay-in	None	No	No	No	No	No	B	24	6	
32	C-H	Humanities Building	1	1.4v	Hard lid	None	No	No	No	No	No	A	24	9	
33	C-H	Humanities Building	1	1.5v	Hard lid	None	No	No	No	No	No	A	24	15	
34	C-HS	Health Sciences Building	1	1.1v	Lay-in	None	No	No	No	No	No	A	24	15	
35	C-LA	Liberal Arts	0	0.1	Hard lid	None	No	No	No	No	No	A	64	29	
36	C-LA	Liberal Arts	0	0.2v	Hard lid	None	No	No	No	No	No	A	24	15	
37	C-LA	Liberal Arts	1	1.1								Abandon	24		
38	C-LA	Liberal Arts	2	2.1	Lay-in	None	No	No	Yes	No	No	A	24	15	
39	C-LLRC	Library and Learning Resource Ce	1	1.1	Open	Sprinkler	Yes	No	No	No	No	None	64	None	
40	C-LLRC	Library and Learning Resource Ce	2	2.1	Open	Sprinkler	Yes	No	No	No	No	None	48	13	
41	C-M	Music	1	1.1d	Hard lid	None	No	No	No	Duct only	Yes	B	24	15	
42	C-M	Music	1	1.2	Hard lid	None	No	No	No	No	No	A	24	15	
43	C-MA	Maintenance	1	1.1	Open	None	No	No	No	No	No	None	24	15	
44	C-ML	Mens Locker	1	1.1	Hard lid	None	No	No	No	No	No	A	24	20	
45	C-PAC	Performing Arts Center	1	1.1	Hard lid	None	No	No	No	No	No	A	24	15	
46	C-PAC	Performing Arts Center	1	1.2d	Lay-in	None	No	No	No	Duct only	Yes	A	24	15	
47	C-PS	Physical Science	1	1.1	Hard lid	None	No	No	No	Yes	Yes	B	48	30	
48	C-PS	Physical Science	1	1.2d	Lay-in	None	No	No	No	No	No	A	30	21	
49	C-PS	Physical Science	1	1.3d	Open	None	No	No	No	No	No	A	24	15	
50	C-PS	Physical Science	1	1.4v	Hard lid	None	No	No	No	No	No	None	24	15	
51	C-R	Buildings and Grounds / Police	1	1.1v	Lay-in	None	No	No	No	No	No	A	30	21	
52	C-R	Buildings and Grounds / Police	1	1.2	Lay-in	None	No	No	No	No	No	A	30	21	
53	C-SA	Student Activities	1	1.1	Lay-in	Sprinkler	No	No	No	No	No	B	48	23	
54	C-SA	Student Activities	1	1.2	Hard lid	None	No	No	No	No	No	Abandon	48	28	
55	C-SA	Student Activities	1	1.3v	Hard lid	None	No	No	No	No	No	None	24	8	
56	C-SSC	Student Services Center	1	1.1	Open	None	Yes	No	No	No	No	None	80	None	

	B	C	D	E	DW	DX	DY	DZ	EA	EB
1	Unique Bldg ID From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Building Name	Floor	TR ID	Description of Work Required for Non-Converged	FROM PHYSICAL SURVEYS Converged Solution	Required TR Square Footage of Converged	Additional Square Footage Required to Meet Converged Requirement	Additional TR(s) to Be Added Due to Cable Length Problems	Description of Work Required for Converged
2	bldgid	bldgname	floor	198	1notes	2choice	2squreft	2addsqft	2addtr	2notes
3										
4	B-BWC	Brentwood Center	1	1.1	Good room	A	64	None		Good room, Racks need earthquake bracing, groundin
5	C-A	Art Building	1	1.1	Enclose the room, add standing rack and UPS	B	80	71		Enclose the room, add standing rack and UPS
6	C-A	Art Building	1	1.2	Add enclosed wall cabinet	A	80	79		Add enclosed wall cabinet
7	C-A	Art Building	1	1.3	Small voice only TR, leave as is	Abandon	80	71		Abandon and recable for convergence
8	C-AA	Applied Arts & Administration	1	1.1	Expand toward the front door	B	80	None		Expand toward the front door
9	C-AA	Applied Arts & Administration	1	1.2	Secure TR, firestop	A	80	64		Secure TR, firestop
10	C-AA	Applied Arts & Administration	2	2.1	Enclose the room, add standing rack and UPS	B	80	45		Enclose the room, add standing rack and UPS
11	C-AA	Applied Arts & Administration	2	2.2	Secure TR, firestop	A	80	64		Secure TR, firestop
12	C-AA	Applied Arts & Administration	2	2.3	Must wall mount below ceiling and secure properly	B	80	71		Must wall mount below ceiling and secure properly
13	C-AT	Automotive Technology	1	1.1	Small TR, needs more air for network gear and dedicated electric	None	80	66		Small TR, needs more air for network gear and dedica
14	C-B	Biological Science	1	1.1d	Enclose the room, exit to the hallway	B	80	71		Enclose the room, exit to the hallway
15	C-B	Biological Science	1	1.2v	Voice only, leave as is	Abandon	80	56		Abandon for convergence, use for passthrough only
16	C-BH	Boiler House	1	1.1	Used as fiber passthrough to other buildings, cabinet is ok	A	48	23		Used as fiber passthrough to other buildings, cabinet
17	C-BPB	Baseball Press Box	0	None	Leave the voice. Feed data via wireless from Football press box	None				Leave the voice. Feed data via wireless from Football
18	C-C	Custodial Office	1	1.1	Add enclosed wall cabinet	A	48	39		Add enclosed wall cabinet, add fiber riser
19	C-CHS	Hazardous Storage	0	None	Nothing needed	No TR				Nothing needed
20	C-CON	Football Concession	0	None	Leave the voice. Feed data via wireless from Football press box	None				Leave the voice. Feed data via wireless from Football
21	C-CS	Chemical Storage	0	None	Nothing needed	No TR				Nothing needed
22	C-CTC	Computer Technology Center	1	1.1	Good room	A	48	None		Good room, electrical should be in the rack
23	C-ELC	Early Learning Center	1	1.1	Add wall cabinet for UPS and growth, add HVAC	A	48	20		Add wall cabinet for UPS and growth, add HVAC
24	C-FPB	Football Pressbox	1	1.1	Add data cabinet with fiber to GA	A	48	47		Add data cabinet with fiber to GA
25	C-GA	Gym Annex	1	1.1v	Small voice only TR, leave as is	Abandon	64	55		Abandon and recable for convergence
26	C-GA	Gym Annex	2	2.1v	Small voice only TR, leave as is	Abandon	64	55		Abandon and recable for convergence
27	C-GA	Gym Annex	2	2.2	Add UPS , cabinet fans	A	64	55		Add UPS , cabinet fans
28	C-GY	Gymnasium	0	None	Add a cabinet in a storage area with fiber to women's locker for wirel	B				Add a cabinet in a storage area with fiber to women's
29	C-H	Humanities Building	1	1.1d	Enclose space to create a room, take out carpet, bolt cabinets down	C	80	None		Enclose space to create a room, take out carpet, bolt
30	C-H	Humanities Building	1	1.2	Build out a small cabinet in the room, mount a rack for UPS and grow	B	80	71		Build out a small cabinet in the room, mount a rack for
31	C-H	Humanities Building	1	1.3d	Take over the room. Take out carpet, add UPS	B	80	62		Take over the room. Take out carpet, add UPS
32	C-H	Humanities Building	1	1.4v	Small voice only TR, leave as is	Abandon	80	65		Abandon and recable for convergence, use as passthr
33	C-H	Humanities Building	1	1.5v	Small voice only TR, leave as is	Abandon	80	71		Abandon and recable for convergence, use as passthr
34	C-HS	Health Sciences Building	1	1.1v	Small voice only TR, leave as is	Abandon	48	39		Abandon and recable for convergence
35	C-LA	Liberal Arts	0	0.1	Change rack to 7 foot, secure top	A	48	13		Change rack to 7 foot, secure top
36	C-LA	Liberal Arts	0	0.2v	Small voice only TR, leave as is	Abandon	48	39		Abandon and recable for convergence
37	C-LA	Liberal Arts	1	1.1	Abandon blocks in ceiling	Abandon	48			Abandon blocks in ceiling
38	C-LA	Liberal Arts	2	2.1	OK for small network location, leave as is	A	48	39		Expand enclosure, add vents, add UPS
39	C-LLRC	Library and Learning Resource Cer	1	1.1	Good room	None	64	None		Good room
40	C-LLRC	Library and Learning Resource Cer	2	2.1	Good room for a smaller TR, take out storage	None	64	29		Good room for a smaller TR, take out storage
41	C-M	Music	1	1.1d	Cage in the rack area, move voice here, run the building from here	B	64	55		Cage in the rack area, move voice here, run the buildi
42	C-M	Music	1	1.2	Small voice only TR, leave as is	Abandon	64	55		Abandon and recable for convergence
43	C-MA	Maintenance	1	1.1	Voice only, leave as is, serve data with wireless	None	48	39		Voice only, leave as is, serve data with wireless
44	C-ML	Mens Locker	1	1.1	Install a secure cabinet with fans and UPS for data	A	48	44		Install a secure cabinet with fans and UPS for data
45	C-PAC	Performing Arts Center	1	1.1	Small voice only TR, leave as is	Abandon	80	71		Abandon and recable for convergence
46	C-PAC	Performing Arts Center	1	1.2d	Shallow cabinet, add UPS and riser fiber	B	80	71		Add enclosed wall cabinet
47	C-PS	Physical Science	1	1.1	Enclose the TR, add HVAC, or at least install a cabinet with fans	A	80	62		Enclose the TR, add HVAC
48	C-PS	Physical Science	1	1.2d	Add enclosed wall cabinet	A	80	71		Add enclosed wall cabinet
49	C-PS	Physical Science	1	1.3d	Add enclosed wall cabinet with fans	A	80	71		Add enclosed wall cabinet with fans
50	C-PS	Physical Science	1	1.4v	Small voice only TR, leave as is	Abandon	80	71		Abandon and recable for convergence
51	C-R	Buildings and Grounds / Police	1	1.1v	Add enclosed wall cabinet, add fiber riser	A	48	39		Add enclosed wall cabinet, add fiber riser
52	C-R	Buildings and Grounds / Police	1	1.2	Add enclosed wall cabinet	A	48	39		Add enclosed wall cabinet
53	C-SA	Student Activities	1	1.1	Enclose the room. Cage at least, then move cabinet into the corner	B	80	55		Enclose the room. Cage at least, then move cabinet in
54	C-SA	Student Activities	1	1.2	Abandon due to sink usage. Move everything to bookstore, use as p	Abandon	80	60		Abandon due to sink usage. Move everything to books
55	C-SA	Student Activities	1	1.3v	Voice only, leave as is	Abandon	80	64		Abandon for converged
56	C-SSC	Student Services Center	1	1.1	Good room	None	48	None		Good room

	B	C	D	E	EC	ED	EE	EF	EG	EH	EI	EJ	EK
1	Unique Bldg ID	Building Name (From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	FROM PHYSICAL SURVEY BICSI Methodology	BICSI Required TR Square Footage	Additional Square Footage Required to Meet BICSI Requirement	Additional Number of TR(s) Due to Square Footage	Additional Number of TR(s) Due to Number of Floors	Additional TR(s) to Be Added	Description of Work Required for BICSI Methodology:	Abandon / NonConverged - TR to Rewire to…	Abandon / Converged - TR to Rewire to…
2	bldgid	bldgname	floor	198	3choice	3squreft	3addsqft	3addtr	3addflr	3addnum	3notes	1aband	2aband
3													
4	B-BWC	Brentwood Center	1	1.1	A	90	None				Good room, Racks need earthquake bracing, grounding		
5	C-A	Art Building	1	1.1	B	80	71				Enclose the room, add standing rack and UPS		
6	C-A	Art Building	1	1.2	A	80	79				Enclose the room, add standing rack and UPS		
7	C-A	Art Building	1	1.3	Abandon	80	71				Abandon and recable for convergence		C-A-1.2
8	C-AA	Applied Arts & Administration	1	1.1	C	80	None				Expand room for growth		
9	C-AA	Applied Arts & Administration	1	1.2	A	80	64				Secure TR, firestop		
10	C-AA	Applied Arts & Administration	2	2.1	B	80	45				Enclose the room, add standing rack and UPS		
11	C-AA	Applied Arts & Administration	2	2.2	A	80	64				Secure TR, firestop		
12	C-AA	Applied Arts & Administration	2	2.3	B	80	71				Must wall mount below ceiling and secure properly		
13	C-AT	Automotive Technology	1	1.1	C	80	66				Small TR, needs more air for network gear and dedicated electric		
14	C-B	Biological Science	1	1.1d	B	80	71				Enclose the room, exit to the hallway		
15	C-B	Biological Science	1	1.2v	Abandon	80	56				Abandon for convergence, use for passthrough only		C-B-1.1d
16	C-BH	Boiler House	1	1.1	A	80	55				Used as fiber passthrough to other buildings, cabinet is ok		
17	C-BPB	Baseball Press Box	0	None	None						Leave the voice. Feed data via wireless from Football press box		
18	C-C	Custodial Office	1	1.1	A	80	71				Enclose the room, add standing rack and UPS, add fiber riser		
19	C-CHS	Hazardous Storage	0	None	No TR						Nothing needed		
20	C-CON	Football Concession	0	None	None						Leave the voice. Feed data via wireless from Football press box		
21	C-CS	Chemical Storage	0	None	No TR						Nothing needed		
22	C-CTC	Computer Technology Center	1	1.1	A	80	None				Good room, electrical should be in the rack		
23	C-ELC	Early Learning Center	1	1.1	A	80	52				Add wall cabinet for UPS and growth, add HVAC		
24	C-FPB	Football Pressbox	1	1.1	A	80	79				Add data cabinet with fiber to GA		
25	C-GA	Gym Annex	1	1.1v	Abandon	90	81				Abandon and recable for convergence		C-GA-2.2
26	C-GA	Gym Annex	2	2.1v	Abandon	90	81				Abandon and recable for convergence		C-GA-2.2
27	C-GA	Gym Annex	2	2.2	B	90	81				Enclose the room, add standing rack and UPS		
28	C-GY	Gymnasium	0	None	B						Add a cabinet in a storage area with fiber to women's locker for wire		
29	C-H	Humanities Building	1	1.1d	C	80	None				Enclose space to create a room, take out carpet, bolt cabinets dow		
30	C-H	Humanities Building	1	1.2	B	80	71				Build out a small cabinet in the room, mount a rack for UPS and gro		
31	C-H	Humanities Building	1	1.3d	B	80	62				Take over the room. Take out carpet, add UPS		
32	C-H	Humanities Building	1	1.4v	Abandon	80	65				Abandon and recable for convergence, use as passthrough only		C-H-1.1d
33	C-H	Humanities Building	1	1.5v	Abandon	80	71				Abandon and recable for convergence, use as passthrough only		C-H-1.1d
34	C-HS	Health Sciences Building	1	1.1v	Abandon	80	71				Abandon and recable for convergence		C-LA-0.1
35	C-LA	Liberal Arts	0	0.1	A	80	45				Change rack to 7 foot, secure top		
36	C-LA	Liberal Arts	0	0.2v	Abandon	80	71				Abandon and recable for convergence		C-LA-0.1
37	C-LA	Liberal Arts	1	1.1	Abandon	80					Abandon blocks in ceiling	C-LA-2.1	C-LA-2.1
38	C-LA	Liberal Arts	2	2.1	A	80	71				Expand enclosure, add vents, add UPS		
39	C-LLRC	Library and Learning Resource Cer	1	1.1	None	110	None				Good room		
40	C-LLRC	Library and Learning Resource Cer	2	2.1	None	110	75				Good room for a smaller TR, take out storage		
41	C-M	Music	1	1.1d	B	90	81				Cage in the rack area, move voice here, run the building from here		
42	C-M	Music	1	1.2	Abandon	90	81				Abandon and recable for convergence		C-M-1.1d
43	C-MA	Maintenance	1	1.1	None	80	71				Voice only, leave as is, serve data with wireless		
44	C-ML	Mens Locker	1	1.1	B	80	76				Enclose the room, add standing rack and UPS		
45	C-PAC	Performing Arts Center	1	1.1	Abandon	80	71				Abandon and recable for convergence		C-PAC-1.2d
46	C-PAC	Performing Arts Center	1	1.2d	C	80	71				Enclose the room, add standing rack and UPS		
47	C-PS	Physical Science	1	1.1	A	80	62				Enclose the TR, add HVAC		
48	C-PS	Physical Science	1	1.2d	B	80	71				Enclose the room, add standing rack and UPS		
49	C-PS	Physical Science	1	1.3d	B	80	71				Enclose the room, add standing rack and UPS		
50	C-PS	Physical Science	1	1.4v	Abandon	80	71				Abandon and recable for convergence		C-PS-1.3d
51	C-R	Buildings and Grounds / Police	1	1.1v	B	80	71				Enclose the room, add standing rack and UPS, add fiber riser		
52	C-R	Buildings and Grounds / Police	1	1.2	B	80	71				Enclose the room, add standing rack and UPS		
53	C-SA	Student Activities	1	1.1	B	80	55				Enclose the room. Cage at least, then move cabinet into the corner		
54	C-SA	Student Activities	1	1.2	Abandon	80	60				Abandon due to sink usage. Move everything to bookstore, use as	C-SA-1.1	C-SA-1.1
55	C-SA	Student Activities	1	1.3v	Abandon	80	64				Abandon for converged		C-SA-1.1
56	C-SSC	Student Services Center	1	1.1	None	80	None				Good room		

	B	C	D	E	EL	EM	EN
1	Unique Bldg ID	Building Name From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Abandon / BICSI - TR to Rewire to…	Remove Storage?	Survey Date
2	bldgid	bldgname	floor	198	3aband	remstor	survdate
3							
4	B-BWC	Brentwood Center	1	1.1		No	07/31/08
5	C-A	Art Building	1	1.1		No	07/30/08
6	C-A	Art Building	1	1.2		No	07/30/08
7	C-A	Art Building	1	1.3	C-A-1.2	No	07/30/08
8	C-AA	Applied Arts & Administration	1	1.1		No	07/30/08
9	C-AA	Applied Arts & Administration	1	1.2		No	07/30/08
10	C-AA	Applied Arts & Administration	2	2.1		No	07/30/08
11	C-AA	Applied Arts & Administration	2	2.2		No	07/30/08
12	C-AA	Applied Arts & Administration	2	2.3		No	07/30/08
13	C-AT	Automotive Technology	1	1.1		No	07/30/08
14	C-B	Biological Science	1	1.1d		No	07/30/08
15	C-B	Biological Science	1	1.2v	C-B-1.1d	No	07/30/08
16	C-BH	Boiler House	1	1.1		No	07/31/08
17	C-BPB	Baseball Press Box	0	None			07/31/08
18	C-C	Custodial Office	1	1.1		No	07/30/08
19	C-CHS	Hazardous Storage	0	None			07/31/08
20	C-CON	Football Concession	0	None			07/31/08
21	C-CS	Chemical Storage	0	None			07/31/08
22	C-CTC	Computer Technology Center	1	1.1		No	07/30/08
23	C-ELC	Early Learning Center	1	1.1		No	07/30/08
24	C-FPB	Football Pressbox	1	1.1		No	07/31/08
25	C-GA	Gym Annex	1	1.1v	C-GA-2.2	No	07/31/08
26	C-GA	Gym Annex	2	2.1v	C-GA-2.2	No	07/31/08
27	C-GA	Gym Annex	2	2.2		No	07/31/08
28	C-GY	Gymnasium	0	None			07/31/08
29	C-H	Humanities Building	1	1.1d		No	07/30/08
30	C-H	Humanities Building	1	1.2		No	07/30/08
31	C-H	Humanities Building	1	1.3d		No	07/30/08
32	C-H	Humanities Building	1	1.4v	C-H-1.1d	No	07/30/08
33	C-H	Humanities Building	1	1.5v	C-H-1.1d	No	07/30/08
34	C-HS	Health Sciences Building	1	1.1v	C-LA-0.1	No	07/30/08
35	C-LA	Liberal Arts	0	0.1		No	07/30/08
36	C-LA	Liberal Arts	0	0.2v	C-LA-0.1	No	07/30/08
37	C-LA	Liberal Arts	1	1.1	C-LA-2.1		07/30/08
38	C-LA	Liberal Arts	2	2.1		No	07/30/08
39	C-LLRC	Library and Learning Resource Ce	1	1.1		No	07/30/08
40	C-LLRC	Library and Learning Resource Ce	2	2.1		Yes	07/30/08
41	C-M	Music	1	1.1d		No	07/30/08
42	C-M	Music	1	1.2	C-M-1.1d	No	07/30/08
43	C-MA	Maintenance	1	1.1		No	07/30/08
44	C-ML	Mens Locker	1	1.1		No	07/31/08
45	C-PAC	Performing Arts Center	1	1.1	C-PAC-1.2d	No	07/31/08
46	C-PAC	Performing Arts Center	1	1.2d		No	07/31/08
47	C-PS	Physical Science	1	1.1		Yes	07/30/08
48	C-PS	Physical Science	1	1.2d		No	07/30/08
49	C-PS	Physical Science	1	1.3d		No	07/30/08
50	C-PS	Physical Science	1	1.4v	C-PS-1.3d	No	07/30/08
51	C-R	Buildings and Grounds / Police	1	1.1v		No	07/30/08
52	C-R	Buildings and Grounds / Police	1	1.2		No	07/30/08
53	C-SA	Student Activities	1	1.1		No	07/30/08
54	C-SA	Student Activities	1	1.2	C-SA-1.1	No	07/30/08
55	C-SA	Student Activities	1	1.3v	C-SA-1.1	No	07/30/08
56	C-SSC	Student Services Center	1	1.1		No	07/30/08

	B	C	D	E	EO	EP	EQ	ER	ES	ET	EU	EV	EW	EX	EY	EZ	FA	FB
1	Unique Bldg ID	Building Name	Floor	TR ID	Photo Number	Photo Note	Remove Janitor?	Building Serviced by Generator?	OSP MM Fiber Stands Installed	OSP MM Fiber Stands Used	OSP MM Fiber Stands Available	ISP MM Fiber Strands Installed	ISP MM Fiber Strands Used	ISP MM Fiber Strands Available	OSP Single Mode Strands Installed	OSP Single Mode Strands Used	OSP Single Mode Strands Available	ISP Single Mode Strands Installed
2	bldgid	bldgname	floor	198	photo	phonote	remjan	genrtr	ospmmi	ospmmu	ospmma	ispmmi	ispmmu	ispmma	ospsmi	ospsmu	ospsma	ispsmi
3																		
4	B-BWC	Brentwood Center	1	1.1	File 2 pix 13 thru 14		No	No	0	0	0	0	0	0	0	0	0	0
5	C-A	Art Building	1	1.1	File 1 pix 54		No	No	0	0	0	0	0	0	0	0	0	0
6	C-A	Art Building	1	1.2	File 1 pix 56		No	No	0	0	0	0	0	0	0	0	0	0
7	C-A	Art Building	1	1.3	File 1 pix 55		No	No	0	0	0	0	0	0	0	0	0	0
8	C-AA	Applied Arts & Administration	1	1.1	File 1 pix 2 thru 6		No	No	6	2	4	0	0	0	0	0	0	0
9	C-AA	Applied Arts & Administration	1	1.2	File 1 pix 1		No	No	0	0	0	0	0	0	0	0	0	0
10	C-AA	Applied Arts & Administration	2	2.1	File 1 pix 7 thru 9		No	No	0	0	0	0	0	0	0	0	0	0
11	C-AA	Applied Arts & Administration	2	2.2	File 1 pix 10		No	No	0	0	0	0	0	0	0	0	0	0
12	C-AA	Applied Arts & Administration	2	2.3	File 1 pix 11 thru 12		No	No	0	0	0	0	0	0	0	0	0	0
13	C-AT	Automotive Technology	1	1.1	File 1 pix 52		No	No	0	0	0	0	0	0	0	0	0	0
14	C-B	Biological Science	1	1.1d	File 1 pix 60		No	No	6	2	4	0	0	0	0	0	0	0
15	C-B	Biological Science	1	1.2v	File 1 pix 61 thru 62		No	No	0	0	0	0	0	0	0	0	0	0
16	C-BH	Boiler House	1	1.1	File 2 pix 1 thru 2		No	No	12	2	10	0	0	0	12	0	12	0
17	C-BPB	Baseball Press Box	0	None	File 2 pix 0	None			0	0	0	0	0	0	0	0	0	0
18	C-C	Custodial Office	1	1.1	File 1 pix 15 thru 16		No	No	6	2	4	0	0	0	0	0	0	0
19	C-CHS	Hazardous Storage	0	None	File 2 pix 0	None			0	0	0	0	0	0	0	0	0	0
20	C-CON	Football Concession	0	None	File 2 pix 0	None			0	0	0	0	0	0	0	0	0	0
21	C-CS	Chemical Storage	0	None	File 2 pix 0	None			0	0	0	0	0	0	0	0	0	0
22	C-CTC	Computer Technology Center	1	1.1	File 1 pix 48 thru 51		No	No	0	0	0	0	0	0	0	0	0	0
23	C-ELC	Early Learning Center	1	1.1	File 1 pix 53		No	No	0	0	0	0	0	0	0	0	0	0
24	C-FPB	Football Pressbox	1	1.1	File 2 pix 10		No	No	0	0	0	0	0	0	0	0	0	0
25	C-GA	Gym Annex	1	1.1v	File 2 pix 5		No	No	0	0	0	0	0	0	0	0	0	0
26	C-GA	Gym Annex	2	2.1v	File 2 pix 6		No	No	0	0	0	0	0	0	0	0	0	0
27	C-GA	Gym Annex	2	2.2	File 2 pix 7		No	No	0	0	0	6	2	4	0	0	0	6
28	C-GY	Gymnasium	0	None	File 2 pix 0	None			0	0	0	0	0	0	0	0	0	0
29	C-H	Humanities Building	1	1.1d	File 1 pix 30 thru 32		No	No	0	0	0	0	0	0	0	0	0	0
30	C-H	Humanities Building	1	1.2	File 1 pix 36		No	No	0	0	0	0	0	0	0	0	0	0
31	C-H	Humanities Building	1	1.3d	File 1 pix 37 thru 39		No	No	0	0	0	0	0	0	0	0	0	0
32	C-H	Humanities Building	1	1.4v	File 1 pix 35		No	No	0	0	0	0	0	0	0	0	0	0
33	C-H	Humanities Building	1	1.5v	File 1 pix 33 thru 34		No	No	0	0	0	0	0	0	0	0	0	0
34	C-HS	Health Sciences Building	1	1.1v	File 1 pix 27		No	No	0	0	0	0	0	0	0	0	0	0
35	C-LA	Liberal Arts	0	0.1	File 1 pix 25 thru 26		No	No	6	2	4	0	0	0	0	0	0	0
36	C-LA	Liberal Arts	0	0.2v	File 1 pix 24		No	No	0	0	0	0	0	0	0	0	0	0
37	C-LA	Liberal Arts	1	1.1	File 1 pix 0	None			0	0	0	0	0	0	0	0	0	0
38	C-LA	Liberal Arts	2	2.1	File 1 pix 28 thru 29		No	No	12	2	10	0	0	0	12	0	12	0
39	C-LLRC	Library and Learning Resource Cer	1	1.1	File 1 pix 18 thru 21	Good TR	No	No	12	2	10	0	0	0	12	0	12	0
40	C-LLRC	Library and Learning Resource Cer	2	2.1	File 1 pix 22 thru 23		No	No	0	0	0	12	2	10	0	0	0	0
41	C-M	Music	1	1.1d	File 1 pix 58 thru 59		No	No	6	2	4	0	0	0	0	0	0	0
42	C-M	Music	1	1.2	File 1 pix 57		No	No	0	0	0	0	0	0	0	0	0	0
43	C-MA	Maintenance	1	1.1	File 1 pix 17		No	No	0	0	0	0	0	0	0	0	0	0
44	C-ML	Mens Locker	1	1.1	File 2 pix 3 thru 4		No	No	0	0	0	0	0	0	0	0	0	0
45	C-PAC	Performing Arts Center	1	1.1	File 2 pix 11		No	No	12	2	10	0	0	0	12	0	12	0
46	C-PAC	Performing Arts Center	1	1.2d	File 2 pix 12		No	No	0	0	0	0	0	0	0	0	0	0
47	C-PS	Physical Science	1	1.1	File 1 pix 65 thru 66		No	No	6	4	2	0	0	0	0	0	0	0
48	C-PS	Physical Science	1	1.2d	File 1 pix 63 thru 64		No	No	0	0	0	6	2	4	0	0	0	0
49	C-PS	Physical Science	1	1.3d	File 1 pix 69 thru 70		No	No	0	0	0	0	0	0	0	0	0	0
50	C-PS	Physical Science	1	1.4v	File 1 pix 67 thru 68		No	No	0	0	0	0	0	0	0	0	0	0
51	C-R	Buildings and Grounds / Police	1	1.1v	File 1 pix 14		No	No	0	0	0	0	0	0	0	0	0	0
52	C-R	Buildings and Grounds / Police	1	1.2	File 1 pix 13		No	No	12	2	10	0	0	0	12	0	12	0
53	C-SA	Student Activities	1	1.1	File 1 pix 40 thru 41		No	No	6	2	4	0	0	0	0	0	0	0
54	C-SA	Student Activities	1	1.2	File 1 pix 42 thru 43		No	No	6	2	4	0	0	0	0	0	0	0
55	C-SA	Student Activities	1	1.3v	File 1 pix 44		No	No	0	0	0	0	0	0	0	0	0	0
56	C-SSC	Student Services Center	1	1.1	File 1 pix 45 thru 47		No	No	12	2	10	0	0	0	12	0	12	0

	B	C	D	E	FC	FD	FE	FF	FG	FH	FI	FJ	FK	FL	FM	FN	FO	FP
1	Unique Bldg ID	Building Name From file H:\CCCCData\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	ISP Single Mode Strands Used	ISP Single Mode Strands Available	Voice Copper Riser Count	Voice Copper Riser Pairs Used	Voice Copper Riser % Spare	Network Ports Available (surveyed)	Network Ports Used (surveyed)	Network Ports % Spare (surveyed)	Building OSP Copper Count	Building OSP Copper Pairs Used	Building OSP Copper % Spare	Add Riser Conduit Because Existing Is Full?	CATV Trunk Cable? Where Is It Located?	CATV Rg6 Cable? Where Is It Located?
2	bldgid	bldgname	floor	198	ispsmu	ispsma	ispcopi	ispcopu	ispcopa	netptsa	netptsu	netptss	ospcopa	ospcopu	ospcops	addris	catvtrk	catvrg6
3																		
4	B-BWC	Brentwood Center	1	1.1	0	0	0	0		288	100	65%	0	0		No	No	No
5	C-A	Art Building	1	1.1	0	0	0	0		24	20	17%	50	12	76%	Yes	No	No
6	C-A	Art Building	1	1.2	0	0	0	0		48	26	46%	0	0		Yes	No	No
7	C-A	Art Building	1	1.3	0	0	25	6	76%	0	0		0	0		Yes	No	No
8	C-AA	Applied Arts & Administration	1	1.1	0	0	0	0		180	126	30%	300	100	67%	Yes	No	No
9	C-AA	Applied Arts & Administration	1	1.2	0	0	50	25	50%	0	0		0	0		Yes	No	No
10	C-AA	Applied Arts & Administration	2	2.1	0	0	150	40	73%	48	20	58%	0	0		Yes	No	No
11	C-AA	Applied Arts & Administration	2	2.2	0	0	50	35	30%	0	0		0	0		Yes	No	No
12	C-AA	Applied Arts & Administration	2	2.3	0	0	0	0		192	160	17%	0	0		Yes	No	No
13	C-AT	Automotive Technology	1	1.1	0	0	50	28	44%	96	40	58%	0	0		No	No	No
14	C-B	Biological Science	1	1.1d	0	0	0	0		48	30	38%	0	0		No	No	No
15	C-B	Biological Science	1	1.2v	0	0	0	0		0	0		25	15	40%	No	No	No
16	C-BH	Boiler House	1	1.1	0	0	0	0		8	2	75%	100	40	60%	No	No	No
17	C-BPB	Baseball Press Box	0	None	0	0	0	0		0	0		0	0				
18	C-C	Custodial Office	1	1.1	0	0	0	0		8	3	63%	0	0		No	No	No
19	C-CHS	Hazardous Storage	0	None	0	0	0	0		0	0		0	0				
20	C-CON	Football Concession	0	None	0	0	0	0		0	0		0	0				
21	C-CS	Chemical Storage	0	None	0	0	0	0		0	0		0	0				
22	C-CTC	Computer Technology Center	1	1.1	0	0	0	0		288	240	17%	50	48	4%	No	No	No
23	C-ELC	Early Learning Center	1	1.1	0	0	0	0		24	17	29%	50	28	44%	No	No	No
24	C-FPB	Football Pressbox	1	1.1	0	0	0	0		0	0		12	8	33%	No	No	No
25	C-GA	Gym Annex	1	1.1v	0	0	0	0		0	0		50	12	76%	No	No	No
26	C-GA	Gym Annex	2	2.1v	0	0	25	17	32%	0	0		0	0		No	No	No
27	C-GA	Gym Annex	2	2.2	0	0	6	0		24	20	17%	0	0		No	No	No
28	C-GY	Gymnasium	0	None	0	0	0	0		0	0		0	0				
29	C-H	Humanities Building	1	1.1d	0	0	0	0		216	0	100%	0	0		Yes	No	No
30	C-H	Humanities Building	1	1.2	0	0	0	0		24	16	33%	0	0		Yes	No	No
31	C-H	Humanities Building	1	1.3d	0	0	0	0		0	0		0	0		Yes	No	No
32	C-H	Humanities Building	1	1.4v	0	0	0	0		0	0		100	60	40%	Yes	No	No
33	C-H	Humanities Building	1	1.5v	0	0	0	0		0	0		100	60	40%	Yes	No	No
34	C-HS	Health Sciences Building	1	1.1v	0	0	50	17	66%	0	0		0	0		No	No	No
35	C-LA	Liberal Arts	0	0.1	0	0	0	0		72	50	31%	300	100	67%	Yes	No	No
36	C-LA	Liberal Arts	0	0.2v	0	0	50	3	94%	0	0		0	0		Yes	No	No
37	C-LA	Liberal Arts	1	1.1	0	0	0	0		0	0		0	0		Yes		
38	C-LA	Liberal Arts	2	2.1	0	0	0	0		24	4	83%	0	0		Yes	No	No
39	C-LLRC	Library and Learning Resource Ce	1	1.1	0	0	0	0		216	196	9%	100	45	55%	No	No	No
40	C-LLRC	Library and Learning Resource Ce	2	2.1	0	0	200	15	93%	48	32	33%	0	0		No	No	No
41	C-M	Music	1	1.1d	0	0	0	0		24	12	50%	0	0		No	No	No
42	C-M	Music	1	1.2	0	0	0	0		0	0		25	20	20%	No	No	No
43	C-MA	Maintenance	1	1.1	0	0	0	0		0	0		6	4	33%	No	No	No
44	C-ML	Mens Locker	1	1.1	0	0	0	0		12	4	67%	75	55	27%	No	No	No
45	C-PAC	Performing Arts Center	1	1.1	0	0	0	0		0	0		50	25	50%	No	No	No
46	C-PAC	Performing Arts Center	1	1.2d	0	0	0	0		24	6	75%	0	0		No	No	No
47	C-PS	Physical Science	1	1.1	0	0	0	0		36	30	17%	100	30	70%	Yes	No	No
48	C-PS	Physical Science	1	1.2d	0	0	0	0		48	25	48%	0	0		Yes	No	No
49	C-PS	Physical Science	1	1.3d	0	0	0	0		24	19	21%	0	0		Yes	No	No
50	C-PS	Physical Science	1	1.4v	0	0	0	0		0	0		100	20	80%	Yes	No	No
51	C-R	Buildings and Grounds / Police	1	1.1v	0	0	0	0		24	5	79%	0	0		No	No	No
52	C-R	Buildings and Grounds / Police	1	1.2	0	0	0	0		48	25	48%	0	0		No	No	No
53	C-SA	Student Activities	1	1.1	0	0	0	0		72	45	38%	0	0		No	No	No
54	C-SA	Student Activities	1	1.2	0	0	0	0		48	30	38%	0	0		No	No	No
55	C-SA	Student Activities	1	1.3v	0	0	200	25	88%	0	0		0	0		No	No	No
56	C-SSC	Student Services Center	1	1.1	0	0	0	0		264	158	40%	200	110	45%	No	No	No

	B	C	D	E	FQ	FR	FS	FT	FU	FV	FW	FX	FY	FZ	GA
1	Unique Bldg ID	Building Name *From file H:\CCCCData\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR*	Floor	TR ID	Wireless Access Equipment in TR Such as In-line Power Equip.	Fire / Life Safety Equip. in the TR?	Security & Alarm Systems in the TR?	Energy Management Systems (SCADA) in the TR?	Campus Card Access Systems?	Fire, Police, or Health Safety Systems in the TR?	EOC Network Equipment in the TR?	C.P.E. Network Equipment?	Old Broadband Cable in the Room	Notes About the TR Urgency	Are Conduits Fire Stopped?
2	bldgid	bldgname	floor	198	wireacc	firelife	secalarm	ems	ccas	fphs	eocnet	cpenet	oldbroad	trurgnte	confires
3															
4	B-BWC	Brentwood Center	1	1.1											No
5	C-A	Art Building	1	1.1											No
6	C-A	Art Building	1	1.2											No
7	C-A	Art Building	1	1.3											No
8	C-AA	Applied Arts & Administration	1	1.1											No
9	C-AA	Applied Arts & Administration	1	1.2											No
10	C-AA	Applied Arts & Administration	2	2.1											No
11	C-AA	Applied Arts & Administration	2	2.2											No
12	C-AA	Applied Arts & Administration	2	2.3										ly grounded, fire hazard above ce	No
13	C-AT	Automotive Technology	1	1.1											No
14	C-B	Biological Science	1	1.1d											No
15	C-B	Biological Science	1	1.2v									e antenna rep		No
16	C-BH	Boiler House	1	1.1											No
17	C-BPB	Baseball Press Box	0	None											
18	C-C	Custodial Office	1	1.1										Fire hazard in the ceiling	No
19	C-CHS	Hazardous Storage	0	None											
20	C-CON	Football Concession	0	None											
21	C-CS	Chemical Storage	0	None											
22	C-CTC	Computer Technology Center	1	1.1											No
23	C-ELC	Early Learning Center	1	1.1			Altronix								No
24	C-FPB	Football Pressbox	1	1.1											No
25	C-GA	Gym Annex	1	1.1v											No
26	C-GA	Gym Annex	2	2.1v											No
27	C-GA	Gym Annex	2	2.2											No
28	C-GY	Gymnasium	0	None											
29	C-H	Humanities Building	1	1.1d											No
30	C-H	Humanities Building	1	1.2											No
31	C-H	Humanities Building	1	1.3d											No
32	C-H	Humanities Building	1	1.4v											No
33	C-H	Humanities Building	1	1.5v											No
34	C-HS	Health Sciences Building	1	1.1v											No
35	C-LA	Liberal Arts	0	0.1											No
36	C-LA	Liberal Arts	0	0.2v											No
37	C-LA	Liberal Arts	1	1.1											No
38	C-LA	Liberal Arts	2	2.1											No
39	C-LLRC	Library and Learning Resource Ce	1	1.1			Schlage	Andover							Yes
40	C-LLRC	Library and Learning Resource Ce	2	2.1											No
41	C-M	Music	1	1.1d											No
42	C-M	Music	1	1.2											No
43	C-MA	Maintenance	1	1.1											No
44	C-ML	Mens Locker	1	1.1											No
45	C-PAC	Performing Arts Center	1	1.1											No
46	C-PAC	Performing Arts Center	1	1.2d											No
47	C-PS	Physical Science	1	1.1											No
48	C-PS	Physical Science	1	1.2d											No
49	C-PS	Physical Science	1	1.3d											No
50	C-PS	Physical Science	1	1.4v											No
51	C-R	Buildings and Grounds / Police	1	1.1v											No
52	C-R	Buildings and Grounds / Police	1	1.2											No
53	C-SA	Student Activities	1	1.1											No
54	C-SA	Student Activities	1	1.2											No
55	C-SA	Student Activities	1	1.3v											No
56	C-SSC	Student Services Center	1	1.1											Yes

	B	C	D	E	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
1	Unique Bldg ID	Building Name	Floor	TR ID	Category of TR Urgency	Difficulty of Horizontal Cabling (Easy, Medium, or Hard)	Cat 5 for Data (Yes/No)	Number of Cat 5 Cables	Number of Cat 5 Used	Retermination of Good Data Cable is needed	% of Cable That Is Cat 5E or Better	Expected Year for Infrastructure Work	DRAWING PROBLEMS	Time Stamp
		From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR												
2	bldgid	bldgname	floor	198	trurg	cblediff	cat5d	numcat5a	numcat5u	reterm	perocat5	expctyr	drwprobs	time
3														
4	B-BWC	Brentwood Center	1	1.1		Easy				No	100%			11:41 AM
5	C-A	Art Building	1	1.1		Easy				Yes	100%			2:31 PM
6	C-A	Art Building	1	1.2		Easy				Yes	0%			2:40 PM
7	C-A	Art Building	1	1.3		Easy				Yes	0%			2:36 PM
8	C-AA	Applied Arts & Administration	1	1.1		Easy				Yes	100%			9:17 AM
9	C-AA	Applied Arts & Administration	1	1.2		Easy				Yes	0%			8:53 AM
10	C-AA	Applied Arts & Administration	2	2.1		Easy				Yes	100%			9:30 AM
11	C-AA	Applied Arts & Administration	2	2.2		Easy				Yes	0%			9:35 AM
12	C-AA	Applied Arts & Administration	2	2.3	Code Violation	Easy				Yes	100%			9:44 AM
13	C-AT	Automotive Technology	1	1.1		Easy				Yes	100%			2:10 PM
14	C-B	Biological Science	1	1.1d		Medium				Yes	100%			3:02 PM
15	C-B	Biological Science	1	1.2v		Easy				Yes	0%			3:08 PM
16	C-BH	Boiler House	1	1.1		Easy				Yes	100%			8:42 AM
17	C-BPB	Baseball Press Box	0	None		Easy				Yes	0%			9:58 AM
18	C-C	Custodial Office	1	1.1	Code Violation	Easy				Yes	100%			10:09 AM
19	C-CHS	Hazardous Storage	0	None		Easy				Yes	0%			10:02 AM
20	C-CON	Football Concession	0	None		Easy				Yes	0%			9:58 AM
21	C-CS	Chemical Storage	0	None		Easy				Yes	0%			10:01 AM
22	C-CTC	Computer Technology Center	1	1.1		Easy				No	100%			2:03 PM
23	C-ELC	Early Learning Center	1	1.1		Easy				Yes	100%			2:23 PM
24	C-FPB	Football Pressbox	1	1.1		Easy				Yes	100%			9:54 AM
25	C-GA	Gym Annex	1	1.1v		Easy				Yes	0%			9:11 AM
26	C-GA	Gym Annex	2	2.1v		Easy				Yes	0%			9:15 AM
27	C-GA	Gym Annex	2	2.2		Easy				Yes	100%			9:29 AM
28	C-GY	Gymnasium	0	None		Easy				Yes	0%			9:51 AM
29	C-H	Humanities Building	1	1.1d		Easy				Yes	100%			11:31 AM
30	C-H	Humanities Building	1	1.2		Easy				Yes	0%			11:46 AM
31	C-H	Humanities Building	1	1.3d		Easy				Yes	0%			11:50 AM
32	C-H	Humanities Building	1	1.4v		Easy				Yes	0%			11:42 AM
33	C-H	Humanities Building	1	1.5v		Easy				Yes	0%			11:38 AM
34	C-HS	Health Sciences Building	1	1.1v		Easy				Yes	0%			11:04 AM
35	C-LA	Liberal Arts	0	0.1		Easy				Yes	100%			10:57 AM
36	C-LA	Liberal Arts	0	0.2v		Easy				Yes	0%			10:46 AM
37	C-LA	Liberal Arts	1	1.1		Easy				Yes	0%			11:07 AM
38	C-LA	Liberal Arts	2	2.1		Easy				Yes	50%			11:15 AM
39	C-LLRC	Library and Learning Resource Cer	1	1.1		Easy				No	100%			10:31 AM
40	C-LLRC	Library and Learning Resource Cer	2	2.1		Easy				No	100%			10:39 AM
41	C-M	Music	1	1.1d		Hard				No	100%			2:52 PM
42	C-M	Music	1	1.2		Easy				Yes	0%			2:46 PM
43	C-MA	Maintenance	1	1.1		Easy				Yes	0%			10:17 AM
44	C-ML	Mens Locker	1	1.1		Easy				Yes	100%			8:59 AM
45	C-PAC	Performing Arts Center	1	1.1		Easy				Yes	0%			10:10 AM
46	C-PAC	Performing Arts Center	1	1.2d		Hard				Yes	100%			10:16 AM
47	C-PS	Physical Science	1	1.1		Easy				Yes	100%			3:23 PM
48	C-PS	Physical Science	1	1.2d		Easy				Yes	100%			3:16 PM
49	C-PS	Physical Science	1	1.3d		Medium				Yes	100%			3:33 PM
50	C-PS	Physical Science	1	1.4v		Easy				Yes	0%			3:28 PM
51	C-R	Buildings and Grounds / Police	1	1.1v		Easy				Yes	100%			10:01 AM
52	C-R	Buildings and Grounds / Police	1	1.2		Easy				Yes	100%			9:57 AM
53	C-SA	Student Activities	1	1.1		Easy				Yes	100%			1:15 PM
54	C-SA	Student Activities	1	1.2		Easy				No	100%			1:26 PM
55	C-SA	Student Activities	1	1.3v		Easy				Yes	0%			1:33 PM
56	C-SSC	Student Services Center	1	1.1		Easy				No	100%			1:51 PM

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Unique Bldg ID	Building Name	Floor	TR ID	Consolidated TR ID	Voice Only, Data Only, V/D, V/PassiveD	Gross Sq. Ft. for the Building	Client TR Room No.	Number of Floors in the Building	Street Address	Gross Sq. Ft. for the Floor	Assignable Sq. Ft. for the Floor	OSP Copper	Riser Copper	Riser MM Fiber	Riser SM Fiber
57	C-WL	Womens Locker	1	1.1	C-WL-1.1	V/D	2859	8	1	2600 Mission Bell D	2859	2001	6	0	0	0
58	D-A	Art Building	1	1.1	D-A-1.1	Data Only	20057	A104	4	321 Golf Club Road	5014	3510	0	0	0	0
59	D-A	Art Building	2	2.1	D-A-2.1	V/D	20057	A204	4	321 Golf Club Road	5014	3510	50	0	0	0
60	D-A	Art Building	3	3.1d	D-A-3.1d	Data Only	20057	A303a	4	321 Golf Club Road	5014	3510	0	0	0	0
61	D-A	Art Building	4	4.1v	D-A-4.1v	Voice Only	20057	A401	4	322 Golf Club Road	5014	3510	0	25	0	0
62	D-AB	Administration Building	1	1.1v	D-AB-1.1v	Voice Only	11955	AB120	2	322 Golf Club Road	5978	4184	100	0	0	0
63	D-AB	Administration Building	2	2.1	D-AB-2.1	V/D	11955	AB228	2	321 Golf Club Road	5978	4184	0	0	0	0
64	D-AB	Administration Building	2	2.2d	D-AB-2.2d	Data Only	11955	AB216	2	321 Golf Club Road	5978	4184	0	0	6	0
65	D-AB	Administration Building	2	2.3	D-AB-2.3	V/D	11955	AB200	2	321 Golf Club Road	5978	4184	0	100	6	0
66	D-ATC	Advanced Technology Center	1	1.1	D-ATC-1.1	V/D	13514	ATC111	1	321 Golf Club Road	13514	9460	50	0	0	0
67	D-BC	Book Center	2	2.1	D-BC-2.1	V/D	25665	Server Room	3	321 Golf Club Road	8555	5989	100	0	0	0
68	D-BFL	Business/Foreign Language	1	1.1	D-BFL-1.1	V/D	25212	BFL101f	2	321 Golf Club Road	12606	8824	200	0	0	0
69	D-C	Counseling	1	1.1d	D-C-1.1d	Data Only	3953	C138	1	321 Golf Club Road	3953	2767	0	0	0	0
70	D-C	Counseling	1	1.2v	D-C-1.2v	Voice Only	3953	C139	1	322 Golf Club Road	3953	2767	0	200	0	0
71	D-CCC	Community Conference Center	0	None	D-CCC-None	Other	800		1	321 Golf Club Road	800	560	0	0	0	0
72	D-DS	District Storage Building	0	None	D-DS-None	Other	8449		1	321 Golf Club Road	8449	5914	0	0	0	0
73	D-ET	Engineering Technology Center (N	1	1.1	D-ET-1.1	V/D	27386	ET115a	1	321 Golf Club Road	27386	19170	100	0	0	0
74	D-ET	Engineering Technology Center (S	1	1.2v	D-ET-1.2v	Voice Only	27386	ET110	1	321 Golf Club Road	27386	19170	100	0	0	0
75	D-ET	Engineering Technology Center (S	1	1.3v	D-ET-1.3v	Voice Only	27386	ET126	1	321 Golf Club Road	27386	19170	100	0	0	0
76	D-ET	Engineering Technology Center (N	1	1.4d	D-ET-1.4d	Data Only	27386	ET116c	1	321 Golf Club Road	27386	19170	0	0	0	0
77	D-ET	Engineering Technology Center (S	1	1.5d	D-ET-1.5d	Data Only	27386	ET103	1	322 Golf Club Road	27386	19170	0	0	0	0
78	D-ET	Engineering Technology Center (S	1	1.6d	D-ET-1.6d	Data Only	27386	ET107	1	323 Golf Club Road	27386	19170	0	0	0	0
79	D-ET	Engineering Technology Center (S	1	1.7d	D-ET-1.7d	Data Only	27386	ET123a	1	324 Golf Club Road	27386	19170	0	0	0	0
80	D-ET	Engineering Technology Center (S	1	1.8d	D-ET-1.8d	Data Only	27386	ET128	1	325 Golf Club Road	27386	19170	0	0	6	0
81	D-FA	Family Life Education Annex	1	1.1v	D-FA-1.1v	Voice Only	3653	FA105	1	321 Golf Club Road	3653	2557	50	0	0	0
82	D-FL	Family Life Education	1	1.1	D-FL-1.1	V/D	2496	FL102	2	321 Golf Club Road	1248	874	100	0	0	0
83	D-FO	Faculty Offices	1	1.1	D-FO-1.1	V/D	11790	FO140	2	321 Golf Club Road	5895	4127	200	0	12	0
84	D-FO	Faculty Offices	1	1.2	D-FO-1.2	V/D	11790	FO131	2	321 Golf Club Road	5895	4127	100	0	6	0
85	D-FO	Faculty Offices	2	2.1v	D-FO-2.1v	Voice Only	11790	FO230	2	321 Golf Club Road	5895	4127	0	100	0	0
86	D-FO	Faculty Offices	2	2.2v	D-FO-2.2v	Voice Only	11790	FO242	2	321 Golf Club Road	5895	4127	100	0	0	0
87	D-GY	Gymnasium	1	1.1d	D-GY-1.1d	Data Only	10000		1	321 Golf Club Road	10000	7000	0	0	0	0
88	D-GY	Gymnasium Boiler	1	1.2v	D-GY-1.2v	Voice Only	200	GY2	1	321 Golf Club Road	200	140	100	0	0	0
89	D-H	Humanities	1	1.1v	D-H-1.1v	Voice Only	10548	North Hallway	1	321 Golf Club Road	10548	7384	50	0	0	0
90	D-H	Humanities	1	1.2d	D-H-1.2d	Data Only	10548	H109	1	321 Golf Club Road	10548	7384	12	0	0	0
91	D-HR	Hotel / Restaurant Management	1	1.1d	D-HR-1.1d	Other	1954	Storage Room	2	321 Golf Club Road	977	684	0	0	0	0
92	D-L	Library	1	1.1d	D-L-1.1d	Data Only	55294	L150b	3	321 Golf Club Road	18431	12902	0	0	0	0
93	D-L	Library	1	1.2v	D-L-1.2v	Voice Only	55294	L(AV Storage)	3	321 Golf Club Road	18431	12902	100	0	0	0
94	D-L	Library	1	1.3d	D-L-1.3d	Data Only	55294	Data testing room	3	321 Golf Club Road	18431	12902	0	0	6	0
95	D-L	Library	2	2.1v	D-L-2.1v	Voice Only	55294	L(Janitor Closet)	3	321 Golf Club Road	18431	12902	0	25	0	0
96	D-L	Library	2	2.2	D-L-2.2	V/D	55294	L241	3	321 Golf Club Road	18431	12902	50	0	12	0
97	D-L	Library	2	2.3	D-L-2.3	V/D	55294	L204	3	321 Golf Club Road	18431	12902	0	50	6	0
98	D-L	Library	3	3.1	D-L-3.1	V/D	55294	L302	3	321 Golf Club Road	18431	12902	0	0	12	0
99	D-LA	Liberal Arts	1	1.1v	D-LA-1.1v	Voice Only	15958	LA127	2	321 Golf Club Road	7979	5585	100	0	0	0
100	D-LC	Learning Center	1	1.1v	D-LC-1.1v	Voice Only	13095		2	321 Golf Club Road	6548	4583	0	50	0	0
101	D-LC	Learning Center	2	2.1	D-LC-2.1	Data Only	13095	LC204a	2	321 Golf Club Road	6548	4583	0	0	0	0
102	D-LC	Learning Center	2	2.2d	D-LC-2.2d	Data Only	13095	LC200a	2	321 Golf Club Road	6548	4583	0	0	0	0
103	D-LC	Learning Center	2	2.3d	D-LC-2.3d	Data Only	13095	LC200a	2	321 Golf Club Road	6548	4583	0	0	0	0
104	D-LHS	Life/Health Sciences	1	1.1	D-LHS-1.1	V/D	25665	LHS119a	2	321 Golf Club Road	12833	8983	25	0	0	0
105	D-M	Music	1	1.1	D-M-1.1	V/D	8143	M103a	2	321 Golf Club Road	4072	2850	50	0	0	0
106	D-M	Music	1	1.2d	D-M-1.2d	Data Only	8143	M140	2	321 Golf Club Road	4072	2850	0	0	0	0
107	D-MA	Math	1	1.1	D-MA-1.1	V/D	13824	MA102	2	321 Golf Club Road	6912	4838	75	0	0	0
108	D-ML	Mens Locker	1	1.1d	D-ML-1.1d	Data Only	11600	ML122	1	321 Golf Club Road	11600	8120	0	0	0	0
109	D-OA	Offices Annex	1	1.1d	D-OA-1.1d	Data Only	1754		1	321 Golf Club Road	1754	1228	0	0	0	0
110	D-OH	Ornamental Horticulture	0	None	D-OH-None	Other	1440		1	321 Golf Club Road	1440	1008	0	0	0	0
111	D-PA	Performing Arts	1	1.1	D-PA-1.1	V/D	22778	PAC8	3	321 Golf Club Road	7593	5315	50	0	0	0

	B	C	D	E	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1	Unique Bldg ID	Building Name From file H:\CCCCdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	OSP MM Fiber	OSP SM Fiber	Total Existing Analog Ports (from survey)	Total Existing Multiline Telephones (from survey)	10 Base-T Hub Ports (from survey)	10/100 Base-T Switch Ports (from survey)	1 Gig Switch Ports (from survey)	Total Capacity Analog Ports	Total Capacity Multiline Telephones	Total Capacity 10 Base-T Hub Ports	Total Capacity 10/100 Base-T Switch Ports	Total Capacity 1 Gig Switch Ports
57	C-WL	Womens Locker	1	1.1	12	0	0	1	0	0	1	0	1	0	0	2
58	D-A	Art Building	1	1.1	6	0	0	0	0	0	24	0	0	0	0	38
59	D-A	Art Building	2	2.1	6	6	6	28	0	0	24	6	29	0	0	38
60	D-A	Art Building	3	3.1d	0	0	0	0	0	0	49	0	0	0	0	77
61	D-A	Art Building	4	4.1v	0	0	3	10	0	0	0	3	11	0	0	0
62	D-AB	Administration Building	1	1.1v	0	0	2	11	0	0	0	2	12	0	0	0
63	D-AB	Administration Building	2	2.1	0	0	11	52	0	0	73	12	55	0	0	115
64	D-AB	Administration Building	2	2.2d	0	0	0	0	0	0	49	0	0	0	0	77
65	D-AB	Administration Building	2	2.3	0	0	5	42	0	0	49	5	44	0	0	77
66	D-ATC	Advanced Technology Center	1	1.1	12	12	6	24	0	0	388	6	25	0	0	461
67	D-BC	Book Center	2	2.1	12	12	3	42	0	0	436	3	44	0	0	518
68	D-BFL	Business/Foreign Language	1	1.1	12	12	18	52	0	0	388	19	55	0	0	461
69	D-C	Counseling	1	1.1d	6	6	0	0	0	0	125	0	0	0	0	240
70	D-C	Counseling	1	1.2v	0	0	6	51	0	0	0	6	54	0	0	0
71	D-CCC	Community Conference Center	0	None	0	0	0	0	0	0	0	0	0	0	0	0
72	D-DS	District Storage Building	0	None	0	0	0	0	0	0	0	0	0	0	0	0
73	D-ET	Engineering Technology Center (N	1	1.1	12	12	6	22	0	0	49	6	23	0	0	77
74	D-ET	Engineering Technology Center (S	1	1.2v	0	0	3	7	0	0	0	3	7	0	0	0
75	D-ET	Engineering Technology Center (S	1	1.3v	0	0	7	27	0	0	0	7	28	0	0	0
76	D-ET	Engineering Technology Center (N	1	1.4d	0	0	0	0	0	0	73	0	0	0	0	115
77	D-ET	Engineering Technology Center (S	1	1.5d	0	0	0	0	0	0	65	0	0	0	0	102
78	D-ET	Engineering Technology Center (S	1	1.6d	0	0	0	0	0	0	98	0	0	0	0	154
79	D-ET	Engineering Technology Center (S	1	1.7d	0	0	0	0	0	0	41	0	0	0	0	64
80	D-ET	Engineering Technology Center (S	1	1.8d	0	0	0	0	0	0	49	0	0	0	0	77
81	D-FA	Family Life Education Annex	1	1.1v	0	0	2	4	0	0	0	2	4	0	0	0
82	D-FL	Family Life Education	1	1.1	6	6	2	12	0	0	12	2	13	0	0	19
83	D-FO	Faculty Offices	1	1.1	0	0	7	54	0	0	195	7	57	0	0	307
84	D-FO	Faculty Offices	1	1.2	0	0	6	55	0	0	98	6	58	0	0	154
85	D-FO	Faculty Offices	2	2.1v	0	0	5	18	0	0	0	5	19	0	0	0
86	D-FO	Faculty Offices	2	2.2v	0	0	7	54	0	0	0	7	57	0	0	0
87	D-GY	Gymnasium	1	1.1d	6	6	0	0	0	0	8	0	0	0	0	10
88	D-GY	Gymnasium Boiler	1	1.2v	0	0	7	14	0	0	0	7	15	0	0	0
89	D-H	Humanities	1	1.1v	0	0	7	48	0	0	0	7	50	0	0	0
90	D-H	Humanities	1	1.2d	0	0	0	0	0	0	57	0	0	0	0	90
91	D-HR	Hotel / Restaurant Management	1	1.1d	0	0	0	0	0	0	0	0	0	0	0	0
92	D-L	Library	1	1.1d	0	0	0	0	0	0	441	0	0	0	0	848
93	D-L	Library	1	1.2v	0	0	3	9	0	0	0	3	9	0	0	0
94	D-L	Library	1	1.3d	0	0	0	0	0	0	58	0	0	0	0	112
95	D-L	Library	2	2.1v	0	0	2	7	0	0	0	2	7	0	0	0
96	D-L	Library	2	2.2	0	0	4	5	0	0	150	4	5	0	0	288
97	D-L	Library	2	2.3	0	0	7	28	0	0	175	7	29	0	0	336
98	D-L	Library	3	3.1	0	0	8	45	0	0	25	8	47	0	0	48
99	D-LA	Liberal Arts	1	1.1v	0	0	6	46	0	0	0	6	48	0	0	0
100	D-LC	Learning Center	1	1.1v	0	0	3	27	0	0	0	3	28	0	0	0
101	D-LC	Learning Center	2	2.1	6	6	0	0	0	0	48	0	0	0	0	76
102	D-LC	Learning Center	2	2.2d	0	0	0	0	0	0	73	0	0	0	0	115
103	D-LC	Learning Center	2	2.3d	0	0	0	0	0	0	73	0	0	0	0	115
104	D-LHS	Life/Health Sciences	1	1.1	12	12	7	38	0	0	430	7	40	0	0	511
105	D-M	Music	1	1.1	6	6	3	29	0	0	49	3	30	0	0	77
106	D-M	Music	1	1.2d	0	6	0	0	0	0	71	0	0	0	0	112
107	D-MA	Math	1	1.1	12	12	8	57	0	0	73	8	60	0	0	86
108	D-ML	Mens Locker	1	1.1d	6	6	0	0	0	0	32	0	0	0	0	38
109	D-OA	Offices Annex	1	1.1d	6	6	0	0	0	0	24	0	0	0	0	38
110	D-OH	Ornamental Horticulture	0	None	0	0	0	0	0	0	0	0	0	0	0	0
111	D-PA	Performing Arts	1	1.1	6	6	6	34	0	0	24	6	36	0	0	29

	B	C	D	E	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ
1	Unique Bldg ID	Building Name From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Voice Growth Type (Low, Medium, or High)	Data Growth Type (Low, Medium, or High)	Assumed # of racks housing 192 ports without VoIP (Just data Ports)	Assumed # of racks housing 192 ports with VoIP (VoIP & data Ports)	Voice Node Location	Data Node Location	Sizing Calcs	Total Existing Ports in the TR	Total Ports at Capacity in the TR	This TR Capacity Falls into this Sizing Category	Expert Review	TR Type 1 = MDF 2 = IDF 3 = Voice Only 4 = Node	1 = Voice 2 = Data 3 = Both 4 = V/Passive Data 5 = Unknown	Demo or Remodel Planned? 1 = Yes 2 = No
57	C-WL	Womens Locker	1	1.1	L	M	1	1	C-AA-1.1	C-H-1.1d		2	3	Small		MDF	V & D	No
58	D-A	Art Building	1	1.1	L	M	1	1	D-AB-2.1	D-L-1.1d		24	38	Small		IDF	Data	No
59	D-A	Art Building	2	2.1	L	M	1	1	D-AB-2.1	D-L-1.1d		58	73	Medium		MDF	V & D	No
60	D-A	Art Building	3	3.1d	L	M	1	1	D-AB-2.1	D-L-1.1d		49	77	Medium		IDF	Data	No
61	D-A	Art Building	4	4.1v	L	M	0	1	D-AB-2.1	D-L-1.1d		13	14	Small		IDF	Voice	No
62	D-AB	Administration Building	1	1.1v	L	M	0	1	D-AB-2.1	D-L-1.1d		13	14	Small		MDF	Voice	No
63	D-AB	Administration Building	2	2.1	L	M	1	1	D-AB-2.1	D-L-1.1d		136	182	Medium		Node	V & D	No
64	D-AB	Administration Building	2	2.2d	L	M	1	1	D-AB-2.1	D-L-1.1d		49	77	Medium		IDF	Data	No
65	D-AB	Administration Building	2	2.3	L	M	1	1	D-AB-2.1	D-L-1.1d		96	126	Medium		IDF	V & D	No
66	D-ATC	Advanced Technology Center	1	1.1	L	L	3	3	D-AB-2.1	D-L-1.1d		418	492	Large		MDF	V & D	No
67	D-BC	Book Center	2	2.1	L	L	3	3	D-AB-2.1	D-L-1.1d		481	565	Large		MDF	V & D	No
68	D-BFL	Business/Foreign Language	1	1.1	L	L	3	3	D-BFL-1.1	D-L-1.1d		458	535	Large		MDF	V & D	No
69	D-C	Counseling	1	1.1d	L	H	2	2	D-AB-2.1	D-L-1.1d		125	240	Medium		MDF	Data	No
70	D-C	Counseling	1	1.2v	L	H	0	1	D-AB-2.1	D-L-1.1d		57	60	Medium		IDF	Voice	No
71	D-CCC	Community Conference Center	0	None	L	L	0	0	D-BFL-1.1	D-L-1.1d		0	0	BLANK		MDF	V & D	No
72	D-DS	District Storage Building	0	None	L	L	0	0	D-AB-2.1	D-L-1.1d		0	0	BLANK		MDF	V & D	No
73	D-ET	Engineering Technology Center (N	1	1.1	L	M	1	1	D-AB-2.1	D-L-1.1d		77	106	Medium		MDF	V & D	No
74	D-ET	Engineering Technology Center (S	1	1.2v	L	M	0	1	D-AB-2.1	D-L-1.1d		10	10	Small		IDF	Voice	No
75	D-ET	Engineering Technology Center (S	1	1.3v	L	M	0	1	D-AB-2.1	D-L-1.1d		34	35	Small		IDF	Data	No
76	D-ET	Engineering Technology Center (N	1	1.4d	L	M	1	1	D-AB-2.1	D-L-1.1d		73	115	Medium		IDF	Data	No
77	D-ET	Engineering Technology Center (S	1	1.5d	L	M	1	1	D-AB-2.1	D-L-1.1d		65	102	Medium		IDF	Data	No
78	D-ET	Engineering Technology Center (S	1	1.6d	L	M	1	1	D-AB-2.1	D-L-1.1d		98	154	Medium		IDF	Data	No
79	D-ET	Engineering Technology Center (S	1	1.7d	L	M	1	1	D-AB-2.1	D-L-1.1d		41	64	Small		IDF	Data	No
80	D-ET	Engineering Technology Center (S	1	1.8d	L	M	1	1	D-AB-2.1	D-L-1.1d		49	77	Medium		IDF	Data	No
81	D-FA	Family Life Education Annex	1	1.1v	L	M	0	1	D-AB-2.1	D-L-1.1d		6	6	Small		MDF	Voice	No
82	D-FL	Family Life Education	1	1.1	L	M	1	1	D-AB-2.1	D-L-1.1d		26	34	Small		MDF	V & D	No
83	D-FO	Faculty Offices	1	1.1	L	M	2	2	D-AB-2.1	D-L-1.1d		256	371	Large		MDF	V & D	No
84	D-FO	Faculty Offices	1	1.2	L	M	1	2	D-AB-2.1	D-L-1.1d		159	218	Medium		IDF	V & D	No
85	D-FO	Faculty Offices	2	2.1v	L	M	0	1	D-AB-2.1	D-L-1.1d		23	24	Small		IDF	Voice	No
86	D-FO	Faculty Offices	2	2.2v	L	M	0	1	D-AB-2.1	D-L-1.1d		61	64	Medium		IDF	Voice	No
87	D-GY	Gymnasium	1	1.1d	L	L	1	1	D-AB-2.1	D-L-1.1d		8	10	Small		MDF	V & D	No
88	D-GY	Gymnasium Boiler	1	1.2v	L	L	0	1	D-AB-2.1	D-L-1.1d		21	22	Small		MDF	V & D	No
89	D-H	Humanities	1	1.1v	L	M	0	1	D-AB-2.1	D-L-1.1d		55	57	Medium		MDF	Voice	No
90	D-H	Humanities	1	1.2d	L	M	1	1	D-AB-2.1	D-L-1.1d		57	90	Medium		MDF	Data	No
91	D-HR	Hotel / Restaurant Management	1	1.1d	L	L	0	0	D-AB-2.1	D-L-1.1d		0	0	BLANK		MDF	V & D	No
92	D-L	Library	1	1.1d	L	H	5	5	D-L-3.1	D-L-1.1d		441	848	Large		MDF	Data	No
93	D-L	Library	1	1.2v	L	H	0	1	D-L-3.1	D-L-1.1d		12	12	Small		IDF	Voice	No
94	D-L	Library	1	1.3d	L	H	1	1	D-L-3.1	D-L-1.1d		58	112	Medium		MDF	Data	No
95	D-L	Library	2	2.1v	L	H	0	1	D-L-3.1	D-L-1.1d		9	9	Small		IDF	Voice	No
96	D-L	Library	2	2.2	L	H	2	2	D-L-3.1	D-L-1.1d		159	297	Medium		IDF	V & D	No
97	D-L	Library	2	2.3	L	H	2	2	D-L-3.1	D-L-1.1d		210	372	Large		IDF	V & D	No
98	D-L	Library	3	3.1	L	H	1	1	D-L-3.1	D-L-1.1d		78	103	Medium		IDF	V & D	No
99	D-LA	Liberal Arts	1	1.1v	L	M	0	1	D-AB-2.1	D-L-1.1d		52	54	Medium		MDF	Voice	No
100	D-LC	Learning Center	1	1.1v	L	M	0	1	D-AB-2.1	D-L-1.1d		30	31	Small		IDF	Voice	No
101	D-LC	Learning Center	2	2.1	L	M	1	1	D-AB-2.1	D-L-1.1d		48	76	Small		MDF	Data	No
102	D-LC	Learning Center	2	2.2d	L	M	1	1	D-AB-2.1	D-L-1.1d		73	115	Medium		IDF	Data	No
103	D-LC	Learning Center	2	2.3d	L	M	1	1	D-AB-2.1	D-L-1.1d		73	115	Medium		IDF	Data	No
104	D-LHS	Life/Health Sciences	1	1.1	L	L	3	3	D-LHS-1.1	D-L-1.1d		475	558	Large		MDF	V & D	No
105	D-M	Music	1	1.1	L	M	1	1	D-AB-2.1	D-L-1.1d		81	110	Medium		MDF	V & D	No
106	D-M	Music	1	1.2d	L	M	1	1	D-AB-2.1	D-L-1.1d		71	112	Medium		IDF	Data	No
107	D-MA	Math	1	1.1	L	L	1	1	D-AB-2.1	D-L-1.1d		138	154	Medium		MDF	V & D	No
108	D-ML	Mens Locker	1	1.1d	L	L	1	1	D-AB-2.1	D-L-1.1d		32	38	Small		MDF	V & D	No
109	D-OA	Offices Annex	1	1.1d	L	M	1	1	D-AB-2.1	D-L-1.1d		24	38	Small		MDF	Data	No
110	D-OH	Ornamental Horticulture	0	None	L	L	0	0	D-AB-2.1	D-L-1.1d		0	0	BLANK		MDF	V & D	No
111	D-PA	Performing Arts	1	1.1	L	L	1	1	D-AB-2.1	D-L-1.1d		64	71	Medium		MDF	V & D	No

	B	C	D	E	AR	AS	AT	AU	AV	AW	AX
1	Unique Bldg ID	Building Name (From file H:\CCCCdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Is the Building 1 = Active 2 = Inactive 3 = Razed	Building is on the National Register Historic List (Listed, Potential, No)	Notes from Technicians and Engineers	Access Comments from the Engineers and Survey Personnel	Building Has Campus Chilled Water Y / N = CHW or No CHW	Service Area for this TR (% of square footage) on the TR Floor	Square Footage Served on the TR Floor Based on % of Service Area
57	C-WL	Womens Locker	1	1.1	Active	No	The WL building connects to the Old Boiler Buil	Very small wall box in boiler room	CHW	100%	2,001
58	D-A	Art Building	1	1.1	Active	No			CHW	33%	1,158
59	D-A	Art Building	2	2.1	Active	No			CHW	33%	1,158
60	D-A	Art Building	3	3.1d	Active	No	Data only	Data for the classroom only	CHW	33%	1,158
61	D-A	Art Building	4	4.1v	Active	No	Voice only	Wall can only	CHW	100%	3,510
62	D-AB	Administration Building	1	1.1v	Active	No	Voice only		CHW	100%	4,184
63	D-AB	Administration Building	2	2.1	Active	No	Houses Mitel system for most the campus		CHW	10%	418
64	D-AB	Administration Building	2	2.2d	Active	No	Data only		CHW	50%	2,092
65	D-AB	Administration Building	2	2.3	Active	No			CHW	50%	2,092
66	D-ATC	Advanced Technology Center	1	1.1	Active	No			CHW	100%	9,460
67	D-BC	Book Center	2	2.1	Active	No	Server room no number		CHW	100%	5,989
68	D-BFL	Business/Foreign Language	1	1.1	Active	No	Sign on door shows "Server Room", also servers	Also has Mitel remote shelf here	CHW	100%	8,824
69	D-C	Counseling	1	1.1d	Active	No	Data only	In paper stoage area	CHW	100%	2,767
70	D-C	Counseling	1	1.2v	Active	No	Voice only		CHW	100%	2,767
71	D-CCC	Community Conference Center	0	None	Active	No	No TR, served from BFL building		CHW	100%	560
72	D-DS	District Storage Building	0	None	Active	No	No services		CHW	100%	5,914
73	D-ET	Engineering Technology Center (N	1	1.1	Active	No		Called survey storeroom	CHW	100%	19,170
74	D-ET	Engineering Technology Center (S	1	1.2v	Active	No	Voice only		CHW	50%	9,585
75	D-ET	Engineering Technology Center (S	1	1.3v	Active	No	Voice only		CHW	50%	9,585
76	D-ET	Engineering Technology Center (N	1	1.4d	Active	No	Data only	Serves a couple of offices and the classroom	CHW	20%	3,834
77	D-ET	Engineering Technology Center (S	1	1.5d	Active	No	Data only	In classroom	CHW	20%	3,834
78	D-ET	Engineering Technology Center (S	1	1.6d	Active	No	Data only	In classroom	CHW	20%	3,834
79	D-ET	Engineering Technology Center (S	1	1.7d	Active	No	Data only	Cisco Lab	CHW	20%	3,834
80	D-ET	Engineering Technology Center (S	1	1.8d	Active	No	Data only, At back of room, cabinet	In old converrted shower	CHW	20%	3,834
81	D-FA	Family Life Education Annex	1	1.1v	Active	No	Voice only, Data comes from FL building		CHW	100%	2,557
82	D-FL	Family Life Education	1	1.1	Active	No	storage		CHW	100%	874
83	D-FO	Faculty Offices	1	1.1	Active	No		Shares with water heater, pipes, storage	CHW	50%	2,063
84	D-FO	Faculty Offices	1	1.2	Active	No		Shared w/Janitorial equipment and water heater	CHW	50%	2,063
85	D-FO	Faculty Offices	2	2.1v	Active	No	Voice only		CHW	100%	4,127
86	D-FO	Faculty Offices	2	2.2v	Active	No	Voice only		CHW	100%	4,127
87	D-GY	Gymnasium	1	1.1d	Active	No	Data only, Also serves the PE building data		CHW	100%	7,000
88	D-GY	Gymnasium Boiler	1	1.2v	Active	No	In boiler room outside of Gym		CHW	100%	140
89	D-H	Humanities	1	1.1v	Active	No	Voice only		CHW	100%	7,384
90	D-H	Humanities	1	1.2d	Active	No	Data only, in storage closet		CHW	100%	7,384
91	D-HR	Hotel / Restaurant Management	1	1.1d	Active	No	Voice and data comes from SA-1.3, continue to		CHW	100%	684
92	D-L	Library	1	1.1d	Active	No	Data only, Houses core for the campus, WAN al		CHW	50%	6,451
93	D-L	Library	1	1.2v	Active	No	Voice only		CHW	100%	12,902
94	D-L	Library	1	1.3d	Active	No	Data only		CHW	50%	6,451
95	D-L	Library	2	2.1v	Active	No	Voice only, Near front entrance		CHW	100%	12,902
96	D-L	Library	2	2.2	Active	No			CHW	50%	6,451
97	D-L	Library	2	2.3	Active	No			CHW	50%	6,451
98	D-L	Library	3	3.1	Active	No	Mitel remote shelf location		CHW	100%	12,902
99	D-LA	Liberal Arts	1	1.1v	Active	No	Voice only, Data comes from FO building		CHW	100%	5,585
100	D-LC	Learning Center	1	1.1v	Active	No	Voice only, closet in hallway 110		CHW	100%	4,583
101	D-LC	Learning Center	2	2.1	Active	No	Data MDF for the building		CHW	100%	4,583
102	D-LC	Learning Center	2	2.2d	Active	No	Data only, Near front entrance, cabinet	Small cabinet for the computer lab only	CHW	50%	2,292
103	D-LC	Learning Center	2	2.3d	Active	No	Data only, At back of room, cabinet	Small cabinet for the computer lab only	CHW	50%	2,292
104	D-LHS	Life/Health Sciences	1	1.1	Active	No	Mitel switch node in the TR		CHW	100%	8,983
105	D-M	Music	1	1.1	Active	No			CHW	50%	1,425
106	D-M	Music	1	1.2d	Active	No	Data only		CHW	50%	1,425
107	D-MA	Math	1	1.1	Active	No			CHW	100%	4,838
108	D-ML	Mens Locker	1	1.1d	Active	No	Data only, Also serves the PE building data		CHW	100%	8,120
109	D-OA	Offices Annex	1	1.1d	Active	No	Data only, In north building, voice feed from Libr		CHW	100%	1,228
110	D-OH	Ornamental Horticulture	0	None	Active	No	Fed from Warehouse maintenance building		CHW	100%	1,008
111	D-PA	Performing Arts	1	1.1	Active	No	Basement Mechanical Room		CHW	50%	2,657

	B	C	D	E	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM
1	Unique Bldg ID	Building Name (From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Additional Floor A Served	% of Additional Floor A Served	Additional Square Footage Served Floor A	Additional Floor B Served	% of Additional Floor B Served	Additional Square Footage Served Floor B	Additional Floor C Served	% of Additional Floor C Served	Additional Square Footage Served Floor C	Total Floors Served	Total Square Footage Served	Recabling Jacks Calculation (total ports * 1.5 * 1.10)	The Survey	Survey Done By?	Existing TR Width
57	C-WL	Womens Locker	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	2,001.30	3.30		AS	10.00
58	D-A	Art Building	1	1.1	0	0%	-	0	0%	0	0	0%	-	0.33	1,158.29	39.60		AS	6.00
59	D-A	Art Building	2	2.1	0	0%	-	0	0%	0	0	0%	-	0.33	1,158.29	95.70		AS	5.00
60	D-A	Art Building	3	3.1d	0	0%	-	0	0%	0	0	0%	-	0.33	1,158.29	80.85		AS	8.00
61	D-A	Art Building	4	4.1v	0	0%	-	0	0%	0	0	0%	-	1.00	3,509.98	21.45		AS	12.00
62	D-AB	Administration Building	1	1.1v	0	0%	-	0	0%	0	0	0%	-	1.00	4,184.25	21.45		AS	7.00
63	D-AB	Administration Building	2	2.1	0	0%	-	0	0%	0	0	0%	-	0.10	418.43	224.40		AS	30.00
64	D-AB	Administration Building	2	2.2d	0	0%	-	0	0%	0	0	0%	-	0.50	2,092.13	80.85		AS	5.00
65	D-AB	Administration Building	2	2.3	0	0%	-	0	0%	0	0	0%	-	0.50	2,092.13	158.40		AS	4.00
66	D-ATC	Advanced Technology Center	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	9,459.80	689.70		AS	8.00
67	D-BC	Book Center	2	2.1	0	0%	-	0	0%	0	0	0%	-	1.00	5,988.50	793.65		AS	9.00
68	D-BFL	Business/Foreign Language	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	8,824.20	755.70		AS	7.00
69	D-C	Counseling	1	1.1d	0	0%	-	0	0%	0	0	0%	-	1.00	2,767.10	206.25		AS	6.00
70	D-C	Counseling	1	1.2v	0	0%	-	0	0%	0	0	0%	-	1.00	2,767.10	94.05		AS	8.00
71	D-CCC	Community Conference Center	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	560.00	-		AS	
72	D-DS	District Storage Building	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	5,914.30	-		AS	
73	D-ET	Engineering Technology Center (N	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	19,170.20	127.05		AS	8.00
74	D-ET	Engineering Technology Center (S	1	1.2v	0	0%	-	0	0%	0	0	0%	-	0.50	9,585.10	16.50		AS	15.00
75	D-ET	Engineering Technology Center (S	1	1.3v	0	0%	-	0	0%	0	0	0%	-	0.50	9,585.10	56.10		AS	12.00
76	D-ET	Engineering Technology Center (N	1	1.4d	0	0%	-	0	0%	0	0	0%	-	0.20	3,834.04	120.45		AS	8.00
77	D-ET	Engineering Technology Center (S	1	1.5d	0	0%	-	0	0%	0	0	0%	-	0.20	3,834.04	107.25		AS	20.00
78	D-ET	Engineering Technology Center (S	1	1.6d	0	0%	-	0	0%	0	0	0%	-	0.20	3,834.04	161.70		AS	20.00
79	D-ET	Engineering Technology Center (S	1	1.7d	0	0%	-	0	0%	0	0	0%	-	0.20	3,834.04	67.65		AS	12.00
80	D-ET	Engineering Technology Center (S	1	1.8d			-				0		-	0.20	3,834.04	80.85		AS	5.00
81	D-FA	Family Life Education Annex	1	1.1v	0	0%	-	0	0%	0	0	0%	-	1.00	2,557.10	9.90		AS	7.00
82	D-FL	Family Life Education	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	873.60	42.90		AS	9.00
83	D-FO	Faculty Offices	1	1.1	0	0%	-	0	0%	0	0	0%	-	0.50	2,063.25	422.40		AS	10.00
84	D-FO	Faculty Offices	1	1.2	0	0%	-	0	0%	0	0	0%	-	0.50	2,063.25	262.35		AS	9.00
85	D-FO	Faculty Offices	2	2.1v	0	0%	-	0	0%	0	0	0%	-	1.00	4,126.50	37.95		AS	8.00
86	D-FO	Faculty Offices	2	2.2v	0	0%	-	0	0%	0	0	0%	-	1.00	4,126.50	100.65		AS	10.00
87	D-GY	Gymnasium	1	1.1d	0	0%	-	0	0%	0	0	0%	-	1.00	7,000.00	13.20		AS	10.00
88	D-GY	Gymnasium Boiler	1	1.2v	0	0%	-	0	0%	0	0	0%	-	1.00	140.00	34.65		AS	10.00
89	D-H	Humanities	1	1.1v	0	0%	-	0	0%	0	0	0%	-	1.00	7,383.60	90.75		AS	25.00
90	D-H	Humanities	1	1.2d	0	0%	-	0	0%	0	0	0%	-	1.00	7,383.60	94.05		AS	4.00
91	D-HR	Hotel / Restaurant Management	1	1.1d	0	0%	-	0	0%	0	0	0%	-	1.00	683.90	-		AS	
92	D-L	Library	1	1.1d	0	0%	-	0	0%	0	0	0%	-	0.50	6,450.97	727.65		AS	12.00
93	D-L	Library	1	1.2v	0	0%	-	0	0%	0	0	0%	-	1.00	12,901.93	19.80		AS	25.00
94	D-L	Library	1	1.3d	0	0%	-	0	0%	0	0	0%	-	0.50	6,450.97	95.70		AS	8.00
95	D-L	Library	2	2.1v	0	0%	-	0	0%	0	0	0%	-	1.00	12,901.93	14.85		AS	6.00
96	D-L	Library	2	2.2	0	0%	-	0	0%	0	0	0%	-	0.50	6,450.97	262.35		AS	4.00
97	D-L	Library	2	2.3	0	0%	-	0	0%	0	0	0%	-	0.50	6,450.97	346.50		AS	8.00
98	D-L	Library	3	3.1	0	0%	-	0	0%	0	0	0%	-	1.00	12,901.93	128.70		AS	10.00
99	D-LA	Liberal Arts	1	1.1v	0	0%	-	0	0%	0	0	0%	-	1.00	5,585.30	85.80		AS	10.00
100	D-LC	Learning Center	1	1.1v	0	0%	-	0	0%	0	0	0%	-	1.00	4,583.25	49.50		AS	5.00
101	D-LC	Learning Center	2	2.1	0	0%	-	0	0%	0	0	0%	-	1.00	4,583.25	79.20		AS	9.00
102	D-LC	Learning Center	2	2.2d	0	0%	-	0	0%	0	0	0%	-	0.50	2,291.63	120.45		AS	
103	D-LC	Learning Center	2	2.3d	0	0%	-	0	0%	0	0	0%	-	0.50	2,291.63	120.45		AS	
104	D-LHS	Life/Health Sciences	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	8,982.75	783.75		AS	10.00
105	D-M	Music	1	1.1	0	0%	-	0	0%	0	0	0%	-	0.50	1,425.03	133.65		AS	5.00
106	D-M	Music	1	1.2d	0	0%	-	0	0%	0	0	0%	-	0.50	1,425.03	117.15		AS	6.00
107	D-MA	Math	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	4,838.40	227.70		AS	9.00
108	D-ML	Mens Locker	1	1.1d	0	0%	-	0	0%	0	0	0%	-	1.00	8,120.00	52.80		AS	10.00
109	D-OA	Offices Annex	1	1.1d	0	0%	-	0	0%	0	0	0%	-	1.00	1,227.80	39.60		AS	20.00
110	D-OH	Ornamental Horticulture	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	1,008.00	-		AS	
111	D-PA	Performing Arts	1	1.1	0	0%	-	0	0%	0	0	0%	-	0.50	2,657.43	105.60		AS	15.00

	B	C	D	E	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX
1	Unique Bldg ID	Building Name (From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Existing TR Length	Existing TR Sq. Ft.	Multifunction? (Sink, Storage, Electrical, etc.)	Can the Multifunction Be Removed?	Cable Distance Problems?	Chemical or Biohazard Area?	Is the TR on a Perimeter Wall?	Security OK?	Is the Space Shared with Other Networking People?	Terminations too High or Low?	TR contains Networking Equipment
57	C-WL	Womens Locker	1	1.1	12.00	120.00	H2O heater	N/A	No	No	Yes	Bad	No	N/A	Security - Mechanical - - - Fire - - -
58	D-A	Art Building	1	1.1	10.00	60.00	Storage	No	No	No	No	Bad	No	N/A	- - - - - - -
59	D-A	Art Building	2	2.1	8.00	40.00	Electrical	No	No	No	No	Bad	No	N/A	Security - - - - - - -
60	D-A	Art Building	3	3.1d	10.00	80.00	Classroom	No	No	No	No	Bad	No	N/A	- - - - - - -
61	D-A	Art Building	4	4.1v	12.00	144.00	Office	N/A	No		No	Fair	No	N/A	- - - - - - -
62	D-AB	Administration Building	1	1.1v	15.00	105.00	Electrical	N/A	No		No	Fair	No	N/A	- - - - Fire - - -
63	D-AB	Administration Building	2	2.1	30.00	900.00	Storage	Yes	No	No	Yes	Bad	No	N/A	- - - - - - -
64	D-AB	Administration Building	2	2.2d	7.00	35.00	Storage	No	No	No	Yes	Bad	No	N/A	- - - - - - -
65	D-AB	Administration Building	2	2.3	5.00	20.00	No	N/A	No	No	No	Fair	No	N/A	- - - - - - -
66	D-ATC	Advanced Technology Center	1	1.1	14.00	112.00	No	N/A	No	No	No	Good	No	N/A	Security - - - - - - -
67	D-BC	Book Center	2	2.1	12.00	108.00	No	N/A	No	No	Yes	Department acc	No	N/A	- - - - - - -
68	D-BFL	Business/Foreign Language	1	1.1	7.00	49.00	No	N/A	No	No	No	Good	No	N/A	Security - - - - - - -
69	D-C	Counseling	1	1.1d	10.00	60.00	Storage	No	No	No	No	Bad	No	N/A	- - - - - - -
70	D-C	Counseling	1	1.2v	2.00	16.00	Storage	N/A	No		No	Fair	No	N/A	- - - - - - -
71	D-CCC	Community Conference Center	0	None											- - - - - - -
72	D-DS	District Storage Building	0	None											- - - - - - -
73	D-ET	Engineering Technology Center (N	1	1.1	14.00	112.00	Electrical	No	No	No	No	Fair	No	N/A	- - - - - - -
74	D-ET	Engineering Technology Center (S	1	1.2v	15.00	225.00	Electrical	No	No	No	Yes	Fair	No	N/A	- - - - - - -
75	D-ET	Engineering Technology Center (S	1	1.3v	8.00	96.00	Office	No	No	No	No	Bad	No	N/A	- - - - - - -
76	D-ET	Engineering Technology Center (N	1	1.4d	12.00	96.00	Office	No	No	No	No	Bad	No	N/A	- - - - - - -
77	D-ET	Engineering Technology Center (S	1	1.5d	20.00	400.00	No	No	No	No	No	Bad	No	N/A	- - - - - - -
78	D-ET	Engineering Technology Center (S	1	1.6d	20.00	400.00	No	No	No	No	No	Bad	No	N/A	- - - - - - -
79	D-ET	Engineering Technology Center (S	1	1.7d	8.00	96.00	Classroom	No	No	No	No	Bad	No	N/A	- - - - - - -
80	D-ET	Engineering Technology Center (S	1	1.8d	4.00	20.00	No	No	No	No	No	Fair	No	N/A	- - - - - - -
81	D-FA	Family Life Education Annex	1	1.1v	5.00	35.00	Electrical	N/A	No		No	Fair	No	N/A	- - - - - - -
82	D-FL	Family Life Education	1	1.1	9.00	81.00	Storage	No	No	No	No	Bad	No	N/A	- - - - - - -
83	D-FO	Faculty Offices	1	1.1	14.00	140.00	Storage	No	No	No	Yes	Fair	No	N/A	- - - - - - -
84	D-FO	Faculty Offices	1	1.2	9.00	81.00	Janitor	No	No	No	No	Fair	No	N/A	- - - - - - -
85	D-FO	Faculty Offices	2	2.1v	8.00	64.00	Janitor	N/A	No		No	Fair	No	N/A	- - - - - - -
86	D-FO	Faculty Offices	2	2.2v	9.00	90.00	Storage	N/A	No		No	Fair	No	N/A	- - - - - - -
87	D-GY	Gymnasium	1	1.1d	15.00	150.00	Storage	No	No	No	No	Fair	No	N/A	- - - - - - -
88	D-GY	Gymnasium Boiler	1	1.2v	10.00	100.00	Electrical	N/A	No		No	Fair	No	N/A	- - - - - - -
89	D-H	Humanities	1	1.1v	5.00	125.00	Storage	N/A	No		No	Fair	No	N/A	- - - - - - -
90	D-H	Humanities	1	1.2d	5.00	20.00	Storage	No	No	No	No	Fair	No	N/A	- - - - - - -
91	D-HR	Hotel / Restaurant Management	1	1.1d											- - - - - - -
92	D-L	Library	1	1.1d	28.00	336.00	No	N/A	No	No	No	Good	No	N/A	- - - - - - -
93	D-L	Library	1	1.2v	25.00	625.00	Storage	N/A	No		No	Fair	No	N/A	- - - - - - -
94	D-L	Library	1	1.3d	14.00	112.00	Office	No	No	No	No	Fair	No	N/A	- - - - - - -
95	D-L	Library	2	2.1v	8.00	48.00	Storage	N/A	No		No	Fair	No	N/A	- - - - - - -
96	D-L	Library	2	2.2	4.00	16.00	No	N/A	No	No	No	Good	No	N/A	- - - - - - -
97	D-L	Library	2	2.3	12.00	96.00	Office	No	No	No	No	Bad	No	N/A	- - - - - - -
98	D-L	Library	3	3.1	15.00	150.00	Storage	Yes	No	No	No	Good	No	N/A	- - - - - - -
99	D-LA	Liberal Arts	1	1.1v	14.00	140.00	Electrical	N/A	No		No	Fair	No	N/A	Security - - - - Fire - - -
100	D-LC	Learning Center	1	1.1v	1.00	5.00	No	N/A	No		No	Fair	No	N/A	- - - - - - -
101	D-LC	Learning Center	2	2.1	10.00	90.00	Storage	No	No	No	No	Fair	No	N/A	- - - - Fire - - -
102	D-LC	Learning Center	2	2.2d			No	N/A	No	No	No	Fair	No	N/A	- - - - - - -
103	D-LC	Learning Center	2	2.3d			No	N/A	No	No	No	Fair	No	N/A	- - - - - - -
104	D-LHS	Life/Health Sciences	1	1.1	14.00	140.00	No	N/A	No	No	No	Good	No	N/A	- - - - - - -
105	D-M	Music	1	1.1	14.00	70.00	Electrical	No	No	No	No	Fair	No	N/A	Security - - - - Fire - - -
106	D-M	Music	1	1.2d	7.00	42.00	Storage	No	No	No	No	Bad	No	N/A	- - - - - - -
107	D-MA	Math	1	1.1	10.00	90.00	No	N/A	No	No	Yes	Bad	No	N/A	- - - - - - -
108	D-ML	Mens Locker	1	1.1d	15.00	150.00	Storage	No	No	No	No	Fair	No	N/A	- - - - - - -
109	D-OA	Offices Annex	1	1.1d	18.00	360.00	Office	No	No	No	Yes	Bad	No	N/A	- - - - - - -
110	D-OH	Ornamental Horticulture	0	None											- - - - - - -
111	D-PA	Performing Arts	1	1.1	15.00	225.00	Electrical	No	No	No	No	Fair	No	N/A	- - - - - - -

	B	C	D	E	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK
1	Unique Bldg ID	Building Name *From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR*	Floor	TR ID	Number of Network Switches Surveyed	Access Door Type	Equipment Door Type	Floor Grade	Batteries in the Room?	Battery Ventilation to Standard?	Electrical or Other Clearance Redo TRs?	Usable TR Width	Usable TR Length	Total Usable TR Sq. Ft.	Cabinets or Racks?	Amount of Spare Rack Space	Racks Bolted to the Floor?
57	C-WL	Womens Locker	1	1.1	1	1 - 3 X 7		Concrete	No	N/A		3	3	9			
58	D-A	Art Building	1	1.1	1	1 - 3 X 7		Concrete	No	N/A		3	3	9	1 - Wall Swing Cabinet, 3 foot		N/A
59	D-A	Art Building	2	2.1	1	1 - 3 X 7		Concrete	No	N/A		3	3	9	1 - Wall Swing Cabinet, 3 foot		No
60	D-A	Art Building	3	3.1d	1	1 - 3 X 7		Tile	No	N/A		3	3	9	1 - Wall Swing Cabinet, 3 foot		No
61	D-A	Art Building	4	4.1v		1 - 3 X 7		Carpet	No	N/A		1	1	1			
62	D-AB	Administration Building	1	1.1v		1 - 3 X 7		Concrete	No	N/A		3	2	6			
63	D-AB	Administration Building	2	2.1	1	1 - 3 X 7		Tile	No	N/A		12	5	60	4 - Standing Rack, 7 foot	5	Yes
64	D-AB	Administration Building	2	2.2d	1	1 - 3 X 7		Tile	No	N/A		3	3	9	1 - Wall Swing Cabinet, 3 foot		N/A
65	D-AB	Administration Building	2	2.3	1	1 - 3 X 7		Tile	No	N/A		4	5	20	1 - Wall Swing Cabinet, 4 foot		No
66	D-ATC	Advanced Technology Center	1	1.1	3	1 - 3 X 7		Concrete	No	N/A		8	14	112	4 - Standing Rack, 7 foot	7	Yes
67	D-BC	Book Center	2	2.1	10	1 - 3 X 7		Tile	No	N/A		9	12	108	2 - Standing Rack, 7 foot	5	Yes
68	D-BFL	Business/Foreign Language	1	1.1	3	1 - 3 X 7		Concrete	No	N/A		7	7	49	2 - Standing Rack, 7 foot	1	Yes
69	D-C	Counseling	1	1.1d	2	1 - 3 X 7		Tile	No	N/A		3	3	9	1 - Standing Rack, 6 foot		No
70	D-C	Counseling	1	1.2v		2 - 4 X 7		Concrete	No	N/A		8	2	16			
71	D-CCC	Community Conference Center	0	None													
72	D-DS	District Storage Building	0	None													
73	D-ET	Engineering Technology Center (N	1	1.1	1	1 - 3 X 7		Concrete	No	N/A		5	5	25	1 - Open Standing Cabinet, 7 foot		Yes
74	D-ET	Engineering Technology Center (S	1	1.2v		1 - 3 X 7		Concrete	No	N/A		5	5	25			
75	D-ET	Engineering Technology Center (S	1	1.3v		1 - 3 X 7		Concrete	No	N/A		3	3	9			
76	D-ET	Engineering Technology Center (N	1	1.4d	1	1 - 3 X 7		Carpet	No	N/A		1	1	1	1 - Wall Swing Cabinet, 2 foot		N/A
77	D-ET	Engineering Technology Center (S	1	1.5d	1	1 - 3 X 7		Carpet	No	N/A		3	3	9	1 - Wall Swing Cabinet, 3 foot		N/A
78	D-ET	Engineering Technology Center (S	1	1.6d	1	1 - 3 X 7		Carpet	No	N/A		3	3	9	1 - Standing Rack, 7 foot		Yes
79	D-ET	Engineering Technology Center (S	1	1.7d	1	1 - 3 X 7		Carpet	No	N/A		3	3	9	1 - Wall Swing Cabinet, 2 foot		N/A
80	D-ET	Engineering Technology Center (S	1	1.8d	1	1 - 3 X 7		Tile	No	N/A		5	4	20	1 - Wall Swing Cabinet, 3 foot		N/A
81	D-FA	Family Life Education Annex	1	1.1v		1 - 3 X 7		Concrete	No	N/A		3	3	9			
82	D-FL	Family Life Education	1	1.1	1	1 - 3 X 7		Concrete	No	N/A		4	4	16	1 - Wall Swing Cabinet, 3 foot		No
83	D-FO	Faculty Offices	1	1.1	2	1 - 3 X 7		Tile	No	N/A		6	8	48	1 - Standing Cabinet, 7 foot	5	Yes
84	D-FO	Faculty Offices	1	1.2	1	1 - 3 X 7		Concrete	No	N/A		4	4	16	1 - Wall Swing Cabinet, 3 foot		No
85	D-FO	Faculty Offices	2	2.1v		1 - 3 X 7		Concrete	No	N/A		3	3	9			
86	D-FO	Faculty Offices	2	2.2v		1 - 3 X 7		Tile	No	N/A		3	3	9			
87	D-GY	Gymnasium	1	1.1d	1	1 - 3 X 7		Concrete	No	N/A		3	3	9			N/A
88	D-GY	Gymnasium Boiler	1	1.2v		1 - 3 X 7		Concrete	No	N/A		3	3	9			
89	D-H	Humanities	1	1.1v		1 - 3 X 7		Concrete	No	N/A		3	3	9			
90	D-H	Humanities	1	1.2d	1	1 - 3 X 7		Concrete	No	N/A		5	5	25	2 - Wall Swing Cabinet, 4 foot		N/A
91	D-HR	Hotel / Restaurant Management	1	1.1d													
92	D-L	Library	1	1.1d	4	1 - 3 X 7		Raised	No	N/A		12	28	336	13 - Standing Rack, 7 foot	12	Yes
93	D-L	Library	1	1.2v		1 - 3 X 7		Tile	No	N/A		3	3	9			
94	D-L	Library	1	1.3d	1	1 - 3 X 7		Tile	No	N/A		3	3	9	1 - Standing Rack, 7 foot		Yes
95	D-L	Library	2	2.1v		1 - 3 X 7		Concrete	No	N/A		3	1	3			
96	D-L	Library	2	2.2	2	1 - 3 X 7		Carpet	No	N/A		4	4	16	2 - Wall Swing Cabinet, 4 foot		No
97	D-L	Library	2	2.3	1	1 - 3 X 7		Carpet	No	N/A		5	5	25	1 - Standing Rack, 7 foot		No
98	D-L	Library	3	3.1	1	1 - 3 X 7		Tile	No	N/A		6	12	72	5 - Standing Rack, 7 foot		Yes
99	D-LA	Liberal Arts	1	1.1v		1 - 3 X 7		Concrete	No	N/A		5	5	25			
100	D-LC	Learning Center	1	1.1v		2 - 2 X 7		Concrete	No	N/A		5	1	5			
101	D-LC	Learning Center	2	2.1	1	1 - 3 X 7		Tile	No	N/A		3	5	15	1 - Standing Rack, 7 foot		Yes
102	D-LC	Learning Center	2	2.2d	1			Carpet	No	N/A		3	3	9			N/A
103	D-LC	Learning Center	2	2.3d	1			Carpet	No	N/A		3	3	9			N/A
104	D-LHS	Life/Health Sciences	1	1.1	3	1 - 3 X 7		Concrete	No	N/A		10	14	140	4 - Standing Rack, 7 foot	3	Yes
105	D-M	Music	1	1.1	2	1 - 3 X 7		Tile	No	N/A		5	3	15	1 - Wall Swing Cabinet, 3 foot		No
106	D-M	Music	1	1.2d	1	1 - 3 X 7		Carpet	No	N/A		3	3	9	1 - Wall Swing Cabinet, 3 foot		N/A
107	D-MA	Math	1	1.1	1	1 - 3 X 7		Concrete	No	N/A		9	10	90	3 - Standing Rack, 7 foot	5	Yes
108	D-ML	Mens Locker	1	1.1d	1	1 - 3 X 7		Concrete	No	N/A		3	3	9			N/A
109	D-OA	Offices Annex	1	1.1d	1	1 - 3 X 7		Carpet	No	N/A		3	3	9	1 - Standing Rack, 5 foot		No
110	D-OH	Ornamental Horticulture	0	None													
111	D-PA	Performing Arts	1	1.1	1	1 - 3 X 7		Concrete	No	N/A		4	4	16	1 - Wall Swing Cabinet, 3 foot		No

	B	C	D	E	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW
1	Unique Bldg ID	Building Name (From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Racks Braced at the Top?	Racks Bonded?	Rack Notes	Lighting OK?	Existing HVAC or Ventilation Type	Is HVAC 24x7?	Room Temperature at Time of Survey	Room Dust Level at Time of Survey	20 AMP Electrical Outlets (Standard)	30 AMP Electrical Outlets (Standard)	20 AMP Electrical Outlets (Dedicated)	30 AMP Electrical Outlets (Dedicated)
57	C-WL	Womens Locker	1	1.1			In small wall box	Yes	None	No	HOT	Dirty	2			
58	D-A	Art Building	1	1.1	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	0		2	
59	D-A	Art Building	2	2.1	No	No		No	Vent only	No	Warm	Dusty	0		2	
60	D-A	Art Building	3	3.1d	No	No		No	Exhaust fan	No	Warm	Acceptable	0		2	
61	D-A	Art Building	4	4.1v			None	Yes	None	No	Acceptable	Acceptable	0			
62	D-AB	Administration Building	1	1.1v			None	No	None	No	Warm	Dusty	0			
63	D-AB	Administration Building	2	2.1	Yes	Yes	3 for Mitel, 2 for data	No	Building Air	No	Acceptable	Clean	0		12	1
64	D-AB	Administration Building	2	2.2d	N/A	N/A	Wall mounted	Yes	Dedicated Air	No	Cool	Clean	0		2	
65	D-AB	Administration Building	2	2.3	No	No		No	Vent only	No	HOT	Dusty	2		0	
66	D-ATC	Advanced Technology Center	1	1.1	Yes	Yes		Yes	Dedicated Air	Yes	Cool	Clean	0		12	6
67	D-BC	Book Center	2	2.1	Yes	No	One cabinet, one rack	No	Dedicated Air	No	Acceptable	Clean	0		16	1
68	D-BFL	Business/Foreign Language	1	1.1	Yes	No		No	Dedicated Air	No	Warm	Dusty	0		16	
69	D-C	Counseling	1	1.1d	No	No		No	Building Air	No	Acceptable	Acceptable	2		0	
70	D-C	Counseling	1	1.2v			None	Yes	None	No	Acceptable	Dusty	0			
71	D-CCC	Community Conference Center	0	None												
72	D-DS	District Storage Building	0	None												
73	D-ET	Engineering Technology Center (N	1	1.1	No	No		No	None	No	Warm	Dusty	2		0	
74	D-ET	Engineering Technology Center (S	1	1.2v			None	Yes	None	No	Warm	Dusty	0			
75	D-ET	Engineering Technology Center (S	1	1.3v			None	Yes	None	No	Acceptable	Acceptable	0			
76	D-ET	Engineering Technology Center (N	1	1.4d	N/A	N/A		No	Building Air	No	Acceptable	Acceptable	0		2	
77	D-ET	Engineering Technology Center (S	1	1.5d	N/A	N/A	Wall mounted	Yes	None	No	Acceptable	Acceptable	0		2	
78	D-ET	Engineering Technology Center (S	1	1.6d	No	N/A		Yes	None	No	Acceptable	Acceptable	0		2	
79	D-ET	Engineering Technology Center (S	1	1.7d	N/A	N/A	Wall mounted	No	None	No	Warm	Acceptable	0		2	
80	D-ET	Engineering Technology Center (S	1	1.8d	N/A	N/A	Wall mounted	Yes	None	No	Acceptable	Acceptable	0		2	
81	D-FA	Family Life Education Annex	1	1.1v			None	Yes	None	No	HOT	Dusty	2			
82	D-FL	Family Life Education	1	1.1	No	No		Yes	None	No	Warm	Dusty	2		0	
83	D-FO	Faculty Offices	1	1.1	No	No		No	Building Air	No	Acceptable	Acceptable	0		8	
84	D-FO	Faculty Offices	1	1.2	No	No		No	Vent only	No	Warm	Dusty	0		2	
85	D-FO	Faculty Offices	2	2.1v			None	Yes	None	No	Acceptable	Acceptable	0			
86	D-FO	Faculty Offices	2	2.2v			None	Yes	None	No	Acceptable	Acceptable	0			
87	D-GY	Gymnasium	1	1.1d	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	2		2	
88	D-GY	Gymnasium Boiler	1	1.2v			None	Yes	None	No	HOT	Acceptable	0			
89	D-H	Humanities	1	1.1v			None	Yes	None	No	Warm	Dusty	0			
90	D-H	Humanities	1	1.2d	N/A	N/A	2 wall racks	Yes	None	No	Warm	Dusty	2		0	
91	D-HR	Hotel / Restaurant Management	1	1.1d												
92	D-L	Library	1	1.1d	Yes	Yes	All are not bolted down	No	Dedicated Air	No	Cool	Clean	0		16	
93	D-L	Library	1	1.2v			None	Yes	None	No	Acceptable	Acceptable	0			
94	D-L	Library	1	1.3d	No	N/A		No	None	No	Warm	Dusty	2		0	
95	D-L	Library	2	2.1v			None	Yes	None	No	Warm	Acceptable	0			
96	D-L	Library	2	2.2	No	No		No	Vent only	No	Warm	Dusty	0		2	
97	D-L	Library	2	2.3	No	No		No	Building Air	No	Warm	Dusty	2		2	
98	D-L	Library	3	3.1	Yes	No		Yes	Building Air	No	Acceptable	Acceptable	2		2	
99	D-LA	Liberal Arts	1	1.1v			None	No	None	No	HOT	Dirty	0			
100	D-LC	Learning Center	1	1.1v			None	Yes	None	No	Acceptable	Acceptable	0			
101	D-LC	Learning Center	2	2.1	Yes	No		No	Dedicated Air	No	Warm	Dusty	0		2	
102	D-LC	Learning Center	2	2.2d	N/A	N/A	Small cabinet	No	None	No	Warm	Dusty	2		0	
103	D-LC	Learning Center	2	2.3d	N/A	N/A	Small cabinet	No	None	No	Warm	Dusty	2		0	
104	D-LHS	Life/Health Sciences	1	1.1	Yes	Yes		No	Dedicated Air	No	Cool	Dirty	0		44	0
105	D-M	Music	1	1.1	No	No		No	Vent only	No	Warm	Dusty	0		2	
106	D-M	Music	1	1.2d	N/A	N/A		No	Building Air	No	Warm	Dusty	0		2	
107	D-MA	Math	1	1.1	Yes	Yes		No	None	No	Acceptable	Dusty	0		4	
108	D-ML	Mens Locker	1	1.1d	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	2		2	
109	D-OA	Offices Annex	1	1.1d	No	No		No	Building Air	No	Acceptable	Acceptable	0		2	
110	D-OH	Ornamental Horticulture	0	None												
111	D-PA	Performing Arts	1	1.1	No	No		No	None	No	Warm	Dusty	0		2	

	B	C	D	E	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK
1	Unique Bldg ID	Building Name	Floor	TR ID	UPS 1　From file H:\CCCCdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	UPS 2	UPS 3	UPS 4	UPS 5	Width of Used Linear Feet of Wall Space (ft.)	Height of Used Linear Wall Space (ft.)	Total Square Feet of Used Linear Wall Space (sq. ft.)	Width of Available Linear Feet of Wall Space (ft. incl. used)	Height of Available Linear Wall Space (ft. incl. used)	Total Square Feet of Available Linear Wall Space (total sq. ft.)	Grounding in the Room?	Copper Protection in Room?	TELCO MPOE in Room?
57	C-WL	Womens Locker	1	1.1						2	3	6	3	3	9	No	No	No
58	D-A	Art Building	1	1.1	1 - apc, 450 with 0 outlets											No	No	No
59	D-A	Art Building	2	2.1	1 - apc, 450 with 0 outlets					3	4	12	3	4	12	No	No	No
60	D-A	Art Building	3	3.1d	1 - apc, 450 with 0 outlets											No	No	No
61	D-A	Art Building	4	4.1v						2	2	4	2	2	4	No	No	No
62	D-AB	Administration Building	1	1.1v						2	3	6	2	3	6	No	No	No
63	D-AB	Administration Building	2	2.1	1 - best, FE with 0 outlets					7	4	28	8	5	40	Yes	No	No
64	D-AB	Administration Building	2	2.2d	1 - apc, 450 with 0 outlets											No	No	No
65	D-AB	Administration Building	2	2.3						3	5	15	3	6	18	Yes	No	No
66	D-ATC	Advanced Technology Center	1	1.1	1 - apc, 2200 with 6 outlets					4	3	12	6	5	30	Yes	No	No
67	D-BC	Book Center	2	2.1	1 - apc, 2200 with 0 outlets					3	4	12	3	4	12	No	No	No
68	D-BFL	Business/Foreign Language	1	1.1	2 - apc, 1000 with 0 outlets					3	4	12	5	5	25	No	No	No
69	D-C	Counseling	1	1.1d												No	No	No
70	D-C	Counseling	1	1.2v						6	3	18	6	5	30	No	No	No
71	D-CCC	Community Conference Center	0	None														
72	D-DS	District Storage Building	0	None														
73	D-ET	Engineering Technology Center (N	1	1.1						3	4	12	4	4	16	Yes	No	No
74	D-ET	Engineering Technology Center (S	1	1.2v						2	3	6	3	3	9	No	No	No
75	D-ET	Engineering Technology Center (S	1	1.3v						2	3	6	3	3	9	No	No	No
76	D-ET	Engineering Technology Center (N	1	1.4d												No	No	No
77	D-ET	Engineering Technology Center (S	1	1.5d												No	No	No
78	D-ET	Engineering Technology Center (S	1	1.6d												No	No	No
79	D-ET	Engineering Technology Center (S	1	1.7d												No	No	No
80	D-ET	Engineering Technology Center (S	1	1.8d												No	No	No
81	D-FA	Family Life Education Annex	1	1.1v						2	3	6	3	3	9	No	No	No
82	D-FL	Family Life Education	1	1.1						3	4	12	3	4	12	No	No	No
83	D-FO	Faculty Offices	1	1.1						4	4	16	4	5	20	No	No	No
84	D-FO	Faculty Offices	1	1.2						4	4	16	4	5	20	No	No	No
85	D-FO	Faculty Offices	2	2.1v						4	4	16	4	4	16	No	No	No
86	D-FO	Faculty Offices	2	2.2v						4	4	16	4	5	20	No	No	No
87	D-GY	Gymnasium	1	1.1d												No	No	No
88	D-GY	Gymnasium Boiler	1	1.2v						2	3	6	3	3	9	No	No	No
89	D-H	Humanities	1	1.1v						2	3	6	3	3	9	No	No	No
90	D-H	Humanities	1	1.2d												No	No	No
91	D-HR	Hotel / Restaurant Management	1	1.1d														
92	D-L	Library	1	1.1d	6 - apc, 450 with 0 outlets	2 - apc, 1 - apc, 30	1 - apc, S	1 - apc,								Yes	No	No
93	D-L	Library	1	1.2v						2	3	6	3	5	15	No	No	No
94	D-L	Library	1	1.3d	1 - apc, 450 with 0 outlets											No	No	No
95	D-L	Library	2	2.1v						2	3	6	3	3	9	No	No	No
96	D-L	Library	2	2.2	1 - apc, 450 with 0 outlets					3	4	12	3	4	12	Yes	No	No
97	D-L	Library	2	2.3						3	4	12	3	4	12	Yes	No	No
98	D-L	Library	3	3.1	1 - apc, 450 with 0 outlets					3	4	12	8	4	32	Yes	No	No
99	D-LA	Liberal Arts	1	1.1v						3	5	15	4	5	20	No	No	No
100	D-LC	Learning Center	1	1.1v						2	3	6	3	3	9	No	No	No
101	D-LC	Learning Center	2	2.1									5	5	25	No	No	No
102	D-LC	Learning Center	2	2.2d												No	No	No
103	D-LC	Learning Center	2	2.3d												No	No	No
104	D-LHS	Life/Health Sciences	1	1.1	1 - apc, 2200 with 0 outlets					3	4	12	8	5	40	Yes	No	No
105	D-M	Music	1	1.1						3	4	12	3	4	12	No	No	No
106	D-M	Music	1	1.2d									4	5	20	No	No	No
107	D-MA	Math	1	1.1	1 - apc, 450 with 0 outlets					1	1	1	3	3	9	No	No	No
108	D-ML	Mens Locker	1	1.1d												No	No	No
109	D-OA	Offices Annex	1	1.1d												No	No	No
110	D-OH	Ornamental Horticulture	0	None														
111	D-PA	Performing Arts	1	1.1	1 - apc, 450 with 0 outlets					3	4	12	3	4	12	No	No	No

	B	C	D	E	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU	DV
1	Unique Bldg ID	Building Name (From file H:\CCCCdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Ceiling Type?	Fire Suppression Type?	Smoke Detector Notes	Fire Rated Wall Boards	Do We Need to Recable Due to Thinnet or Cat 3?	TR Needs HVAC System Installed	Does Electrical Need to be Added to the Room?	FROM PHYSICAL SURVEYS Non-Converged	Non-Converged Required TR Square Footage	Additional Square Footage Required to Meet Non-Converged	Additional TR(s) to be Added Due to Cable Length Problems
57	C-WL	Womens Locker	1	1.1	Hard lid	None	No	No	No	No	No	None	24	15	
58	D-A	Art Building	1	1.1	Open	None	No	No	No	Duct only	No	A	24	15	
59	D-A	Art Building	2	2.1	Open	None	No	No	No	No	No	Rebuild	30	21	
60	D-A	Art Building	3	3.1d	Lay-in	None	No	No	No	No	No	None	30	21	
61	D-A	Art Building	4	4.1v	Hard lid	None	No	No	No	No	No	A	24	23	
62	D-AB	Administration Building	1	1.1v	Hard lid	None	No	No	No	No	No	A	24	18	
63	D-AB	Administration Building	2	2.1	Hard lid	Sprinkler	No	No	No	Yes	No	B	24	None	
64	D-AB	Administration Building	2	2.2d	Hard lid	Sprinkler	No	No	No	No	No	A	30	21	
65	D-AB	Administration Building	2	2.3	Hard lid	Sprinkler	No	No	No	Yes	Yes	A	48	28	
66	D-ATC	Advanced Technology Center	1	1.1	Open	Sprinkler	Yes	No	No	No	No	None	80	None	
67	D-BC	Book Center	2	2.1	Open	Sprinkler	Yes	No	No	No	No	None	110	2	
68	D-BFL	Business/Foreign Language	1	1.1	Hard lid	None	Yes	No	No	No	No	A	80	31	
69	D-C	Counseling	1	1.1d	Hard lid	None	No	No	No	No	Yes	A	48	39	
70	D-C	Counseling	1	1.2v	Hard lid	None	No	No	No	No	No	A	30	14	
71	D-CCC	Community Conference Center	0	None								No TR			
72	D-DS	District Storage Building	0	None								No TR			
73	D-ET	Engineering Technology Center (N	1	1.1	Open	None	No	No	No	Yes	No	B	48	23	
74	D-ET	Engineering Technology Center (S	1	1.2v	Open	None	No	No	No	No	No	A	24	None	
75	D-ET	Engineering Technology Center (S	1	1.3v	Hard lid	None	No	No	No	No	No	A	24	15	
76	D-ET	Engineering Technology Center (N	1	1.4d	Lay-in	None	No	No	No	No	No	Abandon	48	47	
77	D-ET	Engineering Technology Center (S	1	1.5d	Hard lid	None	No	No	No	Duct only	No	Abandon	48	39	
78	D-ET	Engineering Technology Center (S	1	1.6d	Hard lid	None	No	No	No	No	No	A	48	39	
79	D-ET	Engineering Technology Center (S	1	1.7d	Hard lid	None	No	No	No	No	No	A	30	21	
80	D-ET	Engineering Technology Center (S	1	1.8d	Hard lid	None	No	No	No	Duct only	No	A	30	10	
81	D-FA	Family Life Education Annex	1	1.1v	Hard lid	Sprinkler	No	No	No	No	No	A	24	15	
82	D-FL	Family Life Education	1	1.1	Hard lid	Sprinkler	No	No	No	No	No	A	24	8	
83	D-FO	Faculty Offices	1	1.1	Hard lid	Sprinkler	No	No	No	No	Yes	B	64	16	
84	D-FO	Faculty Offices	1	1.2	Hard lid	Sprinkler	No	No	No	No	Yes	C	48	32	
85	D-FO	Faculty Offices	2	2.1v	Hard lid	None	No	No	No	No	No	A	24	15	
86	D-FO	Faculty Offices	2	2.2v	Hard lid	None	No	No	No	No	No	A	30	21	
87	D-GY	Gymnasium	1	1.1d	Lay-in	None	No	No	No	No	No	A	30	21	
88	D-GY	Gymnasium Boiler	1	1.2v	Hard lid	None	No	No	No	No	No	A	24	15	
89	D-H	Humanities	1	1.1v	Hard lid	None	No	No	No	No	No	A	30	21	
90	D-H	Humanities	1	1.2d	Hard lid	Sprinkler	No	No	No	Yes	Yes	A	30	5	
91	D-HR	Hotel / Restaurant Management	1	1.1d								No TR	24		
92	D-L	Library	1	1.1d	Lay-in	None	Yes	No	No	No	No	B	80	None	
93	D-L	Library	1	1.2v	Open	None	No	No	No	No	No	A	24	15	
94	D-L	Library	1	1.3d	Lay-in	None	No	No	No	No	No	None	30	21	
95	D-L	Library	2	2.1v	Hard lid	None	No	No	No	No	No	A	24	21	
96	D-L	Library	2	2.2	Hard lid	None	No	No	No	No	No	C	48	32	
97	D-L	Library	2	2.3	Lay-in	None	No	No	No	No	No	B	64	39	
98	D-L	Library	3	3.1	Lay-in	None	No	No	No	No	No	None	48	None	
99	D-LA	Liberal Arts	1	1.1v	Hard lid	None	No	No	No	No	No	A	30	5	
100	D-LC	Learning Center	1	1.1v	Hard lid	None	No	No	No	No	No	A	24	19	
101	D-LC	Learning Center	2	2.1	Hard lid	Sprinkler	Yes	No	No	No	No	B	30	15	
102	D-LC	Learning Center	2	2.2d	Lay-in	None	No	No	No	No	No	None	48	39	
103	D-LC	Learning Center	2	2.3d	Lay-in	None	No	No	No	No	No	None	48	39	
104	D-LHS	Life/Health Sciences	1	1.1	Open	None	No	No	No	No	No	None	110	None	
105	D-M	Music	1	1.1	Hard lid	None	Yes	No	No	No	No	Abandon	48	33	
106	D-M	Music	1	1.2d	Open	None	No	No	No	Yes	Yes	B	48	39	
107	D-MA	Math	1	1.1	Hard lid	None	No	No	No	Yes	No	B	48	None	
108	D-ML	Mens Locker	1	1.1d	Lay-in	None	No	No	No	No	No	A	30	21	
109	D-OA	Offices Annex	1	1.1d	Lay-in	None	No	No	No	No	No	A	24	15	
110	D-OH	Ornamental Horticulture	0	None								No TR			
111	D-PA	Performing Arts	1	1.1	Open	None	No	No	No	No	No	Abandon	30	14	

	B	C	D	E	DW	DX	DY	DZ	EA	EB
1	Unique Bldg ID	Building Name	Floor	TR ID	Description of Work Required for Non-Converged From file H:\CCCCData\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	FROM PHYSICAL SURVEYS Converged Solution	Required TR Square Footage of Converged	Additional Square Footage Required to Meet Converged Requirement	Additional TR(s) to Be Added Due to Cable Length Problems	Description of Work Required for Converged
57	C-WL	Womens Locker	1	1.1	Just feeds locker room via ethernet converter and voice cable	None	48	39		Just feeds locker room via ethernet converter and voic
58	D-A	Art Building	1	1.1	Cage off the back of the room, add HVAC, grounding, firestoppinbg	A	48	39		Cage off the back of the room, add HVAC, grounding,
59	D-A	Art Building	2	2.1	Need to move the equipment to a new location, no space for work	Rebuild	48	39		Need to move the equipment to a new location, no spa
60	D-A	Art Building	3	3.1d	Classroom data only, leave for classroom as is	None	48	39		Classroom data only, leave for classroom as is
61	D-A	Art Building	4	4.1v	Small voice only TR, leave as is	Abandon	48	47		Abandon and recable for convergence
62	D-AB	Administration Building	1	1.1v	Small voice only TR, leave as is	Abandon	48	42		Abandon and recable for convergence
63	D-AB	Administration Building	2	2.1	Enclose the space, make it a switchroom with rack clearance	B	48	None		Enclose the space, make it a switchroom with rack cle
64	D-AB	Administration Building	2	2.2d	Take over room, add standing rack, reterm cable	A	48	39		Take over room, add standing rack, reterm cable
65	D-AB	Administration Building	2	2.3	Add air, clean up old cable, firestop, ground, terminate the cable	A	48	28		Add air, clean up old cable, firestop, ground, terminate
66	D-ATC	Advanced Technology Center	1	1.1	Good room, should firestop conduits	None	64	None		Good room, should firestop conduits
67	D-BC	Book Center	2	2.1	Tight room but it is already overcabled, ground racks	None	64	None		Tight room but it is already overcabled, ground racks
68	D-BFL	Business/Foreign Language	1	1.1	Fix HVAC, ground, firestop	C	64	15		Fix HVAC, ground, firestop, must expand room for 3rd
69	D-C	Counseling	1	1.1d	Secure racks, ground, firestop	A	48	39		Secure racks, ground, firestop
70	D-C	Counseling	1	1.2v	Small voice only TR, leave as is	Abandon	48	32		Abandon and recable for convergence
71	D-CCC	Community Conference Center	0	None	Fed by next door building, leave it that way	No TR				Fed by next door building, leave it that way
72	D-DS	District Storage Building	0	None	Nothing needed	No TR				Nothing needed
73	D-ET	Engineering Technology Center (N	1	1.1	Cage off a portion of the room, add HVAC, use this to feed 1/2 buildi	B	80	55		Cage off a portion of the room, add HVAC, use this to
74	D-ET	Engineering Technology Center (S	1	1.2v	Small voice only TR, leave as is	Abandon	80	55		Abandon and recable for convergence
75	D-ET	Engineering Technology Center (S	1	1.3v	Small voice only TR, leave as is	Abandon	80	71		Abandon and recable for convergence
76	D-ET	Engineering Technology Center (N	1	1.4d	Move to the 1.1	Abandon	48	47		Move to the 1.1
77	D-ET	Engineering Technology Center (S	1	1.5d	Move and rewire to a better TR location	Abandon	48	39		Move and rewire to a better TR location
78	D-ET	Engineering Technology Center (S	1	1.6d	Enclose the rack in a self contained cabinet	A	48	39		Enclose the rack in a self contained cabinet
79	D-ET	Engineering Technology Center (S	1	1.7d	Enclose equipment in self contained cabinet	A	48	39		Enclose equipment in self contained cabinet
80	D-ET	Engineering Technology Center (S	1	1.8d	Add HVAC, firestop, ground rack	A	80	60		Add HVAC, firestop, ground rack
81	D-FA	Family Life Education Annex	1	1.1v	Small voice only TR, leave as is	Abandon	48	39		Abandon and recable for convergence
82	D-FL	Family Life Education	1	1.1	Cage off the data, install a self contained cabinet	A	48	32		Cage off the data, install a self contained cabinet
83	D-FO	Faculty Offices	1	1.1	Clear storage, mount cabinets high so there is no water damage	B	48	None		Clear storage, mount cabinets high so there is no wate
84	D-FO	Faculty Offices	1	1.2	Expand into the office next door, take services out of janitorial space	C	48	32		Expand into the office next door, take services out of j
85	D-FO	Faculty Offices	2	2.1v	Small voice only TR, leave as is	Abandon	48	39		Abandon and recable for convergence
86	D-FO	Faculty Offices	2	2.2v	Small voice only TR, leave as is	Abandon	48	39		Abandon and recable for convergence
87	D-GY	Gymnasium	1	1.1d	Add a self containe cabinet with fans and UPS	A	64	55		Add a self containe cabinet with fans and UPS
88	D-GY	Gymnasium Boiler	1	1.2v	Small voice only TR, leave as is	None	48	39		Small voice only TR, leave as is
89	D-H	Humanities	1	1.1v	Small voice only TR, leave as is	Abandon	64	55		Abandon and recable for convergence
90	D-H	Humanities	1	1.2d	Add cooling, power, install 7 foot rack, cut in equipment door for acc	A	64	39		Add cooling, power, install 7 foot rack, cut in equipmen
91	D-HR	Hotel / Restaurant Management	1	1.1d	Fed by next door building, leave it that way	No TR	48			Fed by next door building, leave it that way
92	D-L	Library	1	1.1d	Good room, bolt racks down through floor, Reorg cool side of cabine	B	80	None		Good room, bolt racks down through floor, Reorg cool
93	D-L	Library	1	1.2v	Small voice only TR, leave as is, clear old key equipment	Abandon	80	71		Abandon and recable for convergence
94	D-L	Library	1	1.3d	Just for testing, leave as is	None	80	71		Just for testing, leave as is
95	D-L	Library	2	2.1v	Small voice only TR, leave as is	Abandon	80	77		Abandon and recable for convergence
96	D-L	Library	2	2.2	Need to expand the room for future growth	C	80	64		Need to expand the room for future growth
97	D-L	Library	2	2.3	Take over room for a voice nad data TR, remove carpet	B	80	55		Take over room for a voice nad data TR, remove carp
98	D-L	Library	3	3.1	Good room	None	80	8		Good room
99	D-LA	Liberal Arts	1	1.1v	Small voice only TR, leave as is	Rebuild	64	39		Data is now fed from FO building, build a TR for this b
100	D-LC	Learning Center	1	1.1v	Small voice only TR, leave as is	Abandon	48	43		Abandon and recable for convergence
101	D-LC	Learning Center	2	2.1	Enclose the room, add standing rack and UPS	B	48	33		Enclose the room, add standing rack and UPS
102	D-LC	Learning Center	2	2.2d	Small cabinet for the computer lab only	None	48	39		Small cabinet for the computer lab only
103	D-LC	Learning Center	2	2.3d	Small cabinet for the computer lab only	None	48	39		Small cabinet for the computer lab only
104	D-LHS	Life/Health Sciences	1	1.1	Good room	A	64	None		Good room, electrical should be in the rack
105	D-M	Music	1	1.1	Use this as a passthrough only, Build one good TR in the building	Abandon	48	33		Use this as a passthrough only, Build one good TR in
106	D-M	Music	1	1.2d	Enclose the TR and serve the whole building from here	B	48	39		Enclose the TR and serve the whole building from her
107	D-MA	Math	1	1.1	Cage off the equipment from storage (1/2 room), firestop, ground	B	48	None		Cage off the equipment from storage (1/2 room), firest
108	D-ML	Mens Locker	1	1.1d	Add a self containe cabinet with fans and UPS	A	64	55		Add a self containe cabinet with fans and UPS
109	D-OA	Offices Annex	1	1.1d	Installed self contained cabinet with fans	A	48	39		Installed self contained cabinet with fans
110	D-OH	Ornamental Horticulture	0	None	No service now, feed fiber or wireless from Warehouse	No TR				No service now, feed fiber or wireless from Warehous
111	D-PA	Performing Arts	1	1.1	Use for voice passthrough only, recable to new TR in building	Abandon	64	48		Use for voice passthrough only, recable to new TR in

	B	C	D	E	EC	ED	EE	EF	EG	EH	EI	EJ	EK
1	Unique Bldg ID	Building Name (From file H:\CCCCData\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	FROM PHYSICAL SURVEY BICSI Methodology	BICSI Required TR Square Footage	Additional Square Footage Required to Meet BICSI Requirement	Additional Number of TR(s) Due to Square Footage	Additional Number of TR(s) Due to Number of Floors	Additional TR(s) to Be Added	Description of Work Required for BICSI Methodology:	Abandon / NonConverged - TR to Rewire to…	Abandon / Converged - TR to Rewire to…
57	C-WL	Womens Locker	1	1.1	A	80	71				Needs cabinet in office area of locker room a least		
58	D-A	Art Building	1	1.1	A	80	71				Cage off the back of the room, add HVAC, grounding, firestoppinbg		
59	D-A	Art Building	2	2.1	Rebuild	80	71				Need to move the equipment to a new location, no space for work		
60	D-A	Art Building	3	3.1d	None	80	71				Classroom data only, leave for classroom as is		
61	D-A	Art Building	4	4.1v	Abandon	80	79				Abandon and recable for convergence		D-A-3.1d
62	D-AB	Administration Building	1	1.1v	Abandon	80	74				Abandon and recable for convergence		D-AB-2.1
63	D-AB	Administration Building	2	2.1	B	80	20				Enclose the space, make it a switchroom with rack clearance		
64	D-AB	Administration Building	2	2.2d	A	80	71				Take over room, add standing rack, reterm cable		
65	D-AB	Administration Building	2	2.3	C	80	60				Expand the bump out and make the room bigger to house standing		
66	D-ATC	Advanced Technology Center	1	1.1	None	110	None				Good room, should firestop conduits		
67	D-BC	Book Center	2	2.1	None	90	None				Tight room but it is already overcabled, ground racks		
68	D-BFL	Business/Foreign Language	1	1.1	C	110	61				Fix HVAC, ground, firestop, must expand room for 3rd rack		
69	D-C	Counseling	1	1.1d	B	80	71				Take over space and add a rack for growth, secure racks		
70	D-C	Counseling	1	1.2v	Abandon	80	64				Abandon and recable for convergence		D-C-1.1d
71	D-CCC	Community Conference Center	0	None	No TR						Fed by next door building, leave it that way		
72	D-DS	District Storage Building	0	None	No TR						No service		
73	D-ET	Engineering Technology Center (N	1	1.1	B	80	55				Cage off a portion of the room, add HVAC, use this to feed 1/2 build		
74	D-ET	Engineering Technology Center (S	1	1.2v	Abandon	80	55				Abandon and recable for convergence		D-ET-1.6d
75	D-ET	Engineering Technology Center (S	1	1.3v	Abandon	80	71				Abandon and recable for convergence		D-ET-1.7d
76	D-ET	Engineering Technology Center (N	1	1.4d	Abandon	80	79				Move to the 1.1	D-ET-1.1	D-ET-1.1
77	D-ET	Engineering Technology Center (S	1	1.5d	Abandon	80	71				Move and rewire to a better TR location	D-ET-1.8d	D-ET-1.8d
78	D-ET	Engineering Technology Center (S	1	1.6d	B	80	71				Build out a closet here around the system		
79	D-ET	Engineering Technology Center (S	1	1.7d	B	80	71				Cage off section of room and protect security of the network, add ra		
80	D-ET	Engineering Technology Center (S	1	1.8d	C	80	60				Expand room, add standing rack and HVAC		
81	D-FA	Family Life Education Annex	1	1.1v	Abandon	80	71				Abandon and recable for convergence		D-FL-1.1
82	D-FL	Family Life Education	1	1.1	B	80	64				Enclose the room, add standing rack and UPS		
83	D-FO	Faculty Offices	1	1.1	B	80	32				Clear storage, mount cabinets high so there is no water damage		
84	D-FO	Faculty Offices	1	1.2	C	80	64				Expand into the office next door, take services out of janitorial space		
85	D-FO	Faculty Offices	2	2.1v	Abandon	80	71				Abandon and recable for convergence		D-FO-1.2
86	D-FO	Faculty Offices	2	2.2v	Abandon	80	71				Abandon and recable for convergence		D-FO-1.1
87	D-GY	Gymnasium	1	1.1d	B	110	101				Enclose the room, add standing rack and UPS		
88	D-GY	Gymnasium Boiler	1	1.2v	None	80	71				Small voice only TR, leave as is		
89	D-H	Humanities	1	1.1v	Abandon	90	81				Abandon and recable for convergence		D-H-1.2d
90	D-H	Humanities	1	1.2d	C	90	65				Expand room, add cooling, power, install 7 foot rack		
91	D-HR	Hotel / Restaurant Management	1	1.1d	No TR	80					Fed by next door building, leave it that way		
92	D-L	Library	1	1.1d	B	80	None				Good room, bolt racks down through floor, Reorg cool side of cabin		
93	D-L	Library	1	1.2v	Abandon	80	71				Abandon and recable for convergence		D-L-1.1d
94	D-L	Library	1	1.3d	None	80	71				Just for testing, leave as is		
95	D-L	Library	2	2.1v	Abandon	80	77				Abandon and recable for convergence		D-L-2.2
96	D-L	Library	2	2.2	C	80	64				Need to expand the room for future growth		
97	D-L	Library	2	2.3	B	80	55				Take over room for a voice nad data TR, remove carpet		
98	D-L	Library	3	3.1	None	80	8				Good room		
99	D-LA	Liberal Arts	1	1.1v	Rebuild	90	65				Data is now fed from FO building, build a TR for this building		
100	D-LC	Learning Center	1	1.1v	Abandon	80	75				Abandon and recable for convergence		D-C-1.1d
101	D-LC	Learning Center	2	2.1	B	80	65				Enclose the room, add standing rack and UPS		
102	D-LC	Learning Center	2	2.2d	None	80	71				Small cabinet for the computer lab only		
103	D-LC	Learning Center	2	2.3d	None	80	71				Small cabinet for the computer lab only		
104	D-LHS	Life/Health Sciences	1	1.1	A	110	None				Good room, electrical should be in the rack		
105	D-M	Music	1	1.1	Abandon	80	65				Use this as a passthrough only, Build one good TR in the building	D-M-1.2d	D-M-1.2d
106	D-M	Music	1	1.2d	B	80	71				Enclose the TR and serve the whole building from here		
107	D-MA	Math	1	1.1	B	80	None				Cage off the equipment from storage (1/2 room), firestop, ground		
108	D-ML	Mens Locker	1	1.1d	B	110	101				Enclose the room, add standing rack and UPS		
109	D-OA	Offices Annex	1	1.1d	A	80	71				Installed self contained cabinet with fans		
110	D-OH	Ornamental Horticulture	0	None	No TR						No service now, feed fiber or wireless from Warehouse		
111	D-PA	Performing Arts	1	1.1	Abandon	90	74				Use for voice passthrough only, recable to new TR in building	D-PA-2.1d	D-PA-2.1d

	B	C	D	E	EL	EM	EN
1	Unique Bldg ID	Building Name From file H:\CCCCData\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Abandon / BICSI - TR to Rewire to…	Remove Storage?	Survey Date
57	C-WL	Womens Locker	1	1.1		No	07/31/08
58	D-A	Art Building	1	1.1		No	08/05/08
59	D-A	Art Building	2	2.1		No	08/05/08
60	D-A	Art Building	3	3.1d		No	08/05/08
61	D-A	Art Building	4	4.1v	D-A-3.1d	No	08/05/08
62	D-AB	Administration Building	1	1.1v	D-AB-2.1	No	08/04/08
63	D-AB	Administration Building	2	2.1		No	08/04/08
64	D-AB	Administration Building	2	2.2d		Yes	08/04/08
65	D-AB	Administration Building	2	2.3		No	08/04/08
66	D-ATC	Advanced Technology Center	1	1.1		No	08/04/08
67	D-BC	Book Center	2	2.1		No	08/05/08
68	D-BFL	Business/Foreign Language	1	1.1		No	08/04/08
69	D-C	Counseling	1	1.1d		Yes	08/04/08
70	D-C	Counseling	1	1.2v	D-C-1.1d	No	08/04/08
71	D-CCC	Community Conference Center	0	None			08/05/08
72	D-DS	District Storage Building	0	None			08/05/08
73	D-ET	Engineering Technology Center (N	1	1.1		Yes	08/05/08
74	D-ET	Engineering Technology Center (S	1	1.2v	D-ET-1.6d	No	08/05/08
75	D-ET	Engineering Technology Center (S	1	1.3v	D-ET-1.7d	No	08/05/08
76	D-ET	Engineering Technology Center (N	1	1.4d	D-ET-1.1	No	08/05/08
77	D-ET	Engineering Technology Center (S	1	1.5d	D-ET-1.8d	No	08/05/08
78	D-ET	Engineering Technology Center (S	1	1.6d		No	08/05/08
79	D-ET	Engineering Technology Center (S	1	1.7d		No	08/05/08
80	D-ET	Engineering Technology Center (S	1	1.8d		No	08/05/08
81	D-FA	Family Life Education Annex	1	1.1v	D-FL-1.1	No	08/04/08
82	D-FL	Family Life Education	1	1.1		Yes	08/04/08
83	D-FO	Faculty Offices	1	1.1		Yes	08/04/08
84	D-FO	Faculty Offices	1	1.2		No	08/04/08
85	D-FO	Faculty Offices	2	2.1v	D-FO-1.2	No	08/04/08
86	D-FO	Faculty Offices	2	2.2v	D-FO-1.1	No	08/04/08
87	D-GY	Gymnasium	1	1.1d		No	08/05/08
88	D-GY	Gymnasium Boiler	1	1.2v		No	08/05/08
89	D-H	Humanities	1	1.1v	D-H-1.2d	No	08/04/08
90	D-H	Humanities	1	1.2d		No	08/04/08
91	D-HR	Hotel / Restaurant Management	1	1.1d			08/05/08
92	D-L	Library	1	1.1d		No	08/04/08
93	D-L	Library	1	1.2v	D-L-1.1d	No	08/04/08
94	D-L	Library	1	1.3d		No	08/04/08
95	D-L	Library	2	2.1v	D-L-2.2	No	08/04/08
96	D-L	Library	2	2.2		No	08/04/08
97	D-L	Library	2	2.3		No	08/04/08
98	D-L	Library	3	3.1		No	08/04/08
99	D-LA	Liberal Arts	1	1.1v		No	08/04/08
100	D-LC	Learning Center	1	1.1v	D-C-1.1d	No	08/04/08
101	D-LC	Learning Center	2	2.1		No	08/04/08
102	D-LC	Learning Center	2	2.2d		No	08/04/08
103	D-LC	Learning Center	2	2.3d		No	08/04/08
104	D-LHS	Life/Health Sciences	1	1.1		No	08/05/08
105	D-M	Music	1	1.1	D-M-1.2d	No	08/05/08
106	D-M	Music	1	1.2d		Yes	08/05/08
107	D-MA	Math	1	1.1		No	08/05/08
108	D-ML	Mens Locker	1	1.1d		No	08/05/08
109	D-OA	Offices Annex	1	1.1d		No	08/05/08
110	D-OH	Ornamental Horticulture	0	None			08/05/08
111	D-PA	Performing Arts	1	1.1	D-PA-2.1d	No	08/05/08

	B	C	D	E	EO	EP	EQ	ER	ES	ET	EU	EV	EW	EX	EY	EZ	FA	FB
	Unique Bldg ID	Building Name (From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR)	Floor	TR ID	Photo Number	Photo Note	Remove Janitor?	Building Serviced by Generator?	OSP MM Fiber Stands Installed	OSP MM Fiber Stands Used	OSP MM Fiber Stands Available	ISP MM Fiber Strands Installed	ISP MM Fiber Strands Used	ISP MM Fiber Strands Available	OSP Single Mode Strands Installed	OSP Single Mode Strands Used	OSP Single Mode Strands Available	ISP Single Mode Strands Installed
57	C-WL	Womens Locker	1	1.1	File 2 pix 8 thru 9		No	No	12	2	10	0	0	0	0	0	0	0
58	D-A	Art Building	1	1.1	File 5 pix 32 thru 33		No	No	0	0	0	6	2	4	0	0	0	0
59	D-A	Art Building	2	2.1	File 5 pix 30 thru 31		No	No	0	0	0	0	0	0	0	0	0	0
60	D-A	Art Building	3	3.1d	File 5 pix 34		No	No	0	0	0	0	0	0	0	0	0	0
61	D-A	Art Building	4	4.1v	File 5 pix 35		No	No	0	0	0	0	0	0	0	0	0	0
62	D-AB	Administration Building	1	1.1v	File 4 pix 39		No	No	0	0	0	0	0	0	0	0	0	0
63	D-AB	Administration Building	2	2.1	File 4 pix 28 thru 33		No	No	18	8	10	0	0	0	0	0	0	0
64	D-AB	Administration Building	2	2.2d	File 4 pix 36 thru 38		No	No	0	0	0	6	2	4	0	0	0	0
65	D-AB	Administration Building	2	2.3	File 4 pix 34 thru 35		No	No	0	0	0	0	0	0	0	0	0	0
66	D-ATC	Advanced Technology Center	1	1.1	File 4 pix 40 thru 42		No	No	12	6	6	0	0	0	12	0	12	0
67	D-BC	Book Center	2	2.1	File 5 pix 16 thru 18		No	No	12	2	10	0	0	0	12	0	12	0
68	D-BFL	Business/Foreign Language	1	1.1	File 4 pix 22 thru 24		No	No	12	8	4	0	0	0	12	0	12	0
69	D-C	Counseling	1	1.1d	File 4 pix 1 thru 2		No	No	6	2	4	0	0	0	0	0	0	0
70	D-C	Counseling	1	1.2v	File 4 pix 3		No	No	0	0	0	0	0	0	0	0	0	0
71	D-CCC	Community Conference Center	0	None	File 5 pix 0	None			0	0	0	0	0	0	0	0	0	0
72	D-DS	District Storage Building	0	None	File 5 pix 0	None			0	0	0	0	0	0	0	0	0	0
73	D-ET	Engineering Technology Center (N	1	1.1	File 5 pix 12 thru 13		No	No	12	4	8	0	0	0	12	0	12	0
74	D-ET	Engineering Technology Center (S	1	1.2v	File 5 pix 6		No	No	0	0	0	0	0	0	0	0	0	0
75	D-ET	Engineering Technology Center (S	1	1.3v	File 5 pix 9		No	No	0	0	0	0	0	0	0	0	0	0
76	D-ET	Engineering Technology Center (N	1	1.4d	File 5 pix 10 thru 11		No	No	0	0	0	0	0	0	0	0	0	0
77	D-ET	Engineering Technology Center (S	1	1.5d	File 5 pix 2 thru 3		No	No	0	0	0	0	0	0	0	0	0	0
78	D-ET	Engineering Technology Center (S	1	1.6d	File 5 pix 4 thru 5		No	No	0	0	0	0	0	0	0	0	0	0
79	D-ET	Engineering Technology Center (S	1	1.7d	File 5 pix 7 thru 8		No	No	0	0	0	0	0	0	0	0	0	0
80	D-ET	Engineering Technology Center (S	1	1.8d	File 5 pix 1		No	No	0	0	0	6	2	4	0	0	0	0
81	D-FA	Family Life Education Annex	1	1.1v	File 4 pix 27		No	No	0	0	0	0	0	0	0	0	0	0
82	D-FL	Family Life Education	1	1.1	File 4 pix 25 thru 26		No	No	0	0	0	0	0	0	0	0	0	0
83	D-FO	Faculty Offices	1	1.1	File 4 pix 11 thru 13		No	No	0	0	0	0	0	0	0	0	0	0
84	D-FO	Faculty Offices	1	1.2	File 4 pix 14 thru 15		No	No	0	0	0	6	2	4	0	0	0	0
85	D-FO	Faculty Offices	2	2.1v	File 4 pix 16 thru 17		No	No	0	0	0	0	0	0	0	0	0	0
86	D-FO	Faculty Offices	2	2.2v	File 4 pix 10		No	No	0	0	0	0	0	0	0	0	0	0
87	D-GY	Gymnasium	1	1.1d	File 5 pix 62		No	No	6	2	4	0	0	0	6	0	6	0
88	D-GY	Gymnasium Boiler	1	1.2v	File 5 pix 59		No	No	0	0	0	0	0	0	0	0	0	0
89	D-H	Humanities	1	1.1v	File 4 pix 21		No	No	0	0	0	0	0	0	0	0	0	0
90	D-H	Humanities	1	1.2d	File 4 pix 20		No	No	12	6	6	0	0	0	0	0	0	0
91	D-HR	Hotel / Restaurant Management	1	1.1d	File 5 pix 0	None			0	0	0	0	0	0	0	0	0	0
92	D-L	Library	1	1.1d	File 4 pix 55 thru 59		No	No	0	0	0	0	0	0	0	0	0	0
93	D-L	Library	1	1.2v	File 4 pix 67		No	No	0	0	0	0	0	0	0	0	0	0
94	D-L	Library	1	1.3d	File 4 pix 60		No	No	0	0	0	6	2	4	0	0	0	0
95	D-L	Library	2	2.1v	File 4 pix 62		No	No	0	0	0	0	0	0	0	0	0	0
96	D-L	Library	2	2.2	File 4 pix 61		No	No	0	0	0	12	4	8	0	0	0	0
97	D-L	Library	2	2.3	File 4 pix 63		No	No	0	0	0	0	0	0	0	0	0	0
98	D-L	Library	3	3.1	File 4 pix 64 thru 66		No	No	0	0	0	12	8	4	0	0	0	0
99	D-LA	Liberal Arts	1	1.1v	File 4 pix 18 thru 19		No	No	0	0	0	0	0	0	0	0	0	0
100	D-LC	Learning Center	1	1.1v	File 4 pix 4		No	No	0	0	0	0	0	0	0	0	0	0
101	D-LC	Learning Center	2	2.1	File 4 pix 5 thru 7		No	No	6	2	4	0	0	0	0	0	0	0
102	D-LC	Learning Center	2	2.2d	File 4 pix 8		No	No	0	0	0	0	0	0	0	0	0	0
103	D-LC	Learning Center	2	2.3d	File 4 pix 9		No	No	0	0	0	0	0	0	0	0	0	0
104	D-LHS	Life/Health Sciences	1	1.1	File 5 pix 49 thru 51		No	No	12	4	8	0	0	0	12	0	12	0
105	D-M	Music	1	1.1	File 5 pix 42 thru 44		No	No	6	2	4	0	0	0	6	0	6	0
106	D-M	Music	1	1.2d	File 5 pix 45 thru 46		No	No	0	0	0	6	2	4	0	0	0	0
107	D-MA	Math	1	1.1	File 5 pix 14 thru 15		No	No	12	2	10	0	0	0	12	0	12	0
108	D-ML	Mens Locker	1	1.1d	File 5 pix 55		No	No	6	2	4	0	0	0	6	0	6	0
109	D-OA	Offices Annex	1	1.1d	File 5 pix 47 thru 48		No	No	6	2	4	0	0	0	6	0	6	0
110	D-OH	Ornamental Horticulture	0	None	File 5 pix 0	None			0	0	0	0	0	0	0	0	0	0
111	D-PA	Performing Arts	1	1.1	File 5 pix 38 thru 39		No	No	6	4	2	0	0	0	6	0	6	0

	B	C	D	E	FC	FD	FE	FF	FG	FH	FI	FJ	FK	FL	FM	FN	FO	FP
1	Unique Bldg ID	Building Name (From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	ISP Single Mode Strands Used	ISP Single Mode Strands Available	Voice Copper Riser Count	Voice Copper Riser Pairs Used	Voice Copper Riser % Spare	Network Ports Available (surveyed)	Network Ports Used (surveyed)	Network Ports % Spare (surveyed)	Building OSP Copper Count	Building OSP Copper Pairs Used	Building OSP Copper % Spare	Add Riser Conduit Because Existing Is Full?	CATV Trunk Cable? Where Is It Located?	CATV Rg6 Cable? Where Is It Located?
57	C-WL	Womens Locker	1	1.1	0	0	0	0		1	1	0%	6	2	67%	No	No	No
58	D-A	Art Building	1	1.1	0	0	0	0		24	22	8%	0	0		Yes	No	No
59	D-A	Art Building	2	2.1	0	0	0	0		24	12	50%	50	29	42%	Yes	No	No
60	D-A	Art Building	3	3.1d	0	0	0	0		48	46	4%	0	0		Yes	No	No
61	D-A	Art Building	4	4.1v	0	0	25	10	60%	0	0		0	0		Yes	No	No
62	D-AB	Administration Building	1	1.1v	0	0	0	0		0	0		100	10	90%	Yes	No	No
63	D-AB	Administration Building	2	2.1	0	0	0	0		72	64	11%	50	48	4%	Yes	No	No
64	D-AB	Administration Building	2	2.2d	0	0	0	0		48	28	42%	0	0		Yes	No	No
65	D-AB	Administration Building	2	2.3	0	0	100	43	57%	48	46	4%	0	0		Yes	No	No
66	D-ATC	Advanced Technology Center	1	1.1	0	0	0	0		384	372	3%	50	25	50%	No	No	No
67	D-BC	Book Center	2	2.1	0	0	0	0		432	50	88%	100	40	60%	No	No	No
68	D-BFL	Business/Foreign Language	1	1.1	0	0	0	0		384	359	7%	200	64	68%	No	No	No
69	D-C	Counseling	1	1.1d	0	0	0	0		120	77	36%	0	0		No	No	No
70	D-C	Counseling	1	1.2v	0	0	100	50	50%	0	0		0	0		No	No	No
71	D-CCC	Community Conference Center	0	None	0	0	0	0		0	0		0	0				
72	D-DS	District Storage Building	0	None	0	0	0	0		0	0		0	0				
73	D-ET	Engineering Technology Center (N	1	1.1	0	0	0	0		48	26	46%	100	24	76%	Yes	No	No
74	D-ET	Engineering Technology Center (S	1	1.2v	0	0	0	0		0	0		100	8	92%	Yes	No	No
75	D-ET	Engineering Technology Center (S	1	1.3v	0	0	100	30	70%	0	0		0	0		Yes	No	No
76	D-ET	Engineering Technology Center (N	1	1.4d	0	0	0	0		72	64	11%	0	0		Yes	No	No
77	D-ET	Engineering Technology Center (S	1	1.5d	0	0	0	0		64	40	38%	0	0		Yes	No	No
78	D-ET	Engineering Technology Center (S	1	1.6d	0	0	0	0		96	90	6%	0	0		Yes	No	No
79	D-ET	Engineering Technology Center (S	1	1.7d	0	0	0	0		40	30	25%	0	0		Yes	No	No
80	D-ET	Engineering Technology Center (S	1	1.8d	0	0	0	0		48	42	13%	0	0		Yes	No	No
81	D-FA	Family Life Education Annex	1	1.1v	0	0	0	0		0	0		50	4	92%	No	No	No
82	D-FL	Family Life Education	1	1.1	0	0	0	0		24	12	50%	100	12	88%	No	No	No
83	D-FO	Faculty Offices	1	1.1	0	0	0	0		308	228	26%	100	55	45%	Yes	No	No
84	D-FO	Faculty Offices	1	1.2	0	0	0	0		96	86	10%	100	55	45%	Yes	No	No
85	D-FO	Faculty Offices	2	2.1v	0	0	100	19	81%	0	0		0	0		Yes	No	No
86	D-FO	Faculty Offices	2	2.2v	0	0	100	55	45%	0	0		0	0		Yes	No	No
87	D-GY	Gymnasium	1	1.1d	0	0	0	0		32	12	63%	0	0		No	No	No
88	D-GY	Gymnasium Boiler	1	1.2v	0	0	0	0		0	0		100	15	85%	No	No	No
89	D-H	Humanities	1	1.1v	0	0	0	0		0	0		50	48	4%	No	No	No
90	D-H	Humanities	1	1.2d	0	0	0	0		56	50	11%	0	0		No	No	No
91	D-HR	Hotel / Restaurant Management	1	1.1d	0	0	0	0		0	0		0	0				
92	D-L	Library	1	1.1d	0	0	0	0		408	368	10%	50	48	4%	No	No	No
93	D-L	Library	1	1.2v	0	0	100	10	90%	0	0		0	0		No	No	No
94	D-L	Library	1	1.3d	0	0	0	0		56	25	55%	0	0		No	No	No
95	D-L	Library	2	2.1v	0	0	25	6	76%	0	0		0	0		No	No	No
96	D-L	Library	2	2.2	0	0	50	8	84%	144	132	8%	0	0		No	No	No
97	D-L	Library	2	2.3	0	0	50	30	40%	168	153	9%	0	0		No	No	No
98	D-L	Library	3	3.1	0	0	0	0		24	20	17%	0	0		No	No	No
99	D-LA	Liberal Arts	1	1.1v	0	0	0	0		0	0		100	45	55%	No	No	No
100	D-LC	Learning Center	1	1.1v	0	0	50	17	66%	0	0		0	0		No	No	No
101	D-LC	Learning Center	2	2.1	0	0	0	0		48	46	4%	0	0		No	No	No
102	D-LC	Learning Center	2	2.2d	0	0	0	0		72	54	25%	0	0		No	No	No
103	D-LC	Learning Center	2	2.3d	0	0	0	0		72	65	10%	0	0		No	No	No
104	D-LHS	Life/Health Sciences	1	1.1	0	0	0	0		384	340	11%	25	6	76%	No	No	No
105	D-M	Music	1	1.1	0	0	0	0		48	28	42%	50	22	56%	Yes	No	No
106	D-M	Music	1	1.2d	0	0	0	0		70	44	37%	0	0		Yes	No	No
107	D-MA	Math	1	1.1	0	0	0	0		72	67	7%	75	54	28%	No	No	No
108	D-ML	Mens Locker	1	1.1d	0	0	0	0		32	12	63%	0	0		No	No	No
109	D-OA	Offices Annex	1	1.1d	0	0	0	0		24	24	0%	0	0		No	No	No
110	D-OH	Ornamental Horticulture	0	None	0	0	0	0		0	0		0	0				
111	D-PA	Performing Arts	1	1.1	0	0	0	0		24	24	0%	50	35	30%	No	No	No

	B	C	D	E	FQ	FR	FS	FT	FU	FV	FW	FX	FY	FZ	GA
1	Unique Bldg ID	Building Name From file H:\CCCCData\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Wireless Access Equipment in TR Such as In-line Power Equip.	Fire / Life Safety Equip. in the TR?	Security & Alarm Systems in the TR?	Energy Management Systems (SCADA) in the TR?	Campus Card Access Systems?	Fire, Police, or Health Safety Systems in the TR?	EOC Network Equipment in the TR?	C.P.E. Network Equipment?	Old Broadband Cable in the Room	Notes About the TR Urgency	Are Conduits Fire Stopped?
57	C-WL	Womens Locker	1	1.1											No
58	D-A	Art Building	1	1.1											No
59	D-A	Art Building	2	2.1											No
60	D-A	Art Building	3	3.1d											No
61	D-A	Art Building	4	4.1v											No
62	D-AB	Administration Building	1	1.1v											No
63	D-AB	Administration Building	2	2.1											No
64	D-AB	Administration Building	2	2.2d											No
65	D-AB	Administration Building	2	2.3											No
66	D-ATC	Advanced Technology Center	1	1.1											No
67	D-BC	Book Center	2	2.1											Yes
68	D-BFL	Business/Foreign Language	1	1.1											No
69	D-C	Counseling	1	1.1d											No
70	D-C	Counseling	1	1.2v											No
71	D-CCC	Community Conference Center	0	None											
72	D-DS	District Storage Building	0	None											
73	D-ET	Engineering Technology Center (N	1	1.1											No
74	D-ET	Engineering Technology Center (S	1	1.2v											No
75	D-ET	Engineering Technology Center (S	1	1.3v											No
76	D-ET	Engineering Technology Center (N	1	1.4d											No
77	D-ET	Engineering Technology Center (S	1	1.5d											No
78	D-ET	Engineering Technology Center (S	1	1.6d											No
79	D-ET	Engineering Technology Center (S	1	1.7d											No
80	D-ET	Engineering Technology Center (S	1	1.8d											No
81	D-FA	Family Life Education Annex	1	1.1v											No
82	D-FL	Family Life Education	1	1.1											No
83	D-FO	Faculty Offices	1	1.1											No
84	D-FO	Faculty Offices	1	1.2											No
85	D-FO	Faculty Offices	2	2.1v											No
86	D-FO	Faculty Offices	2	2.2v											No
87	D-GY	Gymnasium	1	1.1d											No
88	D-GY	Gymnasium Boiler	1	1.2v											No
89	D-H	Humanities	1	1.1v											No
90	D-H	Humanities	1	1.2d											No
91	D-HR	Hotel / Restaurant Management	1	1.1d											
92	D-L	Library	1	1.1d											No
93	D-L	Library	1	1.2v											No
94	D-L	Library	1	1.3d											No
95	D-L	Library	2	2.1v											No
96	D-L	Library	2	2.2											No
97	D-L	Library	2	2.3											No
98	D-L	Library	3	3.1											No
99	D-LA	Liberal Arts	1	1.1v											No
100	D-LC	Learning Center	1	1.1v											No
101	D-LC	Learning Center	2	2.1											No
102	D-LC	Learning Center	2	2.2d											No
103	D-LC	Learning Center	2	2.3d											No
104	D-LHS	Life/Health Sciences	1	1.1											No
105	D-M	Music	1	1.1											No
106	D-M	Music	1	1.2d											No
107	D-MA	Math	1	1.1											No
108	D-ML	Mens Locker	1	1.1d											No
109	D-OA	Offices Annex	1	1.1d											No
110	D-OH	Ornamental Horticulture	0	None											
111	D-PA	Performing Arts	1	1.1											No

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	B	C	D	E	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
1	Unique Bldg ID	Building Name From file H:\CCCCData\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Category of TR Urgency	Difficulty of Horizontal Cabling (Easy, Medium, or Hard)	Cat 5 for Data (Yes/No)	Number of Cat 5 Cables	Number of Cat 5 Used	Retermination of Good Data Cable is needed	% of Cable That Is Cat 5E or Better	Expected Year for Infrastructure Work	DRAWING PROBLEMS	Time Stamp
57	C-WL	Womens Locker	1	1.1		Hard				Yes	100%			9:37 AM
58	D-A	Art Building	1	1.1		Hard				Yes	100%			10:37 AM
59	D-A	Art Building	2	2.1		Hard				Yes	100%			10:31 AM
60	D-A	Art Building	3	3.1d		Medium				Yes	100%			10:42 AM
61	D-A	Art Building	4	4.1v		Easy				No	0%			10:46 AM
62	D-AB	Administration Building	1	1.1v		Easy				No	0%			1:41 PM
63	D-AB	Administration Building	2	2.1		Hard				No	100%			1:20 PM
64	D-AB	Administration Building	2	2.2d		Hard				Yes	100%			1:37 PM
65	D-AB	Administration Building	2	2.3		Hard				Yes	100%			1:29 PM
66	D-ATC	Advanced Technology Center	1	1.1		Easy				No	100%			1:54 PM
67	D-BC	Book Center	2	2.1		Easy				No	100%			9:24 AM
68	D-BFL	Business/Foreign Language	1	1.1		Easy				No	100%			11:51 AM
69	D-C	Counseling	1	1.1d		Easy				No	100%			10:19 AM
70	D-C	Counseling	1	1.2v		Easy				No	0%			10:25 AM
71	D-CCC	Community Conference Center	0	None		Easy				No	0%			11:31 AM
72	D-DS	District Storage Building	0	None		Easy				No	0%			11:39 AM
73	D-ET	Engineering Technology Center (N	1	1.1		Hard				Yes	100%			8:57 AM
74	D-ET	Engineering Technology Center (S	1	1.2v		Easy				No	0%			8:30 AM
75	D-ET	Engineering Technology Center (S	1	1.3v		Easy				No	0%			8:43 AM
76	D-ET	Engineering Technology Center (N	1	1.4d		Easy				No	100%			8:50 AM
77	D-ET	Engineering Technology Center (S	1	1.5d		Medium				No	100%			8:19 AM
78	D-ET	Engineering Technology Center (S	1	1.6d		Medium				No	100%			8:26 AM
79	D-ET	Engineering Technology Center (S	1	1.7d		Medium				No	100%			8:40 AM
80	D-ET	Engineering Technology Center (S	1	1.8d		Medium				Yes	100%			8:13 AM
81	D-FA	Family Life Education Annex	1	1.1v		Easy				No	0%			1:01 PM
82	D-FL	Family Life Education	1	1.1		Hard				Yes	100%			12:57 PM
83	D-FO	Faculty Offices	1	1.1		Hard				No	100%			11:09 AM
84	D-FO	Faculty Offices	1	1.2		Easy				No	100%			11:16 AM
85	D-FO	Faculty Offices	2	2.1v		Easy				No	0%			11:20 AM
86	D-FO	Faculty Offices	2	2.2v		Easy				No	0%			11:00 AM
87	D-GY	Gymnasium	1	1.1d		Easy				Yes	100%			1:56 PM
88	D-GY	Gymnasium Boiler	1	1.2v		Easy				No	0%			2:20 PM
89	D-H	Humanities	1	1.1v		Easy				No	0%			11:39 AM
90	D-H	Humanities	1	1.2d		Hard				No	100%			11:34 AM
91	D-HR	Hotel / Restaurant Management	1	1.1d		Easy				No	0%			1:49 PM
92	D-L	Library	1	1.1d		Medium				No	100%			3:15 PM
93	D-L	Library	1	1.2v		Easy				No	0%			3:49 PM
94	D-L	Library	1	1.3d		Easy				Yes	100%			3:23 PM
95	D-L	Library	2	2.1v		Easy				No	0%			3:33 PM
96	D-L	Library	2	2.2		Medium				No	100%			3:31 PM
97	D-L	Library	2	2.3		Easy				No	100%			3:38 PM
98	D-L	Library	3	3.1		Easy				No	100%			3:44 PM
99	D-LA	Liberal Arts	1	1.1v		Hard				No	0%			11:26 AM
100	D-LC	Learning Center	1	1.1v		Easy				No	0%			10:32 AM
101	D-LC	Learning Center	2	2.1		Easy				No	100%			10:42 AM
102	D-LC	Learning Center	2	2.2d		Easy				No	100%			10:52 AM
103	D-LC	Learning Center	2	2.3d		Easy				No	100%			10:53 AM
104	D-LHS	Life/Health Sciences	1	1.1		Easy				No	100%			1:17 PM
105	D-M	Music	1	1.1		Hard				Yes	100%			11:25 AM
106	D-M	Music	1	1.2d		Hard				No	0%			11:37 AM
107	D-MA	Math	1	1.1		Medium				No	100%			9:10 AM
108	D-ML	Mens Locker	1	1.1d		Easy				Yes	100%			1:56 PM
109	D-OA	Offices Annex	1	1.1d		Easy				Yes	100%			1:03 PM
110	D-OH	Ornamental Horticulture	0	None		Easy				No	0%			11:41 AM
111	D-PA	Performing Arts	1	1.1		Easy				Yes	100%			11:04 AM

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Unique Bldg ID	Building Name From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Consolidated TR ID	Voice Only, Data Only, V/D, V/PassiveD	Gross Sq. Ft. for the Building	Client TR Room No.	Number of Floors in the Building	Street Address	Gross Sq. Ft. for the Floor	Assignable Sq. Ft. for the Floor	OSP Copper	Riser Copper	Riser MM Fiber	Riser SM Fiber
112	D-PA	Performing Arts	2	2.1d	D-PA-2.1d	Data Only	22778	PAC111a	3	321 Golf Club Road	7593	5315	0	0	6	0
113	D-PB	Press Box	1	1.1v	D-PB-1.1v	Voice Only	637		2	321 Golf Club Road	319	223	6	0	0	0
114	D-PE	Physical Education Building	1	1.1v	D-PE-1.1v	Voice Only	16297	PE102	2	321 Golf Club Road	8149	5704	25	0	0	0
115	D-PE1	Portable No. 1 / Classroom	0	None	D-PE1-None	Other	9690		1	321 Golf Club Road	9690	6783	0	0	0	0
116	D-PE2	Portable No. 2 / Training room	1	1.1	D-PE2-1.1	Other	1652		1	321 Golf Club Road	1652	1156	0	0	0	0
117	D-PES	P.E. Storage	0	None	D-PES-None	Data Only	841		1	321 Golf Club Road	841	589	0	0	0	0
118	D-PO	Physical Education Offices	2	2.1	D-PO-2.1	V/D	0	0	1	321 Golf Club Road	0	0	100	0	0	0
119	D-POL	Police Department	1	1.1d	D-POL-1.1d	Data Only	15000		1	321 Golf Club Road	15000	10500	0	0	0	0
120	D-PS-N	Physical Science - North	1	1.1	D-PS-N-1.1	V/D	30337	PS120	3	321 Golf Club Road	10112	7079	0	0	0	0
121	D-PS-N	Physical Science - North	2	2.1d	D-PS-N-2.1d	Data Only	30337	PS215	3	322 Golf Club Road	10112	7079	0	0	0	0
122	D-PS-S	Physical Science - South	1	1.1	D-PS-S-1.1	V/D	30337	PS182	3	321 Golf Club Road	10112	7079	100	0	6	6
123	D-SA	Student Activities	1	1.1d	D-SA-1.1d	Data Only	18449	SA9	1	321 Golf Club Road	18449	12914	0	0	0	0
124	D-SA	Student Activities	1	1.2v	D-SA-1.2v	Voice Only	18449	SA29	1	322 Golf Club Road	18449	12914	50	0	0	0
125	D-SA	Student Activities	1	1.3d	D-SA-1.3d	Data Only	18449	SA29	1	322 Golf Club Road	18449	12914	0	0	0	0
126	D-SC1	Museum / Planetarium	1	1.1	D-SC1-1.1	V/D	5919	PL105	2	321 Golf Club Road	2960	2072	25	0	0	0
127	D-SC2	Offices	2	2.1	D-SC2-2.1	V/D	8000	SC201	3	321 Golf Club Road	2667	1867	100	0	0	0
128	D-SC3	Lecture (SC501)	0	None	D-SC3-None	Other	1161		1	321 Golf Club Road	1161	813	0	0	0	0
129	D-SC4	Classroom (SC601)	0	None	D-SC4-None	Other	764		1	321 Golf Club Road	764	535	0	0	0	0
130	D-SC5	Astronomy (SC701)	1	1.1d	D-SC5-1.1d	Data Only	1449	SC703	1	321 Golf Club Road	1449	1014	0	0	0	0
131	D-SC6	Observatory (SC801)	0	None	D-SC6-None	Other	300		1	321 Golf Club Road	300	210	0	0	0	0
132	D-SC7	Concessions (SC901)	0	None	D-SC7-None	Other	180		1	321 Golf Club Road	180	126	0	0	0	0
133	D-SC8	Science Restrooms (SC401/402)	0	None	D-SC8-None	Other	300		1	321 Golf Club Road	300	210	0	0	0	0
134	D-SC9	Science Utility	0	None	D-SC9-None	Other	355		1	321 Golf Club Road	355	249	0	0	0	0
135	D-SSC	Student Services Center	1	1.1v	D-SSC-1.1v	Voice Only	27386	SSC147	2	321 Golf Club Road	13693	9585	200	0	0	0
136	D-SSC	Student Services Center	1	1.2	D-SSC-1.2	V/D	27386	SSC134	2	321 Golf Club Road	13693	9585	100	0	0	0
137	D-SSC	Student Services Center	1	1.3v	D-SSC-1.3v	Voice Only	27386	SSC120	2	321 Golf Club Road	13693	9585	0	50	0	0
138	D-SSC	Student Services Center	1	1.4v	D-SSC-1.4v	Voice Only	27386	SSC105	2	321 Golf Club Road	13693	9585	0	50	0	0
139	D-SSC	Student Services Center	2	2.1d	D-SSC-2.1d	Data Only	27386	SSC217	2	321 Golf Club Road	13693	9585	0	0	0	0
140	D-SU	Student Union	1	1.1	D-SU-1.1	V/D	8863	SU108a	2	321 Golf Club Road	4432	3102	50	0	0	0
141	D-TB	Toilet Building	0	None	D-TB-None	Other	363		1	321 Golf Club Road	363	254	0	0	0	0
142	D-Temp29	Adaptive PE	0	None	D-Temp29-None	Other	549		1	321 Golf Club Road	549	384	0	0	0	0
143	D-WL	Womens Locker	0	None	D-WL-None	Other	4697		1	321 Golf Club Road	4697	3288	0	0	0	0
144	D-WM	Warehouse / Maintenance Bldg.	1	1.1v	D-WM-1.1v	Voice Only	23920	WM4	1	321 Golf Club Road	23920	16744	100	0	0	0
145	D-WM	Warehouse / Maintenance Bldg.	1	1.2d	D-WM-1.2d	Data Only	23920	WM3d	1	322 Golf Club Road	23920	16744	0	0	0	0
146	L-CC	College Complex	1	1.1	L-CC-1.1	Data Only	107002	Rm 130	4	2700 East Leland R	26751	18725	0	0	0	0
147	L-CC	College Complex	1	1.2	L-CC-1.2	Data Only	107002	Rm 125	4	2700 East Leland R	26751	18725	0	0	24	0
148	L-CC	College Complex	1	1.3	L-CC-1.3	V/D	107002	Facilities CC2106	4	2700 East Leland R	26751	18725	200	0	0	0
149	L-CC	College Complex	1	1.4	L-CC-1.4	Data Only	107002	CC1123 - Janitor	4	2700 East Leland R	26751	18725	0	0	0	0
150	L-CC	College Complex	2	2.1	L-CC-2.1	V/D	107002	CC2202	4	2700 East Leland R	26751	18725		50		
151	L-CC	College Complex	2	2.2	L-CC-2.2	Data Only	107002	Rm 239	4	2700 East Leland R	26751	18725				
152	L-CC	College Complex	2	2.3	L-CC-2.3	V/D	107002	CC2201 in CC230 bathro	4	2700 East Leland R	26751	18725	0	100	6	0
153	L-CC	College Complex	2	2.4	L-CC-2.4	Data Only	107002	Rm 232	4	2700 East Leland R	26751	18725	0	0	0	0
154	L-CC	College Complex	2	2.5	L-CC-2.5	Data Only	107002	Outside of rm 282	4	2700 East Leland R	26751	18725	0	0	6	0
155	L-CC	College Complex	2	2.6	L-CC-2.6	V/D	107002	Outside Rm 292	4	2700 East Leland R	26751	18725	0	50	0	0
156	L-CC	College Complex	2	2.7	L-CC-2.7	Data Only	107002	Rm229	4	2700 East Leland R	26751	18725	0	0	0	0
157	L-CC	College Complex	3	3.1	L-CC-3.1	Data Only	107002	Janitorial	4	2700 East Leland R	26751	18725	0	0	6	0
158	L-CC	College Complex	3	3.2	L-CC-3.2	Data Only	107002	Journalism lab	4	2700 East Leland R	26751	18725	0	0	0	0
159	L-CC	College Complex	3	3.3	L-CC-3.3	Data Only	107002	Near 600	4	2700 East Leland R	26751	18725	0	100	6	0
160	L-CC	College Complex	3	3.4	L-CC-3.4	V/D	107002	2702 Electrical	4	2700 East Leland R	26751	18725	0	50	6	0
161	L-CC	College Complex	3	3.5	L-CC-3.5	V/D	107002	2802 Cafeteria bathroom	4	2700 East Leland R	26751	18725	0	50	6	0
162	L-CC	College Complex	3	3.6	L-CC-3.6	Data Only	107002	Little Theater	4	2700 East Leland R	26751	18725	0	0	0	0
163	L-CC	College Complex	3	3.7	L-CC-3.7	V/D	107002	Outside Rm917	4	2700 East Leland R	26751	18725	0	50	0	0
164	L-CC	College Complex	3	3.8	L-CC-3.8	Data Only	107002	CC524	4	2700 East Leland R	26751	18725	0	0	0	0
165	L-CC	College Complex	4	4.1	L-CC-4.1	V/D	107002	CC2402	4	2700 East Leland R	26751	18725	200	0	0	0
166	L-CC	College Complex	4	4.2	L-CC-4.2	V/D	107002	CC489 Nursing	4	2700 East Leland R	26751	18725	0	200	0	0

	B	C	D	E	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1	Unique Bldg ID	Building Name From file H:\CCCCdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	OSP MM Fiber	OSP SM Fiber	Total Existing Analog Ports (from survey)	Total Existing Multiline Telephones (from survey)	10 Base-T Hub Ports (from survey)	10/100 Base-T Switch Ports (from survey)	1 Gig Switch Ports (from survey)	Total Capacity Analog Ports	Total Capacity Multiline Telephones	Total Capacity 10 Base-T Hub Ports	Total Capacity 10/100 Base-T Switch Ports	Total Capacity 1 Gig Switch Ports
112	D-PA	Performing Arts	2	2.1d	0	0	0	0	0	0	24	0	0	0	0	29
113	D-PB	Press Box	1	1.1v	0	0	2	0	0	0	0	2	0	0	0	0
114	D-PE	Physical Education Building	1	1.1v	0	0	6	26	0	0	0	6	27	0	0	14
115	D-PE1	Portable No. 1 / Classroom	0	None	0	0	0	0	0	0	0	0	0	0	0	0
116	D-PE2	Portable No. 2 / Training room	1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
117	D-PES	P.E. Storage	0	None	6	6	0	0	0	0	32	0	0	0	0	38
118	D-PO	Physical Education Offices	2	2.1	12	12	7	28	0	0	24	7	29	0	0	38
119	D-POL	Police Department	1	1.1d	0	0	0	0	0	0	50	0	0	0	0	96
120	D-PS-N	Physical Science - North	1	1.1	12	12	5	48	0	0	267	5	50	0	0	317
121	D-PS-N	Physical Science - North	2	2.1d	6	6	0	0	0	0	24	0	0	0	0	29
122	D-PS-S	Physical Science - South	1	1.1	0	0	7	46	0	0	57	8	51	0	0	90
123	D-SA	Student Activities	1	1.1d	6	6	0	0	0	0	49	0	0	0	0	77
124	D-SA	Student Activities	1	1.2v	0	0	8	45	0	0	0	8	47	0	0	0
125	D-SA	Student Activities	1	1.3d	0	0	0	0	0	0	49	0	0	0	0	77
126	D-SC1	Museum / Planetarium	1	1.1	6	6	3	13	0	0	48	3	14	0	0	58
127	D-SC2	Offices	2	2.1	6	6	6	38	0	0	24	6	40	0	0	38
128	D-SC3	Lecture (SC501)	0	None	0	0	0	0	0	0	0	0	0	0	0	0
129	D-SC4	Classroom (SC601)	0	None	0	0	0	0	0	0	0	0	0	0	0	0
130	D-SC5	Astronomy (SC701)	1	1.1d	0	0	0	0	0	0	32	0	0	0	0	38
131	D-SC6	Observatory (SC801)	0	None	0	0	0	0	0	0	0	0	0	0	0	0
132	D-SC7	Concessions (SC901)	0	None	0	0	0	0	0	0	0	0	0	0	0	0
133	D-SC8	Science Restrooms (SC401/402)	0	None	0	0	0	0	0	0	0	0	0	0	0	0
134	D-SC9	Science Utility	0	None	0	0	0	0	0	0	0	0	0	0	0	0
135	D-SSC	Student Services Center	1	1.1v	0	0	6	28	0	0	0	7	31	0	0	0
136	D-SSC	Student Services Center	1	1.2	12	12	8	48	0	0	208	9	53	0	0	400
137	D-SSC	Student Services Center	1	1.3v	0	0	4	26	0	0	0	4	29	0	0	0
138	D-SSC	Student Services Center	1	1.4v	0	0	3	42	0	0	0	3	46	0	0	0
139	D-SSC	Student Services Center	2	2.1d	6	0	0	0	0	0	141	0	0	0	0	272
140	D-SU	Student Union	1	1.1	6	6	7	19	0	0	48	7	20	0	0	58
141	D-TB	Toilet Building	0	None	0	0	0	0	0	0	0	0	0	0	0	0
142	D-Temp29	Adaptive PE	0	None	0	0	0	0	0	0	0	0	0	0	0	0
143	D-WL	Womens Locker	0	None	0	0	0	0	0	0	0	0	0	0	0	0
144	D-WM	Warehouse / Maintenance Bldg.	1	1.1v	0	0	8	39	0	0	0	8	41	0	0	0
145	D-WM	Warehouse / Maintenance Bldg.	1	1.2d	6	6	0	0	0	0	48	0	0	0	0	58
146	L-CC	College Complex	1	1.1	12	0	0	0	0	0	25	0	0	0	0	48
147	L-CC	College Complex	1	1.2	0	0	0	0	0	0	100	0	0	0	0	192
148	L-CC	College Complex	1	1.3	0	0	5	14	0	0	25	6	17	0	0	48
149	L-CC	College Complex	1	1.4	0	0	0	0	0	0	25	0	0	0	0	48
150	L-CC	College Complex	2	2.1	12		5	30	0	0	50	6	36	0	0	96
151	L-CC	College Complex	2	2.2			0	0	0	0	25	0	0	0	0	48
152	L-CC	College Complex	2	2.3	0	0	2	17	0	0	25	2	20	0	0	48
153	L-CC	College Complex	2	2.4	0	0	0	0	0	0	100	0	0	0	0	192
154	L-CC	College Complex	2	2.5	0	0	0	0	0	0	50	0	0	0	0	96
155	L-CC	College Complex	2	2.6	12	0	5	17	0	0	25	6	20	0	0	48
156	L-CC	College Complex	2	2.7	0	0	0	0	0	0	50	0	0	0	0	96
157	L-CC	College Complex	3	3.1	0	0	0	0	0	0	25	0	0	0	0	48
158	L-CC	College Complex	3	3.2	0	0	0	0	0	0	50	0	0	0	0	96
159	L-CC	College Complex	3	3.3	0	0	0	0	0	0	175	0	0	0	0	336
160	L-CC	College Complex	3	3.4	0	0	2	23	0	0	75	2	28	0	0	144
161	L-CC	College Complex	3	3.5	0	0	3	40	0	0	25	4	48	0	0	48
162	L-CC	College Complex	3	3.6	6	0	0	0	0	0	25	0	0	0	0	48
163	L-CC	College Complex	3	3.7	6	0	3	15	0	0	25	4	18	0	0	48
164	L-CC	College Complex	3	3.8	0	0	0	0	0	0	25	0	0	0	0	48
165	L-CC	College Complex	4	4.1	0	24	10	44	0	0	574	12	53	0	0	1104
166	L-CC	College Complex	4	4.2	6	0	5	23	0	0	50	6	28	0	0	96

	B	C	D	E	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ
1	Unique Bldg ID	Building Name From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Voice Growth Type (Low, Medium, or High)	Data Growth Type (Low, Medium, or High)	Assumed # of racks housing 192 ports without VoIP (Just data Ports)	Assumed # of racks housing 192 ports with VoIP (VoIP & data Ports)	Voice Node Location	Data Node Location	Sizing Calcs	Total Existing Ports in the TR	Total Ports at Capacity in the TR	This TR Capacity Falls into this Sizing Category	Expert Review	TR Type 1 = MDF 2 = IDF 3 = Voice Only 4 = Node	1 = Voice 2 = Data 3 = Both 4 = V/Passive Data 5 = Unknown	Demo or Remodel Planned? 1 = Yes 2 = No
112	D-PA	Performing Arts	2	2.1d	L	L	1	1	D-AB-2.1	D-L-1.1d		24	29	Small	IDF	Data	No
113	D-PB	Press Box	1	1.1v	L	M	0	0	D-AB-2.1	D-L-1.1d		2	2	Small	MDF	Data	No
114	D-PE	Physical Education Building	1	1.1v	L	M	0	1	D-AB-2.1	D-L-1.1d		32	33	Small	MDF	V & D	No
115	D-PE1	Portable No. 1 / Classroom	0	None	L	L	0	0	D-AB-2.1	D-L-1.1d		0	0	BLANK	MDF	V & D	No
116	D-PE2	Portable No. 2 / Training room	1	1.1	L	L	0	0	D-AB-2.1	D-L-1.1d		0	0	BLANK	MDF	V & D	No
117	D-PES	P.E. Storage	0	None	L	L	1	1	D-AB-2.1	D-L-1.1d		32	38	Small	MDF	V & D	No
118	D-PO	Physical Education Offices	2	2.1	L	L	1	1	D-AB-2.1	D-L-1.1d		59	74	Medium	MDF	V & D	No
119	D-POL	Police Department	1	1.1d	L	H	1	1	D-AB-2.1	D-L-1.1d		50	96	Medium	MDF	Data	No
120	D-PS-N	Physical Science - North	1	1.1	L	L	2	2	D-PS-N-1.1	D-L-1.1d		320	372	Large	MDF	V & D	No
121	D-PS-N	Physical Science - North	2	2.1d	L	L	1	1	D-PS-N-1.1	D-L-1.1d		24	29	Small	MDF	Data	No
122	D-PS-S	Physical Science - South	1	1.1	M	M	1	1	D-PS-N-1.1	D-L-1.1d		110	149	Medium	MDF	V & D	No
123	D-SA	Student Activities	1	1.1d	L	M	1	1	D-AB-2.1	D-L-1.1d		49	77	Medium	MDF	Data	No
124	D-SA	Student Activities	1	1.2v	L	M	0	1	D-AB-2.1	D-L-1.1d		53	55	Medium	MDF	Voice	No
125	D-SA	Student Activities	1	1.3d	L	M	1	1	D-AB-2.1	D-L-1.1d		49	77	Medium	IDF	Data	No
126	D-SC1	Museum / Planetarium	1	1.1	L	L	1	1	D-AB-2.1	D-L-1.1d		64	75	Medium	MDF	V & D	No
127	D-SC2	Offices	2	2.1	L	M	1	1	D-AB-2.1	D-L-1.1d		68	84	Medium	MDF	V & D	No
128	D-SC3	Lecture (SC501)	0	None	L	M	0	0	D-AB-2.1	D-L-1.1d		0	0	BLANK	MDF	V & D	No
129	D-SC4	Classroom (SC601)	0	None	L	M	0	0	D-AB-2.1	D-L-1.1d		0	0	BLANK	MDF	V & D	No
130	D-SC5	Astronomy (SC701)	1	1.1d	L	L	1	1	D-AB-2.1	D-L-1.1d		32	38	Small	MDF	Data	No
131	D-SC6	Observatory (SC801)	0	None	L	M	0	0	D-AB-2.1	D-L-1.1d		0	0	BLANK	MDF	V & D	No
132	D-SC7	Concessions (SC901)	0	None	L	M	0	0	D-AB-2.1	D-L-1.1d		0	0	BLANK	MDF	V & D	No
133	D-SC8	Science Restrooms (SC401/402)	0	None	L	M	0	0	D-AB-2.1	D-L-1.1d		0	0	BLANK	MDF	V & D	No
134	D-SC9	Science Utility	0	None	L	L	0	0	D-AB-2.1	D-L-1.1d		0	0	BLANK	MDF	V & D	No
135	D-SSC	Student Services Center	1	1.1v	M	H	0	1	D-AB-2.1	D-L-1.1d		34	38	Small	IDF	Voice	No
136	D-SSC	Student Services Center	1	1.2	M	H	3	3	D-AB-2.1	D-L-1.1d		264	462	Large	MDF	V & D	No
137	D-SSC	Student Services Center	1	1.3v	M	H	0	1	D-AB-2.1	D-L-1.1d		30	33	Small	IDF	Voice	No
138	D-SSC	Student Services Center	1	1.4v	M	H	0	1	D-AB-2.1	D-L-1.1d		45	49	Small	IDF	Voice	No
139	D-SSC	Student Services Center	2	2.1d	M	H	2	2	D-AB-2.1	D-L-1.1d		141	272	Medium	IDF	Data	No
140	D-SU	Student Union	1	1.1	L	L	1	1	D-AB-2.1	D-L-1.1d		74	85	Medium	MDF	V & D	No
141	D-TB	Toilet Building	0	None	L	L	0	0	D-AB-2.1	D-L-1.1d		0	0	BLANK	MDF	V & D	No
142	D-Temp29	Adaptive PE	0	None	L	L	0	0	D-AB-2.1	D-L-1.1d		0	0	BLANK	MDF	V & D	No
143	D-WL	Womens Locker	0	None	L	L	0	0	D-AB-2.1	D-L-1.1d		0	0	BLANK	MDF	V & D	No
144	D-WM	Warehouse / Maintenance Bldg.	1	1.1v	L	L	0	1	D-AB-2.1	D-L-1.1d		47	49	Small	MDF	V & D	No
145	D-WM	Warehouse / Maintenance Bldg.	1	1.2d	L	L	1	1	D-AB-2.1	D-L-1.1d		48	58	Small	MDF	V & D	No
146	L-CC	College Complex	1	1.1	H	H	1	1	L-CC-4.1	L-CC-4.1		25	48	Small	MDF	V & D	No
147	L-CC	College Complex	1	1.2	H	H	1	1	L-CC-4.1	L-CC-4.1		100	192	Medium	IDF	V & D	No
148	L-CC	College Complex	1	1.3	H	H	1	1	L-CC-4.1	L-CC-4.1		44	71	Small	MDF	V & D	No
149	L-CC	College Complex	1	1.4	H	H	1	1	L-CC-4.1	L-CC-4.1		25	48	Small	IDF	Data	No
150	L-CC	College Complex	2	2.1	H	H	1	1	L-CC-4.1	L-CC-4.1		85	138	Medium	IDF	V & D	No
151	L-CC	College Complex	2	2.2	H	H	1	1	L-CC-4.1	L-CC-4.1		25	48	Small	IDF	Data	No
152	L-CC	College Complex	2	2.3	H	H	1	1	L-CC-4.1	L-CC-4.1		44	70	Small	IDF	V & D	No
153	L-CC	College Complex	2	2.4	H	H	1	1	L-CC-4.1	L-CC-4.1		100	192	Medium	IDF	Data	No
154	L-CC	College Complex	2	2.5	H	H	1	1	L-CC-4.1	L-CC-4.1		50	96	Medium	IDF	Data	No
155	L-CC	College Complex	2	2.6	H	H	1	1	L-CC-4.1	L-CC-4.1		47	74	Small	IDF	V & D	No
156	L-CC	College Complex	2	2.7	H	H	1	1	L-CC-4.1	L-CC-4.1		50	96	Medium	IDF	Data	Yes
157	L-CC	College Complex	3	3.1	H	H	1	1	L-CC-4.1	L-CC-4.1		25	48	Small	IDF	Data	No
158	L-CC	College Complex	3	3.2	H	H	1	1	L-CC-4.1	L-CC-4.1		50	96	Medium	IDF	Data	No
159	L-CC	College Complex	3	3.3	H	H	2	2	L-CC-4.1	L-CC-4.1		175	336	Medium	IDF	V & D	No
160	L-CC	College Complex	3	3.4	H	H	1	1	L-CC-4.1	L-CC-4.1		100	174	Medium	IDF	V & D	No
161	L-CC	College Complex	3	3.5	H	H	1	1	L-CC-4.1	L-CC-4.1		68	100	Medium	IDF	V & D	No
162	L-CC	College Complex	3	3.6	H	H	1	1	L-CC-4.1	L-CC-4.1		25	48	Small	IDF	Data	No
163	L-CC	College Complex	3	3.7	H	H	1	1	L-CC-4.1	L-CC-4.1		43	70	Small	IDF	V & D	No
164	L-CC	College Complex	3	3.8	H	H	1	1	L-CC-4.1	L-CC-4.1		25	48	Small	IDF	Data	No
165	L-CC	College Complex	4	4.1	H	H	6	7	L-CC-4.1	L-CC-4.1		628	1169	Large	IDF	V & D	No
166	L-CC	College Complex	4	4.2	H	H	1	1	L-CC-4.1	L-CC-4.1		78	130	Medium	IDF	V & D	No

	B	C	D	E	AR	AS	AT	AU	AV	AW	AX
1	Unique Bldg ID	Building Name From file H:\CCCCData\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Is the Building 1 = Active 2 = Inactive 3 = Razed	Building is on the National Register Historic List (Listed, Potential, No)	Notes from Technicians and Engineers	Access Comments from the Engineers and Survey Personnel	Building Has Campus Chilled Water Y / N = CHW or No CHW	Service Area for this TR (% of square footage) on the TR Floor	Square Footage Served on the TR Floor Based on % of Service Area
112	D-PA	Performing Arts	2	2.1d	Active	No	Data only, Lobby electrical room		CHW	50%	2,657
113	D-PB	Press Box	1	1.1v	Active	No	Voice only, Press Box Electrical Room, no data		CHW	100%	223
114	D-PE	Physical Education Building	1	1.1v	Active	No	Voice only, Data fed from Men's Locker Room		CHW	100%	5,704
115	D-PE1	Portable No. 1 / Classroom	0	None	Active	No	Fed from training room		CHW	100%	6,783
116	D-PE2	Portable No. 2 / Training room	1	1.1	Active	No	inside portable #2		CHW	100%	1,156
117	D-PES	P.E. Storage	0	None	Active	No	No services		CHW	100%	589
118	D-PO	Physical Education Offices	2	2.1	Active	No	Data only, Voice comes from old boiler room		CHW	100%	-
119	D-POL	Police Department	1	1.1d	Active	No	Data only, destroyed in fire, will be replaced with		CHW	100%	10,500
120	D-PS-N	Physical Science - North	1	1.1	Active	No	Mitel remote shelf location		CHW	100%	7,079
121	D-PS-N	Physical Science - North	2	2.1d	Active	No	Data only		CHW	100%	7,079
122	D-PS-S	Physical Science - South	1	1.1	Active	No	Fed from North Building		CHW	100%	7,079
123	D-SA	Student Activities	1	1.1d	Active	No	custodial closet	In Janitor closet	CHW	50%	6,457
124	D-SA	Student Activities	1	1.2v	Active	No	Voice only, boiler rm		CHW	100%	12,914
125	D-SA	Student Activities	1	1.3d	Active	No	Kitchen storage area		CHW	50%	6,457
126	D-SC1	Museum / Planetarium	1	1.1	Active	No			CHW	100%	2,072
127	D-SC2	Offices	2	2.1	Active	No	This should be the central point for the SC build		CHW	100%	1,867
128	D-SC3	Lecture (SC501)	0	None	Active	No	Fed from Office Building (Voice Only)	Add fiber and wireless from SC Office for future	CHW	100%	813
129	D-SC4	Classroom (SC601)	0	None	Active	No	Fed from Office Building (Voice Only)	Add fiber and wireless from SC Office for future	CHW	100%	535
130	D-SC5	Astronomy (SC701)	1	1.1d	Active	No	Data only - copper data fed from other bldg		CHW	100%	1,014
131	D-SC6	Observatory (SC801)	0	None	Active	No	No data, voice???	Add fiber and wireless from SC Office for future	CHW	100%	210
132	D-SC7	Concessions (SC901)	0	None	Active	No	Fed from Office Building (Voice Only)	Add fiber and wireless from SC Office for future	CHW	100%	126
133	D-SC8	Science Restrooms (SC401/402)	0	None	Active	No	No services	Nothing needed	CHW	100%	210
134	D-SC9	Science Utility	0	None	Active	No	Data on RS232 from offices building	Add fiber and wireless from SC Office for future	CHW	100%	249
135	D-SSC	Student Services Center	1	1.1v	Active	No	Voice only, 1st floor electrical room	Wall mounted can, screwed closed	CHW	33%	3,163
136	D-SSC	Student Services Center	1	1.2	Active	No			CHW	50%	4,793
137	D-SSC	Student Services Center	1	1.3v	Active	No	Voice only	Wall mounted can, screwed closed	CHW	33%	3,163
138	D-SSC	Student Services Center	1	1.4v	Active	No	Voice only, admin office	Wall mounted can, screwed closed	CHW	33%	3,163
139	D-SSC	Student Services Center	2	2.1d	Active	No	Data only		CHW	50%	4,793
140	D-SU	Student Union	1	1.1	Active	No		Room is blocked normally	CHW	100%	3,102
141	D-TB	Toilet Building	0	None	Active	No	No services		CHW	100%	254
142	D-Temp29	Adaptive PE	0	None	Active	No	No services		CHW	100%	384
143	D-WL	Womens Locker	0	None	Active	No	Voice comes from old boiler room		CHW	100%	3,288
144	D-WM	Warehouse / Maintenance Bldg.	1	1.1v	Active	No	Voice only, gardeners shop		CHW	100%	16,744
145	D-WM	Warehouse / Maintenance Bldg.	1	1.2d	Active	No	Data only, Office storage room		CHW	100%	16,744
146	L-CC	College Complex	1	1.1	Active	No	Server room, used just for local servers and test		CHW	25%	4,681
147	L-CC	College Complex	1	1.2	Active	No	Data Center for the campus		CHW	25%	4,681
148	L-CC	College Complex	1	1.3	Active	No	Facilities area		CHW	25%	4,681
149	L-CC	College Complex	1	1.4	Active	No		In Janitor room	CHW	25%	4,681
150	L-CC	College Complex	2	2.1	Active	No	Travel lab		CHW	20%	3,745
151	L-CC	College Complex	2	2.2	Active	No	Took the picture over the wall	Room locked, no one has the key	CHW	20%	3,745
152	L-CC	College Complex	2	2.3	Active	No	Electrical, slop sink, janitor room	In janitor / Electrical room	CHW	20%	3,745
153	L-CC	College Complex	2	2.4	Active	No		Used for classroom computers only	CHW	20%	3,745
154	L-CC	College Complex	2	2.5	Active	No			CHW	20%	3,745
155	L-CC	College Complex	2	2.6	Active	No			CHW	20%	3,745
156	L-CC	College Complex	2	2.7	Active	No	Reading / Writing Center IDF	Should be colapsed into a real TR soon	CHW	20%	3,745
157	L-CC	College Complex	3	3.1	Active	No	Auto Tech Center		CHW	20%	3,745
158	L-CC	College Complex	3	3.2	Active	No	Journalism lab		CHW	20%	3,745
159	L-CC	College Complex	3	3.3	Active	No	Computer Science Lab		CHW	20%	3,745
160	L-CC	College Complex	3	3.4	Active	No	Sculpture garden	No room for a rack	CHW	20%	3,745
161	L-CC	College Complex	3	3.5	Active	No	Cafeteria	No room for a rack	CHW	20%	3,745
162	L-CC	College Complex	3	3.6	Active	No		Located over the stairs in the control room	CHW	20%	3,745
163	L-CC	College Complex	3	3.7	Active	No			CHW	20%	3,745
164	L-CC	College Complex	3	3.8	Active	No	Assessment Center		CHW	20%	3,745
165	L-CC	College Complex	4	4.1	Active	No	Main MDF, Core, WAN, routers, Mitel		CHW	50%	9,363
166	L-CC	College Complex	4	4.2	Active	No	Next to nursing lab		CHW	50%	9,363

	B	C	D	E	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM
1	Unique Bldg ID	Building Name (From file H:\CCCCdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR...)	Floor	TR ID	Additional Floor A Served	% of Additional Floor A Served	Additional Square Footage Served Floor A	Additional Floor B Served	% of Additional Floor B Served	Additional Square Footage Served Floor B	Additional Floor C Served	% of Additional Floor C Served	Additional Square Footage Served Floor C	Total Floors Served	Total Square Footage Served	Recabling Jacks Calculation (total ports * 1.5 * 1.10)	The Survey	Survey Done By?	Existing TR Width
112	D-PA	Performing Arts	2	2.1d	0	0%	-	0	0%	0	0	0%	-	0.50	2,657.43	39.60		AS	10.00
113	D-PB	Press Box	1	1.1v	0	0%	-	0	0%	0	0	0%	-	1.00	222.95	3.30		AS	7.00
114	D-PE	Physical Education Building	1	1.1v	0	0%	-	0	0%	0	0	0%	-	1.00	5,703.95	52.80		AS	10.00
115	D-PE1	Portable No. 1 / Classroom	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	6,783.00	-		AS	
116	D-PE2	Portable No. 2 / Training room	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	1,156.40	-		AS	10.00
117	D-PES	P.E. Storage	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	588.70	52.80		AS	
118	D-PO	Physical Education Offices	2	2.1	0	0%	-	0	0%	0	0	0%	-	1.00	-	97.35		AS	6.00
119	D-POL	Police Department	1	1.1d	0	0%	-	0	0%	0	0	0%	-	1.00	10,500.00	82.50		AS	
120	D-PS-N	Physical Science - North	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	7,078.63	528.00		AS	9.00
121	D-PS-N	Physical Science - North	2	2.1d	0	0%	-	0	0%	0	0	0%	-	1.00	7,078.63	39.60		AS	7.00
122	D-PS-S	Physical Science - South	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	7,078.63	181.50		AS	6.00
123	D-SA	Student Activities	1	1.1d	0	0%	-	0	0%	0	0	0%	-	0.50	6,457.15	80.85		AS	6.00
124	D-SA	Student Activities	1	1.2v	0	0%	-	0	0%	0	0	0%	-	1.00	12,914.30	87.45		AS	10.00
125	D-SA	Student Activities	1	1.3d	0	0%	-	0	0%	0	0	0%	-	0.50	6,457.15	80.85		AS	10.00
126	D-SC1	Museum / Planetarium	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	2,071.65	105.60		AS	8.00
127	D-SC2	Offices	2	2.1	0	0%	-	0	0%	0	0	0%	-	1.00	1,866.67	112.20		AS	8.00
128	D-SC3	Lecture (SC501)	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	812.70	-		AS	
129	D-SC4	Classroom (SC601)	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	534.80	-		AS	
130	D-SC5	Astronomy (SC701)	1	1.1d	0	0%	-	0	0%	0	0	0%	-	1.00	1,014.30	52.80		AS	10.00
131	D-SC6	Observatory (SC801)	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	210.00	-		AS	
132	D-SC7	Concessions (SC901)	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	126.00	-		AS	
133	D-SC8	Science Restrooms (SC401/402)	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	210.00	-		AS	
134	D-SC9	Science Utility	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	248.50	-		AS	
135	D-SSC	Student Services Center	1	1.1v	0	0%	-	0	0%	0	0	0%	-	0.33	3,163.08	56.10		AS	9.00
136	D-SSC	Student Services Center	1	1.2	0	0%	-	0	0%	0	0	0%	-	0.50	4,792.55	435.60		AS	8.00
137	D-SSC	Student Services Center	1	1.3v	0	0%	-	0	0%	0	0	0%	-	0.33	3,163.08	49.50		AS	15.00
138	D-SSC	Student Services Center	1	1.4v	0	0%	-	0	0%	0	0	0%	-	0.33	3,163.08	74.25		AS	25.00
139	D-SSC	Student Services Center	2	2.1d	0	0%	-	0	0%	0	0	0%	-	0.50	4,792.55	232.65		AS	6.00
140	D-SU	Student Union	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	3,102.05	122.10		AS	10.00
141	D-TB	Toilet Building	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	254.10	-		AS	
142	D-Temp29	Adaptive PE	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	384.30	-		AS	
143	D-WL	Womens Locker	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	3,287.90	-		AS	
144	D-WM	Warehouse / Maintenance Bldg.	1	1.1v	0	0%	-	0	0%	0	0	0%	-	1.00	16,744.00	77.55		AS	8.00
145	D-WM	Warehouse / Maintenance Bldg.	1	1.2d	0	0%	-	0	0%	0	0	0%	-	1.00	16,744.00	79.20		AS	6.00
146	L-CC	College Complex	1	1.1	0	0%	-	0	0%	0	0	0%	-	0.25	4,681.34	41.25		AS	9.00
147	L-CC	College Complex	1	1.2	0	0%	-	0	0%	0	0	0%	-	0.25	4,681.34	165.00		AS	12.00
148	L-CC	College Complex	1	1.3	0	0%	-	0	0%	0	0	0%	-	0.25	4,681.34	72.60		AS	8.00
149	L-CC	College Complex	1	1.4	0	0%	-	0	0%	0	0	0%	-	0.25	4,681.34	41.25		AS	6.00
150	L-CC	College Complex	2	2.1	0	0%	-	0	0%	0	0	0%	-	0.20	3,745.07	140.25		AS	6.00
151	L-CC	College Complex	2	2.2	0	0%	-	0	0%	0	0	0%	-	0.20	3,745.07	41.25		AS	6.00
152	L-CC	College Complex	2	2.3	0	0%	-	0	0%	0	0	0%	-	0.20	3,745.07	72.60		AS	6.00
153	L-CC	College Complex	2	2.4	0	0%	-	0	0%	0	0	0%	-	0.20	3,745.07	165.00		AS	20.00
154	L-CC	College Complex	2	2.5	0	0%	-	0	0%	0	0	0%	-	0.20	3,745.07	82.50		AS	25.00
155	L-CC	College Complex	2	2.6	0	0%	-	0	0%	0	0	0%	-	0.20	3,745.07	77.55		AS	7.00
156	L-CC	College Complex	2	2.7	0	0%	-	0	0%	0	0	0%	-	0.20	3,745.07	82.50		AS	20.00
157	L-CC	College Complex	3	3.1	0	0%	-	0	0%	0	0	0%	-	0.20	3,745.07	41.25		AS	8.00
158	L-CC	College Complex	3	3.2	0	0%	-	0	0%	0	0	0%	-	0.20	3,745.07	82.50		AS	8.00
159	L-CC	College Complex	3	3.3	0	0%	-	0	0%	0	0	0%	-	0.20	3,745.07	288.75		AS	8.00
160	L-CC	College Complex	3	3.4	0	0%	-	0	0%	0	0	0%	-	0.20	3,745.07	165.00		AS	5.00
161	L-CC	College Complex	3	3.5	0	0%	-	0	0%	0	0	0%	-	0.20	3,745.07	112.20		AS	5.00
162	L-CC	College Complex	3	3.6	0	0%	-	0	0%	0	0	0%	-	0.20	3,745.07	41.25		AS	6.00
163	L-CC	College Complex	3	3.7	0	0%	-	0	0%	0	0	0%	-	0.20	3,745.07	70.95		AS	9.00
164	L-CC	College Complex	3	3.8	0	0%	-	0	0%	0	0	0%	-	0.20	3,745.07	41.25		AS	8.00
165	L-CC	College Complex	4	4.1	0	0%	-	0	0%	0	0	0%	-	0.50	9,362.68	1,036.20		AS	12.00
166	L-CC	College Complex	4	4.2	0	0%	-	0	0%	0	0	0%	-	0.50	9,362.68	128.70		AS	6.00

	B	C	D	E	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX
1	Unique Bldg ID	Building Name From file H:\CCCCData\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Existing TR Length	Existing TR Sq. Ft.	Multifunction? (Sink, Storage, Electrical, etc.)	Can the Multifunction Be Removed?	Cable Distance Problems?	Chemical or Biohazard Area?	Is the TR on a Perimeter Wall?	Security OK?	Is the Space Shared with Other Networking People?	Terminations too High or Low?	TR contains Networking Equipment
112	D-PA	Performing Arts	2	2.1d	10.00	100.00	H2O heater	No	No	No	No	Bad	No	N/A	- - - - - - -
113	D-PB	Press Box	1	1.1v	7.00	49.00	Storage	N/A	No		No	Fair	No	N/A	- - - - - - -
114	D-PE	Physical Education Building	1	1.1v	10.00	100.00	Storage	N/A	No		No	Fair	No	N/A	- - - - - - -
115	D-PE1	Portable No. 1 / Classroom	0	None											- - - - - - -
116	D-PE2	Portable No. 2 / Training room	1	1.1	10.00	100.00	Office	No	No	No	No	Fair	No	N/A	- - - - - - -
117	D-PES	P.E. Storage	0	None											- - - - - - -
118	D-PO	Physical Education Offices	2	2.1	5.00	30.00	Storage	No	No	No	No	Fair	No	N/A	- - - - - - -
119	D-POL	Police Department	1	1.1d											- - - - - - -
120	D-PS-N	Physical Science - North	1	1.1	18.00	162.00	No	No	No	No	No	Good	No	N/A	Security - - - - - - -
121	D-PS-N	Physical Science - North	2	2.1d	10.00	70.00	Storage	No	No	No	No	Fair	No	N/A	- - - - - - -
122	D-PS-S	Physical Science - South	1	1.1	11.00	66.00	No	No	No	No	No	Good	No	N/A	- - - - - - -
123	D-SA	Student Activities	1	1.1d	10.00	60.00	Storage	No	No	No	No	Bad	No	N/A	- - - - - - -
124	D-SA	Student Activities	1	1.2v	12.00	120.00	Electrical	N/A	No		No	Bad	No	N/A	- - - - - - -
125	D-SA	Student Activities	1	1.3d	12.00	120.00	Storage	N/A	No		No	Bad	No	N/A	- - - - - - -
126	D-SC1	Museum / Planetarium	1	1.1	3.00	24.00	No	No	No	No	No	Fair	No	N/A	Security - - - - - - -
127	D-SC2	Offices	2	2.1	7.00	56.00	Electrical	No	No	No	No	Fair	No	N/A	- - - - - - -
128	D-SC3	Lecture (SC501)	0	None											- - - - - - -
129	D-SC4	Classroom (SC601)	0	None											- - - - - - -
130	D-SC5	Astronomy (SC701)	1	1.1d	14.00	140.00	Storage	No	No	No	No	Fair	No	N/A	- - - - - - -
131	D-SC6	Observatory (SC801)	0	None											- - - - - - -
132	D-SC7	Concessions (SC901)	0	None											- - - - - - -
133	D-SC8	Science Restrooms (SC401/402)	0	None											- - - - - - -
134	D-SC9	Science Utility	0	None											- - - - - - -
135	D-SSC	Student Services Center	1	1.1v	15.00	135.00	Electrical	No	No	No	No	Fair	No	N/A	Security - Mechanical - - - Fire - - -
136	D-SSC	Student Services Center	1	1.2	12.00	96.00	Storage	Yes	No	No	No	Bad	No		- - - - - - -
137	D-SSC	Student Services Center	1	1.3v	15.00	225.00	Office	N/A	No	No	No	Fair	No	N/A	- - - - - - -
138	D-SSC	Student Services Center	1	1.4v	25.00	625.00	Office	N/A	No	No	No	Fair	No	N/A	- - - - - - -
139	D-SSC	Student Services Center	2	2.1d	8.00	48.00	Storage	No	No	No	No	Fair	No	N/A	- - - - - - -
140	D-SU	Student Union	1	1.1	12.00	120.00	Electrical	No	No	No	No	Fair	No	N/A	- - - - Fire - - -
141	D-TB	Toilet Building	0	None											- - - - - - -
142	D-Temp29	Adaptive PE	0	None											- - - - - - -
143	D-WL	Womens Locker	0	None											- - - - - - -
144	D-WM	Warehouse / Maintenance Bldg.	1	1.1v	50.00	400.00	Storage	N/A	No		No	Fair	No	N/A	- - - - - - -
145	D-WM	Warehouse / Maintenance Bldg.	1	1.2d	10.00	60.00	Storage	No	No	No	No	Fair	No	N/A	- - - - - - -
146	L-CC	College Complex	1	1.1	12.00	108.00	Office	No	No	No	No	Fair	No	N/A	- - - - - - -
147	L-CC	College Complex	1	1.2	14.00	168.00	No	N/A	No	No	No	Good	No	N/A	- - - - - - -
148	L-CC	College Complex	1	1.3	12.00	96.00	Electrical	No	No	No	No	Fair	No	N/A	- - - - - - -
149	L-CC	College Complex	1	1.4	8.00	48.00	Janitor	Yes	No	No	No	Bad	No	N/A	- - - - - - -
150	L-CC	College Complex	2	2.1	7.00	42.00	Electrical	No	No	No	No	Fair	No	N/A	- - - - - - -
151	L-CC	College Complex	2	2.2	10.00	60.00	Storage	No	No	No	No	Department acc	No	N/A	- - - - - - -
152	L-CC	College Complex	2	2.3	8.00	48.00	Electrical	No	No	No	No	Bad	No	N/A	- - - - - - -
153	L-CC	College Complex	2	2.4	30.00	600.00	Classroom	No	No	No	No	Bad	No	N/A	- - - - - - -
154	L-CC	College Complex	2	2.5	10.00	250.00	Classroom	No	No	No	No	Bad	No	N/A	- - - - - - -
155	L-CC	College Complex	2	2.6	1.00	7.00	No	N/A	No	No	No	Fair	No	N/A	- - - - - - -
156	L-CC	College Complex	2	2.7	40.00	800.00	Classroom	No	No	No	No	Bad	No	N/A	- - - - - - -
157	L-CC	College Complex	3	3.1	6.00	48.00	Janitor	No	No	No	No	Bad	No	N/A	- - - - - - -
158	L-CC	College Complex	3	3.2	6.00	48.00	Office	No	No	No	No	Bad	No	N/A	- - - - - - -
159	L-CC	College Complex	3	3.3	12.00	96.00	No	N/A	No	No	No	Good	No	N/A	- - - - - - -
160	L-CC	College Complex	3	3.4	7.00	35.00	Electrical	No	No	No	No	Fair	No	N/A	- - - - - - -
161	L-CC	College Complex	3	3.5	7.00	35.00	Electrical	No	No	No	No	Fair	No	N/A	- - - - - - -
162	L-CC	College Complex	3	3.6	10.00	60.00	Other stuff	No	No	No	No	Bad	No	N/A	- - - - - - -
163	L-CC	College Complex	3	3.7	3.00	27.00	No	N/A	No	No	No	Fair	No	N/A	- - - - - - -
164	L-CC	College Complex	3	3.8	6.00	48.00	Office	No	No	No	No	Bad	No	N/A	- - - - - - -
165	L-CC	College Complex	4	4.1	18.00	216.00	No	N/A	No	No	No	Good	No	N/A	- - - - - - -
166	L-CC	College Complex	4	4.2	15.00	90.00	Storage	No	No	No	No	Bad	No	N/A	- - - - - - -

	B	C	D	E	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK
1	Unique Bldg ID	Building Name (From file H:\CCCCdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Number of Network Switches Surveyed	Access Door Type	Equipment Door Type	Floor Grade	Batteries in the Room?	Battery Ventilation to Standard?	Electrical or Other Clearance Redo TRs?	Usable TR Width	Usable TR Length	Total Usable TR Sq. Ft.	Cabinets or Racks?	Amount of Spare Rack Space	Racks Bolted to the Floor?
112	D-PA	Performing Arts	2	2.1d	1	1 - 3 X 7		Concrete	No	N/A		3	3	9	1 - Wall Swing Cabinet, 3 foot		No
113	D-PB	Press Box	1	1.1v		1 - 3 X 7		Concrete	No	N/A		3	3	9			
114	D-PE	Physical Education Building	1	1.1v		1 - 3 X 7		Tile	No	N/A		3	3	9			
115	D-PE1	Portable No. 1 / Classroom	0	None													
116	D-PE2	Portable No. 2 / Training room	1	1.1	1	1 - 3 X 7		Carpet	No	N/A		3	3	9	1 - Wall Swing Cabinet, 3 foot		N/A
117	D-PES	P.E. Storage	0	None													
118	D-PO	Physical Education Offices	2	2.1	2	1 - 3 X 7		Carpet	No	N/A		3	3	9			N/A
119	D-POL	Police Department	1	1.1d													
120	D-PS-N	Physical Science - North	1	1.1	2	1 - 3 X 7		Tile	No	N/A		9	18	162	3 - Wall Swing Cabinet, 7 foot		Yes
121	D-PS-N	Physical Science - North	2	2.1d	1	1 - 3 X 7		Tile	No	N/A		3	3	9	1 - Wall Swing Cabinet, 4 foot		N/A
122	D-PS-S	Physical Science - South	1	1.1	1	1 - 3 X 7		Tile	No	N/A		6	11	66	1 - Wall Swing Cabinet, 7 foot		Yes
123	D-SA	Student Activities	1	1.1d	1	1 - 3 X 7		Tile	No	N/A		3	3	9	1 - Standing Rack, 7 foot		Yes
124	D-SA	Student Activities	1	1.2v		1 - 3 X 7		Concrete	No	N/A		1	1	1			
125	D-SA	Student Activities	1	1.3d		1 - 3 X 7		Concrete	No	N/A		3	3	9	1 - Wall Swing Cabinet, 3 foot		No
126	D-SC1	Museum / Planetarium	1	1.1	2	1 - 3 X 7		Concrete	No	N/A		8	3	24	1 - Standing Rack, 7 foot		Yes
127	D-SC2	Offices	2	2.1	1	1 - 3 X 7		Concrete	No	N/A		3	3	9	1 - Wall Swing Cabinet, 3 foot		No
128	D-SC3	Lecture (SC501)	0	None													
129	D-SC4	Classroom (SC601)	0	None													
130	D-SC5	Astronomy (SC701)	1	1.1d	1	1 - 3 X 7		Tile	No	N/A		4	4	16	1 - Wall Swing Cabinet, 3 foot		N/A
131	D-SC6	Observatory (SC801)	0	None													
132	D-SC7	Concessions (SC901)	0	None													
133	D-SC8	Science Restrooms (SC401/402)	0	None													
134	D-SC9	Science Utility	0	None													
135	D-SSC	Student Services Center	1	1.1v		1 - 3 X 7		Concrete	No	N/A		8	3	24			
136	D-SSC	Student Services Center	1	1.2		1 - 3 X 7		Tile	No	N/A		6	6	36	1 - Standing Rack, 7 foot	1	Yes
137	D-SSC	Student Services Center	1	1.3v		1 - 3 X 7		Carpet	No	N/A		3	3	9			
138	D-SSC	Student Services Center	1	1.4v		1 - 3 X 7		Carpet	No	N/A		3	3	9			
139	D-SSC	Student Services Center	2	2.1d	2	1 - 3 X 7		Carpet	No	N/A		6	8	48	1 - Standing Rack, 7 foot	2	Yes
140	D-SU	Student Union	1	1.1	2	1 - 3 X 7		Tile	No	N/A		5	3	15	1 - Wall Swing Cabinet, 3 foot		No
141	D-TB	Toilet Building	0	None													
142	D-Temp29	Adaptive PE	0	None													
143	D-WL	Womens Locker	0	None													
144	D-WM	Warehouse / Maintenance Bldg.	1	1.1v		1 - 3 X 7		Concrete	No	N/A		3	3	9			
145	D-WM	Warehouse / Maintenance Bldg.	1	1.2d	1	1 - 3 X 7		Concrete	No	N/A		3	3	9	1 - Wall Swing Cabinet, 3 foot		N/A
146	L-CC	College Complex	1	1.1	1	1 - 3 X 7		Tile	No	N/A		8	5	40	3 - Standing Rack, 7 foot	9	Yes
147	L-CC	College Complex	1	1.2	3	1 - 3 X 7		Tile	No	N/A		12	14	168	7 - Standing Rack, 7 foot	9	Yes
148	L-CC	College Complex	1	1.3	1	1 - 3 X 7		Concrete	No	N/A		3	3	9			N/A
149	L-CC	College Complex	1	1.4	1	1 - 3 X 7		Concrete	No	N/A		3	3	9	1 - Wall Swing Cabinet, 3 foot		N/A
150	L-CC	College Complex	2	2.1	1	1 - 3 X 7		Concrete	No	N/A		3	3	9			N/A
151	L-CC	College Complex	2	2.2	1	1 - 3 X 7		Carpet	No	N/A		3	3	9			N/A
152	L-CC	College Complex	2	2.3	1	1 - 3 X 7		Concrete	No	N/A		3	3	9			N/A
153	L-CC	College Complex	2	2.4	3	1 - 3 X 7		Concrete	No	N/A		3	3	9			N/A
154	L-CC	College Complex	2	2.5	1	1 - 3 X 7		Carpet	No	N/A		3	3	9			N/A
155	L-CC	College Complex	2	2.6	1	2 - 3 X 7		Carpet	No	N/A		7	1	7			N/A
156	L-CC	College Complex	2	2.7	1	1 - 3 X 7		Carpet	No	N/A		3	3	9	1 - Wall Swing Cabinet, 3 foot		N/A
157	L-CC	College Complex	3	3.1	1	1 - 3 X 7		Concrete	No	N/A		3	3	9			N/A
158	L-CC	College Complex	3	3.2	1	1 - 3 X 7		Carpet	No	N/A		3	3	9	1 - Wall Swing Cabinet, 3 foot		No
159	L-CC	College Complex	3	3.3	5	1 - 3 X 7		Tile	No	N/A		8	12	96	4 - Standing Rack, 7 foot	7	Yes
160	L-CC	College Complex	3	3.4	2	1 - 3 X 7		Concrete	No	N/A		3	3	9	1 - Wall Swing Cabinet, 4 foot		No
161	L-CC	College Complex	3	3.5	1	1 - 3 X 7		Concrete	No	N/A		3	3	9			N/A
162	L-CC	College Complex	3	3.6	1	1 - 3 X 7		Carpet	No	N/A		3	1	3			N/A
163	L-CC	College Complex	3	3.7	1	2 - 3 X 9		Carpet	No	N/A		9	3	27			N/A
164	L-CC	College Complex	3	3.8	1	1 - 3 X 7		Carpet	No	N/A		3	3	9			N/A
165	L-CC	College Complex	4	4.1	18	1 - 3 X 7		Concrete	No	N/A		12	18	216	13 - Standing Rack, 7 foot	15	Yes
166	L-CC	College Complex	4	4.2	1	1 - 3 X 7		Carpet	No	N/A		3	3	9			N/A

	B	C	D	E	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW
1	Unique Bldg ID	Building Name (From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Racks Braced at the Top?	Racks Bonded?	Rack Notes	Lighting OK?	Existing HVAC or Ventilation Type	Is HVAC 24x7?	Room Temperature at Time of Survey	Room Dust Level at Time of Survey	20 AMP Electrical Outlets (Standard)	30 AMP Electrical Outlets (Standard)	20 AMP Electrical Outlets (Dedicated)	30 AMP Electrical Outlets (Dedicated)
112	D-PA	Performing Arts	2	2.1d	No	No		Yes	None	No	Warm	Dusty	0		2	
113	D-PB	Press Box	1	1.1v			None	Yes	None	No	Warm	Dirty	0			
114	D-PE	Physical Education Building	1	1.1v			None	Yes	None	No	Acceptable	Acceptable	0			
115	D-PE1	Portable No. 1 / Classroom	0	None												
116	D-PE2	Portable No. 2 / Training room	1	1.1	N/A	N/A	Wall mounted	No	Building Air	No	Acceptable	Acceptable	2		2	
117	D-PES	P.E. Storage	0	None												
118	D-PO	Physical Education Offices	2	2.1	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	2		2	
119	D-POL	Police Department	1	1.1d												
120	D-PS-N	Physical Science - North	1	1.1	Yes	No		Yes	None	No	HOT	Clean	0		2	
121	D-PS-N	Physical Science - North	2	2.1d	N/A	N/A	Wall mounted	Yes	None	No	Warm	Dusty	0		2	
122	D-PS-S	Physical Science - South	1	1.1	Yes	No		Yes	Building Air	No	Cool	Clean	0		2	
123	D-SA	Student Activities	1	1.1d	No	No	Wall mounted	No	None	No	Warm	Dusty	0		2	
124	D-SA	Student Activities	1	1.2v			None	Yes	None	No	HOT	Dirty	0			
125	D-SA	Student Activities	1	1.3d	No	No		No	None	No	Warm	Dirty	0			
126	D-SC1	Museum / Planetarium	1	1.1	Yes	No		No	Building Air	No	Warm	Dusty	0		4	
127	D-SC2	Offices	2	2.1	No	No		No	controlled exha	No	Warm	Dusty	0		2	
128	D-SC3	Lecture (SC501)	0	None												
129	D-SC4	Classroom (SC601)	0	None												
130	D-SC5	Astronomy (SC701)	1	1.1d	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	0		2	
131	D-SC6	Observatory (SC801)	0	None												
132	D-SC7	Concessions (SC901)	0	None												
133	D-SC8	Science Restrooms (SC401/402)	0	None												
134	D-SC9	Science Utility	0	None												
135	D-SSC	Student Services Center	1	1.1v			None	Yes	None	No	Warm	Dirty	2			
136	D-SSC	Student Services Center	1	1.2	No	No		Yes	Building Air	No	Warm	Acceptable	2			
137	D-SSC	Student Services Center	1	1.3v			None	Yes	None	No	Acceptable	Acceptable	0			
138	D-SSC	Student Services Center	1	1.4v			None	Yes	None	No	Acceptable	Acceptable	0			
139	D-SSC	Student Services Center	2	2.1d	No	No		No	None	No	Acceptable	Dusty	0		4	
140	D-SU	Student Union	1	1.1	No	No		No	Vent only	No	Warm	Dusty	0		2	
141	D-TB	Toilet Building	0	None												
142	D-Temp29	Adaptive PE	0	None												
143	D-WL	Womens Locker	0	None												
144	D-WM	Warehouse / Maintenance Bldg.	1	1.1v			None	Yes	None	No	HOT	Dirty	0			
145	D-WM	Warehouse / Maintenance Bldg.	1	1.2d	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	2		2	
146	L-CC	College Complex	1	1.1	Yes	No		No	Building Air	No	Warm	Clean	0		8	
147	L-CC	College Complex	1	1.2	Yes	Yes	Mix of cabinets and racks	No	Dedicated Air	No	Cool	Clean	0		14	6
148	L-CC	College Complex	1	1.3	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	2		0	
149	L-CC	College Complex	1	1.4	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	0		2	
150	L-CC	College Complex	2	2.1	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	0		2	
151	L-CC	College Complex	2	2.2	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	0		2	
152	L-CC	College Complex	2	2.3	N/A	N/A	Wall mounted	No	None	No	HOT	Dusty	2		2	
153	L-CC	College Complex	2	2.4	N/A	N/A	Mounted high in a wall box	No	Building Air	No	Acceptable	Acceptable	0		2	
154	L-CC	College Complex	2	2.5	N/A	N/A	Wall mounted	No	None	No	Acceptable	Dusty	0		2	
155	L-CC	College Complex	2	2.6	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	0		2	
156	L-CC	College Complex	2	2.7	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	0		2	
157	L-CC	College Complex	3	3.1	N/A	N/A	Wall mounted	No	None	No	Warm	Dirty	0		2	
158	L-CC	College Complex	3	3.2	No	No		No	Building Air	No	Warm	Acceptable	0		2	
159	L-CC	College Complex	3	3.3	Yes	No		Yes	Dedicated Air	No	Cool	Clean	0		8	2
160	L-CC	College Complex	3	3.4	No	No		No	None	No	HOT	Dusty	0		2	
161	L-CC	College Complex	3	3.5	N/A	N/A	Wall mounted	No	None	No	HOT	Dusty	0		2	
162	L-CC	College Complex	3	3.6	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty			2	
163	L-CC	College Complex	3	3.7	N/A	N/A	Wall mounted	No	None	Yes	Warm	Clean	2		0	
164	L-CC	College Complex	3	3.8	N/A	N/A	Wall mounted	No	Building Air	No	Warm	Acceptable	0		2	
165	L-CC	College Complex	4	4.1	Yes	Yes		Yes	Dedicated Air	No	Cool	Clean	0		16	12
166	L-CC	College Complex	4	4.2	N/A	N/A	Wall mounted	No	Building Air	No	Acceptable	Dusty	0		2	

	B	C	D	E	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK
1	Unique Bldg ID	Building Name	Floor	TR ID	UPS 1	UPS 2	UPS 3	UPS 4	UPS 5	Width of Used Linear Feet of Wall Space (ft.)	Height of Used Linear Wall Space (ft.)	Total Square Feet of Used Linear Wall Space (sq. ft.)	Width of Available Linear Feet of Wall Space (ft. incl. used)	Height of Available Linear Wall Space (ft. incl. used)	Total Square Feet of Available Linear Wall Space (total sq. ft.)	Grounding in the Room?	Copper Protection in Room?	TELCO MPOE in Room?
		From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR																
112	D-PA	Performing Arts	2	2.1d	1 - apc, 450 with 0 outlets											No	No	No
113	D-PB	Press Box	1	1.1v						2	2	4	3	3	9	No	No	No
114	D-PE	Physical Education Building	1	1.1v						2	3	6	3	3	9	No	No	No
115	D-PE1	Portable No. 1 / Classroom	0	None														
116	D-PE2	Portable No. 2 / Training room	1	1.1												No	No	No
117	D-PES	P.E. Storage	0	None														
118	D-PO	Physical Education Offices	2	2.1						3	4	12	3	4	12	No	No	No
119	D-POL	Police Department	1	1.1d														
120	D-PS-N	Physical Science - North	1	1.1	1 - apc, 700 with 0 outlets					4	5	20	8	5	40	No	No	No
121	D-PS-N	Physical Science - North	2	2.1d												No	No	No
122	D-PS-S	Physical Science - South	1	1.1	1 - apc, 450 with 0 outlets					2	2	4	5	5	25	No	No	No
123	D-SA	Student Activities	1	1.1d	1 - apc, 450 with 0 outlets											No	No	No
124	D-SA	Student Activities	1	1.2v						2	3	6	3	3	9	No	No	No
125	D-SA	Student Activities	1	1.3d	1 - apc, 450 with 0 outlets					2	3	6	3	3	9	No	No	No
126	D-SC1	Museum / Planetarium	1	1.1	1 - apc, 2200 with 0 outlets					2	2	4	5	5	25	No	No	No
127	D-SC2	Offices	2	2.1	1 - apc, 450 with 0 outlets					3	4	12	3	4	12	No	No	No
128	D-SC3	Lecture (SC501)	0	None														
129	D-SC4	Classroom (SC601)	0	None														
130	D-SC5	Astronomy (SC701)	1	1.1d	1 - apc, 450 with 0 outlets											No	No	No
131	D-SC6	Observatory (SC801)	0	None														
132	D-SC7	Concessions (SC901)	0	None														
133	D-SC8	Science Restrooms (SC401/402)	0	None														
134	D-SC9	Science Utility	0	None														
135	D-SSC	Student Services Center	1	1.1v						7	5	35	7	5	35	No	No	No
136	D-SSC	Student Services Center	1	1.2						4	7	28	5	7	35	No	Yes	No
137	D-SSC	Student Services Center	1	1.3v						2	3	6	3	3	9	No	No	No
138	D-SSC	Student Services Center	1	1.4v						2	3	6	3	3	9	No	No	No
139	D-SSC	Student Services Center	2	2.1d									5	4	20	No	No	No
140	D-SU	Student Union	1	1.1	1 - apc, 450 with 0 outlets					3	5	15	5	5	25	No	No	No
141	D-TB	Toilet Building	0	None														
142	D-Temp29	Adaptive PE	0	None														
143	D-WL	Womens Locker	0	None														
144	D-WM	Warehouse / Maintenance Bldg.	1	1.1v						2	3	6	3	3	9	No	No	No
145	D-WM	Warehouse / Maintenance Bldg.	1	1.2d	1 - apc, 450 with 0 outlets											No	No	No
146	L-CC	College Complex	1	1.1									5	5	25	No	Yes	No
147	L-CC	College Complex	1	1.2	2 - apc, 10000 with 0 outlets	1 - apc,	1 - apc, 40						5	5	25	No	No	No
148	L-CC	College Complex	1	1.3						3	4	12	3	4	12	No	No	No
149	L-CC	College Complex	1	1.4												No	No	No
150	L-CC	College Complex	2	2.1						3	4	12	3	4	12	No	No	No
151	L-CC	College Complex	2	2.2						3	4	12	3	4	12	No	No	No
152	L-CC	College Complex	2	2.3						3	4	12	3	4	12	No	No	No
153	L-CC	College Complex	2	2.4												No	No	No
154	L-CC	College Complex	2	2.5						3	4	12	3	4	12	No	No	No
155	L-CC	College Complex	2	2.6						3	4	12	3	4	12	No	No	No
156	L-CC	College Complex	2	2.7												No	No	No
157	L-CC	College Complex	3	3.1												No	No	No
158	L-CC	College Complex	3	3.2												No	No	No
159	L-CC	College Complex	3	3.3	2 - apc, 1400 with 0 outlets											No	No	No
160	L-CC	College Complex	3	3.4						3	4	12	3	4	12	Yes	No	No
161	L-CC	College Complex	3	3.5						3	4	12	3	4	12	Yes	No	No
162	L-CC	College Complex	3	3.6						3	4	12	3	4	12	No	No	No
163	L-CC	College Complex	3	3.7						3	3	9	3	3	9	No	No	No
164	L-CC	College Complex	3	3.8												No	No	No
165	L-CC	College Complex	4	4.1	1 - Matrix, 0 with 0 outlets	1 - apc,				19	5	95	24	5	120	Yes	Yes	No
166	L-CC	College Complex	4	4.2						3	5	15	3	5	15	No	No	No

Telecommunications Strategic Plan

	B	C	D	E	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU	DV
1	Unique Bldg ID	Building Name	Floor	TR ID	Ceiling Type?	Fire Suppression Type?	Smoke Detector Notes	Fire Rated Wall Boards	Do We Need to Recable Due to Thinnet or Cat 3?	TR Needs HVAC System Installed	Does Electrical Need to be Added to the Room?	FROM PHYSICAL SURVEYS Non-Converged	Non-Converged Required TR Square Footage	Additional Square Footage Required to Meet Non-Converged	Additional TR(s) to be Added Due to Cable Length Problems
112	D-PA	Performing Arts	2	2.1d	Lay-in	None	No	No	No	No	No	Rebuild	24	15	
113	D-PB	Press Box	1	1.1v	Hard lid	None	No	No	No	No	No	A	24	15	
114	D-PE	Physical Education Building	1	1.1v	Hard lid	None	No	No	No	No	No	A	24	15	
115	D-PE1	Portable No. 1 / Classroom	0	None								No TR			
116	D-PE2	Portable No. 2 / Training room	1	1.1	Lay-in	None	No	No	No	No	No	A	24	15	
117	D-PES	P.E. Storage	0	None								No TR			
118	D-PO	Physical Education Offices	2	2.1	Hard lid	None	No	No	No	No	No	A	30	21	
119	D-POL	Police Department	1	1.1d								None	30		
120	D-PS-N	Physical Science - North	1	1.1	Open	Sprinkler	No	No	No	Yes	No	None	64	None	
121	D-PS-N	Physical Science - North	2	2.1d	Lay-in	Sprinkler	No	No	No	Yes	No	None	24	15	
122	D-PS-S	Physical Science - South	1	1.1	Open	Sprinkler	No	No	No	No	No	None	48	None	
123	D-SA	Student Activities	1	1.1d	Hard lid	None	No	No	No	Yes	Yes	B	30	21	
124	D-SA	Student Activities	1	1.2v	Hard lid	None	No	No	No	No	No	A	30	29	
125	D-SA	Student Activities	1	1.3d	Hard lid	None	No	No	No	No	No	A	30	21	
126	D-SC1	Museum / Planetarium	1	1.1	Lay-in	None	No	No	No	No	No	None	30	6	
127	D-SC2	Offices	2	2.1	Hard lid	None	No	No	No	No	No	Rebuild	30	21	
128	D-SC3	Lecture (SC501)	0	None								No TR			
129	D-SC4	Classroom (SC601)	0	None								No TR			
130	D-SC5	Astronomy (SC701)	1	1.1d	Hard lid	None	No	No	No	No	No	A	30	14	
131	D-SC6	Observatory (SC801)	0	None								No TR			
132	D-SC7	Concessions (SC901)	0	None								No TR			
133	D-SC8	Science Restrooms (SC401/402)	0	None								No TR			
134	D-SC9	Science Utility	0	None								No TR			
135	D-SSC	Student Services Center	1	1.1v	Open	None	Yes	No	No	No	No	A	24	None	
136	D-SSC	Student Services Center	1	1.2	Lay-in	None	No	No	No	Yes	Yes	B	64	28	
137	D-SSC	Student Services Center	1	1.3v	Hard lid	None	No	No	No	No	No	A	24	15	
138	D-SSC	Student Services Center	1	1.4v	Hard lid	None	No	No	No	No	No	A	24	15	
139	D-SSC	Student Services Center	2	2.1d	Open	None	Yes	No	No	Yes	No	B	48	None	
140	D-SU	Student Union	1	1.1	Lay-in	None	No	No	No	Yes	Yes	A	48	33	
141	D-TB	Toilet Building	0	None								No TR			
142	D-Temp29	Adaptive PE	0	None								No TR			
143	D-WL	Womens Locker	0	None								No TR			
144	D-WM	Warehouse / Maintenance Bldg.	1	1.1v	Hard lid	None	No	No	No	No	No	A	30	21	
145	D-WM	Warehouse / Maintenance Bldg.	1	1.2d	Lay-in	None	No	No	No	No	No	A	30	21	
146	L-CC	College Complex	1	1.1	Open	None	No	No	No	No	No	A	24	None	
147	L-CC	College Complex	1	1.2	Open	None	No	No	No	No	No	A	48	None	
148	L-CC	College Complex	1	1.3	Open	None	No	No	No	Duct only	Yes	B	30	21	
149	L-CC	College Complex	1	1.4	Hard lid	None	No	No	No	No	No	Rebuild	24	15	
150	L-CC	College Complex	2	2.1	Lay-in	None	No	No	No	No	No	Abandon	24	15	
151	L-CC	College Complex	2	2.2	Lay-in	None	No	No	No	No	No	A	24	15	
152	L-CC	College Complex	2	2.3	Lay-in	None	No	No	No	No	No	Rebuild	30	21	
153	L-CC	College Complex	2	2.4	Lay-in	None	No	No	No	No	No	None	48	39	
154	L-CC	College Complex	2	2.5	Lay-in	None	No	No	No	No	No	Rebuild	30	21	
155	L-CC	College Complex	2	2.6	Open	None	No	No	No	Yes	Yes	B	30	23	
156	L-CC	College Complex	2	2.7	Lay-in	None	No	No	No	No	No	Abandon	30	21	
157	L-CC	College Complex	3	3.1	Open	None	No	No	No	No	No	Rebuild	24	15	
158	L-CC	College Complex	3	3.2	Open	None	No	No	No	No	No	Rebuild	30	21	
159	L-CC	College Complex	3	3.3	Open	None	No	No	No	No	No	A	64	None	
160	L-CC	College Complex	3	3.4	Lay-in	None	No	No	No	No	No	Rebuild	48	39	
161	L-CC	College Complex	3	3.5	Hard lid	None	No	No	No	No	No	Abandon	48	39	
162	L-CC	College Complex	3	3.6	Hard lid	None	No	No	No	No	No	Abandon	24	21	
163	L-CC	College Complex	3	3.7	Lay-in	Sprinkler	No	No	No	Duct only	Yes	Abandon	30	3	
164	L-CC	College Complex	3	3.8	Open	None	No	No	No	No	No	Abandon	24	15	
165	L-CC	College Complex	4	4.1	Open	None	No	No	No	No	No	A		None	
166	L-CC	College Complex	4	4.2	Open	None	No	No	No	No	No	Abandon	48	39	

	B	C	D	E	DW	DX	DY	DZ	EA	EB
1	Unique Bldg ID	Building Name (From file H:\CCCCData\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Description of Work Required for Non-Converged	FROM PHYSICAL SURVEYS Converged Solution	Required TR Square Footage of Converged	Additional Square Footage Required to Meet Converged Requirement	Additional TR(s) to Be Added Due to Cable Length Problems	Description of Work Required for Converged
112	D-PA	Performing Arts	2	2.1d	Create a room for the building, this is the electric, janitor, water heate	Rebuild	64	55		Create a room for the building, this is the electric, janit
113	D-PB	Press Box	1	1.1v	Small voice only TR, leave as is, feed data via wireless from Gym	None	48	39		Small voice only TR, leave as is, feed data via wireles
114	D-PE	Physical Education Building	1	1.1v	Small voice only TR, leave as is	Abandon	64	55		Abandon and recable for convergence
115	D-PE1	Portable No. 1 / Classroom	0	None	Fed by next door building, leave it that way	No TR				Fed by next door building, leave it that way
116	D-PE2	Portable No. 2 / Training room	1	1.1	Add enclosed wall cabinet	A	48	39		Add enclosed wall cabinet
117	D-PES	P.E. Storage	0	None	Fed by next door building, leave it that way	No TR				Fed by next door building, leave it that way
118	D-PO	Physical Education Offices	2	2.1	Add enclosed wall cabinet	A	80	71		Add enclosed wall cabinet
119	D-POL	Police Department	1	1.1d	Destroyed by fire, when rebuilt it will have its own TR	None	80			Destroyed by fire, when rebuilt it will have its own TR
120	D-PS-N	Physical Science - North	1	1.1	Good room, needs HVAC, firestop, ground racks	A	48	None		Good room, needs HVAC, firestop, ground racks
121	D-PS-N	Physical Science - North	2	2.1d	Add HVAC and cabinet fans	A	48	39		Take out the storage, install standing rack and HVAC
122	D-PS-S	Physical Science - South	1	1.1	Good room	A	64	None		Good room
123	D-SA	Student Activities	1	1.1d	Take over 1/2 room, add exit door separate room	B	80	71		Take over 1/2 room, add exit door separate room
124	D-SA	Student Activities	1	1.2v	Small voice only TR, leave as is	Abandon	80	79		Abandon and recable for convergence
125	D-SA	Student Activities	1	1.3d	Install self contained cabinet	A	48	39		Install self contained cabinet
126	D-SC1	Museum / Planetarium	1	1.1	OK room for a small TR	None	48	24		OK room for a small TR
127	D-SC2	Offices	2	2.1	Should be just an electrical room, rebuild new TR or move to a cabin	Rebuild	48	39		Should be just an electrical room, rebuild new TR or m
128	D-SC3	Lecture (SC501)	0	None	No service now, feed fiber or wireless from SC Office for future	No TR				No service now, feed fiber or wireless from SC Office
129	D-SC4	Classroom (SC601)	0	None	No service now, feed fiber or wireless from SC Office for future	No TR				No service now, feed fiber or wireless from SC Office
130	D-SC5	Astronomy (SC701)	1	1.1d	OK for data only, serves just this building, needs fiber for future	B	48	32		Section off a portion of the room and install standing c
131	D-SC6	Observatory (SC801)	0	None	No service now, feed fiber or wireless from SC Office for future	No TR				No service now, feed fiber or wireless from SC Office
132	D-SC7	Concessions (SC901)	0	None	No service now, feed fiber or wireless from SC Office for future	No TR				No service now, feed fiber or wireless from SC Office
133	D-SC8	Science Restrooms (SC401/402)	0	None	No service needed	No TR				No service needed
134	D-SC9	Science Utility	0	None	No service now, feed fiber or wireless from SC Office for future	No TR				No service now, feed fiber or wireless from SC Office
135	D-SSC	Student Services Center	1	1.1v	Small voice only TR, leave as is, clear old 1a2 equipment	Abandon	48	24		Abandon and recable for convergence
136	D-SSC	Student Services Center	1	1.2	Take over the room (or at least cage off)	B	64	28		Take over the room (or at least cage off)
137	D-SSC	Student Services Center	1	1.3v	Small voice only TR, leave as is	Abandon	48	39		Abandon and recable for convergence
138	D-SSC	Student Services Center	1	1.4v	Small voice only TR, leave as is	Abandon	48	39		Abandon and recable for convergence
139	D-SSC	Student Services Center	2	2.1d	Enclose room, add cooling, remove carpet, brace and ground rack	B	64	16		Enclose room, add cooling, remove carpet, brace and
140	D-SU	Student Union	1	1.1	Install self contained cabinet	A	48	33		Install self contained cabinet
141	D-TB	Toilet Building	0	None	No service needed	No TR				No service needed
142	D-Temp29	Adaptive PE	0	None	Fed by next door building, leave it that way	No TR				Fed by next door building, leave it that way
143	D-WL	Womens Locker	0	None	Fed by next door building, leave it that way	No TR				Fed by next door building, leave it that way
144	D-WM	Warehouse / Maintenance Bldg.	1	1.1v	Small voice only TR, leave as is	Abandon	80	71		Abandon and recable for convergence
145	D-WM	Warehouse / Maintenance Bldg.	1	1.2d	Add enclosed wall cabinet	A	80	71		Add enclosed wall cabinet
146	L-CC	College Complex	1	1.1	OK for local ports, just ground and firestop	A	80	40		OK for local ports, just ground and firestop
147	L-CC	College Complex	1	1.2	Good room, needs cleaning, clearing, and electrical management	A	80	None		Good room, needs cleaning, clearing, and electrical m
148	L-CC	College Complex	1	1.3	Add enclosed wall cabinet, secure with power inside, fix the copper s	B	80	71		Add enclosed wall cabinet, secure with power inside,
149	L-CC	College Complex	1	1.4	Rebuild one room for the building and feed everything from there	Rebuild	80	71		Rebuild one room for the building and feed everything
150	L-CC	College Complex	2	2.1	Recable to TR in other end of the floor	Abandon	80	71		Recable to TR in other end of the floor
151	L-CC	College Complex	2	2.2	Add enclosed wall cabinet	A	80	71		Add enclosed wall cabinet
152	L-CC	College Complex	2	2.3	Need new space, this is not a good place tor a TR	Rebuild	80	71		Need new space, this is not a good place tor a TR
153	L-CC	College Complex	2	2.4	Classroom data only, leave for classroom as is	None	80	71		Classroom data only, leave for classroom as is
154	L-CC	College Complex	2	2.5	Build out one room in this end of the building for all data	Rebuild	80	71		Build out one room in this end of the building for all da
155	L-CC	College Complex	2	2.6	Expand the room to the right, add rack and cooling	B	80	73		Expand the room to the right, add rack and cooling
156	L-CC	College Complex	2	2.7	Recable to the TR at this end of the building	Abandon	80	71		Recable to the TR at this end of the building
157	L-CC	College Complex	3	3.1	Rebuild TR and recable to a new TR in this area of the floor	Rebuild	80	71		Rebuild TR and recable to a new TR in this area of the
158	L-CC	College Complex	3	3.2	Rebuild one room for the building and feed everything from there	Rebuild	80	71		Rebuild one room for the building and feed everything
159	L-CC	College Complex	3	3.3	Good room, add grounding and firestop	A	80	None		Good room, add grounding and firestop
160	L-CC	College Complex	3	3.4	Rebuild one room for the building and feed everything from there	Rebuild	80	71		Rebuild one room for the building and feed everything
161	L-CC	College Complex	3	3.5	Recable to a good TR in this wing of the building	Abandon	80	71		Recable to a good TR in this wing of the building
162	L-CC	College Complex	3	3.6	Abandon TR and recable to a good TR in this area of the floor	Abandon	80	77		Abandon TR and recable to a good TR in this area of
163	L-CC	College Complex	3	3.7	Abandon TR and recable to a good TR in this area of the floor	Abandon	80	53		Abandon TR and recable to a good TR in this area of
164	L-CC	College Complex	3	3.8	Abandon TR and recable to a good TR in this area of the floor	Abandon	80	71		Abandon TR and recable to a good TR in this area of
165	L-CC	College Complex	4	4.1	Good room, firestop conduits, add fire protection	A	80	None		Good room, firestop conduits, add fire protection
166	L-CC	College Complex	4	4.2	Abandon TR and recable to a good TR in this area of the floor	Abandon	80	71		Abandon TR and recable to a good TR in this area of

	B	C	D	E	EC	ED	EE	EF	EG	EH	EI	EJ	EK
1	Unique Bldg ID	Building Name	Floor	TR ID	FROM PHYSICAL SURVEY BICSI Methodology	BICSI Required TR Square Footage	Additional Square Footage Required to Meet BICSI Requirement	Additional Number of TR(s) Due to Square Footage	Additional Number of TR(s) Due to Number of Floors	Additional TR(s) to Be Added	Description of Work Required for BICSI Methodology:	Abandon / NonConverged - TR to Rewire to…	Abandon / Converged - TR to Rewire to…
		From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR											
112	D-PA	Performing Arts	2	2.1d	Rebuild	90	81				Create a room for the building, this is the electric, janitor, water hea		
113	D-PB	Press Box	1	1.1v	None	80	71				Small voice only TR, leave as is, feed data via wireless from Gym		
114	D-PE	Physical Education Building	1	1.1v	Abandon	90	81				Abandon and recable for convergence		D-ML-1.1d
115	D-PE1	Portable No. 1 / Classroom	0	None	No TR						Fed by next door building, leave it that way		
116	D-PE2	Portable No. 2 / Training room	1	1.1	B	80	71				Enclose the room, add standing rack and UPS		
117	D-PES	P.E. Storage	0	None	No TR						Fed by next door building, leave it that way		
118	D-PO	Physical Education Offices	2	2.1	B	80	71				Enclose the room, add standing rack and UPS		
119	D-POL	Police Department	1	1.1d	None	80					Destroyed by fire, when rebuilt it will have its own TR		
120	D-PS-N	Physical Science - North	1	1.1	A	80	None				Good room, needs HVAC, firestop, ground racks		
121	D-PS-N	Physical Science - North	2	2.1d	A	80	71				Take out the storage, install standing rack and HVAC		
122	D-PS-S	Physical Science - South	1	1.1	A	90	24				Good room		
123	D-SA	Student Activities	1	1.1d	C	80	71				Take over 1/2 room, add exit door separate room		
124	D-SA	Student Activities	1	1.2v	Abandon	80	79				Abandon and recable for convergence		D-SA-1.1d
125	D-SA	Student Activities	1	1.3d	Rebuild	80	71				Build a room in the building for a proper TR		
126	D-SC1	Museum / Planetarium	1	1.1	None	80	56				OK room for a small TR		
127	D-SC2	Offices	2	2.1	Rebuild	80	71				Should be just an electrical room, rebuild new TR or move to a cabi		
128	D-SC3	Lecture (SC501)	0	None	No TR						No service now, feed fiber or wireless from SC Office for future		
129	D-SC4	Classroom (SC601)	0	None	No TR						No service now, feed fiber or wireless from SC Office for future		
130	D-SC5	Astronomy (SC701)	1	1.1d	C	80	64				Section off a portion of the room for a TR		
131	D-SC6	Observatory (SC801)	0	None	No TR						No service now, feed fiber or wireless from SC Office for future		
132	D-SC7	Concessions (SC901)	0	None	No TR						No service now, feed fiber or wireless from SC Office for future		
133	D-SC8	Science Restrooms (SC401/402)	0	None	No TR						No service needed		
134	D-SC9	Science Utility	0	None	No TR						No service now, feed fiber or wireless from SC Office for future		
135	D-SSC	Student Services Center	1	1.1v	Abandon	80	56				Abandon and recable for convergence		D-SSC-1.2
136	D-SSC	Student Services Center	1	1.2	B	110	74				Take over the room (or at least cage off)		
137	D-SSC	Student Services Center	1	1.3v	Abandon	80	71				Abandon and recable for convergence		D-SSC-1.2
138	D-SSC	Student Services Center	1	1.4v	Abandon	80	71				Abandon and recable for convergence		D-SSC-1.2
139	D-SSC	Student Services Center	2	2.1d	C	110	62				Expand room, add cooling, remove carpet, brace and ground rack		
140	D-SU	Student Union	1	1.1	Rebuild	80	65				Build a room in the building for a proper TR		
141	D-TB	Toilet Building	0	None	No TR						No service needed		
142	D-Temp29	Adaptive PE	0	None	No TR						Fed by next door building, leave it that way		
143	D-WL	Womens Locker	0	None	No TR						Fed by next door building, leave it that way		
144	D-WM	Warehouse / Maintenance Bldg.	1	1.1v	Abandon	80	71				Abandon and recable for convergence		D-WM-1.2d
145	D-WM	Warehouse / Maintenance Bldg.	1	1.2d	B	80	71				Enclose the room, add standing rack and UPS		
146	L-CC	College Complex	1	1.1	A	80	40				OK for local ports, just ground and firestop		
147	L-CC	College Complex	1	1.2	A	80	None				Good room, needs cleaning, clearing, and electrical management		
148	L-CC	College Complex	1	1.3	B	80	71				Add enclosed wall cabinet, secure with power inside, fix the copper		
149	L-CC	College Complex	1	1.4	Rebuild	80	71				Rebuild one room for the building and feed everything from there		
150	L-CC	College Complex	2	2.1	Abandon	80	71				Recable to TR in other end of the floor	L-CC-2.6	L-CC-2.6
151	L-CC	College Complex	2	2.2	B	80	71				Enclose the room, add standing rack and UPS		
152	L-CC	College Complex	2	2.3	Rebuild	80	71				Need new space, this is not a good place tor a TR		
153	L-CC	College Complex	2	2.4	None	80	71				Classroom data only, leave for classroom as is		
154	L-CC	College Complex	2	2.5	Rebuild	80	71				Build out one room in this end of the building for all data		
155	L-CC	College Complex	2	2.6	B	80	73				Expand the room to the right, add rack and cooling		
156	L-CC	College Complex	2	2.7	Abandon	80	71				Recable to the TR at this end of the building	L-CC-2.6	L-CC-2.6
157	L-CC	College Complex	3	3.1	Rebuild	80	71				Rebuild TR and recable to a new TR in this area of the floor		
158	L-CC	College Complex	3	3.2	Rebuild	80	71				Rebuild one room for the building and feed everything from there		
159	L-CC	College Complex	3	3.3	A	80	None				Good room, add grounding and firestop		
160	L-CC	College Complex	3	3.4	Rebuild	80	71				Rebuild one room for the building and feed everything from there		
161	L-CC	College Complex	3	3.5	Abandon	80	71				Recable to a good TR in this wing of the building	L-CC-3.4	L-CC-3.4
162	L-CC	College Complex	3	3.6	Abandon	80	77				Abandon TR and recable to a good TR in this area of the floor	L-CC-3.4	L-CC-3.4
163	L-CC	College Complex	3	3.7	Abandon	80	53				Abandon TR and recable to a good TR in this area of the floor	L-CC-3.4	L-CC-3.4
164	L-CC	College Complex	3	3.8	Abandon	80	71				Abandon TR and recable to a good TR in this area of the floor	L-CC-3.1	L-CC-3.1
165	L-CC	College Complex	4	4.1	A	80	None				Good room, firestop conduits, add fire protection		
166	L-CC	College Complex	4	4.2	Abandon	80	71				Abandon TR and recable to a good TR in this area of the floor	L-CC-4.1	L-CC-4.1

	B	C	D	E	EL	EM	EN
1	Unique Bldg ID	Building Name From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Abandon / BICSI - TR to Rewire to…	Remove Storage?	Survey Date
112	D-PA	Performing Arts	2	2.1d		No	08/05/08
113	D-PB	Press Box	1	1.1v		No	08/05/08
114	D-PE	Physical Education Building	1	1.1v	D-ML-1.1d	No	08/05/08
115	D-PE1	Portable No. 1 / Classroom	0	None			08/05/08
116	D-PE2	Portable No. 2 / Training room	1	1.1		No	08/05/08
117	D-PES	P.E. Storage	0	None			08/05/08
118	D-PO	Physical Education Offices	2	2.1		No	08/05/08
119	D-POL	Police Department	1	1.1d			08/05/08
120	D-PS-N	Physical Science - North	1	1.1		No	08/04/08
121	D-PS-N	Physical Science - North	2	2.1d		Yes	08/04/08
122	D-PS-S	Physical Science - South	1	1.1		No	08/04/08
123	D-SA	Student Activities	1	1.1d		No	08/05/08
124	D-SA	Student Activities	1	1.2v	D-SA-1.1d	No	08/05/08
125	D-SA	Student Activities	1	1.3d		No	08/05/08
126	D-SC1	Museum / Planetarium	1	1.1		No	08/04/08
127	D-SC2	Offices	2	2.1		No	08/04/08
128	D-SC3	Lecture (SC501)	0	None			08/04/08
129	D-SC4	Classroom (SC601)	0	None			08/04/08
130	D-SC5	Astronomy (SC701)	1	1.1d		No	08/04/08
131	D-SC6	Observatory (SC801)	0	None			08/04/08
132	D-SC7	Concessions (SC901)	0	None			08/04/08
133	D-SC8	Science Restrooms (SC401/402)	0	None			08/04/08
134	D-SC9	Science Utility	0	None			08/04/08
135	D-SSC	Student Services Center	1	1.1v	D-SSC-1.2	No	08/05/08
136	D-SSC	Student Services Center	1	1.2		Yes	08/05/08
137	D-SSC	Student Services Center	1	1.3v	D-SSC-1.2	No	08/05/08
138	D-SSC	Student Services Center	1	1.4v	D-SSC-1.2	No	08/05/08
139	D-SSC	Student Services Center	2	2.1d		No	08/05/08
140	D-SU	Student Union	1	1.1		No	08/05/08
141	D-TB	Toilet Building	0	None			08/04/08
142	D-Temp29	Adaptive PE	0	None			08/05/08
143	D-WL	Womens Locker	0	None			08/05/08
144	D-WM	Warehouse / Maintenance Bldg.	1	1.1v	D-WM-1.2d	No	08/05/08
145	D-WM	Warehouse / Maintenance Bldg.	1	1.2d		No	08/05/08
146	L-CC	College Complex	1	1.1		No	08/06/08
147	L-CC	College Complex	1	1.2		No	08/06/08
148	L-CC	College Complex	1	1.3		No	08/06/08
149	L-CC	College Complex	1	1.4		No	08/06/08
150	L-CC	College Complex	2	2.1	L-CC-2.6	No	08/06/08
151	L-CC	College Complex	2	2.2		No	08/06/08
152	L-CC	College Complex	2	2.3		No	08/06/08
153	L-CC	College Complex	2	2.4		No	08/06/08
154	L-CC	College Complex	2	2.5		No	08/06/08
155	L-CC	College Complex	2	2.6		No	08/06/08
156	L-CC	College Complex	2	2.7	L-CC-2.6	No	08/06/08
157	L-CC	College Complex	3	3.1		No	08/06/08
158	L-CC	College Complex	3	3.2		No	08/06/08
159	L-CC	College Complex	3	3.3		No	08/06/08
160	L-CC	College Complex	3	3.4		No	08/06/08
161	L-CC	College Complex	3	3.5	L-CC-3.4	No	08/06/08
162	L-CC	College Complex	3	3.6	L-CC-3.4	No	08/06/08
163	L-CC	College Complex	3	3.7	L-CC-3.4	No	08/06/08
164	L-CC	College Complex	3	3.8	L-CC-3.1	No	08/06/08
165	L-CC	College Complex	4	4.1		No	08/06/08
166	L-CC	College Complex	4	4.2	L-CC-4.1	No	08/06/08

	B	C	D	E	EO	EP	EQ	ER	ES	ET	EU	EV	EW	EX	EY	EZ	FA	FB
1	Unique Bldg ID	Building Name From file H:\CCCCdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database xls (sorted by consolidated TR	Floor	TR ID	Photo Number	Photo Note	Remove Janitor?	Building Serviced by Generator?	OSP MM Fiber Stands Installed	OSP MM Fiber Stands Used	OSP MM Fiber Stands Available	ISP MM Fiber Strands Installed	ISP MM Fiber Strands Used	ISP MM Fiber Strands Available	OSP Single Mode Strands Installed	OSP Single Mode Strands Used	OSP Single Mode Strands Available	ISP Single Mode Strands Installed
112	D-PA	Performing Arts	2	2.1d	File 5 pix 36 thru 37		No	No	0	0	0	6	2	4	0	0	0	0
113	D-PB	Press Box	1	1.1v	File 5 pix 52		No	No	0	0	0	0	0	0	0	0	0	0
114	D-PE	Physical Education Building	1	1.1v	File 5 pix 56		No	No	0	0	0	0	0	0	0	0	0	0
115	D-PE1	Portable No. 1 / Classroom	0	None	File 5 pix 0	None			0	0	0	0	0	0	0	0	0	0
116	D-PE2	Portable No. 2 / Training room	1	1.1	File 5 pix 63 thru 64		No	No	6	2	4	0	0	0	6	0	6	0
117	D-PES	P.E. Storage	0	None	File 5 pix 0	None			0	0	0	0	0	0	0	0	0	0
118	D-PO	Physical Education Offices	2	2.1	File 5 pix 60 thru 61		No	No	12	8	4	0	0	0	12	0	12	0
119	D-POL	Police Department	1	1.1d	File 5 pix 0	None			0	0	0	0	0	0	0	0	0	0
120	D-PS-N	Physical Science - North	1	1.1	File 4 pix 53 thru 54		No	No	12	8	4	0	0	0	12	0	12	0
121	D-PS-N	Physical Science - North	2	2.1d	File 4 pix 49 thru 50		No	No	6	2	4	0	0	0	0	0	0	0
122	D-PS-S	Physical Science - South	1	1.1	File 4 pix 51 thru 52		No	No	6	2	4	0	0	0	0	0	0	0
123	D-SA	Student Activities	1	1.1d	File 5 pix 27 thru 28		Yes	No	6	4	2	0	0	0	6	0	6	0
124	D-SA	Student Activities	1	1.2v	File 5 pix 29		No	No	0	0	0	0	0	0	0	0	0	0
125	D-SA	Student Activities	1	1.3d	File 5 pix 53 thru 54		No	No	0	0	0	0	0	0	0	0	0	0
126	D-SC1	Museum / Planetarium	1	1.1	File 4 pix 47 thru 48		No	No	6	2	4	0	0	0	6	0	6	0
127	D-SC2	Offices	2	2.1	File 4 pix 43 thru 44		No	No	6	2	4	0	0	0	0	0	0	0
128	D-SC3	Lecture (SC501)	0	None	File 4 pix 0	No TR			0	0	0	0	0	0	0	0	0	0
129	D-SC4	Classroom (SC601)	0	None	File 4 pix 0	No TR			0	0	0	0	0	0	0	0	0	0
130	D-SC5	Astronomy (SC701)	1	1.1d	File 4 pix 45 thru 46		No	No	0	0	0	0	0	0	0	0	0	0
131	D-SC6	Observatory (SC801)	0	None	File 4 pix 0	No TR			0	0	0	0	0	0	0	0	0	0
132	D-SC7	Concessions (SC901)	0	None	File 4 pix 0	No TR			0	0	0	0	0	0	0	0	0	0
133	D-SC8	Science Restrooms (SC401/402)	0	None	File 4 pix 0	No TR			0	0	0	0	0	0	0	0	0	0
134	D-SC9	Science Utility	0	None	File 4 pix 0	No TR			0	0	0	0	0	0	0	0	0	0
135	D-SSC	Student Services Center	1	1.1v	File 5 pix 23 thru 24		No	No	0	0	0	0	0	0	0	0	0	0
136	D-SSC	Student Services Center	1	1.2	File 5 pix 19 thru 20		No	No	12	6	6	0	0	0	12	0	12	0
137	D-SSC	Student Services Center	1	1.3v	File 5 pix 22		No	No	0	0	0	0	0	0	0	0	0	0
138	D-SSC	Student Services Center	1	1.4v	File 5 pix 21		No	No	0	0	0	0	0	0	0	0	0	0
139	D-SSC	Student Services Center	2	2.1d	File 5 pix 25 thru 26		No	No	0	0	0	6	2	4	0	0	0	0
140	D-SU	Student Union	1	1.1	File 5 pix 40 thru 41		No	No	6	2	4	0	0	0	6	0	6	0
141	D-TB	Toilet Building	0	None	File 4 pix 0	No TR			0	0	0	0	0	0	0	0	0	0
142	D-Temp29	Adaptive PE	0	None	File 5 pix 0	None			0	0	0	0	0	0	0	0	0	0
143	D-WL	Womens Locker	0	None	File 5 pix 0	None			0	0	0	0	0	0	0	0	0	0
144	D-WM	Warehouse / Maintenance Bldg.	1	1.1v	File 5 pix 58		No	No	0	0	0	0	0	0	0	0	0	0
145	D-WM	Warehouse / Maintenance Bldg.	1	1.2d	File 5 pix 57		No	No	6	2	4	0	0	0	6	0	6	0
146	L-CC	College Complex	1	1.1	File 6 pix 21		No	No	0	0	0	12	4	8	0	0	0	0
147	L-CC	College Complex	1	1.2	File 6 pix 22 thru 25		No	No	0	0	0	24	4	20	0	0	0	0
148	L-CC	College Complex	1	1.3	File 6 pix 18 thru 20		No	No	0	0	0	0	0	0	0	0	0	0
149	L-CC	College Complex	1	1.4	File 6 pix 26 thru 27		No	No	0	0	0	0	0	0	0	0	0	0
150	L-CC	College Complex	2	2.1	File 6 pix 37 thru 38		No	No	0	0	0	12	2	10	0	0	0	0
151	L-CC	College Complex	2	2.2	File 6 pix 32 thru 33		No	No	0	0	0	0	0	0	0	0	0	0
152	L-CC	College Complex	2	2.3	File 6 pix 28 thru 29		No	No	6	0	6	0	0	0	0	0	0	0
153	L-CC	College Complex	2	2.4	File 6 pix 30 thru 31		No	No	0	0	0	0	0	0	0	0	0	0
154	L-CC	College Complex	2	2.5	File 6 pix 34 thru 35		No	No	0	0	0	6	2	4	0	0	0	0
155	L-CC	College Complex	2	2.6	File 6 pix 36		No	No	0	0	0	12	6	6	0	0	0	0
156	L-CC	College Complex	2	2.7	File 6 pix 39 thru 40		No	No	0	0	0	0	0	0	0	0	0	0
157	L-CC	College Complex	3	3.1	File 6 pix 55 thru 56		No	No	0	0	0	0	0	0	0	0	0	0
158	L-CC	College Complex	3	3.2	File 6 pix 52 thru 53		No	No	0	0	0	0	0	0	0	0	0	0
159	L-CC	College Complex	3	3.3	File 6 pix 47 thru 49		No	No	6	4	2	0	0	0	0	0	0	0
160	L-CC	College Complex	3	3.4	File 6 pix 41 thru 42		No	No	0	0	0	6	2	4	0	0	0	0
161	L-CC	College Complex	3	3.5	File 6 pix 43 thru 44		No	No	0	0	0	6	2	4	0	0	0	0
162	L-CC	College Complex	3	3.6	File 6 pix 50 thru 51		No	No	0	0	0	6	4	2	0	0	0	0
163	L-CC	College Complex	3	3.7	File 6 pix 45 thru 46		No	No	0	0	0	6	2	4	0	0	0	0
164	L-CC	College Complex	3	3.8	File 6 pix 54		No	No	0	0	0	0	0	0	0	0	0	0
165	L-CC	College Complex	4	4.1	File 6 pix 58 thru 61		No	No	0	0	0	0	0	0	12	2	10	0
166	L-CC	College Complex	4	4.2	File 6 pix 62 thru 63		No	No	12	2	10	6	0	6	12	0	12	0

	B	C	D	E	FC	FD	FE	FF	FG	FH	FI	FJ	FK	FL	FM	FN	FO	FP
1	Unique Bldg ID	Building Name (From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	ISP Single Mode Strands Used	ISP Single Mode Strands Available	Voice Copper Riser Count	Voice Copper Riser Pairs Used	Voice Copper Riser % Spare	Network Ports Available (surveyed)	Network Ports Used (surveyed)	Network Ports % Spare (surveyed)	Building OSP Copper Count	Building OSP Copper Pairs Used	Building OSP Copper % Spare	Add Riser Conduit Because Existing Is Full?	CATV Trunk Cable? Where Is It Located?	CATV Rg6 Cable? Where Is It Located?
112	D-PA	Performing Arts	2	2.1d	0	0	0	0		24	18	25%	0	0		No	No	No
113	D-PB	Press Box	1	1.1v	0	0	0	0		0	0		6	2	67%	No	No	No
114	D-PE	Physical Education Building	1	1.1v	0	0	0	0		0	0		25	19	24%	No	No	No
115	D-PE1	Portable No. 1 / Classroom	0	None	0	0	0	0		0	0		0	0				
116	D-PE2	Portable No. 2 / Training room	1	1.1	0	0	0	0		32	31	3%	0	0		No	No	No
117	D-PES	P.E. Storage	0	None	0	0	0	0		0	0		0	0				
118	D-PO	Physical Education Offices	2	2.1	0	0	0	0		24	23	4%	0	0		No	No	No
119	D-POL	Police Department	1	1.1d	0	0	0	0		0	0		0	0				
120	D-PS-N	Physical Science - North	1	1.1	0	0	0	0		264	247	6%	0	0		Yes	No	No
121	D-PS-N	Physical Science - North	2	2.1d	0	0	0	0		48	47	2%	0	0		Yes	No	No
122	D-PS-S	Physical Science - South	1	1.1	0	0	0	0		56	52	7%	0	0		Yes	No	No
123	D-SA	Student Activities	1	1.1d	0	0	0	0		48	29	40%	0	0		Yes	No	No
124	D-SA	Student Activities	1	1.2v	0	0	0	0		0	0		50	40	20%	Yes	No	No
125	D-SA	Student Activities	1	1.3d	0	0	0	0		0	0		0	0		Yes	No	No
126	D-SC1	Museum / Planetarium	1	1.1	0	0	0	0		48	16	67%	25	8	68%	No	No	No
127	D-SC2	Offices	2	2.1	0	0	0	0		24	22	8%	100	35	65%	No	No	No
128	D-SC3	Lecture (SC501)	0	None	0	0	0	0		0	0		0	0				
129	D-SC4	Classroom (SC601)	0	None	0	0	0	0		0	0		0	0				
130	D-SC5	Astronomy (SC701)	1	1.1d	0	0	0	0		32	28	13%	0	0		No	No	No
131	D-SC6	Observatory (SC801)	0	None	0	0	0	0		0	0		0	0				
132	D-SC7	Concessions (SC901)	0	None	0	0	0	0		0	0		0	0				
133	D-SC8	Science Restrooms (SC401/402)	0	None	0	0	0	0		0	0		0	0				
134	D-SC9	Science Utility	0	None	0	0	0	0		0	0		0	0				
135	D-SSC	Student Services Center	1	1.1v	0	0	0	0		0	0		200	22	89%	Yes	No	No
136	D-SSC	Student Services Center	1	1.2	0	0	0	0		200	165	18%	100	45	55%	Yes	No	No
137	D-SSC	Student Services Center	1	1.3v	0	0	50	12	76%	0	0		0	0		Yes	No	No
138	D-SSC	Student Services Center	1	1.4v	0	0	50	22	56%	0	0		0	0		Yes	No	No
139	D-SSC	Student Services Center	2	2.1d	0	0	0	0		136	106	22%	0	0		Yes	No	No
140	D-SU	Student Union	1	1.1	0	0	0	0		48	46	4%	50	19	62%	No		
141	D-TB	Toilet Building	0	None	0	0	0	0		0	0		0	0				
142	D-Temp29	Adaptive PE	0	None	0	0	0	0		0	0		0	0				
143	D-WL	Womens Locker	0	None	0	0	0	0		0	0		0	0				
144	D-WM	Warehouse / Maintenance Bldg.	1	1.1v	0	0	0	0		0	0		100	40	60%	No	No	No
145	D-WM	Warehouse / Maintenance Bldg.	1	1.2d	0	0	0	0		48	29	40%	0	0		No	No	No
146	L-CC	College Complex	1	1.1	0	0	0	0		24	20	17%	0	0		Yes	No	No
147	L-CC	College Complex	1	1.2	0	0	0	0		96	81	16%	0	0		Yes	No	No
148	L-CC	College Complex	1	1.3	0	0	0	0		24	20	17%	200	20	90%	Yes	No	No
149	L-CC	College Complex	1	1.4	0	0	0	0		24	20	17%	0	0		Yes	No	No
150	L-CC	College Complex	2	2.1	0	0	0	0		48	46	4%	0	0		Yes	No	No
151	L-CC	College Complex	2	2.2	0	0	0	0		24	20	17%	0	0		Yes	No	No
152	L-CC	College Complex	2	2.3	0	0	100	22	78%	24	24	0%	0	0		Yes	No	No
153	L-CC	College Complex	2	2.4	0	0	0	0		96	90	6%	0	0		Yes	No	No
154	L-CC	College Complex	2	2.5	0	0	0	0		48	46	4%	0	0		Yes	No	No
155	L-CC	College Complex	2	2.6	0	0	50	15	70%	48	25	48%	0	0		Yes	No	No
156	L-CC	College Complex	2	2.7	0	0	0	0		48	38	21%	0	0		Yes	No	No
157	L-CC	College Complex	3	3.1	0	0	0	0		24	23	4%	0	0		Yes	No	No
158	L-CC	College Complex	3	3.2	0	0	0	0		48	35	27%	0	0		Yes	No	No
159	L-CC	College Complex	3	3.3	0	0	0	0		336	321	4%	0	0		Yes	No	No
160	L-CC	College Complex	3	3.4	0	0	50	25	50%	72	37	49%	0	0		Yes	No	No
161	L-CC	College Complex	3	3.5	0	0	50	48	4%	24	3	88%	0	0		Yes	No	No
162	L-CC	College Complex	3	3.6	0	0	0	0		24	16	33%	0	0		Yes	No	No
163	L-CC	College Complex	3	3.7	0	0	50	18	64%	24	17	29%	0	0		Yes	Yes	Yes
164	L-CC	College Complex	3	3.8	0	0	0	0		24	24	0%	0	0		Yes	No	No
165	L-CC	College Complex	4	4.1	0	0	0	0		552	276	50%	200	75	63%	Yes	Yes	Yes
166	L-CC	College Complex	4	4.2	0	0	200	30	85%	48	25	48%	0	0		Yes	No	No

	B	C	D	E	FQ	FR	FS	FT	FU	FV	FW	FX	FY	FZ	GA
1	Unique Bldg ID	Building Name From file H:\CCCCdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Wireless Access Equipment in TR Such as In-line Power Equip.	Fire / Life Safety Equip. in the TR?	Security & Alarm Systems in the TR?	Energy Management Systems (SCADA) in the TR?	Campus Card Access Systems?	Fire, Police, or Health Safety Systems in the TR?	EOC Network Equipment in the TR?	C.P.E. Network Equipment?	Old Broadband Cable in the Room	Notes About the TR Urgency	Are Conduits Fire Stopped?
112	D-PA	Performing Arts	2	2.1d											No
113	D-PB	Press Box	1	1.1v											No
114	D-PE	Physical Education Building	1	1.1v											No
115	D-PE1	Portable No. 1 / Classroom	0	None											
116	D-PE2	Portable No. 2 / Training room	1	1.1											No
117	D-PES	P.E. Storage	0	None											
118	D-PO	Physical Education Offices	2	2.1											No
119	D-POL	Police Department	1	1.1d											
120	D-PS-N	Physical Science - North	1	1.1											No
121	D-PS-N	Physical Science - North	2	2.1d											No
122	D-PS-S	Physical Science - South	1	1.1											No
123	D-SA	Student Activities	1	1.1d											No
124	D-SA	Student Activities	1	1.2v											No
125	D-SA	Student Activities	1	1.3d											No
126	D-SC1	Museum / Planetarium	1	1.1											No
127	D-SC2	Offices	2	2.1											No
128	D-SC3	Lecture (SC501)	0	None											
129	D-SC4	Classroom (SC601)	0	None											
130	D-SC5	Astronomy (SC701)	1	1.1d											No
131	D-SC6	Observatory (SC801)	0	None											
132	D-SC7	Concessions (SC901)	0	None											
133	D-SC8	Science Restrooms (SC401/402)	0	None											
134	D-SC9	Science Utility	0	None											
135	D-SSC	Student Services Center	1	1.1v			Siemens	Andover							No
136	D-SSC	Student Services Center	1	1.2											No
137	D-SSC	Student Services Center	1	1.3v											No
138	D-SSC	Student Services Center	1	1.4v											No
139	D-SSC	Student Services Center	2	2.1d											No
140	D-SU	Student Union	1	1.1											No
141	D-TB	Toilet Building	0	None											
142	D-Temp29	Adaptive PE	0	None											
143	D-WL	Womens Locker	0	None											
144	D-WM	Warehouse / Maintenance Bldg.	1	1.1v											No
145	D-WM	Warehouse / Maintenance Bldg.	1	1.2d											No
146	L-CC	College Complex	1	1.1											Yes
147	L-CC	College Complex	1	1.2											Yes
148	L-CC	College Complex	1	1.3											No
149	L-CC	College Complex	1	1.4											No
150	L-CC	College Complex	2	2.1											No
151	L-CC	College Complex	2	2.2											No
152	L-CC	College Complex	2	2.3											No
153	L-CC	College Complex	2	2.4											No
154	L-CC	College Complex	2	2.5											No
155	L-CC	College Complex	2	2.6											No
156	L-CC	College Complex	2	2.7											No
157	L-CC	College Complex	3	3.1											No
158	L-CC	College Complex	3	3.2											No
159	L-CC	College Complex	3	3.3											Yes
160	L-CC	College Complex	3	3.4											No
161	L-CC	College Complex	3	3.5											No
162	L-CC	College Complex	3	3.6											No
163	L-CC	College Complex	3	3.7											No
164	L-CC	College Complex	3	3.8											No
165	L-CC	College Complex	4	4.1											No
166	L-CC	College Complex	4	4.2											No

	B	C	D	E	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
1	Unique Bldg ID	Building Name From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Category of TR Urgency	Difficulty of Horizontal Cabling (Easy, Medium, or Hard)	Cat 5 for Data (Yes/No)	Number of Cat 5 Cables	Number of Cat 5 Used	Retermination of Good Data Cable is needed	% of Cable That Is Cat 5E or Better	Expected Year for Infrastructure Work	DRAWING PROBLEMS	Time Stamp
112	D-PA	Performing Arts	2	2.1d		Hard				No	100%			10:54 AM
113	D-PB	Press Box	1	1.1v		Easy				No	0%			1:32 PM
114	D-PE	Physical Education Building	1	1.1v		Easy				No	0%			2:00 PM
115	D-PE1	Portable No. 1 / Classroom	0	None		Easy				No	0%			11:42 AM
116	D-PE2	Portable No. 2 / Training room	1	1.1		Easy				No	100%			2:36 PM
117	D-PES	P.E. Storage	0	None		Easy				No	0%			2:38 PM
118	D-PO	Physical Education Offices	2	2.1		Easy				Yes	100%			2:25 PM
119	D-POL	Police Department	1	1.1d		Easy				No	0%			11:29 AM
120	D-PS-N	Physical Science - North	1	1.1		Easy				No	100%			2:53 PM
121	D-PS-N	Physical Science - North	2	2.1d		Easy				No	100%			2:40 PM
122	D-PS-S	Physical Science - South	1	1.1		Easy				No	100%			2:46 PM
123	D-SA	Student Activities	1	1.1d		Hard				Yes	100%			10:15 AM
124	D-SA	Student Activities	1	1.2v		Hard				No	0%			10:22 AM
125	D-SA	Student Activities	1	1.3d		Hard				No	100%			1:39 PM
126	D-SC1	Museum / Planetarium	1	1.1		Hard				No	100%			2:32 PM
127	D-SC2	Offices	2	2.1		Hard				Yes	100%			2:02 PM
128	D-SC3	Lecture (SC501)	0	None		Hard				No	0%			2:20 PM
129	D-SC4	Classroom (SC601)	0	None		Hard				No	0%			2:20 PM
130	D-SC5	Astronomy (SC701)	1	1.1d		Hard				No	100%			2:10 PM
131	D-SC6	Observatory (SC801)	0	None		Hard				No	0%			2:20 PM
132	D-SC7	Concessions (SC901)	0	None		Hard				No	0%			2:20 PM
133	D-SC8	Science Restrooms (SC401/402)	0	None		Hard				No	0%			2:22 PM
134	D-SC9	Science Utility	0	None		Hard				No	0%			2:21 PM
135	D-SSC	Student Services Center	1	1.1v		Easy				No	0%			9:57 AM
136	D-SSC	Student Services Center	1	1.2		Easy				No	100%			9:43 AM
137	D-SSC	Student Services Center	1	1.3v		Easy				No	0%			9:51 AM
138	D-SSC	Student Services Center	1	1.4v		Easy				No	0%			9:47 AM
139	D-SSC	Student Services Center	2	2.1d		Medium				Yes	100%			10:05 AM
140	D-SU	Student Union	1	1.1		Hard				Yes	100%			11:14 AM
141	D-TB	Toilet Building	0	None		Hard				No	0%			2:22 PM
142	D-Temp29	Adaptive PE	0	None		Easy				No	0%			2:38 PM
143	D-WL	Womens Locker	0	None		Easy				No	0%			2:38 PM
144	D-WM	Warehouse / Maintenance Bldg.	1	1.1v		Hard				No	0%			2:10 PM
145	D-WM	Warehouse / Maintenance Bldg.	1	1.2d		Easy				Yes	100%			2:05 PM
146	L-CC	College Complex	1	1.1		Easy				No	100%			11:05 AM
147	L-CC	College Complex	1	1.2		Easy				No	100%			11:16 AM
148	L-CC	College Complex	1	1.3		Easy				No	100%			10:59 AM
149	L-CC	College Complex	1	1.4		Medium				No	100%			11:27 AM
150	L-CC	College Complex	2	2.1		Easy				No	100%			12:03 PM
151	L-CC	College Complex	2	2.2		Medium				No	100%			11:45 AM
152	L-CC	College Complex	2	2.3		Medium				No	0%			11:33 AM
153	L-CC	College Complex	2	2.4		Medium				No	100%			11:37 AM
154	L-CC	College Complex	2	2.5		Medium				No	100%			11:51 AM
155	L-CC	College Complex	2	2.6		Medium				No	100%			11:57 AM
156	L-CC	College Complex	2	2.7		Medium				No	100%			1:59 PM
157	L-CC	College Complex	3	3.1		Medium				No	100%			3:03 PM
158	L-CC	College Complex	3	3.2		Medium				No	100%			2:55 PM
159	L-CC	College Complex	3	3.3		Easy				No	100%			2:32 PM
160	L-CC	College Complex	3	3.4		Medium				No	100%			2:08 PM
161	L-CC	College Complex	3	3.5		Medium				No	100%			2:14 PM
162	L-CC	College Complex	3	3.6		Medium				No	100%			2:49 PM
163	L-CC	College Complex	3	3.7		Easy				No	100%			2:23 PM
164	L-CC	College Complex	3	3.8		Medium				No	100%			3:00 PM
165	L-CC	College Complex	4	4.1		Medium				No	100%			3:17 PM
166	L-CC	College Complex	4	4.2		Medium				No	100%			3:23 PM

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Unique Bldg ID	Building Name	Floor	TR ID	Consolidated TR ID	Voice Only, Data Only, V/D, V/PassiveD	Gross Sq. Ft. for the Building	Client TR Room No.	Number of Floors in the Building	Street Address	Gross Sq. Ft. for the Floor	Assignable Sq. Ft. for the Floor	OSP Copper	Riser Copper	Riser MM Fiber	Riser SM Fiber
		From file H:\CCCCData\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR														
167	L-CDC	Child Study Center	1	1.1	L-CDC-1.1	V/D	11501	Electrical Room	2	2700 East Leland R	5751	4025	50	0	0	0
168	L-CDC	Child Study Center	1	1.1	L-CDC-1.2	Data Only	11501	CSC114 Electrical Roor	2	2700 East Leland R	5751	4025	0	0	0	0
169	L-EL	EETEC	1	1.1	L-EL-1.1	V/D	21228	New portable	1	2700 East Leland R	21228	14860	25	0	0	6
170	L-GA	Graphic Arts Lab	1	1.1	L-GA-1.1	V/D	1277		1	2700 East Leland R	1277	894	0	0	0	0
171	L-G	Gymnasium	0	None	L-G-None	Other	19016		1	2700 East Leland R	19016	13311	0	0	0	0
172	L-HC	Honors Center	1	1.1	L-HC-1.1	V/D	826		1	2700 East Leland R	826	578	0	0	0	0
173	L-L	Library	1	1.1	L-L-1.1	V/D	14806		3	2700 East Leland R	4935	3455	0	0	0	0
174	L-LR	Learning Resource II, III, and IV	1	1.1	L-LR-1.1	V/D	12740	middle of the College C	4	2700 East Leland R	3185	2230	0	0	0	0
175	L-MA	Math	1	1.1	L-MA-1.1	V/D	10339	MA126	1	2701 East Leland R	10339	7237	100	0	0	0
176	L-MA	Math	2	2.1	L-MA-2.1	V/D	10339	MA203	1	2701 East Leland R	10339	7237	0	100	36	12
177	L-MU	Music	0	None	L-MU-None	Other	10339		1	2701 East Leland R	10339	7237	0	0	0	0
178	L-PEB	PE Press Box	0	None	L-PEB-None	Other	192		1	2700 East Leland R	192	134	0	0	0	0
179	L-PEC	Concessions	0	None	L-PEC-None	Other	341		1	2700 East Leland R	341	239	0	0	0	0
180	L-PED	Dance	0	None	L-PED-None	Other	1740		1	2700 East Leland R	1740	1218	0	0	0	0
181	L-PE	Pool Equipment	0	None	L-PE-None	Other	696		1	2700 East Leland R	696	487	0	0	0	0
182	L-PEO	PE Offices	1	1.1	L-PEO-1.1	V/D	10339	PE1010	1	2700 East Leland R	10339	7237	50	0	0	4
183	L-PET	PE Training Complex	1	1.1	L-PET-1.1	V/D	1740	n Electrical Rm PE106	1	2700 East Leland R	1740	1218	25	0	0	0
184	L-PEW	Weights	0	None	L-PEW-None	Other	1740		1	2700 East Leland R	1740	1218	0	0	0	0
185	L-PS	Offices of Instruction	1	1.1	L-PS-1.1	Data Only	3789		2	2700 East Leland R	1895	1326	0	0	0	0
186	L-PS	Offices of Instruction	1	1.2	L-PS-1.2	Data Only	3789		2	2700 East Leland R	1895	1326	0	0	0	0
187	L-SC	Science	1	1.1	L-SC-1.1	V/D	21228	SC1108	3	2702 East Leland R	7076	4953	100	0	0	0
188	L-SC	Science	2	2.1	L-SC-2.1	V/D	21228	SC2207	3	2702 East Leland R	7076	4953	0	100	24	12
189	L-U	Utility Building	1	1.1v	L-U-1.1v	Voice Only	5000	Chiller room -UB150	1	2700 East Leland R	5000	3500	4	0	0	0
190	M-EC	District Office	1	1.1	M-EC-1.1	V/D	21228	Phone room	5	500 Court Street	4246	2972	200	0	0	0
191	M-EC	District Office	3	3.1v	M-EC-3.1v	Voice Only	21228		5	500 Court Street	4246	2972	0	0	0	0
192	M-EC	District Office	3	3.2	M-EC-3.2	V/D	21228		5	500 Court Street	4246	2972	0	0	0	0
193	M-EC	District Office	4	4.1	M-EC-4.1	V/D	21228	Hallway	5	500 Court Street	4246	2972	0	100	6	0
194	M-EC	District Office	5	5.1	M-EC-5.1	V/D	21228	Hallway	5	500 Court Street	4246	2972	0	100	6	0
195	M-EC	District Office	6	6.1	M-EC-6.1	V/D	21228	Hallway	5	500 Court Street	4246	2972	0	100	6	0
196	S-CP	Central Plant	1	1.1	S-CP-1.1	V/D	6000	108	1	1690 Watermill Roa	6000	4200	100	0	0	0
197	S-EB	East Building	1	1.1	S-EB-1.1	V/D	47457	180	2	1690 Watermill Roa	23729	16610	200	0	0	0
198	S-EB	East Building	1	1.2	S-EB-1.2	V/D	47457	189	2	1690 Watermill Roa	23729	16610	0	100	24	12
199	S-EB	East Building	2	2.1	S-EB-2.1	V/D	47457	233	2	1690 Watermill Roa	23729	16610	0	100	24	12
200	S-WB	West Building	1	1.1	S-WB-1.1	V/D	47457	105	2	1690 Watermill Roa	23729	16610	300	0	0	0
201	S-WB	West Building	2	2.1	S-WB-2.1	V/D	47457	201	2	1690 Watermill Roa	23729	16610	100	0	24	12
202																

	B	C	D	E	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1	Unique Bldg ID	Building Name	Floor	TR ID	OSP MM Fiber	OSP SM Fiber	Total Existing Analog Ports (from survey)	Total Existing Multiline Telephones (from survey)	10 Base-T Hub Ports (from survey)	10/100 Base-T Switch Ports (from survey)	1 Gig Switch Ports (from survey)	Total Capacity Analog Ports	Total Capacity Multiline Telephones	Total Capacity 10 Base-T Hub Ports	Total Capacity 10/100 Base-T Switch Ports	Total Capacity 1 Gig Switch Ports
167	L-CDC	Child Study Center	1	1.1	6	0	2	15	0	0	24	2	16	0	0	29
168	L-CDC	Child Study Center	1	1.1	6	0	0	0	0	0	24	0	0	0	0	29
169	L-EL	EETEC	1	1.1	0	0	0	3	0	0	10	0	3	0	0	16
170	L-GA	Graphic Arts Lab	1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
171	L-G	Gymnasium	0	None	0	0	0	3	0	0	48	0	3	0	0	58
172	L-HC	Honors Center	1	1.1	0	0	0	5	0	0	24	0	5	0	0	29
173	L-L	Library	1	1.1	24	12	10	80	0	0	269	11	84	0	0	422
174	L-LR	Learning Resource II, III, and IV	1	1.1	0	0	5	36	0	0	82	5	38	0	0	128
175	L-MA	Math	1	1.1	36	12	2	22	0	0	97	2	23	0	0	115
176	L-MA	Math	2	2.1	0	0	1	1	0	0	145	1	1	0	0	173
177	L-MU	Music	0	None	0	0	0	0	0	0	0	0	0	0	0	0
178	L-PEB	PE Press Box	0	None	0	0	0	0	0	0	0	0	0	0	0	0
179	L-PEC	Concessions	0	None	0	0	0	0	0	0	0	0	0	0	0	0
180	L-PED	Dance	0	None	0	0	0	0	0	0	0	0	0	0	0	0
181	L-PE	Pool Equipment	0	None	0	0	0	0	0	0	0	0	0	0	0	0
182	L-PEO	PE Offices	1	1.1	0	0	2	8	0	0	24	2	8	0	0	29
183	L-PET	PE Training Complex	1	1.1	6	0	0	2	0	0	49	0	2	0	0	77
184	L-PEW	Weights	0	None	0	0	0	0	0	0	0	0	0	0	0	0
185	L-PS	Offices of Instruction	1	1.1	6	0	0	0	0	0	24	0	0	0	0	38
186	L-PS	Offices of Instruction	1	1.2	0	0	0	0	0	0	24	0	0	0	0	38
187	L-SC	Science	1	1.1	12	36	3	18	0	0	150	4	22	0	0	288
188	L-SC	Science	2	2.1	0	0	2	18	0	0	100	2	22	0	0	192
189	L-U	Utility Building	1	1.1v	0	0	2	0	0	0	0	2	0	0	0	0
190	M-EC	District Office	1	1.1	0	0	12	50	0	0	12	13	53	0	0	24
191	M-EC	District Office	3	3.1v	0	0	0	50	0	0	0	0	53	0	0	0
192	M-EC	District Office	3	3.2	0	24	0	2	0	0	162	0	2	0	0	312
193	M-EC	District Office	4	4.1	0	0	5	30	0	0	62	5	32	0	0	120
194	M-EC	District Office	5	5.1	0	0	5	30	0	0	50	5	32	0	0	96
195	M-EC	District Office	6	6.1	0	0	5	25	0	0	25	5	26	0	0	48
196	S-CP	Central Plant	1	1.1	0	48	6	10	0	0	8	6	11	0	0	10
197	S-EB	East Building	1	1.1	0	0	6	20	0	0	145	7	22	0	0	173
198	S-EB	East Building	1	1.2	0	0	0	6	0	0	145	0	7	0	0	173
199	S-EB	East Building	2	2.1	0	0	0	15	0	0	97	0	17	0	0	115
200	S-WB	West Building	1	1.1	48	12	10	121	0	0	121	11	132	0	0	144
201	S-WB	West Building	2	2.1	0	0	0	22	0	0	121	0	24	0	0	144
202																

From file H:\CCCCdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR

	B	C	D	E	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ
	A																	
1	Unique Bldg ID	Building Name From file H:\CCCCdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Voice Growth Type (Low, Medium, or High)	Data Growth Type (Low, Medium, or High)	Assumed # of racks housing 192 ports without VoIP (Just data Ports)	Assumed # of racks housing 192 ports with VoIP (VoIP & data Ports)	Voice Node Location	Data Node Location	Sizing Calcs	Total Existing Ports in the TR	Total Ports at Capacity in the TR	This TR Capacity Falls into this Sizing Category	Expert Review	TR Type 1 = MDF 2 = IDF 3 = Voice Only 4 = Node	1 = Voice 2 = Data 3 = Both 4 = V/Passive Data 5 = Unknown	Demo or Remodel Planned? 1 = Yes 2 = No
167	L-CDC	Child Study Center	1	1.1	L	L	1	1	L-CC-4.1	L-CC-4.1		41	47	Small		MDF	V & D	No
168	L-CDC	Child Study Center	1	1.1	L	L	1	1	L-CC-4.1	L-CC-4.1		24	29	Small		MDF	V & D	No
169	L-EL	EETEC	1	1.1	M	M	1	1	L-CC-4.1	L-CC-4.1		13	19	Small		MDF	V & D	No
170	L-GA	Graphic Arts Lab	1	1.1	L	L	0	0	L-CC-4.1	L-CC-4.1		0	0	BLANK		MDF	V & D	No
171	L-G	Gymnasium	0	None	L	M	1	1	L-CC-4.1	L-CC-4.1		51	61	Medium		MDF	V & D	No
172	L-HC	Honors Center	1	1.1	L	L	1	1	L-CC-4.1	L-CC-4.1		29	34	Small		MDF	V & D	No
173	L-L	Library	1	1.1	L	M	3	3	L-L-1.1	L-CC-4.1		359	517	Large		MDF	V & D	No
174	L-LR	Learning Resource II, III, and IV	1	1.1	L	M	1	1	L-CC-4.1	L-CC-4.1		123	171	Medium		MDF	V & D	No
175	L-MA	Math	1	1.1	L	L	1	1	L-L-1.1	L-CC-4.1		121	140	Medium		MDF	V & D	No
176	L-MA	Math	2	2.1	L	L	1	1	L-L-1.1	L-CC-4.1		147	175	Medium		IDF	V & D	No
177	L-MU	Music	0	None	L	M	0	0	L-CC-4.1	L-CC-4.1		0	0	BLANK		MDF	V & D	No
178	L-PEB	PE Press Box	0	None	L	L	0	0	L-CC-4.1	L-CC-4.1		0	0	BLANK		MDF	V & D	No
179	L-PEC	Concessions	0	None	L	L	0	0	L-CC-4.1	L-CC-4.1		0	0	BLANK		MDF	V & D	No
180	L-PED	Dance	0	None	L	L	0	0	L-CC-4.1	L-CC-4.1		0	0	BLANK		MDF	V & D	No
181	L-PE	Pool Equipment	0	None	L	L	0	0	L-CC-4.1	L-CC-4.1		0	0	BLANK		MDF	V & D	No
182	L-PEO	PE Offices	1	1.1	L	L	1	1	L-CC-4.1	L-CC-4.1		34	39	Small		MDF	V & D	No
183	L-PET	PE Training Complex	1	1.1	L	M	1	1	L-CC-4.1	L-CC-4.1		51	79	Medium		MDF	V & D	No
184	L-PEW	Weights	0	None	L	L	0	0	L-CC-4.1	L-CC-4.1		0	0	BLANK		MDF	V & D	No
185	L-PS	Offices of Instruction	1	1.1	M	M	1	1	L-CC-4.1	L-CC-4.1		24	38	Small		MDF	Data	No
186	L-PS	Offices of Instruction	1	1.2	M	M	1	1	L-CC-4.1	L-CC-4.1		24	38	Small		IDF	V & D	No
187	L-SC	Science	1	1.1	H	H	2	2	L-L-1.1	L-CC-4.1		171	314	Medium		MDF	V & D	No
188	L-SC	Science	2	2.1	H	H	1	2	L-L-1.1	L-CC-4.1		120	216	Medium		IDF	V & D	No
189	L-U	Utility Building	1	1.1v	L	L	0	0	L-CC-4.1	L-CC-4.1		2	2	Small		MDF	Voice	No
190	M-EC	District Office	1	1.1	L	H	1	1	M-EC-1.1	M-EC-3.2		74	90	Medium		MDF	V & D	No
191	M-EC	District Office	3	3.1v	L	H	0	1	M-EC-1.1	M-EC-3.2		50	53	Medium		IDF	Voice	No
192	M-EC	District Office	3	3.2	L	H	2	2	M-EC-1.1	M-EC-3.2		164	314	Medium		MDF	V & D	No
193	M-EC	District Office	4	4.1	L	H	1	1	M-EC-1.1	M-EC-3.2		97	157	Medium		IDF	V & D	No
194	M-EC	District Office	5	5.1	L	H	1	1	M-EC-1.1	M-EC-3.2		85	133	Medium		IDF	V & D	No
195	M-EC	District Office	6	6.1	L	H	1	1	M-EC-1.1	M-EC-3.2		55	79	Medium		IDF	V & D	No
196	S-CP	Central Plant	1	1.1	L	L	1	1	S-EB-1.1	S-EB-1.1		24	27	Small		MDF	V & D	No
197	S-EB	East Building	1	1.1	M	L	1	2	S-EB-1.1	S-EB-1.1		171	202	Medium		MDF	V & D	No
198	S-EB	East Building	1	1.2	M	L	1	1	S-EB-1.1	S-EB-1.1		151	180	Medium		IDF	V & D	No
199	S-EB	East Building	2	2.1	M	L	1	1	S-EB-1.1	S-EB-1.1		112	132	Medium		IDF	V & D	No
200	S-WB	West Building	1	1.1	M	L	1	2	S-EB-1.1	S-EB-1.1		252	287	Large		MDF	V & D	No
201	S-WB	West Building	2	2.1	M	L	1	1	S-EB-1.1	S-EB-1.1		143	168	Medium		IDF	V & D	No
202																		

	B	C	D	E	AR	AS	AT	AU	AV	AW	AX
1	Unique Bldg ID	Building Name From file H:\CCCCdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Is the Building 1 = Active 2 = Inactive 3 = Razed	Building is on the National Register Historic List (Listed, Potential, No)	Notes from Technicians and Engineers	Access Comments from the Engineers and Survey Personnel	Building Has Campus Chilled Water Y / N = CHW or No CHW	Service Area for this TR (% of square footage) on the TR Floor	Square Footage Served on the TR Floor Based on % of Service Area
167	L-CDC	Child Study Center	1	1.1	Active	No	In electrical room		CHW	50%	2,013
168	L-CDC	Child Study Center	1	1.1	Active	No	In electrical room	Older building	CHW	50%	2,013
169	L-EL	EETEC	1	1.1	Active	No	New portable building being installed now		CHW	100%	14,860
170	L-GA	Graphic Arts Lab	1	1.1	Active	No	Being demoed soon	Wall mounted in classroom area	CHW	100%	894
171	L-G	Gymnasium	0	None	Active	No	Fed from PE building		CHW	100%	13,311
172	L-HC	Honors Center	1	1.1	Active	No	Switch is laying on the ceiling tile	No access, separate alarm	CHW	100%	578
173	L-L	Library	1	1.1	Active	No	Also has a Mitel node		CHW	100%	3,455
174	L-LR	Learning Resource II, III, and IV	1	1.1	Active	No	Being remodeled, new design has 1 TR		CHW	100%	2,230
175	L-MA	Math	1	1.1	Active	No			CHW	100%	7,237
176	L-MA	Math	2	2.1	Active	No			CHW	100%	7,237
177	L-MU	Music	0	None	Active	No	Fed from L-CC-3.4 directly		CHW	100%	7,237
178	L-PEB	PE Press Box	0	None	Active	No	No services, needs future fiber, Bond will pay fo		CHW	100%	134
179	L-PEC	Concessions	0	None	Active	No	No services, needs future fiber, Bond will pay fo		CHW	100%	239
180	L-PED	Dance	0	None	Active	No	No services, needs future fiber, Bond will pay fo		CHW	100%	1,218
181	L-PE	Pool Equipment	0	None	Active	No	No services, needs future fiber		CHW	100%	487
182	L-PEO	PE Offices	1	1.1	Active	No	In one of the offices		CHW	100%	7,237
183	L-PET	PE Training Complex	1	1.1	Active	No	Includes Men's lockers, Women's lockers, and tr		CHW	100%	1,218
184	L-PEW	Weights	0	None	Active	No	No services, needs future fiber, Bond will pay fo		CHW	100%	1,218
185	L-PS	Offices of Instruction	1	1.1	Active	No	Rm 4101 Electrical room		CHW	100%	1,326
186	L-PS	Offices of Instruction	1	1.2	Active	No	In EMT lab		CHW	100%	1,326
187	L-SC	Science	1	1.1	Active	No			CHW	50%	2,477
188	L-SC	Science	2	2.1	Active	No			CHW	50%	2,477
189	L-U	Utility Building	1	1.1v	Active	No	Voice only		CHW	100%	3,500
190	M-EC	District Office	1	1.1	Active	No	Fix splicing, need more room for PBX systrems a		CHW	100%	2,972
191	M-EC	District Office	3	3.1v	Active	No	Voice only		CHW	100%	2,972
192	M-EC	District Office	3	3.2	Active	No	Data Center, core for entire district, backup tape	Inbound fiber is 24 strand SM from Telco	CHW	100%	2,972
193	M-EC	District Office	4	4.1	Active	No	Voice and data		CHW	100%	2,972
194	M-EC	District Office	5	5.1	Active	No	Voice and data		CHW	100%	2,972
195	M-EC	District Office	6	6.1	Active	No	Voice and data, 1 WAP		CHW	100%	2,972
196	S-CP	Central Plant	1	1.1	Active	No			CHW	100%	4,200
197	S-EB	East Building	1	1.1	Active	No	Node and PBX location		CHW	50%	8,305
198	S-EB	East Building	1	1.2	Active	No	IDF location		CHW	50%	8,305
199	S-EB	East Building	2	2.1	Active	No			CHW	100%	16,610
200	S-WB	West Building	1	1.1	Active	No			CHW	100%	16,610
201	S-WB	West Building	2	2.1	Active	No			CHW	100%	16,610
202											

	B	C	D	E	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM
1	Unique Bldg ID	Building Name From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Additional Floor A Served	% of Additional Floor A Served	Additional Square Footage Served Floor A	Additional Floor B Served	% of Additional Floor B Served	Additional Square Footage Served Floor B	Additional Floor C Served	% of Additional Floor C Served	Additional Square Footage Served Floor C	Total Floors Served	Total Square Footage Served	Recabling Jacks Calculation (total ports * 1.5 * 1.10)	The Survey	Survey Done By?	Existing TR Width
167	L-CDC	Child Study Center	1	1.1	0	0%	-	0	0%	0	0	0%	-	0.50	2,012.68	67.65		AS	10.00
168	L-CDC	Child Study Center	1	1.1	0	0%	-	0	0%	0	0	0%	-	0.50	2,012.68	39.60		AS	10.00
169	L-EL	EETEC	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	14,859.60	21.45		AS	
170	L-GA	Graphic Arts Lab	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	893.90	-		AS	10.00
171	L-G	Gymnasium	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	13,311.20	84.15		AS	12.00
172	L-HC	Honors Center	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	578.20	47.85		AS	12.00
173	L-L	Library	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	3,454.73	592.35		AS	9.00
174	L-LR	Learning Resource II, III, and IV	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	2,229.50	202.95		AS	
175	L-MA	Math	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	7,237.30	199.65		AS	9.00
176	L-MA	Math	2	2.1	0	0%	-	0	0%	0	0	0%	-	1.00	7,237.30	242.55		AS	9.00
177	L-MU	Music	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	7,237.30	-		AS	
178	L-PEB	PE Press Box	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	134.40	-		AS	
179	L-PEC	Concessions	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	238.70	-		AS	
180	L-PED	Dance	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	1,218.00	-		AS	
181	L-PE	Pool Equipment	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	487.20	-		AS	
182	L-PEO	PE Offices	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	7,237.30	56.10		AS	8.00
183	L-PET	PE Training Complex	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	1,218.00	84.15		AS	6.00
184	L-PEW	Weights	0	None	0	0%	-	0	0%	0	0	0%	-	1.00	1,218.00	-		AS	
185	L-PS	Offices of Instruction	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	1,326.15	39.60		AS	6.00
186	L-PS	Offices of Instruction	1	1.2	0	0%	-	0	0%	0	0	0%	-	1.00	1,326.15	39.60		AS	12.00
187	L-SC	Science	1	1.1	0	0%	-	0	0%	0	0	0%	-	0.50	2,476.60	282.15		AS	9.00
188	L-SC	Science	2	2.1	0	0%	-	0	0%	0	0	0%	-	0.50	2,476.60	198.00		AS	9.00
189	L-U	Utility Building	1	1.1v	0	0%	-	0	0%	0	0	0%	-	1.00	3,500.00	3.30		AS	25.00
190	M-EC	District Office	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	2,971.92	122.10		AS	7.00
191	M-EC	District Office	3	3.1v	0	0%	-	0	0%	0	0	0%	-	1.00	2,971.92	82.50		AS	6.00
192	M-EC	District Office	3	3.2	0	0%	-	0	0%	0	0	0%	-	1.00	2,971.92	270.60		AS	20.00
193	M-EC	District Office	4	4.1	0	0%	-	0	0%	0	0	0%	-	1.00	2,971.92	160.05		AS	6.00
194	M-EC	District Office	5	5.1	0	0%	-	0	0%	0	0	0%	-	1.00	2,971.92	140.25		AS	6.00
195	M-EC	District Office	6	6.1	0	0%	-	0	0%	0	0	0%	-	1.00	2,971.92	90.75		AS	6.00
196	S-CP	Central Plant	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	4,200.00	39.60		AS	6.00
197	S-EB	East Building	1	1.1	0	0%	-	0	0%	0	0	0%	-	0.50	8,304.98	282.15		AS	12.00
198	S-EB	East Building	1	1.2	0	0%	-	0	0%	0	0	0%	-	0.50	8,304.98	249.15		AS	10.00
199	S-EB	East Building	2	2.1	0	0%	-	0	0%	0	0	0%	-	1.00	16,609.95	184.80		AS	10.00
200	S-WB	West Building	1	1.1	0	0%	-	0	0%	0	0	0%	-	1.00	16,609.95	415.80		AS	10.00
201	S-WB	West Building	2	2.1	0	0%	-	0	0%	0	0	0%	-	1.00	16,609.95	235.95		AS	10.00
202																			

	B	C	D	E	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX
1	Unique Bldg ID	Building Name	Floor	TR ID	Existing TR Length	Existing TR Sq. Ft.	Multifunction? (Sink, Storage, Electrical, etc.)	Can the Multifunction Be Removed?	Cable Distance Problems?	Chemical or Biohazard Area?	Is the TR on a Perimeter Wall?	Security OK?	Is the Space Shared with Other Networking People?	Terminations too High or Low?	TR contains Networking Equipment
167	L-CDC	Child Study Center	1	1.1	10.00	100.00	Electrical	No	No	No	No	Fair	No	N/A	- - - - - - -
168	L-CDC	Child Study Center	1	1.1	10.00	100.00	Electrical	No	No	No	No	Fair	No	N/A	- - - - - - -
169	L-EL	EETEC	1	1.1											- - - - - - -
170	L-GA	Graphic Arts Lab	1	1.1	10.00	100.00	No	No	No	No	No	Fair	No	N/A	- - - - - - -
171	L-G	Gymnasium	0	None											- - - - - - -
172	L-HC	Honors Center	1	1.1	12.00	144.00	Office	No	No	No	No	Department acc	No	N/A	- - - - - - -
173	L-L	Library	1	1.1	12.00	108.00	No	N/A	No	No	No	Good	No	N/A	- - - CATV - - - -
174	L-LR	Learning Resource II, III, and IV	1	1.1											- - - - - - -
175	L-MA	Math	1	1.1	12.00	108.00	Storage	Yes	No	No	No	Good	No	N/A	- - - - - - -
176	L-MA	Math	2	2.1	10.00	90.00	No	N/A	No	No	No	Good	No	N/A	- - - - - - -
177	L-MU	Music	0	None											- - - - - - -
178	L-PEB	PE Press Box	0	None											- - - - - - -
179	L-PEC	Concessions	0	None											- - - - - - -
180	L-PED	Dance	0	None											- - - - - - -
181	L-PE	Pool Equipment	0	None											- - - - - - -
182	L-PEO	PE Offices	1	1.1	9.00	72.00	Office	No	No	No	No	Fair	No	N/A	- - - - - - -
183	L-PET	PE Training Complex	1	1.1	8.00	48.00	Storage	Yes	No	No	No	Bad	No	N/A	- - - - - - -
184	L-PEW	Weights	0	None											- - - - - - -
185	L-PS	Offices of Instruction	1	1.1	10.00	60.00	Electrical	No	No	No	No	Fair	No	N/A	- - - - - - -
186	L-PS	Offices of Instruction	1	1.2	20.00	240.00	Office	No	No	No	No	Fair	No	N/A	- - - - - - -
187	L-SC	Science	1	1.1	12.00	108.00	No	N/A	No	No	No	Good	No	N/A	- - - - - - -
188	L-SC	Science	2	2.1	12.00	108.00	No	N/A	No	No	No	Good	No	N/A	- - - - - - -
189	L-U	Utility Building	1	1.1v	25.00	625.00	Storage	N/A	No		No	Fair	No	N/A	- - - - - - -
190	M-EC	District Office	1	1.1	12.00	84.00	Storage	No	No	No	No	Bad	No	N/A	Security - - - - - - -
191	M-EC	District Office	3	3.1v	1.00	6.00	No	N/A	No	No	No	Good	No	N/A	- - - - - - -
192	M-EC	District Office	3	3.2	36.00	720.00	No	N/A	No	No	No	Good	No	N/A	- - - - - - -
193	M-EC	District Office	4	4.1	0.50	3.00	No	N/A	No	No	No	Fair	No	N/A	- - - - - - -
194	M-EC	District Office	5	5.1	0.50	3.00	No	N/A	No	No	No	Fair	No	N/A	- - - - - - -
195	M-EC	District Office	6	6.1	0.50	3.00	No	N/A	No	No	No	Fair	No	N/A	- - - - - - -
196	S-CP	Central Plant	1	1.1	10.00	60.00	No	N/A	No	No	No	Good	No	N/A	- - - - - - -
197	S-EB	East Building	1	1.1	14.00	168.00	No	N/A	No	No	Yes	Good	No	N/A	- - - - - - -
198	S-EB	East Building	1	1.2	11.00	110.00	No	N/A	No	No	No	Good	No	N/A	- - - - - - -
199	S-EB	East Building	2	2.1	11.00	110.00	No	N/A	No	No	No	Good	No	N/A	- - - - - - -
200	S-WB	West Building	1	1.1	14.00	140.00	No	N/A	No	No	No	Good	No	N/A	- - - - - - -
201	S-WB	West Building	2	2.1	11.00	110.00	No	N/A	No	No	No	Good	No	N/A	- - - - - - -
202															

Note in header cell: From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR

	B	C	D	E	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK
1	Unique Bldg ID	Building Name From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Number of Network Switches Surveyed	Access Door Type	Equipment Door Type	Floor Grade	Batteries in the Room?	Battery Ventilation to Standard?	Electrical or Other Clearance Redo TRs?	Usable TR Width	Usable TR Length	Total Usable TR Sq. Ft.	Cabinets or Racks?	Amount of Spare Rack Space	Racks Bolted to the Floor?
167	L-CDC	Child Study Center	1	1.1	1	1 - 3 X 7		Concrete	No	N/A		5	4	20			N/A
168	L-CDC	Child Study Center	1	1.1	1	1 - 3 X 7		Concrete	No	N/A		5	4	20			N/A
169	L-EL	EETEC	1	1.1													
170	L-GA	Graphic Arts Lab	1	1.1	1	1 - 3 X 7		Carpet	No	N/A		5	4	20			N/A
171	L-G	Gymnasium	0	None													
172	L-HC	Honors Center	1	1.1	1	1 - 3 X 7		Carpet	No	N/A							N/A
173	L-L	Library	1	1.1	6	1 - 3 X 7		Concrete	No	N/A		9	12	108	3 - Standing Rack, 7 foot	9	Yes
174	L-LR	Learning Resource II, III, and IV	1	1.1													
175	L-MA	Math	1	1.1	2	1 - 3 X 7		Concrete	No	N/A		9	12	108	2 - Standing Rack, 7 foot	5	Yes
176	L-MA	Math	2	2.1	3	1 - 3 X 7		Concrete	No	N/A		9	10	90	2 - Standing Rack, 7 foot	9	Yes
177	L-MU	Music	0	None													
178	L-PEB	PE Press Box	0	None													
179	L-PEC	Concessions	0	None													
180	L-PED	Dance	0	None													
181	L-PE	Pool Equipment	0	None													
182	L-PEO	PE Offices	1	1.1	1	1 - 3 X 7		Carpet	No	N/A		1	1	1			N/A
183	L-PET	PE Training Complex	1	1.1	2	1 - 3 X 7		Tile	No	N/A		3	3	9			N/A
184	L-PEW	Weights	0	None													
185	L-PS	Offices of Instruction	1	1.1	1	1 - 3 X 7		Concrete	No	N/A		3	3	9	1 - Wall Swing Cabinet, 3 foot		No
186	L-PS	Offices of Instruction	1	1.2	1	1 - 3 X 7		Concrete	No	N/A		3	3	9			N/A
187	L-SC	Science	1	1.1	3	1 - 3 X 7		Concrete	No	N/A		9	12	108	2 - Standing Rack, 7 foot	9	Yes
188	L-SC	Science	2	2.1	3	1 - 3 X 7		Concrete	No	N/A		9	12	108	2 - Standing Rack, 7 foot	9	Yes
189	L-U	Utility Building	1	1.1v		1 - 3 X 7		Concrete	No	N/A		3	3	9			
190	M-EC	District Office	1	1.1	1	1 - 3 X 7		Tile	No	N/A		7	12	84	2 - Standing Rack, 7 foot		Yes
191	M-EC	District Office	3	3.1v		2 - 3 X 7		Carpet	No	N/A		6	1	6			
192	M-EC	District Office	3	3.2	7	4 - 3 X 7		Raised	No	N/A		20	36	720	16 - Standing Cabinet, 7 foot	10	No
193	M-EC	District Office	4	4.1	3	2 - 3 X 7		Carpet	No	N/A		6	0.5	3			
194	M-EC	District Office	5	5.1	2	2 - 3 X 7		Carpet	No	N/A		6	0.5	3			
195	M-EC	District Office	6	6.1	1	2 - 3 X 7		Carpet	No	N/A		6	0.5	3			
196	S-CP	Central Plant	1	1.1	1	1 - 3 X 7		Concrete	No	N/A		6	10	60	1 - Standing Rack, 7 foot	3	Yes
197	S-EB	East Building	1	1.1	6	1 - 3 X 7		Concrete	No	N/A		12	14	168	12 - Standing Rack, 7 foot	5	Yes
198	S-EB	East Building	1	1.2	1	1 - 3 X 7		Concrete	No	N/A		10	11	110	3 - Standing Rack, 7 foot	5	Yes
199	S-EB	East Building	2	2.1	1	1 - 3 X 7		Concrete	No	N/A		10	11	110	3 - Standing Rack, 7 foot	5	Yes
200	S-WB	West Building	1	1.1	1	1 - 3 X 7		Concrete	No	N/A		10	14	140	3 - Standing Rack, 7 foot	5	Yes
201	S-WB	West Building	2	2.1	1	1 - 3 X 7		Concrete	No	N/A		10	11	110	3 - Standing Rack, 7 foot	5	Yes
202																	

	B	C	D	E	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW
1	Unique Bldg ID	Building Name From file H:\CCCCdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Racks Braced at the Top?	Racks Bonded?	Rack Notes	Lighting OK?	Existing HVAC or Ventilation Type	Is HVAC 24x7?	Room Temperature at Time of Survey	Room Dust Level at Time of Survey	20 AMP Electrical Outlets (Standard)	30 AMP Electrical Outlets (Standard)	20 AMP Electrical Outlets (Dedicated)	30 AMP Electrical Outlets (Dedicated)
167	L-CDC	Child Study Center	1	1.1	N/A	N/A	Wall mounted	Yes	Building Air	No	Acceptable	Dusty	2		0	
168	L-CDC	Child Study Center	1	1.1	N/A	N/A	Wall mounted	Yes	Building Air	No	Acceptable	Dusty	2		0	
169	L-EL	EETEC	1	1.1												
170	L-GA	Graphic Arts Lab	1	1.1	N/A	N/A	Wall mounted	Yes	Building Air	No	Acceptable	Dusty	2		0	
171	L-G	Gymnasium	0	None												
172	L-HC	Honors Center	1	1.1	N/A	N/A	Mounted in the ceiling	No	None	No	Warm	Dusty	2		2	
173	L-L	Library	1	1.1	Yes	Yes		No	Dedicated Air	No	Cool	Clean	0		16	
174	L-LR	Learning Resource II, III, and IV	1	1.1												
175	L-MA	Math	1	1.1	Yes	Yes		No	Dedicated Air	No	Cool	Dusty	0		8	2
176	L-MA	Math	2	2.1	Yes	Yes		No	Dedicated Air	No	Cool	Clean	0		12	
177	L-MU	Music	0	None												
178	L-PEB	PE Press Box	0	None												
179	L-PEC	Concessions	0	None												
180	L-PED	Dance	0	None												
181	L-PE	Pool Equipment	0	None												
182	L-PEO	PE Offices	1	1.1	N/A	N/A	Wall mounted in a box	No	Building Air	No	Warm	Acceptable	0		2	
183	L-PET	PE Training Complex	1	1.1	N/A	N/A	Wall mounted	No	None	No	Warm	Dusty	2		0	
184	L-PEW	Weights	0	None												
185	L-PS	Offices of Instruction	1	1.1	No	No		Yes	None	No	HOT	Dusty	0		2	
186	L-PS	Offices of Instruction	1	1.2	N/A	N/A	Wall mounted	Yes	None	No	Acceptable	Dusty	0		2	
187	L-SC	Science	1	1.1	Yes	Yes		No	Dedicated Air	No	Cool	Clean	0		14	
188	L-SC	Science	2	2.1	Yes	Yes		No	Dedicated Air	No	Cool	Clean	0		14	
189	L-U	Utility Building	1	1.1v			None	Yes	None	No	HOT	Acceptable	0			
190	M-EC	District Office	1	1.1	Yes	Yes		No	Building Air	No	Warm	Dusty			2	1
191	M-EC	District Office	3	3.1v			None	Yes	None	No	Warm	Acceptable	0			
192	M-EC	District Office	3	3.2	No	No		Yes	Dedicated Air	Yes	Cool	Clean	0		16	6
193	M-EC	District Office	4	4.1			Wall mounted	No	None	No	Warm	Acceptable	4			
194	M-EC	District Office	5	5.1			Wall mounted	No	None	No	Warm	Acceptable	4			
195	M-EC	District Office	6	6.1			Wall mounted	No	None	No	Warm	Acceptable	4			
196	S-CP	Central Plant	1	1.1	Yes	Yes		Yes	None	Yes	Warm	Clean	0		4	1
197	S-EB	East Building	1	1.1	Yes	Yes		Yes	Dedicated Air	Yes	Cool	Clean	0		16	20
198	S-EB	East Building	1	1.2	Yes	Yes		Yes	Dedicated Air	Yes	Cool	Clean	0		12	6
199	S-EB	East Building	2	2.1	Yes	Yes		Yes	Dedicated Air	Yes	Cool	Clean	0		12	6
200	S-WB	West Building	1	1.1	Yes	Yes		Yes	Dedicated Air	Yes	Cool	Clean	0		12	6
201	S-WB	West Building	2	2.1	Yes	Yes		Yes	Dedicated Air	Yes	Cool	Clean	0		12	6
202																

	B	C	D	E	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK
1	Unique Bldg ID	Building Name From file H:\CCCCdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	UPS 1	UPS 2	UPS 3	UPS 4	UPS 5	Width of Used Linear Feet of Wall Space (ft.)	Height of Used Linear Wall Space (ft.)	Total Square Feet of Used Linear Wall Space (sq. ft.)	Width of Available Linear Feet of Wall Space (ft. incl. used)	Height of Available Linear Wall Space (ft. incl. used)	Total Square Feet of Available Linear Wall Space (total sq. ft.)	Grounding in the Room?	Copper Protection in Room?	TELCO MPOE in Room?
167	L-CDC	Child Study Center	1	1.1						3	4	12	3	4	12	No	No	No
168	L-CDC	Child Study Center	1	1.1						3	4	12	3	4	12	No	No	No
169	L-EL	EETEC	1	1.1														
170	L-GA	Graphic Arts Lab	1	1.1						3	4	12	3	4	12	No	No	No
171	L-G	Gymnasium	0	None														
172	L-HC	Honors Center	1	1.1												Yes	No	No
173	L-L	Library	1	1.1						8	6	48	8	6	48	Yes	Yes	No
174	L-LR	Learning Resource II, III, and IV	1	1.1														
175	L-MA	Math	1	1.1						8	6	48	8	6	48	Yes	Yes	No
176	L-MA	Math	2	2.1						8	6	48	8	6	48	Yes	No	No
177	L-MU	Music	0	None														
178	L-PEB	PE Press Box	0	None														
179	L-PEC	Concessions	0	None														
180	L-PED	Dance	0	None														
181	L-PE	Pool Equipment	0	None														
182	L-PEO	PE Offices	1	1.1						3	4	12	3	4	12	No	No	No
183	L-PET	PE Training Complex	1	1.1						3	4	12	3	4	12	No	No	No
184	L-PEW	Weights	0	None														
185	L-PS	Offices of Instruction	1	1.1						3	4	12	3	4	12	No	No	No
186	L-PS	Offices of Instruction	1	1.2						3	4	12	3	4	12	No	No	No
187	L-SC	Science	1	1.1						8	6	48	8	6	48	Yes	Yes	No
188	L-SC	Science	2	2.1						8	6	48	8	6	48	Yes	Yes	No
189	L-U	Utility Building	1	1.1v						2	3	6	3	3	9	No	No	No
190	M-EC	District Office	1	1.1	1 - apc, 2200 with 6 outlets					7	6	42	7	5	35	Yes	No	No
191	M-EC	District Office	3	3.1v						4	5	20	4	5	20	No	No	No
192	M-EC	District Office	3	3.2	6 - Lots, 0 with 0 outlets											No	No	No
193	M-EC	District Office	4	4.1						4	5	20	4	5	20	No	No	No
194	M-EC	District Office	5	5.1						4	5	20	4	5	20	No	No	No
195	M-EC	District Office	6	6.1						4	5	20	4	5	20	No	No	No
196	S-CP	Central Plant	1	1.1						4	2	8	4	5	20	Yes	Yes	No
197	S-EB	East Building	1	1.1	1 - apc, 3000 with 8 outlets					5	5	25	10	5	50	Yes	Yes	No
198	S-EB	East Building	1	1.2	1 - apc, 2200 with 6 outlets					4	4	16	6	5	30	Yes	No	No
199	S-EB	East Building	2	2.1	1 - apc, 2200 with 6 outlets					4	4	16	6	5	30	Yes	No	No
200	S-WB	West Building	1	1.1	1 - apc, 2200 with 6 outlets					4	4	16	6	5	30	Yes	Yes	No
201	S-WB	West Building	2	2.1	1 - apc, 2200 with 6 outlets					4	4	16	6	5	30	Yes	No	No
202																		

	B	C	D	E	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU	DV
1	Unique Bldg ID	Building Name From file H:\CCCCdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Ceiling Type?	Fire Suppression Type?	Smoke Detector Notes	Fire Rated Wall Boards	Do We Need to Recable Due to Thinnet or Cat 3?	TR Needs HVAC System Installed	Does Electrical Need to be Added to the Room?	FROM PHYSICAL SURVEYS Non-Converged	Non-Converged Required TR Square Footage	Additional Square Footage Required to Meet Non-Converged	Additional TR(s) to be Added Due to Cable Length Problems
167	L-CDC	Child Study Center	1	1.1	Hard lid	None	No	No	No	No	No	A	30	10	
168	L-CDC	Child Study Center	1	1.1	Hard lid	None	No	No	No	No	No	A	30	10	
169	L-EL	EETEC	1	1.1								No TR	24		
170	L-GA	Graphic Arts Lab	1	1.1	Hard lid	None	No	No	No	No	No	A	24	4	
171	L-G	Gymnasium	0	None								No TR			
172	L-HC	Honors Center	1	1.1	Lay-in	None	No	No	No	No	No	A	24		
173	L-L	Library	1	1.1	Open	Sprinkler	Yes	No	No	No	No	None	80	None	
174	L-LR	Learning Resource II, III, and IV	1	1.1								None	48		
175	L-MA	Math	1	1.1	Open	Sprinkler	Yes	No	No	No	No	None	48	None	
176	L-MA	Math	2	2.1	Open	Sprinkler	Yes	No	No	No	No	None	48	None	
177	L-MU	Music	0	None								No TR			
178	L-PEB	PE Press Box	0	None								No TR			
179	L-PEC	Concessions	0	None								No TR			
180	L-PED	Dance	0	None								No TR			
181	L-PE	Pool Equipment	0	None								None			
182	L-PEO	PE Offices	1	1.1	Lay-in	None	No	No	No	No	No	B	30	29	
183	L-PET	PE Training Complex	1	1.1	Lay-in	None	No	No	No	No	No	A	30	21	
184	L-PEW	Weights	0	None								No TR			
185	L-PS	Offices of Instruction	1	1.1	Open	None	No	No	No	No	No	Abandon	24	15	
186	L-PS	Offices of Instruction	1	1.2	Open	None	No	No	No	Duct only	Yes	Rebuild	24	15	
187	L-SC	Science	1	1.1	Open	Sprinkler	Yes	No	No	No	No	None	64	None	
188	L-SC	Science	2	2.1	Open	Sprinkler	Yes	No	No	No	No	None	48	None	
189	L-U	Utility Building	1	1.1v	Hard lid	None	No	No	No	No	No	None	24	15	
190	M-EC	District Office	1	1.1	Lay-in	None	No	No	No	Yes	No	A	48	None	
191	M-EC	District Office	3	3.1v	Hard lid	None	No	No	No	No	No	A	24	18	
192	M-EC	District Office	3	3.2	Open	None	Yes	No	No	No	No	C	64	None	
193	M-EC	District Office	4	4.1	Hard lid	None	No	No	No	No	No	Abandon	30	27	
194	M-EC	District Office	5	5.1	Hard lid	None	No	No	No	No	No	Rebuild	30	27	
195	M-EC	District Office	6	6.1	Hard lid	None	No	No	No	No	No	Abandon	30	27	
196	S-CP	Central Plant	1	1.1	Open	None	Yes	No	No	Duct only	No	None	24	None	
197	S-EB	East Building	1	1.1	Open	Sprinkler	Yes	No	No	No	No	None	64	None	
198	S-EB	East Building	1	1.2	Open	Sprinkler	Yes	No	No	No	No	None	48	None	
199	S-EB	East Building	2	2.1	Open	Sprinkler	Yes	No	No	No	No	None	48	None	
200	S-WB	West Building	1	1.1	Open	Sprinkler	Yes	No	No	No	No	None	64	None	
201	S-WB	West Building	2	2.1	Open	Sprinkler	Yes	No	No	No	No	None	48	None	
202															

	B	C	D	E	DW	DX	DY	DZ	EA	EB
1	Unique Bldg ID	Building Name	Floor	TR ID	Description of Work Required for Non-Converged From file H:\CCCCdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	FROM PHYSICAL SURVEYS Converged Solution	Required TR Square Footage of Converged	Additional Square Footage Required to Meet Converged Requirement	Additional TR(s) to Be Added Due to Cable Length Problems	Description of Work Required for Converged
167	L-CDC	Child Study Center	1	1.1	Add enclosed wall cabinet	A	48	28		Add enclosed wall cabinet
168	L-CDC	Child Study Center	1	1.1	Add enclosed wall cabinet	A	48	28		Add enclosed wall cabinet
169	L-EL	EETEC	1	1.1	Fed by next door building, leave it that way	No TR	80			Fed by next door building, leave it that way
170	L-GA	Graphic Arts Lab	1	1.1	Add enclosed wall cabinet, secure with power inside, fix the copper s	A	48	28		Add enclosed wall cabinet, secure with power inside,
171	L-G	Gymnasium	0	None	Fed by next door building, leave it that way	No TR				Fed by next door building, leave it that way
172	L-HC	Honors Center	1	1.1	Add a self contained cabinet	A	48			Add a self contained cabinet
173	L-L	Library	1	1.1	Good room	None	48	None		Good room
174	L-LR	Learning Resource II, III, and IV	1	1.1	Being remodeled now, new TR is being built with these ports	None	48			Being remodeled now, new TR is being built with thes
175	L-MA	Math	1	1.1	Good room, need firestopping	None	64	None		Good room, need firestopping
176	L-MA	Math	2	2.1	Good room	None	64	None		Good room
177	L-MU	Music	0	None	Fed by next door building, leave it that way	No TR				Fed by next door building, leave it that way
178	L-PEB	PE Press Box	0	None	Feed fiber through new construction and build a TR in this building	No TR				Feed fiber through new construction and build a TR in
179	L-PEC	Concessions	0	None	Feed fiber through new construction and build a TR in this building	No TR				Feed fiber through new construction and build a TR in
180	L-PED	Dance	0	None	Feed fiber through new construction and build a TR in this building	No TR				Feed fiber through new construction and build a TR in
181	L-PE	Pool Equipment	0	None	Needs fiber for future services	None				Needs fiber for future services
182	L-PEO	PE Offices	1	1.1	Take over space, remove carpet, install rack, ground equipment	B	64	63		Take over space, remove carpet, install rack, ground e
183	L-PET	PE Training Complex	1	1.1	Add enclosed wall cabinet	A	48	39		Add enclosed wall cabinet
184	L-PEW	Weights	0	None	Feed fiber through new construction and build a TR in this building	No TR				Feed fiber through new construction and build a TR in
185	L-PS	Offices of Instruction	1	1.1	Use as passthough only, serve the building from the other TR	Abandon	48	39		Use as passthough only, serve the building from the o
186	L-PS	Offices of Instruction	1	1.2	Rebuild one room for the building and feed everything from there	Rebuild	48	39		Rebuild one room for the building and feed everything
187	L-SC	Science	1	1.1	Good room	None	48	None		Good room
188	L-SC	Science	2	2.1	Good room	None	48	None		Good room
189	L-U	Utility Building	1	1.1v	Small voice only TR, leave as is	None	48	39		Small voice only TR, leave as is
190	M-EC	District Office	1	1.1	Clear storage for expansion and new system, add cooling	B	48	None		Clear storage for expansion and new system, add coo
191	M-EC	District Office	3	3.1v	Secure TR, firestop, use as passthrough only	A	48	42		Secure TR, firestop, use as passthrough only
192	M-EC	District Office	3	3.2	Need ladder racking, brace, ground all racks, get electrical panels ou	C	48	None		Need ladder racking, brace, ground all racks, get elec
193	M-EC	District Office	4	4.1	Cable to new TR on 5th floor	Abandon	48	45		Cable to new TR on 5th floor
194	M-EC	District Office	5	5.1	Must rebuild to a new location, install rack, HVAC, etc	Rebuild	48	45		Must rebuild to a new location, install rack, HVAC, etc
195	M-EC	District Office	6	6.1	Cable to new TR on 5th floor	Abandon	48	45		Cable to new TR on 5th floor
196	S-CP	Central Plant	1	1.1	Good room, should firestop conduits, needs Temp controlled fan for	None	48	None		Good room, should firestop conduits, needs Temp con
197	S-EB	East Building	1	1.1	Good room	None	80	None		Good room
198	S-EB	East Building	1	1.2	Good room, should firestop conduits	None	80	None		Good room, should firestop conduits
199	S-EB	East Building	2	2.1	Good room, should firestop conduits	None	80	None		Good room, should firestop conduits
200	S-WB	West Building	1	1.1	Good room, should firestop conduits	None	80	None		Good room, should firestop conduits
201	S-WB	West Building	2	2.1	Good room, should firestop conduits	None	80	None		Good room, should firestop conduits
202										

	B	C	D	E	EC	ED	EE	EF	EG	EH	EI	EJ	EK
1	Unique Bldg ID	Building Name From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	FROM PHYSICAL SURVEY BICSI Methodology	BICSI Required TR Square Footage	Additional Square Footage Required to Meet BICSI Requirement	Additional Number of TR(s) Due to Square Footage	Additional Number of TR(s) Due to Number of Floors	Additional TR(s) to Be Added	Description of Work Required for BICSI Methodology:	Abandon / NonConverged - TR to Rewire to…	Abandon / Converged - TR to Rewire to…
167	L-CDC	Child Study Center	1	1.1	A	80	60				Add standing rack and UPS		
168	L-CDC	Child Study Center	1	1.1	A	80	60				Add standing rack and UPS		
169	L-EL	EETEC	1	1.1	No TR	80					Fed by next door building, leave it that way		
170	L-GA	Graphic Arts Lab	1	1.1	A	80	60				Add enclosed wall cabinet, secure with power inside, fix the copper		
171	L-G	Gymnasium	0	None	No TR						Fed by next door building, leave it that way		
172	L-HC	Honors Center	1	1.1	A	80					Add a self contained cabinet		
173	L-L	Library	1	1.1	None	80	None				Good room		
174	L-LR	Learning Resource II, III, and IV	1	1.1	None	80					Being remodeled now, new TR is being built with these ports		
175	L-MA	Math	1	1.1	None	90	None				Good room, need firestopping		
176	L-MA	Math	2	2.1	None	90	None				Good room		
177	L-MU	Music	0	None	No TR						Fed by next door building, leave it that way		
178	L-PEB	PE Press Box	0	None	No TR						Feed fiber through new construction and build a TR in this building		
179	L-PEC	Concessions	0	None	No TR						Feed fiber through new construction and build a TR in this building		
180	L-PED	Dance	0	None	No TR						Feed fiber through new construction and build a TR in this building		
181	L-PE	Pool Equipment	0	None	None						Needs fiber for future services		
182	L-PEO	PE Offices	1	1.1	B	90	89				Take over space, remove carpet, install rack, ground equipment		
183	L-PET	PE Training Complex	1	1.1	C	80	71				Enclose the room, add standing rack and UPS		
184	L-PEW	Weights	0	None	No TR						Feed fiber through new construction and build a TR in this building		
185	L-PS	Offices of Instruction	1	1.1	Abandon	80	71				Use as passthough only, serve the building from the other TR	L-PS-1.2	L-PS-1.2
186	L-PS	Offices of Instruction	1	1.2	Rebuild	80	71				Rebuild one room for the building and feed everything from there		
187	L-SC	Science	1	1.1	None	80	None				Good room		
188	L-SC	Science	2	2.1	None	80	None				Good room		
189	L-U	Utility Building	1	1.1v	None	80	71				Small voice only TR, leave as is		
190	M-EC	District Office	1	1.1	B	80	None				Clear storage for expansion and new system, add cooling		
191	M-EC	District Office	3	3.1v	A	80	74				Secure TR, firestop, use as passthrough only		
192	M-EC	District Office	3	3.2	C	80	None				Need ladder racking, brace, ground all racks, get electrical panels o		
193	M-EC	District Office	4	4.1	Rebuild	80	77				Must rebuild to a new location, install rack, HVAC, etc	M-EC-5.1	M-EC-5.1
194	M-EC	District Office	5	5.1	Rebuild	80	77				Must rebuild to a new location, install rack, HVAC, etc		
195	M-EC	District Office	6	6.1	Rebuild	80	77				Must rebuild to a new location, install rack, HVAC, etc	M-EC-5.1	M-EC-5.1
196	S-CP	Central Plant	1	1.1	None	80	20				Good room, should firestop conduits, needs Temp controlled fan for		
197	S-EB	East Building	1	1.1	None	80	None				Good room		
198	S-EB	East Building	1	1.2	None	80	None				Good room, should firestop conduits		
199	S-EB	East Building	2	2.1	None	80	None				Good room, should firestop conduits		
200	S-WB	West Building	1	1.1	None	80	None				Good room, should firestop conduits		
201	S-WB	West Building	2	2.1	None	80	None				Good room, should firestop conduits		
202													

	B	C	D	E	EL	EM	EN
1	Unique Bldg ID	Building Name From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Abandon / BICSI - TR to Rewire to…	Remove Storage?	Survey Date
167	L-CDC	Child Study Center	1	1.1		No	08/06/08
168	L-CDC	Child Study Center	1	1.1		No	08/06/08
169	L-EL	EETEC	1	1.1			08/06/08
170	L-GA	Graphic Arts Lab	1	1.1		No	08/06/08
171	L-G	Gymnasium	0	None			08/06/08
172	L-HC	Honors Center	1	1.1		No	08/06/08
173	L-L	Library	1	1.1		No	08/06/08
174	L-LR	Learning Resource II, III, and IV	1	1.1			08/06/08
175	L-MA	Math	1	1.1		No	08/06/08
176	L-MA	Math	2	2.1		No	08/06/08
177	L-MU	Music	0	None			08/06/08
178	L-PEB	PE Press Box	0	None			08/06/08
179	L-PEC	Concessions	0	None			08/06/08
180	L-PED	Dance	0	None			08/06/08
181	L-PE	Pool Equipment	0	None			08/06/08
182	L-PEO	PE Offices	1	1.1		No	08/06/08
183	L-PET	PE Training Complex	1	1.1		No	08/06/08
184	L-PEW	Weights	0	None			08/06/08
185	L-PS	Offices of Instruction	1	1.1	L-PS-1.2	No	08/06/08
186	L-PS	Offices of Instruction	1	1.2		No	08/06/08
187	L-SC	Science	1	1.1		No	08/06/08
188	L-SC	Science	2	2.1		No	08/06/08
189	L-U	Utility Building	1	1.1v		No	08/06/08
190	M-EC	District Office	1	1.1		Yes	08/01/08
191	M-EC	District Office	3	3.1v		No	08/01/08
192	M-EC	District Office	3	3.2		No	07/31/08
193	M-EC	District Office	4	4.1		No	08/01/08
194	M-EC	District Office	5	5.1		No	08/01/08
195	M-EC	District Office	6	6.1		No	08/01/08
196	S-CP	Central Plant	1	1.1		No	08/01/08
197	S-EB	East Building	1	1.1		No	08/01/08
198	S-EB	East Building	1	1.2		No	08/01/08
199	S-EB	East Building	2	2.1		No	08/01/08
200	S-WB	West Building	1	1.1		No	08/01/08
201	S-WB	West Building	2	2.1		No	08/01/08
202							

	B	C	D	E	EO	EP	EQ	ER	ES	ET	EU	EV	EW	EX	EY	EZ	FA	FB
1	Unique Bldg ID	Building Name	Floor	TR ID	Photo Number	Photo Note	Remove Janitor?	Building Serviced by Generator?	OSP MM Fiber Stands Installed	OSP MM Fiber Stands Used	OSP MM Fiber Stands Available	ISP MM Fiber Strands Installed	ISP MM Fiber Strands Used	ISP MM Fiber Strands Available	OSP Single Mode Strands Installed	OSP Single Mode Strands Used	OSP Single Mode Strands Available	ISP Single Mode Strands Installed
167	L-CDC	Child Study Center	1	1.1	File 6 pix 69 thru 70		No	No	6	2	4	0	0	0	0	0	0	0
168	L-CDC	Child Study Center	1	1.1	File 6 pix 71		No	No	6	2	4	0	0	0	0	0	0	0
169	L-EL	EETEC	1	1.1	File 6 pix 0	None			0	0	0	0	0	0	0	0	0	0
170	L-GA	Graphic Arts Lab	1	1.1	File 6 pix 0	None	No	No	0	0	0	0	0	0	0	0	0	0
171	L-G	Gymnasium	0	None	File 6 pix 0	None			0	0	0	0	0	0	0	0	0	0
172	L-HC	Honors Center	1	1.1	File 6 pix 0	No access	No	No	0	0	0	0	0	0	0	0	0	0
173	L-L	Library	1	1.1	File 6 pix 1 thru 3		No	No	24	4	20	0	0	0	12	0	12	0
174	L-LR	Learning Resource II, III, and IV	1	1.1	File 6 pix 64				0	0	0	0	0	0	0	0	0	0
175	L-MA	Math	1	1.1	File 6 pix 13 thru 14		No	No	36	6	30	0	0	0	12	0	12	0
176	L-MA	Math	2	2.1	File 6 pix 15 thru 16		No	No	36	2	34	0	0	0	12	0	12	0
177	L-MU	Music	0	None	File 6 pix 0	None			0	0	0	0	0	0	0	0	0	0
178	L-PEB	PE Press Box	0	None	File 6 pix 0	None			0	0	0	0	0	0	0	0	0	0
179	L-PEC	Concessions	0	None	File 6 pix 0	None			0	0	0	0	0	0	0	0	0	0
180	L-PED	Dance	0	None	File 6 pix 0	None			0	0	0	0	0	0	0	0	0	0
181	L-PE	Pool Equipment	0	None	File 6 pix 0	None			0	0	0	0	0	0	0	0	0	0
182	L-PEO	PE Offices	1	1.1	File 6 pix 9 thru 10		No	No	4	2	2	0	0	0	0	0	0	0
183	L-PET	PE Training Complex	1	1.1	File 6 pix 11 thru 12		No	No	6	4	2	0	0	0	0	0	0	0
184	L-PEW	Weights	0	None	File 6 pix 0	None			0	0	0	0	0	0	0	0	0	0
185	L-PS	Offices of Instruction	1	1.1	File 6 pix 65 thru 66		No	No	6	2	4	0	0	0	0	0	0	0
186	L-PS	Offices of Instruction	1	1.2	File 6 pix 67 thru 68		No	No	0	0	0	0	0	0	0	0	0	0
187	L-SC	Science	1	1.1	File 6 pix 4 thru 6		No	No	36	6	30	0	0	0	12	0	12	0
188	L-SC	Science	2	2.1	File 6 pix 7 thru 8		No	No	36	6	30	0	0	0	12	0	12	0
189	L-U	Utility Building	1	1.1v	File 6 pix 17		No	No	0	0	0	0	0	0	0	0	0	0
190	M-EC	District Office	1	1.1	File 3 pix 21 thru 25		No	No	0	0	0	0	0	0	0	0	0	0
191	M-EC	District Office	3	3.1v	File 3 pix 26		No	No	0	0	0	0	0	0	0	0	0	0
192	M-EC	District Office	3	3.2	File 2 pix 21 thru 30		No	No	0	0	0	0	0	0	24	2	22	0
193	M-EC	District Office	4	4.1	File 3 pix 27 thru 28		No	No	0	0	0	6	2	4	0	0	0	0
194	M-EC	District Office	5	5.1	File 3 pix 29 thru 30		No	No	0	0	0	6	2	4	0	0	0	0
195	M-EC	District Office	6	6.1	File 3 pix 31		No	No	0	0	0	6	2	4	0	0	0	0
196	S-CP	Central Plant	1	1.1	File 3 pix 19 thru 20		No	No	0	0	0	0	0	0	48	2	46	0
197	S-EB	East Building	1	1.1	File 3 pix 1 thru 6		No	No	0	0	0	0	0	0	0	0	0	0
198	S-EB	East Building	1	1.2	File 3 pix 7 thru 9		No	No	0	0	0	24	2	22	0	0	0	12
199	S-EB	East Building	2	2.1	File 3 pix 10 thru 12		No	No	0	0	0	24	2	22	0	0	0	12
200	S-WB	West Building	1	1.1	File 3 pix 16 thru 18		No	No	48	2	46	0	0	0	24	0	24	0
201	S-WB	West Building	2	2.1	File 3 pix 13 thru 15		No	No	0	0	0	24	2	22	0	0	0	12
202																		

	B	C	D	E	FC	FD	FE	FF	FG	FH	FI	FJ	FK	FL	FM	FN	FO	FP
1	Unique Bldg ID	Building Name From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	ISP Single Mode Strands Used	ISP Single Mode Strands Available	Voice Copper Riser Count	Voice Copper Riser Pairs Used	Voice Copper Riser % Spare	Network Ports Available (surveyed)	Network Ports Used (surveyed)	Network Ports % Spare (surveyed)	Building OSP Copper Count	Building OSP Copper Pairs Used	Building OSP Copper % Spare	Add Riser Conduit Because Existing Is Full?	CATV Trunk Cable? Where Is It Located?	CATV Rg6 Cable? Where Is It Located?
167	L-CDC	Child Study Center	1	1.1	0	0	0	0		24	15	38%	0	0		No	No	No
168	L-CDC	Child Study Center	1	1.1	0	0	0	0		24	15	38%	0	0		No	No	No
169	L-EL	EETEC	1	1.1	0	0	0	0		0	0		0	0				
170	L-GA	Graphic Arts Lab	1	1.1	0	0	0	0		48	12	75%	0	0		No	No	No
171	L-G	Gymnasium	0	None	0	0	0	0		0	0		0	0				
172	L-HC	Honors Center	1	1.1	0	0	0	0		24	10	58%	0	0		No	No	No
173	L-L	Library	1	1.1	0	0	0	0		264	220	17%	0	0		No	Yes	Yes
174	L-LR	Learning Resource II, III, and IV	1	1.1	0	0	0	0		0	0		0	0				
175	L-MA	Math	1	1.1	0	0	0	0		96	88	8%	0	0		No	No	No
176	L-MA	Math	2	2.1	0	0	0	0		144	132	8%	0	0		No	No	No
177	L-MU	Music	0	None	0	0	0	0		0	0		0	0				
178	L-PEB	PE Press Box	0	None	0	0	0	0		0	0		0	0				
179	L-PEC	Concessions	0	None	0	0	0	0		0	0		0	0				
180	L-PED	Dance	0	None	0	0	0	0		0	0		0	0				
181	L-PE	Pool Equipment	0	None	0	0	0	0		0	0		0	0				
182	L-PEO	PE Offices	1	1.1	0	0	0	0		24	6	75%	50	10	80%	No	No	No
183	L-PET	PE Training Complex	1	1.1	0	0	0	0		48	6	88%	25	2	92%	No	No	No
184	L-PEW	Weights	0	None	0	0	0	0		0	0		0	0				
185	L-PS	Offices of Instruction	1	1.1	0	0	0	0		24	22	8%	0	0		No	No	No
186	L-PS	Offices of Instruction	1	1.2	0	0	0	0		24	15	38%	0	0		No	No	No
187	L-SC	Science	1	1.1	0	0	0	0		144	84	42%	0	0		No	No	No
188	L-SC	Science	2	2.1	0	0	0	0		144	84	42%	0	0		No	No	No
189	L-U	Utility Building	1	1.1v	0	0	0	0		0	0		4	2	50%	No	No	No
190	M-EC	District Office	1	1.1	0	0	0	0		12	10	17%	0	0		Yes	No	No
191	M-EC	District Office	3	3.1v	0	0	100	80	20%	0	0		0	0		Yes	No	No
192	M-EC	District Office	3	3.2	0	0	0	0		156	140	10%	0	0		Yes	No	No
193	M-EC	District Office	4	4.1	0	0	100	54	46%	60	59	2%	0	0		Yes	No	No
194	M-EC	District Office	5	5.1	0	0	100	30	70%	48	39	19%	0	0		Yes	No	No
195	M-EC	District Office	6	6.1	0	0	100	30	70%	24	23	4%	0	0		Yes	No	No
196	S-CP	Central Plant	1	1.1	0	0	0	0		8	6	25%	100	16	84%	No	No	No
197	S-EB	East Building	1	1.1	0	0	0	0		144	80	44%	0	0		No	No	No
198	S-EB	East Building	1	1.2	0	12	100	6	94%	144	130	10%	0	0		No	No	No
199	S-EB	East Building	2	2.1	0	12	100	15	85%	96	12	88%	0	0		No	No	No
200	S-WB	West Building	1	1.1	0	0	0	0		120	118	2%	300	140	53%	No	No	No
201	S-WB	West Building	2	2.1	0	12	100	22	78%	120	28	77%	0	0		No	No	No
202																		

	B	C	D	E	FQ	FR	FS	FT	FU	FV	FW	FX	FY	FZ	GA
1	Unique Bldg ID	Building Name From file H:\CCCCdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Wireless Access Equipment in TR Such as In-line Power Equip.	Fire / Life Safety Equip. in the TR?	Security & Alarm Systems in the TR?	Energy Management Systems (SCADA) in the TR?	Campus Card Access Systems?	Fire, Police, or Health Safety Systems in the TR?	EOC Network Equipment in the TR?	C.P.E. Network Equipment?	Old Broadband Cable in the Room	Notes About the TR Urgency	Are Conduits Fire Stopped?
167	L-CDC	Child Study Center	1	1.1											No
168	L-CDC	Child Study Center	1	1.1											No
169	L-EL	EETEC	1	1.1											
170	L-GA	Graphic Arts Lab	1	1.1											No
171	L-G	Gymnasium	0	None											
172	L-HC	Honors Center	1	1.1											No
173	L-L	Library	1	1.1											Yes
174	L-LR	Learning Resource II, III, and IV	1	1.1											
175	L-MA	Math	1	1.1											No
176	L-MA	Math	2	2.1											Yes
177	L-MU	Music	0	None											
178	L-PEB	PE Press Box	0	None											
179	L-PEC	Concessions	0	None											
180	L-PED	Dance	0	None											
181	L-PE	Pool Equipment	0	None											
182	L-PEO	PE Offices	1	1.1											No
183	L-PET	PE Training Complex	1	1.1											No
184	L-PEW	Weights	0	None											
185	L-PS	Offices of Instruction	1	1.1											No
186	L-PS	Offices of Instruction	1	1.2											No
187	L-SC	Science	1	1.1											Yes
188	L-SC	Science	2	2.1											Yes
189	L-U	Utility Building	1	1.1v											No
190	M-EC	District Office	1	1.1			Schlage					Octel, Police c			No
191	M-EC	District Office	3	3.1v											No
192	M-EC	District Office	3	3.2											No
193	M-EC	District Office	4	4.1											No
194	M-EC	District Office	5	5.1											No
195	M-EC	District Office	6	6.1											No
196	S-CP	Central Plant	1	1.1											No
197	S-EB	East Building	1	1.1											No
198	S-EB	East Building	1	1.2											No
199	S-EB	East Building	2	2.1											No
200	S-WB	West Building	1	1.1											No
201	S-WB	West Building	2	2.1											No
202															

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	B	C	D	E	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
1	Unique Bldg ID	Building Name From file H:\CCCCDdata\217-01-StratP\Survey\CCCSurvey15-as - TR Database.xls (sorted by consolidated TR	Floor	TR ID	Category of TR Urgency	Difficulty of Horizontal Cabling (Easy, Medium, or Hard)	Cat 5 for Data (Yes/No)	Number of Cat 5 Cables	Number of Cat 5 Used	Retermination of Good Data Cable is needed	% of Cable That Is Cat 5E or Better	Expected Year for Infrastructure Work	DRAWING PROBLEMS	Time Stamp
167	L-CDC	Child Study Center	1	1.1		Easy				No	100%			3:49 PM
168	L-CDC	Child Study Center	1	1.1		Easy				No	100%			3:49 PM
169	L-EL	EETEC	1	1.1		Easy				No	0%			2:45 PM
170	L-GA	Graphic Arts Lab	1	1.1		Easy				No	100%			3:52 PM
171	L-G	Gymnasium	0	None		Easy				No	0%			10:19 AM
172	L-HC	Honors Center	1	1.1		Easy				No	0%			11:23 AM
173	L-L	Library	1	1.1		Easy				No	100%			9:23 AM
174	L-LR	Learning Resource II, III, and IV	1	1.1		Easy				No	0%			3:29 PM
175	L-MA	Math	1	1.1		Easy				No	100%			10:13 AM
176	L-MA	Math	2	2.1		Easy				No	100%			10:26 AM
177	L-MU	Music	0	None		Easy				No	0%			10:20 AM
178	L-PEB	PE Press Box	0	None		Easy				No	0%			10:15 AM
179	L-PEC	Concessions	0	None		Easy				No	0%			10:15 AM
180	L-PED	Dance	0	None		Easy				No	0%			10:15 AM
181	L-PE	Pool Equipment	0	None		Easy				No	0%			10:16 AM
182	L-PEO	PE Offices	1	1.1		Hard				No	100%			9:49 AM
183	L-PET	PE Training Complex	1	1.1		Hard				No	100%			9:56 AM
184	L-PEW	Weights	0	None		Easy				No	0%			10:15 AM
185	L-PS	Offices of Instruction	1	1.1		Hard				No	100%			3:36 PM
186	L-PS	Offices of Instruction	1	1.2		Hard				No	100%			3:39 PM
187	L-SC	Science	1	1.1		Easy				No	100%			9:36 AM
188	L-SC	Science	2	2.1		Easy				No	100%			9:40 AM
189	L-U	Utility Building	1	1.1v		Easy				No	0%			10:42 AM
190	M-EC	District Office	1	1.1		Hard				No	100%			11:10 AM
191	M-EC	District Office	3	3.1v		Easy				No	0%			11:24 AM
192	M-EC	District Office	3	3.2		Easy				Yes	100%			3:33 PM
193	M-EC	District Office	4	4.1		Hard				No	100%			11:33 AM
194	M-EC	District Office	5	5.1		Hard				No	100%			11:39 AM
195	M-EC	District Office	6	6.1		Hard				No	100%			11:44 AM
196	S-CP	Central Plant	1	1.1		Easy				No	100%			10:06 AM
197	S-EB	East Building	1	1.1		Easy				No	100%			9:27 AM
198	S-EB	East Building	1	1.2		Easy				No	100%			9:38 AM
199	S-EB	East Building	2	2.1		Easy				No	100%			9:43 AM
200	S-WB	West Building	1	1.1		Easy				No	100%			9:58 AM
201	S-WB	West Building	2	2.1		Easy				No	100%			9:52 AM
202														

	A	B	C	D	E	F	G	H	I	J	K	L
1	Unique Bldg ID	Building Name	TR ID	FROM PHYSICAL SURVEYS Converged Solution	Timing of Funds Decision for Each TR	Closet Remodeling/ Rewiring Costs	Fiber Optic Riser Cabling Costs	Total Cost	Space Required for Janitor Removal	Space Required for Storage Removal	Space Required to Expand the Existing TR	Additional Space Needed to Rebuild the TR
2	bldgid	bldgname	198	2choice		Costs	Costs	Costs	Space	Space	Space	Space
3	0	0	0	0					Jan Spc	Stor Spc	Exp Spc	Add Spc
4	B-BWC	Brentwood Center	1.1	A		$ 7,000	$ -	$ 7,000			-	-
5	C-A	Art Building	1.1	B		$ 21,725	$ -	$ 21,725			-	-
6	C-A	Art Building	1.2	A		$ 11,350	$ 14,584	$ 25,934			-	-
7	C-A	Art Building	1.3	Abandon		$ 4,809	$ -	$ 4,809			-	-
8	C-AA	Applied Arts & Administration	1.1	B		$ 21,735	$ -	$ 21,735			-	-
9	C-AA	Applied Arts & Administration	1.2	A		$ 7,100	$ 13,651	$ 20,751			-	-
10	C-AA	Applied Arts & Administration	2.1	B		$ 14,850	$ 14,584	$ 29,434			-	-
11	C-AA	Applied Arts & Administration	2.2	A		$ 7,100	$ 13,651	$ 20,751			-	-
12	C-AA	Applied Arts & Administration	2.3	B		$ 33,300	$ 17,354	$ 50,654			-	-
13	C-AT	Automotive Technology	1.1	None	Remodeling soon.	$ 13,305	$ 2,084	$ 15,389			-	-
14	C-B	Biological Science	1.1d	B		$ 21,680	$ -	$ 21,680			-	-
15	C-B	Biological Science	1.2v	Abandon		$ 8,931	$ -	$ 8,931			-	-
16	C-BH	Boiler House	1.1	A		$ 7,950	$ -	$ 7,950			-	-
17	C-BPB	Baseball Press Box	None	None		$ -	$ -	$ -			-	-
18	C-C	Custodial Office	1.1	A		$ 7,780	$ -	$ 7,780			-	-
19	C-CHS	Hazardous Storage	None	No TR		$ -	$ -	$ -			-	-
20	C-CON	Football Concession	None	None		$ -	$ -	$ -			-	-
21	C-CS	Chemical Storage	None	No TR		$ -	$ -	$ -			-	-
22	C-CTC	Computer Technology Center	1.1	A		$ 7,000	$ -	$ 7,000			-	-
23	C-ELC	Early Learning Center	1.1	A		$ 16,040	$ -	$ 16,040			-	-
24	C-FPB	Football Pressbox	1.1	A		$ 7,185	$ -	$ 7,185			-	-
25	C-GA	Gym Annex	1.1v	Abandon	Renovating the bu	$ 3,435	$ -	$ 3,435			-	-
26	C-GA	Gym Annex	2.1v	Abandon	Renovating the bu	$ 11,679	$ -	$ 11,679			-	-
27	C-GA	Gym Annex	2.2	A	Renovating the bu	$ 9,140	$ -	$ 9,140			-	-
28	C-GY	Gymnasium	None	B		$ 10,500	$ -	$ 10,500			-	-
29	C-H	Humanities Building	1.1d		Being demolished	$ -	$ -	$ -			-	-
30	C-H	Humanities Building	1.2		Being demolished	$ -	$ -	$ -			-	-
31	C-H	Humanities Building	1.3d		Being demolished	$ -	$ -	$ -			-	-
32	C-H	Humanities Building	1.4v		Being demolished	$ -	$ -	$ -			-	-
33	C-H	Humanities Building	1.5v		Being demolished	$ -	$ -	$ -			-	-
34	C-HS	Health Sciences Building	1.1v	Abandon		$ 13,740	$ -	$ 13,740			-	-
35	C-LA	Liberal Arts	0.1	A		$ 17,385	$ -	$ 17,385			-	-
36	C-LA	Liberal Arts	0.2v	Abandon		$ 2,748	$ -	$ 2,748			-	-
37	C-LA	Liberal Arts	1.1	Abandon		$ -	$ -	$ -			-	-
38	C-LA	Liberal Arts	2.1	A		$ 18,415	$ 13,651	$ 32,065			-	-
39	C-LLRC	Library and Learning Resource Center	1.1	None		$ -	$ -	$ -			-	-
40	C-LLRC	Library and Learning Resource Center	2.1	None		$ 600	$ -	$ 600		35	-	-
41	C-M	Music	1.1d		Renovating in 1 ye	$ -	$ -	$ -			-	-
42	C-M	Music	1.2		Renovating in 1 ye	$ -	$ -	$ -			-	-
43	C-MA	Maintenance	1.1	None		$ 100	$ -	$ 100			-	-
44	C-ML	Mens Locker	1.1	A		$ 8,120	$ -	$ 8,120			-	-
45	C-PAC	Performing Arts Center	1.1	Abandon		$ 6,183	$ -	$ 6,183			-	-
46	C-PAC	Performing Arts Center	1.2d	B		$ 19,725	$ -	$ 19,725			-	-
47	C-PS	Physical Science	1.1	A		$ 22,805	$ -	$ 22,805		18	-	-
48	C-PS	Physical Science	1.2d	A		$ 11,180	$ 13,651	$ 24,831			-	-
49	C-PS	Physical Science	1.3d	A		$ 9,310	$ 13,651	$ 22,961			-	-
50	C-PS	Physical Science	1.4v	Abandon		$ 3,435	$ -	$ 3,435			-	-
51	C-R	Buildings and Grounds / Police	1.1v	A		$ 9,140	$ -	$ 9,140			-	-
52	C-R	Buildings and Grounds / Police	1.2	A		$ 11,180	$ 2,084	$ 13,264			-	-
53	C-SA	Student Activities	1.1		Being demolished	$ -	$ -	$ -			-	-
54	C-SA	Student Activities	1.2		Being demolished	$ -	$ -	$ -			-	-
55	C-SA	Student Activities	1.3v		Being demolished	$ -	$ -	$ -			-	-

	A	B	C	D	E	F	G	H	I	J	K	L
1	Unique Bldg ID	Building Name	TR ID	FROM PHYSICAL SURVEYS Converged Solution	Timing of Funds Decision for Each TR	Closet Remodeling/ Rewiring Costs	Fiber Optic Riser Cabling Costs	Total Cost	Space Required for Janitor Removal	Space Required for Storage Removal	Space Required to Expand the Existing TR	Additional Space Needed to Rebuild the TR
56	C-SSC	Student Services Center	1.1	None		$ 100	$ -	$ 100			-	-
57	C-WL	Womens Locker	1.1	None		$ 185	$ -	$ 185			-	-
58	D-A	Art Building	1.1	A		$ 13,140	$ 13,363	$ 26,503			-	-
59	D-A	Art Building	2.1	Rebuild		$ 82,271	$ -	$ 82,271			-	90
60	D-A	Art Building	3.1d	None		$ 4,265	$ 14,584	$ 18,849			-	-
61	D-A	Art Building	4.1v	Abandon		$ 10,305	$ -	$ 10,305			-	-
62	D-AB	Administration Building	1.1v	Abandon		$ 10,305	$ -	$ 10,305			-	-
63	D-AB	Administration Building	2.1	B		$ 16,600	$ -	$ 16,600			-	-
64	D-AB	Administration Building	2.2d	A		$ 11,765	$ 13,651	$ 25,416		9	-	-
65	D-AB	Administration Building	2.3	A		$ 20,265	$ 14,584	$ 34,849			-	-
66	D-ATC	Advanced Technology Center	1.1	None		$ -	$ -	$ -			-	-
67	D-BC	Book Center	2.1	None		$ 100	$ -	$ 100			-	-
68	D-BFL	Business/Foreign Language	1.1	C		$ 16,000	$ -	$ 16,000			41	-
69	D-C	Counseling	1.1d	A	May being demoli	$ 13,400	$ -	$ 13,400		9	-	-
70	D-C	Counseling	1.2v	Abandon	May being demoli	$ 43,281	$ -	$ 43,281			-	-
71	D-CCC	Community Conference Center	None	No TR		$ -	$ -	$ -			-	-
72	D-DS	District Storage Building	None	No TR		$ -	$ -	$ -			-	-
73	D-ET	Engineering Technology Center (North)	1.1	B		$ 21,265	$ -	$ 21,265		25	-	-
74	D-ET	Engineering Technology Center (South)	1.2v	Abandon		$ 7,557	$ -	$ 7,557			-	-
75	D-ET	Engineering Technology Center (South)	1.3v	Abandon		$ 26,106	$ -	$ 26,106			-	-
76	D-ET	Engineering Technology Center (North)	1.4d	Abandon		$ 55,647	$ -	$ 55,647			-	-
77	D-ET	Engineering Technology Center (South)	1.5d	Abandon		$ 55,080	$ -	$ 55,080			-	-
78	D-ET	Engineering Technology Center (South)	1.6d	A		$ 7,100	$ 14,584	$ 21,684			-	-
79	D-ET	Engineering Technology Center (South)	1.7d	A		$ 7,100	$ 14,584	$ 21,684			-	-
80	D-ET	Engineering Technology Center (South)	1.8d	A		$ 15,265	$ 13,651	$ 28,916			-	-
81	D-FA	Family Life Education Annex	1.1v	Abandon		$ 4,809	$ -	$ 4,809			-	-
82	D-FL	Family Life Education	1.1	A		$ 8,620	$ -	$ 8,620		16	-	-
83	D-FO	Faculty Offices	1.1	B		$ 16,900	$ -	$ 16,900		48	-	-
84	D-FO	Faculty Offices	1.2	C		$ 21,900	$ 14,584	$ 36,484			74	-
85	D-FO	Faculty Offices	2.1v	Abandon		$ 17,862	$ -	$ 17,862			-	-
86	D-FO	Faculty Offices	2.2v	Abandon		$ 46,716	$ -	$ 46,716			-	-
87	D-GY	Gymnasium	1.1d	A		$ 7,780	$ -	$ 7,780			-	-
88	D-GY	Gymnasium Boiler	1.2v	None		$ 100	$ -	$ 100			-	-
89	D-H	Humanities	1.1v	Abandon		$ 41,907	$ -	$ 41,907			-	-
90	D-H	Humanities	1.2d	A		$ 16,100	$ -	$ 16,100			-	-
91	D-HR	Hotel / Restaurant Management	1.1d	No TR		$ -	$ -	$ -			-	-
92	D-L	Library	1.1d	B		$ 10,500	$ -	$ 10,500			-	-
93	D-L	Library	1.2v	Abandon		$ 9,618	$ -	$ 9,618			-	-
94	D-L	Library	1.3d	None		$ 5,030	$ -	$ 5,030			-	-
95	D-L	Library	2.1v	Abandon		$ 6,870	$ -	$ 6,870			-	-
96	D-L	Library	2.2	C		$ 16,000	$ 2,084	$ 18,084			74	-
97	D-L	Library	2.3	B		$ 10,600	$ 4,854	$ 15,454			-	-
98	D-L	Library	3.1	None		$ -	$ 1,151	$ 1,151			-	-
99	D-LA	Liberal Arts	1.1v	Rebuild		$ 103,871	$ -	$ 103,871			-	90
100	D-LC	Learning Center	1.1v	Abandon		$ 22,671	$ -	$ 22,671			-	-
101	D-LC	Learning Center	2.1	B		$ 10,600	$ -	$ 10,600			-	-
102	D-LC	Learning Center	2.2d	None		$ 100	$ 2,084	$ 2,184			-	-
103	D-LC	Learning Center	2.3d	None		$ 100	$ 2,084	$ 2,184			-	-
104	D-LHS	Life/Health Sciences	1.1	A		$ 7,000	$ -	$ 7,000			-	-
105	D-M	Music	1.1	Abandon		$ 58,320	$ -	$ 58,320			-	-
106	D-M	Music	1.2d	B		$ 22,900	$ 14,584	$ 37,484		9	-	-
107	D-MA	Math	1.1	B		$ 16,600	$ -	$ 16,600			-	-
108	D-ML	Mens Locker	1.1d	A		$ 9,820	$ -	$ 9,820			-	-
109	D-OA	Offices Annex	1.1d	A		$ 9,140	$ -	$ 9,140			-	-
110	D-OH	Ornamental Horticulture	None	No TR		$ -	$ -	$ -			-	-

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	A	B	C	D	E	F	G	H	I	J	K	L
	Unique Bldg ID	Building Name	TR ID	FROM PHYSICAL SURVEYS Converged Solution	Timing of Funds Decision for Each TR	Closet Remodeling/ Rewiring Costs	Fiber Optic Riser Cabling Costs	Total Cost	Space Required for Janitor Removal	Space Required for Storage Removal	Space Required to Expand the Existing TR	Additional Space Needed to Rebuild the TR
111	D-PA	Performing Arts	1.1	Abandon		$ 30,228	$ -	$ 30,228			-	-
112	D-PA	Performing Arts	2.1d	Rebuild		$ 70,391	$ -	$ 70,391			-	90
113	D-PB	Press Box	1.1v	None		$ 100	$ -	$ 100			-	-
114	D-PE	Physical Education Building	1.1v	Abandon		$ 24,732	$ -	$ 24,732			-	-
115	D-PE1	Portable No. 1 / Classroom	None	No TR		$ -	$ -	$ -			-	-
116	D-PE2	Portable No. 2 / Training room	1.1	A		$ 7,100	$ -	$ 7,100			-	-
117	D-PES	P.E. Storage	None	No TR		$ -	$ -	$ -			-	-
118	D-PO	Physical Education Offices	2.1	A		$ 9,140	$ -	$ 9,140			-	-
119	D-POL	Police Department	1.1d	None		$ -	$ -	$ -			-	-
120	D-PS-N	Physical Science - North	1.1	A		$ 13,000	$ -	$ 13,000			-	-
121	D-PS-N	Physical Science - North	2.1d	A		$ 13,600	$ -	$ 13,600		9	-	-
122	D-PS-S	Physical Science - South	1.1	A		$ 7,000	$ -	$ 7,000			-	-
123	D-SA	Student Activities	1.1d		Being demolished	$ -	$ -	$ -	90		-	-
124	D-SA	Student Activities	1.2v		Being demolished	$ -	$ -	$ -			-	-
125	D-SA	Student Activities	1.3d		Being demolished	$ -	$ -	$ -			-	-
126	D-SC1	Museum / Planetarium	1.1	None		$ 100	$ -	$ 100			-	-
127	D-SC2	Offices	2.1	Rebuild		$ 94,151	$ -	$ 94,151			-	90
128	D-SC3	Lecture (SC501)	None	No TR		$ -	$ -	$ -			-	-
129	D-SC4	Classroom (SC601)	None	No TR		$ -	$ -	$ -			-	-
130	D-SC5	Astronomy (SC701)	1.1d	B		$ 10,600	$ -	$ 10,600			-	-
131	D-SC6	Observatory (SC801)	None	No TR		$ -	$ -	$ -			-	-
132	D-SC7	Concessions (SC901)	None	No TR		$ -	$ -	$ -			-	-
133	D-SC8	Science Restrooms (SC401/402)	None	No TR		$ -	$ -	$ -			-	-
134	D-SC9	Science Utility	None	No TR		$ -	$ -	$ -			-	-
135	D-SSC	Student Services Center	1.1v		Being demolished	$ -	$ -	$ -			-	-
136	D-SSC	Student Services Center	1.2		Being demolished	$ -	$ -	$ -		36	-	-
137	D-SSC	Student Services Center	1.3v		Being demolished	$ -	$ -	$ -			-	-
138	D-SSC	Student Services Center	1.4v		Being demolished	$ -	$ -	$ -			-	-
139	D-SSC	Student Services Center	2.1d		Being demolished	$ -	$ -	$ -			-	-
140	D-SU	Student Union	1.1	A		$ 20,180	$ -	$ 20,180			-	-
141	D-TB	Toilet Building	None	No TR		$ -	$ -	$ -			-	-
142	D-Temp29	Adaptive PE	None	No TR		$ -	$ -	$ -			-	-
143	D-WL	Womens Locker	None	No TR		$ -	$ -	$ -			-	-
144	D-WM	Warehouse / Maintenance Bldg.	1.1v	Abandon		$ 56,160	$ -	$ 56,160			-	-
145	D-WM	Warehouse / Maintenance Bldg.	1.2d	A		$ 11,180	$ -	$ 11,180			-	-
146	L-CC	College Complex	1.1	A		$ 7,100	$ -	$ 7,100			-	-
147	L-CC	College Complex	1.2	A		$ 7,000	$ -	$ 7,000			-	-
148	L-CC	College Complex	1.3	B		$ 17,600	$ -	$ 17,600			-	-
149	L-CC	College Complex	1.4	Rebuild		$ 58,751	$ -	$ 58,751			-	90
150	L-CC	College Complex	2.1	Abandon		$ 37,785	$ -	$ 37,785			-	-
151	L-CC	College Complex	2.2	A		$ 7,100	$ 13,651	$ 20,751			-	-
152	L-CC	College Complex	2.3	Rebuild		$ 62,651	$ -	$ 62,651			-	90
153	L-CC	College Complex	2.4	None		$ 100	$ 14,584	$ 14,684			-	-
154	L-CC	College Complex	2.5	Rebuild		$ 83,306	$ -	$ 83,306			-	90
155	L-CC	College Complex	2.6	B		$ 22,400	$ 14,584	$ 36,984			-	-
156	L-CC	College Complex	2.7	Abandon		$ 42,075	$ -	$ 42,075			-	-
157	L-CC	College Complex	3.1	Rebuild		$ 62,651	$ -	$ 62,651			-	90
158	L-CC	College Complex	3.2	Rebuild		$ 83,306	$ -	$ 83,306			-	90
159	L-CC	College Complex	3.3		Remodeling in 2 y	$ -	$ -	$ -			-	-
160	L-CC	College Complex	3.4		Remodeling in 2 y	$ -	$ -	$ -			-	-
161	L-CC	College Complex	3.5	Abandon		$ 36,720	$ -	$ 36,720			-	-
162	L-CC	College Complex	3.6	Abandon		$ 21,420	$ -	$ 21,420			-	-
163	L-CC	College Complex	3.7	Abandon		$ 19,236	$ -	$ 19,236			-	-
164	L-CC	College Complex	3.8		Remodeling in 2 y	$ -	$ -	$ -			-	-
165	L-CC	College Complex	4.1		Remodeling in 2 y	$ -	$ -	$ -			-	-

	A	B	C	D	E	F	G	H	I	J	K	L
1	Unique Bldg ID	Building Name	TR ID	FROM PHYSICAL SURVEYS Converged Solution	Timing of Funds Decision for Each TR	Closet Remodeling/ Rewiring Costs	Fiber Optic Riser Cabling Costs	Total Cost	Space Required for Janitor Removal	Space Required for Storage Removal	Space Required to Expand the Existing TR	Additional Space Needed to Rebuild the TR
166	L-CC	College Complex	4.2		Remodeling in 2 y	$ -	$ -	$ -			-	-
167	L-CDC	Child Study Center	1.1	A		$ 7,100	$ -	$ 7,100			-	-
168	L-CDC	Child Study Center	1.1	A		$ 7,100	$ -	$ 7,100			-	-
169	L-EL	EETEC	1.1	No TR		$ -	$ -	$ -			-	-
170	L-GA	Graphic Arts Lab	1.1	A		$ 7,100	$ -	$ 7,100			-	-
171	L-G	Gymnasium	None	No TR		$ -	$ -	$ -			-	-
172	L-HC	Honors Center	1.1	A		$ 7,100	$ -	$ 7,100			-	-
173	L-L	Library	1.1	None		$ -	$ -	$ -			-	-
174	L-LR	Learning Resource II, III, and IV	1.1	None		$ -	$ -	$ -			-	-
175	L-MA	Math	1.1	None		$ -	$ -	$ -			-	-
176	L-MA	Math	2.1	None		$ -	$ 2,084	$ 2,084			-	-
177	L-MU	Music	None	No TR		$ -	$ -	$ -			-	-
178	L-PEB	PE Press Box	None	No TR		$ -	$ -	$ -			-	-
179	L-PEC	Concessions	None	No TR		$ -	$ -	$ -			-	-
180	L-PED	Dance	None	No TR		$ -	$ -	$ -			-	-
181	L-PE	Pool Equipment	None	None		$ -	$ -	$ -			-	-
182	L-PEO	PE Offices	1.1	B	Remodeling 3-5 y	$ 10,600	$ -	$ 10,600			-	-
183	L-PET	PE Training Complex	1.1	A	Remodeling 3-5 y	$ 7,100	$ -	$ 7,100			-	-
184	L-PEW	Weights	None	No TR		$ -	$ -	$ -			-	-
185	L-PS	Offices of Instruction	1.1	Abandon		$ 29,160	$ -	$ 29,160			-	-
186	L-PS	Offices of Instruction	1.2	Rebuild		$ 68,391	$ -	$ 68,391			-	90
187	L-SC	Science	1.1	None		$ -	$ -	$ -			-	-
188	L-SC	Science	2.1	None		$ -	$ 4,854	$ 4,854			-	-
189	L-U	Utility Building	1.1v	None		$ 100	$ -	$ 100			-	-
190	M-EC	District Office	1.1	B		$ 17,100	$ -	$ 17,100		84	-	-
191	M-EC	District Office	3.1v	A		$ 7,000	$ 14,584	$ 21,584			-	-
192	M-EC	District Office	3.2	C		$ 29,770	$ -	$ 29,770			-	-
193	M-EC	District Office	4.1	Abandon		$ 74,520	$ -	$ 74,520			-	-
194	M-EC	District Office	5.1	Rebuild		$ 108,231	$ -	$ 108,231			-	90
195	M-EC	District Office	6.1	Abandon		$ 35,640	$ -	$ 35,640			-	-
196	S-CP	Central Plant	1.1	None		$ 4,000	$ -	$ 4,000			-	-
197	S-EB	East Building	1.1	None		$ -	$ -	$ -			-	-
198	S-EB	East Building	1.2	None		$ -	$ -	$ -			-	-
199	S-EB	East Building	2.1	None		$ -	$ -	$ -			-	-
200	S-WB	West Building	1.1	None		$ -	$ -	$ -			-	-
201	S-WB	West Building	2.1	None		$ -	$ -	$ -			-	-
202		Totals				$ 2,704,073	$ 323,707	$ 3,027,779				
203												
204												
205									90	298	189	990
206												
207									Total Space Required Across the Campus (Sq.Ft.)=			1,567
208												
209										Average		
210							None	$ 71,893	34	$ 2,115	None	
211							a	$ 684,145	47	$ 14,556	a	
212							b	$ 413,740	20	$ 20,687	b	
213							c	$ 100,338	4	$ 25,084	c	
214							abandon	$ 879,690	35	$ 25,134	abandon	
215							rebuild	$ 877,973	11	$ 79,816	rebuild	
216												
217								$ 3,027,779	151	20,052		
218												

	A	B	C	D	E	F
1						
2	#	Categories	Issue to be resolved	Description of solution needed	Infrastructure Cost	Notes
3				Total Cost =	$109,173	
4	1	All Campuses	Some buildings have no fiber at all	Add a combo 12 strand MM and 6 strand SM fiber optic cable (average 500 ft) the buildings	$109,173	
5	2	All Campuses	0	0	None	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1																		
2																		
3	Campus	Campus Alpha	Campus Tag	Bldg Alpha	Unique Bldg ID	CAD Bldg #	Building Name	Address	City	Total floors	# of TRs	OSP MM Fiber	OSP SM Fiber	OSP MM Fiber Stands Installed	OSP Single Mode Strands Installed	Total Ports at Capacity in the TR		Warning
4	Campus	calpha	ctag	balpha	bldgid		bldgname	addrs	city	floors								
5	Brentwood Center	BCR	B	BWC	B-BWC		Brentwood Center	101 Sand Creek Road	Brentwood	1	1	0	0	0	0	633		No Fiber
6	Contra Costa College	CCC	C	A	C-A	037	Art Building	2600 Mission Bell Drive	San Pablo	1	3	6	0	0	0	162		
7	Contra Costa College	CCC	C	AA	C-AA	040	Applied Arts & Administration	2600 Mission Bell Drive	San Pablo	2	5	6	0	6	0	838		
8	Contra Costa College	CCC	C	AT	C-AT	028	Automotive Technology	2600 Mission Bell Drive	San Pablo	1	1	0	0	0	0	128		No Fiber
9	Contra Costa College	CCC	C	B	C-B	016	Biological Science	2600 Mission Bell Drive	San Pablo	1	2	6	6	6	0	70		
10	Contra Costa College	CCC	C	BH	C-BH	034	Boiler House	2600 Mission Bell Drive	San Pablo	1	1	12	12	12	12	14		
11	Contra Costa College	CCC	C	BPB	C-BPB	009	Baseball Press Box	2600 Mission Bell Drive	San Pablo	1	1	0	0	0	0	1		No Fiber
12	Contra Costa College	CCC	C	C	C-C	C	Custodial Office	2600 Mission Bell Drive	San Pablo	1	1	6	0	6	0	18		
13	Contra Costa College	CCC	C	CHS	C-CHS	042	Hazardous Storage	2600 Mission Bell Drive	San Pablo	1	1	0	0	0	0	0		No Fiber
14	Contra Costa College	CCC	C	CON	C-CON	008	Football Concession	2600 Mission Bell Drive	San Pablo	1	1	0	0	0	0	1		No Fiber
15	Contra Costa College	CCC	C	CS	C-CS	CS	Chemical Storage	2600 Mission Bell Drive	San Pablo	1	1	0	0	0	0	0		No Fiber
16	Contra Costa College	CCC	C	CTC	C-CTC		Computer Technology Center	2600 Mission Bell Drive	San Pablo	1	1	12	12	0	0	363		
17	Contra Costa College	CCC	C	ELC	C-ELC		Early Learning Center	2600 Mission Bell Drive	San Pablo	1	1	12	12	0	0	49		
18	Contra Costa College	CCC	C	FPB	C-FPB	007	Football Pressbox	2600 Mission Bell Drive	San Pablo	1	1	0	0	0	0	3		No Fiber
19	Contra Costa College	CCC	C	GA	C-GA	035	Gym Annex	2600 Mission Bell Drive	San Pablo	2	3	6	6	0	0	58		
20	Contra Costa College	CCC	C	GY	C-GY	010	Gymnasium	2600 Mission Bell Drive	San Pablo	1	1	0	0	0	0	3		No Fiber
21	Contra Costa College	CCC	C	H	C-H	011	Humanities Building	2600 Mission Bell Drive	San Pablo	1	5	0	0	0	0	292		No Fiber
22	Contra Costa College	CCC	C	HS	C-HS	038	Health Sciences Building	2600 Mission Bell Drive	San Pablo	2	1	0	0	0	0	20		No Fiber
23	Contra Costa College	CCC	C	LA	C-LA	014	Liberal Arts	2600 Mission Bell Drive	San Pablo	3	4	6	0	18	12	232		
24	Contra Costa College	CCC	C	LLRC	C-LLRC		Library and Learning Resource Cen	2600 Mission Bell Drive	San Pablo	2	2	12	12	12	12	344		
25	Contra Costa College	CCC	C	M	C-M	020	Music	2600 Mission Bell Drive	San Pablo	1	2	6	0	6	0	53		
26	Contra Costa College	CCC	C	MA	C-MA	017	Maintenance	2600 Mission Bell Drive	San Pablo	1	1	0	0	0	0	2		No Fiber
27	Contra Costa College	CCC	C	ML	C-ML	019	Mens Locker	2600 Mission Bell Drive	San Pablo	1	1	0	0	0	0	21		No Fiber
28	Contra Costa College	CCC	C	PAC	C-PAC	039	Performing Arts Center	2600 Mission Bell Drive	San Pablo	1	2	12	12	12	12	57		
29	Contra Costa College	CCC	C	PS	C-PS	021	Physical Science	2600 Mission Bell Drive	San Pablo	1	4	6	0	6	0	201		
30	Contra Costa College	CCC	C	R	C-R		Buildings and Grounds / Police	2600 Mission Bell Drive	San Pablo	1	2	12	12	12	12	103		
31	Contra Costa College	CCC	C	R	C-R	MR	Inventory & Receiving	2600 Mission Bell Drive	San Pablo	1	2	12	12	12	12	103		
32	Contra Costa College	CCC	C	SA	C-SA	023	Student Activities	2600 Mission Bell Drive	San Pablo	1	3	6	0	12	0	180		
33	Contra Costa College	CCC	C	SSC	C-SSC		Student Services Center	2600 Mission Bell Drive	San Pablo	1	1	12	12	12	12	399		
34	Contra Costa College	CCC	C	WL	C-WL	029	Womens Locker	2600 Mission Bell Drive	San Pablo	1	1	12	0	12	0	3		
35	District Office	DO	M	EC	M-EC	001	District Office	500 Court Street	Martinez	5	6	0	24	0	24	826		
36	Diablo Valley College	DVC	D	A	D-A	070	Art Building	321 Golf Club Road	Pleasant Hill	4	4	12	6	0	0	202		
37	Diablo Valley College	DVC	D	AB	D-AB	068	Administration Building	321 Golf Club Road	Pleasant Hill	2	4	0	0	18	0	399		
38	Diablo Valley College	DVC	D	ATC	D-ATC	002	Advanced Technology Center	321 Golf Club Road	Pleasant Hill	1	1	12	12	12	12	492		
39	Diablo Valley College	DVC	D	BC	D-BC		Book Center	321 Golf Club Road	Pleasant Hill	3	1	12	12	12	12	565		
40	Diablo Valley College	DVC	D	BFL	D-BFL	094	Business/Foreign Language	321 Golf Club Road	Pleasant Hill	2	1	12	12	12	12	535		
41	Diablo Valley College	DVC	D	C	D-C	059	Counseling	321 Golf Club Road	Pleasant Hill	1	2	6	6	6	0	300		
42	Diablo Valley College	DVC	D	CCC	D-CCC	095	Community Conference Center	321 Golf Club Road	Pleasant Hill	1	1	0	0	0	0	0		No Fiber
43	Diablo Valley College	DVC	D	DS	D-DS	080	District Storage Building	321 Golf Club Road	Pleasant Hill	1	1	0	0	0	0	0		No Fiber
44	Diablo Valley College	DVC	D	ET	D-ET	058	Engineering Technology Center	321 Golf Club Road	Pleasant Hill	1	8	12	12	12	12	663		
45	Diablo Valley College	DVC	D	FA	D-FA	083	Family Life Education Annex	321 Golf Club Road	Pleasant Hill	1	1	0	0	0	0	6		No Fiber
46	Diablo Valley College	DVC	D	FL	D-FL	060	Family Life Education	321 Golf Club Road	Pleasant Hill	2	1	6	6	0	0	34		
47	Diablo Valley College	DVC	D	FO	D-FO	063	Faculty Offices	321 Golf Club Road	Pleasant Hill	2	4	0	0	0	0	677		No Fiber
48	Diablo Valley College	DVC	D	GY	D-GY	004	Gymnasium	321 Golf Club Road	Pleasant Hill	1	2	6	6	6	6	32		
49	Diablo Valley College	DVC	D	H	D-H	003	Humanities	321 Golf Club Road	Pleasant Hill	1	2	0	0	12	0	147		
50	Diablo Valley College	DVC	D	HR	D-HR	088	Hotel / Restaurant Management	321 Golf Club Road	Pleasant Hill	2	1	0	0	0	0	0		No Fiber
51	Diablo Valley College	DVC	D	L	D-L	057	Library	321 Golf Club Road	Pleasant Hill	3	7	0	0	0	0	1753		No Fiber
52	Diablo Valley College	DVC	D	LA	D-LA	062	Liberal Arts	321 Golf Club Road	Pleasant Hill	2	1	0	0	0	0	54		No Fiber
53	Diablo Valley College	DVC	D	LC	D-LC	061	Learning Center	321 Golf Club Road	Pleasant Hill	2	4	6	6	6	0	337		
54	Diablo Valley College	DVC	D	LHS	D-LHS	012	Life/Health Sciences	321 Golf Club Road	Pleasant Hill	2	1	12	12	12	12	558		
55	Diablo Valley College	DVC	D	M	D-M	009	Music	321 Golf Club Road	Pleasant Hill	2	2	6	12	6	6	222		
56	Diablo Valley College	DVC	D	MA	D-MA	091	Math	321 Golf Club Road	Pleasant Hill	2	1	12	12	12	12	154		

	A	B	C	D	E	F	G	S	T	U	V	W	X	Y
1												$84,630		
2														
3	Campus	Campus Alpha	Campus Tag	Bldg Alpha	Unique Bldg ID	CAD Bldg #	Building Name	Decision	Final Results	Average Footage	Unit Cost for Fiber Addition	Sum Cost		
4	Campus	calpha	ctag	balpha	bldgid		bldgname			500	13.02			
5	Brentwood Center	BCR	B	BWC	B-BWC		Brentwood Center	Campus		0	0	$0		
6	Contra Costa College	CCC	C	A	C-A	037	Art Building			0	0	$0		
7	Contra Costa College	CCC	C	AA	C-AA	040	Applied Arts & Administration			0	0	$0		
8	Contra Costa College	CCC	C	AT	C-AT	028	Automotive Technology	Add fiber	Add Fiber	500	13.02	$6,510		
9	Contra Costa College	CCC	C	B	C-B	016	Biological Science			0	0	$0		
10	Contra Costa College	CCC	C	BH	C-BH	034	Boiler House			0	0	$0		
11	Contra Costa College	CCC	C	BPB	C-BPB	009	Baseball Press Box	Too few ports		0	0	$0		
12	Contra Costa College	CCC	C	C	C-C	C	Custodial Office			0	0	$0		
13	Contra Costa College	CCC	C	CHS	C-CHS	042	Hazardous Storage	Too few ports		0	0	$0		
14	Contra Costa College	CCC	C	CON	C-CON	008	Football Concession	Too few ports		0	0	$0		
15	Contra Costa College	CCC	C	CS	C-CS	CS	Chemical Storage	Too few ports		0	0	$0		
16	Contra Costa College	CCC	C	CTC	C-CTC		Computer Technology Center			0	0	$0		
17	Contra Costa College	CCC	C	ELC	C-ELC		Early Learning Center			0	0	$0		
18	Contra Costa College	CCC	C	FPB	C-FPB	007	Football Pressbox	Too few ports		0	0	$0		
19	Contra Costa College	CCC	C	GA	C-GA	035	Gym Annex			0	0	$0		
20	Contra Costa College	CCC	C	GY	C-GY	010	Gymnasium	Too few ports		0	0	$0		
21	Contra Costa College	CCC	C	H	C-H	011	Humanities Building	Node		0	0	$0		
22	Contra Costa College	CCC	C	HS	C-HS	038	Health Sciences Building	Add fiber	Add Fiber	500	13.02	$6,510		
23	Contra Costa College	CCC	C	LA	C-LA	014	Liberal Arts			0	0	$0		
24	Contra Costa College	CCC	C	LLRC	C-LLRC		Library and Learning Resource Cen			0	0	$0		
25	Contra Costa College	CCC	C	M	C-M	020	Music			0	0	$0		
26	Contra Costa College	CCC	C	MA	C-MA	017	Maintenance	Too few ports		0	0	$0		
27	Contra Costa College	CCC	C	ML	C-ML	019	Mens Locker	Add fiber	Add Fiber	500	13.02	$6,510		
28	Contra Costa College	CCC	C	PAC	C-PAC	039	Performing Arts Center			0	0	$0		
29	Contra Costa College	CCC	C	PS	C-PS	021	Physical Science			0	0	$0		
30	Contra Costa College	CCC	C	R	C-R		Buildings and Grounds / Police			0	0	$0		
31	Contra Costa College	CCC	C	R	C-R	MR	Inventory & Receiving			0	0	$0		
32	Contra Costa College	CCC	C	SA	C-SA	023	Student Activities			0	0	$0		
33	Contra Costa College	CCC	C	SSC	C-SSC		Student Services Center			0	0	$0		
34	Contra Costa College	CCC	C	WL	C-WL	029	Womens Locker			0	0	$0		
35	District Office	DO	M	EC	M-EC	001	District Office	Node		0	0	$0		
36	Diablo Valley College	DVC	D	A	D-A	070	Art Building			0	0	$0		
37	Diablo Valley College	DVC	D	AB	D-AB	068	Administration Building			0	0	$0		
38	Diablo Valley College	DVC	D	ATC	D-ATC	002	Advanced Technology Center			0	0	$0		
39	Diablo Valley College	DVC	D	BC	D-BC		Book Center			0	0	$0		
40	Diablo Valley College	DVC	D	BFL	D-BFL	094	Business/Foreign Language			0	0	$0		
41	Diablo Valley College	DVC	D	C	D-C	059	Counseling			0	0	$0		
42	Diablo Valley College	DVC	D	CCC	D-CCC	095	Community Conference Center	Too few ports		0	0	$0		
43	Diablo Valley College	DVC	D	DS	D-DS	080	District Storage Building	Too few ports		0	0	$0		
44	Diablo Valley College	DVC	D	ET	D-ET	058	Engineering Technology Center			0	0	$0		
45	Diablo Valley College	DVC	D	FA	D-FA	083	Family Life Education Annex	Too few ports		0	0	$0		
46	Diablo Valley College	DVC	D	FL	D-FL	060	Family Life Education			0	0	$0		
47	Diablo Valley College	DVC	D	FO	D-FO	063	Faculty Offices	Add fiber	Add Fiber	500	13.02	$6,510		
48	Diablo Valley College	DVC	D	GY	D-GY	004	Gymnasium			0	0	$0		
49	Diablo Valley College	DVC	D	H	D-H	003	Humanities			0	0	$0		
50	Diablo Valley College	DVC	D	HR	D-HR	088	Hotel / Restaurant Management	Too few ports		0	0	$0		
51	Diablo Valley College	DVC	D	L	D-L	057	Library	Add fiber	Add Fiber	500	13.02	$6,510		
52	Diablo Valley College	DVC	D	LA	D-LA	062	Liberal Arts	Add fiber	Add Fiber	500	13.02	$6,510		
53	Diablo Valley College	DVC	D	LC	D-LC	061	Learning Center			0	0	$0		
54	Diablo Valley College	DVC	D	LHS	D-LHS	012	Life/Health Sciences			0	0	$0		
55	Diablo Valley College	DVC	D	M	D-M	009	Music			0	0	$0		
56	Diablo Valley College	DVC	D	MA	D-MA	091	Math			0	0	$0		

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
3	Campus	Campus Alpha	Campus Tag	Bldg Alpha	Unique Bldg ID	CAD Bldg #	Building Name	Address	City	Total floors	# of TRs	OSP MM Fiber	OSP SM Fiber	OSP MM Fiber Stands Installed	OSP Single Mode Strands Installed	Total Ports at Capacity in the TR		Warning
57	Diablo Valley College	DVC	D	ML	D-ML	008	Mens Locker	321 Golf Club Road	Pleasant Hill	1	1	6	6	6	6	38		
58	Diablo Valley College	DVC	D	OA	D-OA	086	Offices Annex	321 Golf Club Road	Pleasant Hill	1	1	6	6	6	6	38		
59	Diablo Valley College	DVC	D	OH	D-OH	079	Ornamental Horticulture	321 Golf Club Road	Pleasant Hill	1	1	0	0	0	0	0		No Fiber
60	Diablo Valley College	DVC	D	PA	D-PA	023	Performing Arts	321 Golf Club Road	Pleasant Hill	3	2	6	6	6	6	100		
61	Diablo Valley College	DVC	D	PB	D-PB	089	Press Box	321 Golf Club Road	Pleasant Hill	2	1	0	0	0	0	2		No Fiber
62	Diablo Valley College	DVC	D	PE	D-PE	011	Physical Education Building	321 Golf Club Road	Pleasant Hill	2	1	0	0	0	0	33		No Fiber
63	Diablo Valley College	DVC	D	PE1	D-PE1	097	Portable No. 1 / Classroom	321 Golf Club Road	Pleasant Hill	1	1	0	0	0	0	0		No Fiber
64	Diablo Valley College	DVC	D	PE2	D-PE2	096	Portable No. 2 / Training room	321 Golf Club Road	Pleasant Hill	1	1	0	0	6	6	0		
65	Diablo Valley College	DVC	D	PES	D-PES	080	P.E. Storage	321 Golf Club Road	Pleasant Hill	1	1	6	6	0	0	38		
66	Diablo Valley College	DVC	D	PO	D-PO	069	Physical Education Offices	321 Golf Club Road	Pleasant Hill	2	1	12	12	12	12	74		
67	Diablo Valley College	DVC	D	POL	D-POL		Police Department	321 Golf Club Road	Pleasant Hill	1	1	0	0	0	0	96		No Fiber
68	Diablo Valley College	DVC	D	PS-N	D-PS-N	093	Physical Science - North	321 Golf Club Road	Pleasant Hill	3	2	18	18	18	12	401		
69	Diablo Valley College	DVC	D	PS-S	D-PS-S	092	Physical Science - South	321 Golf Club Road	Pleasant Hill	3	1	0	0	6	0	149		
70	Diablo Valley College	DVC	D	SA	D-SA	018	Student Activities	321 Golf Club Road	Pleasant Hill	1	3	6	6	6	6	209		
71	Diablo Valley College	DVC	D	SC1	D-SC1	014	Museum / Planetarium	321 Golf Club Road	Pleasant Hill	2	1	6	6	6	6	75		
72	Diablo Valley College	DVC	D	SC2	D-SC2	071	Offices	321 Golf Club Road	Pleasant Hill	3	1	6	6	6	0	84		
73	Diablo Valley College	DVC	D	SC3	D-SC3	072	Lecture (SC501)	321 Golf Club Road	Pleasant Hill	1	1	0	0	0	0	0		No Fiber
74	Diablo Valley College	DVC	D	SC4	D-SC4	073	Classroom (SC601)	321 Golf Club Road	Pleasant Hill	1	1	0	0	0	0	0		No Fiber
75	Diablo Valley College	DVC	D	SC5	D-SC5	074	Astronomy (SC701)	321 Golf Club Road	Pleasant Hill	1	1	0	0	0	0	38		No Fiber
76	Diablo Valley College	DVC	D	SC6	D-SC6	075	Observatory (SC801)	321 Golf Club Road	Pleasant Hill	1	1	0	0	0	0	0		No Fiber
77	Diablo Valley College	DVC	D	SC7	D-SC7	076	Concessions (SC901)	321 Golf Club Road	Pleasant Hill	1	1	0	0	0	0	0		No Fiber
78	Diablo Valley College	DVC	D	SC8	D-SC8	077	Science Restrooms (SC401/402)	321 Golf Club Road	Pleasant Hill	1	1	0	0	0	0	0		No Fiber
79	Diablo Valley College	DVC	D	SC9	D-SC9	078	Science Utility	321 Golf Club Road	Pleasant Hill	1	1	0	0	0	0	0		No Fiber
80	Diablo Valley College	DVC	D	SSC	D-SSC	006	Student Services Center	321 Golf Club Road	Pleasant Hill	2	5	18	12	12	12	854		
81	Diablo Valley College	DVC	D	SU	D-SU	090	Student Union	321 Golf Club Road	Pleasant Hill	2	1	6	6	6	6	85		
82	Diablo Valley College	DVC	D	TB	D-TB	081	Toilet Building	321 Golf Club Road	Pleasant Hill	1	1	0	0	0	0	0		No Fiber
83	Diablo Valley College	DVC	D	Temp29	D-Temp29	082	Adaptive PE	321 Golf Club Road	Pleasant Hill	1	1	0	0	0	0	0		No Fiber
84	Diablo Valley College	DVC	D	WL	D-WL	047	Womens Locker	321 Golf Club Road	Pleasant Hill	1	1	0	0	0	0	0		No Fiber
85	Diablo Valley College	DVC	D	WM	D-WM		Warehouse / Maintenance Bldg.	321 Golf Club Road	Pleasant Hill	1	2	6	6	6	6	107		
86	Los Medanos College	LMC	L	CC	L-CC	001	College Complex	2700 East Leland Road	Pittsburg	4	21	54	24	24	24	3292		
87	Los Medanos College	LMC	L	CDC	L-CDC	003	Child Study Center	2700 East Leland Road	Pittsburg	2	2	12	0	12	0	76		
88	Los Medanos College	LMC	L	EL	L-EL		EETEC	2700 East Leland Road	Pittsburg	1	1	0	0	0	0	19		No Fiber
89	Los Medanos College	LMC	L	G	L-G	004	Gymnasium	2700 East Leland Road	Pittsburg	1	1	0	0	0	0	61		No Fiber
90	Los Medanos College	LMC	L	GA	L-GA	021	Graphic Arts Lab	2700 East Leland Road	Pittsburg	1	1	0	0	0	0	0		No Fiber
91	Los Medanos College	LMC	L	HC	L-HC	019	Honors Center	2700 East Leland Road	Pittsburg	1	1	0	0	0	0	34		No Fiber
92	Los Medanos College	LMC	L	L	L-L	002	Library	2700 East Leland Road	Pittsburg	3	1	24	12	24	12	517		
93	Los Medanos College	LMC	L	LR	L-LR	002	Learning Resource II, III, and IV	2700 East Leland Road	Pittsburg	4	1	0	0	0	0	171		No Fiber
94	Los Medanos College	LMC	L	MA	L-MA	020	Math Labs	2700 East Leland Road	Pittsburg	1	2	36	12	72	24	315		
95	Los Medanos College	LMC	L	MA	L-MA		Math	2700 East Leland Road	Pittsburg	2	2	36	12	72	24	315		
96	Los Medanos College	LMC	L	MU	L-MU		Music	2700 East Leland Road	Pittsburg	1	1	0	0	0	0	0		No Fiber
97	Los Medanos College	LMC	L	PE	L-PE	013	Pool Equipment	2700 East Leland Road	Pittsburg	1	1	0	0	0	0	0		No Fiber
98	Los Medanos College	LMC	L	PEB	L-PEB	007	PE Press Box	2700 East Leland Road	Pittsburg	1	1	0	0	0	0	0		No Fiber
99	Los Medanos College	LMC	L	PEC	L-PEC	014	Concessions	2700 East Leland Road	Pittsburg	1	1	0	0	0	0	0		No Fiber
100	Los Medanos College	LMC	L	PED	L-PED	016	Dance	2700 East Leland Road	Pittsburg	1	1	0	0	0	0	0		No Fiber
101	Los Medanos College	LMC	L	PEO	L-PEO		PE Offices	2700 East Leland Road	Pittsburg	1	1	0	0	4	0	39		
102	Los Medanos College	LMC	L	PET	L-PET	015	PE Training Complex	2700 East Leland Road	Pittsburg	1	1	6	0	6	0	79		
103	Los Medanos College	LMC	L	PEW	L-PEW	017	Weights	2700 East Leland Road	Pittsburg	1	1	0	0	0	0	0		No Fiber
104	Los Medanos College	LMC	L	PS	L-PS	018	Offices of Instruction	2700 East Leland Road	Pittsburg	2	2	6	0	6	0	76		
105	Los Medanos College	LMC	L	SC	L-SC		Science	2700 East Leland Road	Pittsburg	3	2	12	36	72	24	530		
106	Los Medanos College	LMC	L	U	L-U	012	Utility Building	2700 East Leland Road	Pittsburg	1	1	0	0	0	0	2		No Fiber
107	San Ramon Valley Center	SRC	S	CP	S-CP	003	Central Plant	1690 Watermill Road	San Ramon	1	1	0	48	0	48	27		
108	San Ramon Valley Center	SRC	S	EB	S-EB	001	East Building	1690 Watermill Road	San Ramon	2	3	0	0	0	0	514		No Fiber
109	San Ramon Valley Center	SRC	S	WB	S-WB	002	West Building	1690 Watermill Road	San Ramon	2	2	48	12	48	24	455		

	A	B	C	D	E	F	G	S	T	U	V	W	X	Y
1												$84,630		
2														
3	Campus	Campus Alpha	Campus Tag	Bldg Alpha	Unique Bldg ID	CAD Bldg #	Building Name	Decision	Final Results	Average Footage	Unit Cost for Fiber Addition	Sum Cost		
57	Diablo Valley College	DVC	D	ML	D-ML	008	Mens Locker			0	0	$0		
58	Diablo Valley College	DVC	D	OA	D-OA	086	Offices Annex			0	0	$0		
59	Diablo Valley College	DVC	D	OH	D-OH	079	Ornamental Horticulture	Too few ports		0	0	$0		
60	Diablo Valley College	DVC	D	PA	D-PA	023	Performing Arts			0	0	$0		
61	Diablo Valley College	DVC	D	PB	D-PB	089	Press Box	Too few ports		0	0	$0		
62	Diablo Valley College	DVC	D	PE	D-PE	011	Physical Education Building	Add fiber	Add Fiber	500	13.02	$6,510		
63	Diablo Valley College	DVC	D	PE1	D-PE1	097	Portable No. 1 / Classroom	Too few ports		0	0	$0		
64	Diablo Valley College	DVC	D	PE2	D-PE2	096	Portable No. 2 / Training room			0	0	$0		
65	Diablo Valley College	DVC	D	PES	D-PES	080	P.E. Storage			0	0	$0		
66	Diablo Valley College	DVC	D	PO	D-PO	069	Physical Education Offices			0	0	$0		
67	Diablo Valley College	DVC	D	POL	D-POL		Police Department	Add fiber	Add Fiber	500	13.02	$6,510		
68	Diablo Valley College	DVC	D	PS-N	D-PS-N	093	Physical Science - North			0	0	$0		
69	Diablo Valley College	DVC	D	PS-S	D-PS-S	092	Physical Science - South			0	0	$0		
70	Diablo Valley College	DVC	D	SA	D-SA	018	Student Activities			0	0	$0		
71	Diablo Valley College	DVC	D	SC1	D-SC1	014	Museum / Planetarium			0	0	$0		
72	Diablo Valley College	DVC	D	SC2	D-SC2	071	Offices			0	0	$0		
73	Diablo Valley College	DVC	D	SC3	D-SC3	072	Lecture (SC501)	Too few ports		0	0	$0		
74	Diablo Valley College	DVC	D	SC4	D-SC4	073	Classroom (SC601)	Too few ports		0	0	$0		
75	Diablo Valley College	DVC	D	SC5	D-SC5	074	Astronomy (SC701)	Add fiber	Add Fiber	500	13.02	$6,510		
76	Diablo Valley College	DVC	D	SC6	D-SC6	075	Observatory (SC801)	Too few ports		0	0	$0		
77	Diablo Valley College	DVC	D	SC7	D-SC7	076	Concessions (SC901)	Too few ports		0	0	$0		
78	Diablo Valley College	DVC	D	SC8	D-SC8	077	Science Restrooms (SC401/402)	Too few ports		0	0	$0		
79	Diablo Valley College	DVC	D	SC9	D-SC9	078	Science Utility	Too few ports		0	0	$0		
80	Diablo Valley College	DVC	D	SSC	D-SSC	006	Student Services Center			0	0	$0		
81	Diablo Valley College	DVC	D	SU	D-SU	090	Student Union			0	0	$0		
82	Diablo Valley College	DVC	D	TB	D-TB	081	Toilet Building	Too few ports		0	0	$0		
83	Diablo Valley College	DVC	D	Temp29	D-Temp29	082	Adaptive PE	Too few ports		0	0	$0		
84	Diablo Valley College	DVC	D	WL	D-WL	047	Womens Locker	Too few ports		0	0	$0		
85	Diablo Valley College	DVC	D	WM	D-WM		Warehouse / Maintenance Bldg.			0	0	$0		
86	Los Medanos College	LMC	L	CC	L-CC	001	College Complex	Node		0	0	$0		
87	Los Medanos College	LMC	L	CDC	L-CDC	003	Child Study Center			0	0	$0		
88	Los Medanos College	LMC	L	EL	L-EL		EETEC	Add fiber	Add Fiber	500	13.02	$6,510		
89	Los Medanos College	LMC	L	G	L-G	004	Gymnasium	Add fiber	Add Fiber	500	13.02	$6,510		
90	Los Medanos College	LMC	L	GA	L-GA	021	Graphic Arts Lab	Too few ports		0	0	$0		
91	Los Medanos College	LMC	L	HC	L-HC	019	Honors Center	Add fiber	Add Fiber	500	13.02	$6,510		
92	Los Medanos College	LMC	L	L	L-L	002	Library			0	0	$0		
93	Los Medanos College	LMC	L	LR	L-LR	002	Learning Resource II, III, and IV	Add fiber	Add Fiber	500	13.02	$6,510		
94	Los Medanos College	LMC	L	MA	L-MA	020	Math Labs			0	0	$0		
95	Los Medanos College	LMC	L	MA	L-MA		Math			0	0	$0		
96	Los Medanos College	LMC	L	MU	L-MU		Music	Too few ports		0	0	$0		
97	Los Medanos College	LMC	L	PE	L-PE	013	Pool Equipment	Too few ports		0	0	$0		
98	Los Medanos College	LMC	L	PEB	L-PEB	007	PE Press Box	Too few ports		0	0	$0		
99	Los Medanos College	LMC	L	PEC	L-PEC	014	Concessions	Too few ports		0	0	$0		
100	Los Medanos College	LMC	L	PED	L-PED	016	Dance	Too few ports		0	0	$0		
101	Los Medanos College	LMC	L	PEO	L-PEO		PE Offices			0	0	$0		
102	Los Medanos College	LMC	L	PET	L-PET	015	PE Training Complex			0	0	$0		
103	Los Medanos College	LMC	L	PEW	L-PEW	017	Weights	Too few ports		0	0	$0		
104	Los Medanos College	LMC	L	PS	L-PS	018	Offices of Instruction			0	0	$0		
105	Los Medanos College	LMC	L	SC	L-SC		Science			0	0	$0		
106	Los Medanos College	LMC	L	U	L-U	012	Utility Building	Too few ports		0	0	$0		
107	San Ramon Valley Center	SRC	S	CP	S-CP	003	Central Plant			0	0	$0		
108	San Ramon Valley Center	SRC	S	EB	S-EB	001	East Building	Node		0	0	$0		
109	San Ramon Valley Center	SRC	S	WB	S-WB	002	West Building			0	0	$0		

Attachment III

Voice Network Capital Costs

Summary pages are included in the written report. The detailed data files are included on the accompanying CD.

Contra Costa Telecommunications Strategic Plan
Voice Capital

	A	B	C	D	E	F	G	H	I	J	K
1		Config I	Config II	Config III	Config IV	Config V	Config VI	Config VII	Config VIII	Config IX	Config X
2	**Wireless Network Summary**	**Mitel**	**Upgraded Mitel**	**Hybrid IP-PBX**	**Upgraded Mitel**	**New IP-PBX or Serverbased VoIP System**	**Mitel**	**Upgraded Mitel**	**Hybrid IP-PBX**	**Upgraded Mitel**	**New IP-PBX or Serverbased VoIP System**
3		Analog Phone -> Analog Phone	Analog Phone -> Analog Phone	Analog Phone -> Analog Phone	Analog Phone -> Analog Phone	Analog Phone -> Analog Phone	Analog Phone -> Analog Phone	Analog Phone -> Analog Phone	Analog Phone -> Analog Phone	Analog Phone -> Analog Phone	Analog Phone -> Analog Phone
4		Digital Phone -> Digital Phone	Digital Phone -> 50% Digital Phones and 50% VoIP Phones	Digital Phone -> 50% Digital Phones and 50% VoIP Phones	Digital Phone -> 100% VoIP Phones	Digital Phone -> 100% VoIP Phones	Digital Phone -> Digital Phone	Digital Phone -> 50% Digital Phones and 50% VoIP Phones	Digital Phone -> 50% Digital Phones and 50% VoIP Phones	Digital Phone -> 100% VoIP Phones	Digital Phone -> 100% VoIP Phones
5		Wireless Overlay	Wireless Overlay	Wireless Overlay	Wireless Overlay	Wireless Overlay	Wireless Overlay	Wireless Overlay	Wireless Overlay	Wireless Overlay	Wireless Overlay
6		100/1000 MB Non-POE Data (working@cut)	100/1000 MB POE Data (working@cut)	100/1000 MB POE Data (working@cut)	100/1000 MB POE Data (working@cut)	100/1000 MB POE Data (working@cut)	100/1000 MB Data (working@cut)	100/1000 MB POE Data (working@cut)	100/1000 MB POE Data (working@cut)	100/1000 MB POE Data (working@cut)	100/1000 MB POE Data (working@cut)
7		Less Survivable	Less Survivable	Less Survivable	Less Survivable	Less Survivable	More Survivable	More Survivable	More Survivable	More Survivable	More Survivable
8											
9	Voice Network Cost										
10	Voice System Base Price	$146,305	$673,340	$1,064,990	$673,340	$1,046,875	$292,731	$696,158	$1,582,018	$1,157,571	$1,313,636
11	End User Telephone Devices - Analog	Existing	Existing	$0	Existing	$0	Existing	Existing	$0	Existing	$0
12	End User Telephone Devices - Digital	Existing	Existing	$311,410	Existing	$0	Existing	Existing	$311,410	Existing	$0
13	End User Telephone Devices - Wired VoIP	$0	$302,077	$390,960	$612,917	$793,260	$0	$302,077	$390,960	$612,917	$793,260
14	End User Telephone Devices - Wireless VoIP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	Voice System Total Cost	$146,305	$975,417	$1,767,360	$1,286,257	$1,840,135	$292,731	$998,235	$2,284,388	$1,770,488	$2,106,896
16											
17	**Adjunct Systems**										
18	Voice Mail w/Unified Communications	$250,000	$250,000	$250,000	$250,000	$250,000	$300,000	$300,000	$300,000	$300,000	$300,000
19	E-911 System	$75,000	$75,000	$75,000	$75,000	$75,000	$75,000	$75,000	$75,000	$75,000	$75,000
20	ACD/Call Center	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000
21	Telemanagement System	NA	$95,000	$95,000	$95,000	$95,000	NA	$95,000	$95,000	$95,000	$95,000
22	Adjunct Systems Total Cost	$375,000	$470,000	$470,000	$470,000	$470,000	$425,000	$520,000	$520,000	$520,000	$520,000
23											
24											
25	Total Cost	$521,305	$1,445,417	$2,237,360	$1,756,257	$2,310,135	$717,731	$1,518,235	$2,804,388	$2,290,488	$2,626,896
26	Total Ports (Equipped)	3432	3432	3432	3432	3432	3432	3432	3432	3432	3432
27	Average cost per port	$151.90	$421.16	$651.91	$511.73	$673.12	$209.13	$442.38	$817.13	$667.39	$765.41
28											
29											
30	Costs included in the Voice System Base Price	Core hardware and software costs									
31		Media gateways and blades									
32		Licensing									
33		As-built drawings									
34		Base system installation									
35		Project management labor									
36		On-site training									
37		Design time									
38		Telephone set placement and testing									
39		Help desk labor									
40		De-installation of hardware									
41		Voice System UPS									
42											
43	Costs included in the End User Devices	The telephone									
44											
45	Costs included in the Adjunct Systems	Installation									
46		Programming									
47		Training									

Attachment IV

Data Network Capital Costs

Summary pages are included in the written report. The detailed data files are included on the accompanying CD.

	A	B	C	D	E	F	G	H	I	J	K
1		Config I	Config II	Config III	Config IV	Config V	Config VI	Config VII	Config VIII	Config IX	Config X
2	**Configuration Alternatives**	100/1000 MB Non-POE Data (working@cut)	100/1000 MB POE Data (working@cut)	100/1000 MB POE Data (working@cut)	100/1000 MB POE Data (working@cut)	100/1000 MB POE Data (working@cut)	100/1000 MB Data (working@cut)	100/1000 MB POE Data (working@cut)	100/1000 MB POE Data (working@cut)	100/1000 MB POE Data (working@cut)	100/1000 MB POE Data (working@cut)
3		Mitel	Upgraded Mitel	Hybrid IP-PBX	Upgraded Mitel	New IP-PBX or Serverbased VoIP System	Mitel	Upgraded Mitel	Hybrid IP-PBX	Upgraded Mitel	New IP-PBX or Serverbased VoIP System
4		Less Survivable	Less Survivable	Less Survivable	Less Survivable	Less Survivable	More Survivable	More Survivable	More Survivable	More Survivable	More Survivable
5											
6	**Data Network Components**										
7	Edge - 48-port wo PoE	$ 487,312	$ -	$ -	$ -	$ -	$ 487,312	$ -	$ -	$ -	$ -
8	Edge - 24-port wo PoE	$ 65,237	$ -	$ -	$ -	$ -	$ 65,237	$ -	$ -	$ -	$ -
9	Edge - 8-port wo PoE	$ 1,868	$ -	$ -	$ -	$ -	$ 1,868	$ -	$ -	$ -	$ -
10	Edge - 48-port with PoE	$ -	$ 635,475	$ 635,475	$ 635,475	$ 635,475	$ -	$ 635,475	$ 635,475	$ 635,475	$ 635,475
11	Edge - 24-port with PoE	$ -	$ 94,722	$ 94,722	$ 94,722	$ 94,722	$ -	$ 94,722	$ 94,722	$ 94,722	$ 94,722
12	Edge - 8-port with PoE	$ 139,668	$ 50,887	$ 50,887	$ 50,887	$ 50,887	$ 139,668	$ 50,887	$ 50,887	$ 50,887	$ 50,887
13	Edge - UPS	$ 117,500	$ 75,500	$ 75,500	$ 75,500	$ 75,500	$ 117,500	$ 75,500	$ 75,500	$ 75,500	$ 75,500
14	Edge - Configuration and Installation	$ 155,040	$ 118,560	$ 118,560	$ 118,560	$ 118,560	$ 155,040	$ 118,560	$ 118,560	$ 118,560	$ 118,560
15	Distribution Switches	$ 37,495	$ 37,495	$ 37,495	$ 37,495	$ 37,495	$ 37,495	$ 37,495	$ 37,495	$ 37,495	$ 37,495
16	Redundant Distribution Switches	$ -	$ -	$ -	$ -	$ -	$ 37,495	$ 37,495	$ 37,495	$ 37,495	$ 37,495
17	Distribution - Configuration and Installation	$ 7,680	$ 7,680	$ 7,680	$ 7,680	$ 7,680	$ 15,360	$ 15,360	$ 15,360	$ 15,360	$ 15,360
18	District Core (DO)	$ 430,368	$ 430,368	$ 430,368	$ 430,368	$ 430,368	$ 430,368	$ 430,368	$ 430,368	$ 430,368	$ 430,368
19	Disaster Recovery Core (DVC)	$ -	$ -	$ -	$ -	$ -	$ 107,592	$ 107,592	$ 107,592	$ 107,592	$ 107,592
20	Core - Configuration and Installation	$ 46,080	$ 46,080	$ 46,080	$ 46,080	$ 46,080	$ 57,600	$ 57,600	$ 57,600	$ 57,600	$ 57,600
21	Network Design and Engineering	$ 74,412	$ 74,838	$ 74,838	$ 74,838	$ 74,838	$ 82,627	$ 83,053	$ 83,053	$ 83,053	$ 83,053
22	**Data Network Total Cost**	$ 1,562,660	$ 1,571,606	$ 1,571,606	$ 1,571,606	$ 1,571,606	$ 1,735,161	$ 1,744,107	$ 1,744,107	$ 1,744,107	$ 1,744,107
23											
24											
25	**Adjunct Systems**										
26	None included										
27	**Data Network Total Adjunct System Cost**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
28											
29											
30											
31	Before switch count change										
32	**Data Network Total Cost**	$ 2,211,248	$ 2,228,336	$ 2,228,336	$ 2,228,336	$ 2,228,336	$ 2,383,749	$ 2,400,837	$ 2,400,837	$ 2,400,837	$ 2,400,837
33											
34	After change to DVC and SRC in the ports only										
35	**Data Network Total Cost**	$ 1,851,032	$ 1,895,325	$ 1,895,325	$ 1,895,325	$ 1,895,325	$ 2,023,533	$ 2,067,826	$ 2,067,826	$ 2,067,826	$ 2,067,826
36											
37	After change in DVC, LMC, and SRC in switch counts										
38	**Data Network Total Cost**	$ 1,562,660	$ 1,571,606	$ 1,571,606	$ 1,571,606	$ 1,571,606	$ 1,735,161	$ 1,744,107	$ 1,744,107	$ 1,744,107	$ 1,744,107
39		42%	42%	42%	42%	42%	37%	38%	38%	38%	38%
40											
41		$ 2,211,248.13	$ 2,228,335.94	$ 2,228,335.94	$ 2,228,335.94	$ 2,228,335.94	$ 2,383,749.27	$ 2,400,837.08	$ 2,400,837.08	$ 2,400,837.08	$ 2,400,837.08

# of Switches	Config I	Config VI	Configurations II, III, VII, VIII	Config IV, V, IX, X
48-port wo PoE	157	157	0	0
24-port wo PoE	35	35	0	0
8-port wo PoE	2	2	0	0
48-port with PoE	0	0	159	159
24-port with PoE	0	0	41	41
8-port with PoE	129	129	47	47
Total	323	323	247	247

# of UPS	Config I	Config VI	Configurations II, III, VII, VIII	Config IV, V, IX, X
Total	235	235	151	151

This reflects the following switch reductions per the client:

50% DVC Reduced by this percentage because they already have good hardware and POE in 50% of the TRs (Per Client)
50% LMC Reduced by this percentage because they already have good hardware and POE in 50% of the TRs (Per Client)
100% SRC Reduced by this percentage because they already have good hardware and POE in 100% of the TRs (Per Client)

Attachment V

Wireless Local Area Network Costs

Summary pages are included in the written report. The detailed data files are included on the accompanying CD.

	A	B	C	D	E	F	G	H	I	J	K	L
1	Campus	Unique Bldg ID	Building Name	Consolidated TR ID	Permanent vs. Temporary Buildings	802.11x Wireless for the Building Yes/No	Building Type	Determining If We Will Install Wireless (apply wireless to permanent at I and II buildings only)	Total Gross Square Footage Served by Each TR	Total Working at Cut Voice Services in the TR	Working at Cut Network Ports Provided through Equipment in This TR	Survey Count of Network Switches
2		Non-Converged TR DataBase						A Calculation	A Calculation	3119		
3												
4	Brentwood Center	B-BWC	Brentwood Center	B-BWC-1.1	Permanent	Yes	Academic	YES	7,125	48	288	1
5	Contra Costa	C-A	Art Building	C-A-1.1	Permanent	Yes	Academic	YES	5,765	9	24	2
6	Contra Costa	C-A	Art Building	C-A-1.2	Permanent	Yes	Academic	YES	5,765	0	48	1
7	Contra Costa	C-A	Art Building	C-A-1.3	Permanent	Yes	Academic	YES	5,765	6	0	
8	Contra Costa	C-AA	Applied Arts & Administration	C-AA-1.1	Permanent	Yes	Academic	YES	11,890	40	126	8
9	Contra Costa	C-AA	Applied Arts & Administration	C-AA-1.2	Permanent	Yes	Academic	YES	11,890	8	0	
10	Contra Costa	C-AA	Applied Arts & Administration	C-AA-2.1	Permanent	Yes	Academic	YES	5,945	38	48	2
11	Contra Costa	C-AA	Applied Arts & Administration	C-AA-2.2	Permanent	Yes	Academic	YES	5,945	15	0	
12	Contra Costa	C-AA	Applied Arts & Administration	C-AA-2.3	Permanent	Yes	Academic	YES	5,945	0	192	4
13	Contra Costa	C-AT	Automotive Technology	C-AT-1.1	Permanent	Yes	Academic	YES	10,761	11	72	2
14	Contra Costa	C-B	Biological Science	C-B-1.1d	Permanent	Yes	Academic	YES	10,064	0	48	1
15	Contra Costa	C-B	Biological Science	C-B-1.2v	Permanent	Yes	Academic	YES	10,064	11	0	
16	Contra Costa	C-BH	Boiler House	C-BH-1.1	Permanent	Yes	Academic	YES	140	2	10	1
17	Contra Costa	C-BPB	Baseball Press Box	C-BPB-None	Permanent	Yes	Academic	YES	60	1	0	
18	Contra Costa	C-C	Custodial Office	C-C-1.1	Permanent	Yes	Academic	YES	579	8	8	1
19	Contra Costa	C-CHS	Hazardous Storage	C-CHS-None	Permanent	Yes	Academic	YES	350	0	0	
20	Contra Costa	C-CON	Football Concession	C-CON-None	Permanent	Yes	Academic	YES	245	1	0	
21	Contra Costa	C-CS	Chemical Storage	C-CS-None	Permanent	Yes	Academic	YES	2,612	0	0	
22	Contra Costa	C-CTC	Computer Technology Center	C-CTC-1.1	Permanent	Yes	Academic	YES	560	16	288	6
23	Contra Costa	C-ELC	Early Learning Center	C-ELC-1.1	Permanent	Yes	Academic	YES	3,989	11	24	1
24	Contra Costa	C-FPB	Football Pressbox	C-FPB-1.1	Permanent	Yes	Academic	YES	336	2	1	
25	Contra Costa	C-GA	Gym Annex	C-GA-1.1v	Permanent	Yes	Academic	YES	2,989	4	0	
26	Contra Costa	C-GA	Gym Annex	C-GA-2.1v	Permanent	Yes	Academic	YES	2,989	15	0	
27	Contra Costa	C-GA	Gym Annex	C-GA-2.2	Permanent	Yes	Academic	YES	5,978	0	24	1
28	Contra Costa	C-GY	Gymnasium	C-GY-None	Permanent	Yes	Academic	YES	12,361	3	0	
29	Contra Costa	C-H	Humanities Building	C-H-1.1d	Permanent	Yes	Academic	YES	3,392	0	216	10
30	Contra Costa	C-H	Humanities Building	C-H-1.2	Permanent	Yes	Academic	YES	3,392	0	16	1
31	Contra Costa	C-H	Humanities Building	C-H-1.3d	Permanent	Yes	Academic	YES	3,392	0	0	
32	Contra Costa	C-H	Humanities Building	C-H-1.4v	Permanent	Yes	Academic	YES	5,139	0	0	
33	Contra Costa	C-H	Humanities Building	C-H-1.5v	Permanent	Yes	Academic	YES	5,139	13	0	
34	Contra Costa	C-HS	Health Sciences Building	C-HS-1.1v	Permanent	Yes	Academic	YES	2,518	18	0	
35	Contra Costa	C-LA	Liberal Arts	C-LA-0.1	Permanent	Yes	Academic	YES	4,391	50	120	4
36	Contra Costa	C-LA	Liberal Arts	C-LA-0.2v	Permanent	Yes	Academic	YES	4,391	3	0	
37	Contra Costa	C-LA	Liberal Arts	C-LA-1.1	Permanent	Yes	Academic	YES	4,391	0	0	
38	Contra Costa	C-LA	Liberal Arts	C-LA-2.1	Permanent	Yes	Academic	YES	4,391	4	24	1

	Building Name	Consolidated TR ID	Decision on How Many Network Connections to Count (using the Client database unless it shows 0)	Number of Access Points Needed to Cover the Square Footage Using Assumption 7	If There Is No Square Footage Information, but There Are Telephones, We Will Install Assumption 8 Access Points	Ratio of Telephones to Each Access Point	The Ratio of Telephones Is Not an Issue in This Configuration - Override the Formula	TR Type 1 = MDF 2 = IDF 3 = Voice Only 4 = Node	Added Access Points for outside the Building (wired from the MDF - using Assumption 9)	Sum of the Access Points Needed in Each TR (Assumption = DVC is 50% OK, LMC is 30%OK, and SRC is 70% OK already)	Sum of the Wireless Controller Blades in the Distribution Switches
			C	D	M	N	O	P	Q	R	S	T	U
2	d TR DataBase		Decision	213	1		0			238	248	6
3				assump	assump		assump			assump	Convaps	
4	Brentwood Center	B-BWC-1.1	288	1	0	48.0	0	MDF	2	3	1
5	Art Building	C-A-1.1	24	1	0	9.0	0	MDF	2	3	
6	Art Building	C-A-1.2	48	1	0	0.0	0	IDF	0	1	
7	Art Building	C-A-1.3		1	0	6.0	0	IDF	0	1	
8	Applied Arts & Administration	C-AA-1.1	126	2	0	20.0	0	MDF	2	4	
9	Applied Arts & Administration	C-AA-1.2		2	0	4.0	0	IDF	0	2	
10	Applied Arts & Administration	C-AA-2.1	48	1	0	38.0	0	IDF	0	1	
11	Applied Arts & Administration	C-AA-2.2		1	0	15.0	0	IDF	0	1	
12	Applied Arts & Administration	C-AA-2.3	192	1	0	0.0	0	IDF	0	1	
13	Automotive Technology	C-AT-1.1	72	1	0	11.0	0	IDF	0	1	
14	Biological Science	C-B-1.1d	48	1	0	0.0	0	MDF	2	3	
15	Biological Science	C-B-1.2v		1	0	11.0	0	MDF	2	3	
16	Boiler House	C-BH-1.1	10	1	0	2.0	0	MDF	2	3	
17	Baseball Press Box	C-BPB-None		1	0	1.0	0	MDF	2	3	
18	Custodial Office	C-C-1.1	8	1	0	8.0	0	MDF	2	3	
19	Hazardous Storage	C-CHS-None		1	0	0.0	0	MDF	2	3	
20	Football Concession	C-CON-None		1	0	1.0	0	MDF	2	3	
21	Chemical Storage	C-CS-None		1	0	0.0	0	MDF	2	3	
22	Computer Technology Center	C-CTC-1.1	288	1	0	16.0	0	MDF	2	3	
23	Early Learning Center	C-ELC-1.1	24	1	0	11.0	0	MDF	2	3	
24	Football Pressbox	C-FPB-1.1	1	1	0	2.0	0	MDF	2	3	
25	Gym Annex	C-GA-1.1v		1	0	4.0	0	MDF	2	3	
26	Gym Annex	C-GA-2.1v		1	0	15.0	0	MDF	2	3	
27	Gym Annex	C-GA-2.2	24	1	0	0.0	0	MDF	2	3	
28	Gymnasium	C-GY-None		2	0	1.5	0	MDF	2	4	
29	Humanities Building	C-H-1.1d	216	1	0	0.0	0	MDF	2	3	1
30	Humanities Building	C-H-1.2	16	1	0	0.0	0	IDF	0	1	
31	Humanities Building	C-H-1.3d		1	0	0.0	0	IDF	0	1	
32	Humanities Building	C-H-1.4v		1	0	0.0	0	IDF	0	1	
33	Humanities Building	C-H-1.5v		1	0	13.0	0	MDF	2	3	
34	Health Sciences Building	C-HS-1.1v		1	0	18.0	0	IDF	0	1	
35	Liberal Arts	C-LA-0.1	120	1	0	50.0	0	MDF	2	3	
36	Liberal Arts	C-LA-0.2v		1	0	3.0	0	IDF	0	1	
37	Liberal Arts	C-LA-1.1		1	0	0.0	0	IDF	0	1	
38	Liberal Arts	C-LA-2.1	24	1	0	4.0	0	IDF	0	1	

	Building Name	Consolidated TR ID	Cost of the Internal Access Points	Cost for the Installation of Internal Access Points	Cost of the Horizontal Cabling for Each Access Point	Cost for Wireless Controller Blades in the Distribution Switches	Cost of the External Access Points	Cost for the Installation of External Access Points	Totals for This TR
			C	D	V	W	X	Y	Z	AA	AB
2	d TR DataBase								
3			Current Bldgs	Current Bldgs	Current Bldgs	Current Bldgs	Current Bldgs	Current Bldgs	Current Bldgs
4	Brentwood Center	B-BWC-1.1	$ 520	$ 150	$ 1,800	$ 15,000	$ 2,620	$ 900	$ 20,990
5	Art Building	C-A-1.1	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
6	Art Building	C-A-1.2	$ 520	$ 150	$ 600				$ 1,270
7	Art Building	C-A-1.3	$ 520	$ 150	$ 600				$ 1,270
8	Applied Arts & Administration	C-AA-1.1	$ 1,040	$ 300	$ 2,400		$ 2,620	$ 900	$ 7,260
9	Applied Arts & Administration	C-AA-1.2	$ 1,040	$ 300	$ 1,200				$ 2,540
10	Applied Arts & Administration	C-AA-2.1	$ 520	$ 150	$ 600				$ 1,270
11	Applied Arts & Administration	C-AA-2.2	$ 520	$ 150	$ 600				$ 1,270
12	Applied Arts & Administration	C-AA-2.3	$ 520	$ 150	$ 600				$ 1,270
13	Automotive Technology	C-AT-1.1	$ 520	$ 150	$ 600				$ 1,270
14	Biological Science	C-B-1.1d	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
15	Biological Science	C-B-1.2v	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
16	Boiler House	C-BH-1.1	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
17	Baseball Press Box	C-BPB-None	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
18	Custodial Office	C-C-1.1	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
19	Hazardous Storage	C-CHS-None	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
20	Football Concession	C-CON-None	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
21	Chemical Storage	C-CS-None	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
22	Computer Technology Center	C-CTC-1.1	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
23	Early Learning Center	C-ELC-1.1	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
24	Football Pressbox	C-FPB-1.1	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
25	Gym Annex	C-GA-1.1v	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
26	Gym Annex	C-GA-2.1v	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
27	Gym Annex	C-GA-2.2	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
28	Gymnasium	C-GY-None	$ 1,040	$ 300	$ 2,400		$ 2,620	$ 900	$ 7,260
29	Humanities Building	C-H-1.1d	$ 520	$ 150	$ 1,800	$ 15,000	$ 2,620	$ 900	$ 20,990
30	Humanities Building	C-H-1.2	$ 520	$ 150	$ 600				$ 1,270
31	Humanities Building	C-H-1.3d	$ 520	$ 150	$ 600				$ 1,270
32	Humanities Building	C-H-1.4v	$ 520	$ 150	$ 600				$ 1,270
33	Humanities Building	C-H-1.5v	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
34	Health Sciences Building	C-HS-1.1v	$ 520	$ 150	$ 600				$ 1,270
35	Liberal Arts	C-LA-0.1	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
36	Liberal Arts	C-LA-0.2v	$ 520	$ 150	$ 600				$ 1,270
37	Liberal Arts	C-LA-1.1	$ 520	$ 150	$ 600				$ 1,270
38	Liberal Arts	C-LA-2.1	$ 520	$ 150	$ 600				$ 1,270

	A	B	C	D	E	F	G	H	I	J	K	L
1	Campus	Unique Bldg ID	Building Name	Consolidated TR ID	Permanent vs. Temporary Buildings	802.11x Wireless for the Building Yes/No	Building Type	Determining If We Will Install Wireless (apply wireless to permanent at I and II buildings only)	Total Gross Square Footage Served by Each TR	Total Working at Cut Voice Services in the TR	Working at Cut Network Ports Provided through Equipment in This TR	Survey Count of Network Switches
39	Contra Costa	C-LLRC	Library and Learning Resource C	C-LLRC-1.1	Permanent	Yes	Academic	YES	9,008	8	216	5
40	Contra Costa	C-LLRC	Library and Learning Resource C	C-LLRC-2.1	Permanent	Yes	Academic	YES	9,008	18	48	1
41	Contra Costa	C-M	Music	C-M-1.1d	Permanent	Yes	Academic	YES	5,723	0	24	1
42	Contra Costa	C-M	Music	C-M-1.2	Permanent	Yes	Academic	YES	5,723	5	0	
43	Contra Costa	C-MA	Maintenance	C-MA-1.1	Permanent	Yes	Academic	YES	3,796	2	0	
44	Contra Costa	C-ML	Mens Locker	C-ML-1.1	Permanent	Yes	Academic	YES	4,689	2	12	1
45	Contra Costa	C-PAC	Performing Arts Center	C-PAC-1.1	Permanent	Yes	Academic	YES	10,970	8	0	
46	Contra Costa	C-PAC	Performing Arts Center	C-PAC-1.2d	Permanent	Yes	Academic	YES	10,970	0	24	1
47	Contra Costa	C-PS	Physical Science	C-PS-1.1	Permanent	Yes	Academic	YES	1,126	21	72	2
48	Contra Costa	C-PS	Physical Science	C-PS-1.2d	Permanent	Yes	Academic	YES	5,629	0	48	2
49	Contra Costa	C-PS	Physical Science	C-PS-1.3d	Permanent	Yes	Academic	YES	4,503	0	26	1
50	Contra Costa	C-PS	Physical Science	C-PS-1.4v	Permanent	Yes	Academic	YES	11,257	4	0	
51	Contra Costa	C-R	Buildings and Grounds / Police	C-R-1.1v	Permanent	Yes	Academic	YES	2,125	15	24	1
52	Contra Costa	C-R	Buildings and Grounds / Police	C-R-1.2	Permanent	Yes	Academic	YES	2,125	0	48	2
53	Contra Costa	C-SA	Student Activities	C-SA-1.1	Permanent	Yes	Academic	YES	6,813	0	72	5
54	Contra Costa	C-SA	Student Activities	C-SA-1.2	Permanent	Yes	Academic	YES	6,813	21	48	2
55	Contra Costa	C-SA	Student Activities	C-SA-1.3v	Permanent	Yes	Academic	YES	13,626	13	0	
56	Contra Costa	C-SSC	Student Services Center	C-SSC-1.1	Permanent	Yes	Academic	YES	5,600	78	264	2
57	Contra Costa	C-WL	Womens Locker	C-WL-1.1	Permanent	Yes	Academic	YES	2,001	1	1	1
58	Diablo Valley	D-A	Art Building	D-A-1.1	Permanent	Yes	Academic	YES	1,158	0	24	1
59	Diablo Valley	D-A	Art Building	D-A-2.1	Permanent	Yes	Academic	YES	1,158	34	24	1
60	Diablo Valley	D-A	Art Building	D-A-3.1d	Permanent	Yes	Academic	YES	1,158	0	48	1
61	Diablo Valley	D-A	Art Building	D-A-4.1v	Permanent	Yes	Academic	YES	3,510	13	0	
62	Diablo Valley	D-AB	Administration Building	D-AB-1.1v	Permanent	Yes	Academic	YES	4,184	13	0	
63	Diablo Valley	D-AB	Administration Building	D-AB-2.1	Permanent	Yes	Academic	YES	418	63	72	1
64	Diablo Valley	D-AB	Administration Building	D-AB-2.2d	Permanent	Yes	Academic	YES	2,092	0	48	1
65	Diablo Valley	D-AB	Administration Building	D-AB-2.3	Permanent	Yes	Academic	YES	2,092	47	48	1
66	Diablo Valley	D-ATC	Advanced Technology Center	D-ATC-1.1	Permanent	Yes	Academic	YES	9,460	30	384	3
67	Diablo Valley	D-BC	Book Center	D-BC-2.1	Permanent	Yes	Academic	YES	5,989	45	432	10
68	Diablo Valley	D-BFL	Business/Foreign Language	D-BFL-1.1	Permanent	Yes	Academic	YES	8,824	70	384	3
69	Diablo Valley	D-C	Counseling	D-C-1.1d	Permanent	Yes	Academic	YES	2,767	0	120	2
70	Diablo Valley	D-C	Counseling	D-C-1.2v	Permanent	Yes	Academic	YES	2,767	57	0	
71	Diablo Valley	D-CCC	Community Conference Center	D-CCC-None	Permanent	Yes	Academic	YES	560	0	0	
72	Diablo Valley	D-DS	District Storage Building	D-DS-None	Permanent	Yes	Academic	YES	5,914	0	0	
73	Diablo Valley	D-ET	Engineering Technology Center (	D-ET-1.1	Permanent	Yes	Academic	YES	19,170	28	48	1
74	Diablo Valley	D-ET	Engineering Technology Center (	D-ET-1.2v	Permanent	Yes	Academic	YES	9,585	10	0	
75	Diablo Valley	D-ET	Engineering Technology Center (	D-ET-1.3v	Permanent	Yes	Academic	YES	9,585	34	0	
76	Diablo Valley	D-ET	Engineering Technology Center (	D-ET-1.4d	Permanent	Yes	Academic	YES	3,834	0	72	1

	C	D	M	N	O	P	Q	R	S	T	U
1	Building Name	Consolidated TR ID	Decision on How Many Network Connections to Count (using the Client database unless it shows 0)	Number of Access Points Needed to Cover the Square Footage Using Assumption 7	If There Is No Square Footage Information, but There Are Telephones, We Will Install Assumption 8 Access Points	Ratio of Telephones to Each Access Point	The Ratio of Telephones Is Not an Issue in This Configuration - Override the Formula	TR Type 1 = MDF 2 = IDF 3 = Voice Only 4 = Node	Added Access Points for outside the Building (wired from the MDF - using Assumption 9)	Sum of the Access Points Needed in Each TR (Assumption = DVC is 50% OK, LMC is 30%OK, and SRC is 70% OK already)	Sum of the Wireless Controller Blades in the Distribution Switches
39	Library and Learning Resource C	C-LLRC-1.1	216	1	0	8.0	0	MDF	2	3	
40	Library and Learning Resource C	C-LLRC-2.1	48	1	0	18.0	0	MDF	2	3	
41	Music	C-M-1.1d	24	1	0	0.0	0	MDF	2	3	
42	Music	C-M-1.2		1	0	5.0	0	MDF	2	3	
43	Maintenance	C-MA-1.1		1	0	2.0	0	MDF	2	3	
44	Mens Locker	C-ML-1.1	12	1	0	2.0	0	MDF	2	3	
45	Performing Arts Center	C-PAC-1.1		1	0	8.0	0	MDF	2	3	
46	Performing Arts Center	C-PAC-1.2d	24	1	0	0.0	0	MDF	2	3	
47	Physical Science	C-PS-1.1	72	1	0	21.0	0	MDF	2	3	
48	Physical Science	C-PS-1.2d	48	1	0	0.0	0	IDF	0	1	
49	Physical Science	C-PS-1.3d	26	1	0	0.0	0	IDF	0	1	
50	Physical Science	C-PS-1.4v		1	0	4.0	0	MDF	2	3	
51	Buildings and Grounds / Police	C-R-1.1v	24	1	0	15.0	0	MDF	2	3	
52	Buildings and Grounds / Police	C-R-1.2	48	1	0	0.0	0	IDF	0	1	
53	Student Activities	C-SA-1.1	72	1	0	0.0	0	MDF	2	3	
54	Student Activities	C-SA-1.2	48	1	0	21.0	0	MDF	2	3	
55	Student Activities	C-SA-1.3v		2	0	6.5	0	IDF	0	2	
56	Student Services Center	C-SSC-1.1	264	1	0	78.0	0	MDF	2	3	
57	Womens Locker	C-WL-1.1	1	1	0	1.0	0	MDF	2	3	
58	Art Building	D-A-1.1	24	1	0	0.0	0	IDF	0	0	
59	Art Building	D-A-2.1	24	1	0	34.0	0	MDF	2	1	
60	Art Building	D-A-3.1d	48	1	0	0.0	0	IDF	0	0	
61	Art Building	D-A-4.1v		1	0	13.0	0	IDF	0	0	
62	Administration Building	D-AB-1.1v		1	0	13.0	0	MDF	2	1	
63	Administration Building	D-AB-2.1	72	1	0	63.0	0	Node	0	0	
64	Administration Building	D-AB-2.2d	48	1	0	0.0	0	IDF	0	0	
65	Administration Building	D-AB-2.3	48	1	0	47.0	0	IDF	0	0	
66	Advanced Technology Center	D-ATC-1.1	384	1	0	30.0	0	MDF	2	1	
67	Book Center	D-BC-2.1	432	1	0	45.0	0	MDF	2	1	
68	Business/Foreign Language	D-BFL-1.1	384	1	0	70.0	0	MDF	2	1	
69	Counseling	D-C-1.1d	120	1	0	0.0	0	MDF	2	1	
70	Counseling	D-C-1.2v		1	0	57.0	0	IDF	0	0	
71	Community Conference Center	D-CCC-None		1	0	0.0	0	MDF	2	1	
72	District Storage Building	D-DS-None		1	0	0.0	0	MDF	2	1	
73	Engineering Technology Center (	D-ET-1.1	48	2	0	14.0	0	MDF	2	2	
74	Engineering Technology Center (	D-ET-1.2v		1	0	10.0	0	IDF	0	0	
75	Engineering Technology Center (	D-ET-1.3v		1	0	34.0	0	IDF	0	0	
76	Engineering Technology Center (	D-ET-1.4d	72	1	0	0.0	0	IDF	0	0	

	Building Name	Consolidated TR ID	Cost of the Internal Access Points	Cost for the Installation of Internal Access Points	Cost of the Horizontal Cabling for Each Access Point	Cost for Wireless Controller Blades in the Distribution Switches	Cost of the External Access Points	Cost for the Installation of External Access Points	Totals for This TR
39	Library and Learning Resource C	C-LLRC-1.1	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
40	Library and Learning Resource C	C-LLRC-2.1	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
41	Music	C-M-1.1d	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
42	Music	C-M-1.2	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
43	Maintenance	C-MA-1.1	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
44	Mens Locker	C-ML-1.1	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
45	Performing Arts Center	C-PAC-1.1	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
46	Performing Arts Center	C-PAC-1.2d	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
47	Physical Science	C-PS-1.1	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
48	Physical Science	C-PS-1.2d	$ 520	$ 150	$ 600				$ 1,270
49	Physical Science	C-PS-1.3d	$ 520	$ 150	$ 600				$ 1,270
50	Physical Science	C-PS-1.4v	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
51	Buildings and Grounds / Police	C-R-1.1v	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
52	Buildings and Grounds / Police	C-R-1.2	$ 520	$ 150	$ 600				$ 1,270
53	Student Activities	C-SA-1.1	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
54	Student Activities	C-SA-1.2	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
55	Student Activities	C-SA-1.3v	$ 1,040	$ 300	$ 1,200				$ 2,540
56	Student Services Center	C-SSC-1.1	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
57	Womens Locker	C-WL-1.1	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990
58	Art Building	D-A-1.1							$ -
59	Art Building	D-A-2.1	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
60	Art Building	D-A-3.1d							$ -
61	Art Building	D-A-4.1v							$ -
62	Administration Building	D-AB-1.1v	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
63	Administration Building	D-AB-2.1							$ -
64	Administration Building	D-AB-2.2d							$ -
65	Administration Building	D-AB-2.3							$ -
66	Advanced Technology Center	D-ATC-1.1	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
67	Book Center	D-BC-2.1	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
68	Business/Foreign Language	D-BFL-1.1	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
69	Counseling	D-C-1.1d	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
70	Counseling	D-C-1.2v							$ -
71	Community Conference Center	D-CCC-None	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
72	District Storage Building	D-DS-None	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
73	Engineering Technology Center (	D-ET-1.1	$ 1,040	$ 300	$ 1,200		$ 2,620	$ 900	$ 6,060
74	Engineering Technology Center (	D-ET-1.2v							$ -
75	Engineering Technology Center (	D-ET-1.3v							$ -
76	Engineering Technology Center (	D-ET-1.4d							$ -

	A	B	C	D	E	F	G	H	I	J	K	L
1	Campus	Unique Bldg ID	Building Name	Consolidated TR ID	Permanent vs. Temporary Buildings	802.11x Wireless for the Building Yes/No	Building Type	Determining If We Will Install Wireless (apply wireless to permanent at I and II buildings only)	Total Gross Square Footage Served by Each TR	Total Working at Cut Voice Services in the TR	Working at Cut Network Ports Provided through Equipment in This TR	Survey Count of Network Switches
77	Diablo Valley	D-ET	Engineering Technology Center (	D-ET-1.5d	Permanent	Yes	Academic	YES	3,834	0	64	1
78	Diablo Valley	D-ET	Engineering Technology Center (	D-ET-1.6d	Permanent	Yes	Academic	YES	3,834	0	96	1
79	Diablo Valley	D-ET	Engineering Technology Center (	D-ET-1.7d	Permanent	Yes	Academic	YES	3,834	0	40	1
80	Diablo Valley	D-ET	Engineering Technology Center (	D-ET-1.8d	Permanent	Yes	Academic	YES	3,834	0	48	1
81	Diablo Valley	D-FA	Family Life Education Annex	D-FA-1.1v	Permanent	Yes	Academic	YES	2,557	6	0	
82	Diablo Valley	D-FL	Family Life Education	D-FL-1.1	Permanent	Yes	Academic	YES	874	14	12	1
83	Diablo Valley	D-FO	Faculty Offices	D-FO-1.1	Permanent	Yes	Academic	YES	2,063	61	192	2
84	Diablo Valley	D-FO	Faculty Offices	D-FO-1.2	Permanent	Yes	Academic	YES	2,063	61	96	1
85	Diablo Valley	D-FO	Faculty Offices	D-FO-2.1v	Permanent	Yes	Academic	YES	4,127	23	0	
86	Diablo Valley	D-FO	Faculty Offices	D-FO-2.2v	Permanent	Yes	Academic	YES	4,127	61	0	
87	Diablo Valley	D-GY	Gymnasium	D-GY-1.1d	Permanent	Yes	Academic	YES	7,000	0	8	1
88	Diablo Valley	D-GY	Gymnasium Boiler	D-GY-1.2v	Permanent	Yes	Academic	YES	140	21	0	
89	Diablo Valley	D-H	Humanities	D-H-1.1v	Permanent	Yes	Academic	YES	7,384	55	0	
90	Diablo Valley	D-H	Humanities	D-H-1.2d	Permanent	Yes	Academic	YES	7,384	0	56	1
91	Diablo Valley	D-HR	Hotel / Restaurant Management	D-HR-1.1d	Permanent	Yes	Academic	YES	684	0	0	
92	Diablo Valley	D-L	Library	D-L-1.1d	Permanent	Yes	Academic	YES	6,451	0	424	4
93	Diablo Valley	D-L	Library	D-L-1.2v	Permanent	Yes	Academic	YES	12,902	12	0	
94	Diablo Valley	D-L	Library	D-L-1.3d	Permanent	Yes	Academic	YES	6,451	0	56	1
95	Diablo Valley	D-L	Library	D-L-2.1v	Permanent	Yes	Academic	YES	12,902	9	0	
96	Diablo Valley	D-L	Library	D-L-2.2	Permanent	Yes	Academic	YES	6,451	9	144	2
97	Diablo Valley	D-L	Library	D-L-2.3	Permanent	Yes	Academic	YES	6,451	35	168	1
98	Diablo Valley	D-L	Library	D-L-3.1	Permanent	Yes	Academic	YES	12,902	53	24	1
99	Diablo Valley	D-LA	Liberal Arts	D-LA-1.1v	Permanent	Yes	Academic	YES	5,585	52	0	
100	Diablo Valley	D-LC	Learning Center	D-LC-1.1v	Permanent	Yes	Academic	YES	4,583	30	0	
101	Diablo Valley	D-LC	Learning Center	D-LC-2.1	Permanent	Yes	Academic	YES	4,583	0	48	1
102	Diablo Valley	D-LC	Learning Center	D-LC-2.2d	Permanent	Yes	Academic	YES	2,292	0	72	1
103	Diablo Valley	D-LC	Learning Center	D-LC-2.3d	Permanent	Yes	Academic	YES	2,292	0	72	1
104	Diablo Valley	D-LHS	Life/Health Sciences	D-LHS-1.1	Permanent	Yes	Academic	YES	8,983	45	426	3
105	Diablo Valley	D-M	Music	D-M-1.1	Permanent	Yes	Academic	YES	1,425	32	48	2
106	Diablo Valley	D-M	Music	D-M-1.2d	Permanent	Yes	Academic	YES	1,425	0	70	1
107	Diablo Valley	D-MA	Math	D-MA-1.1	Permanent	Yes	Academic	YES	4,838	65	72	1
108	Diablo Valley	D-ML	Mens Locker	D-ML-1.1d	Permanent	Yes	Academic	YES	8,120	0	32	1
109	Diablo Valley	D-OA	Offices Annex	D-OA-1.1d	Permanent	Yes	Academic	YES	1,228	0	24	1
110	Diablo Valley	D-OH	Ornamental Horticulture	D-OH-None	Permanent	Yes	Academic	YES	1,008	0	0	
111	Diablo Valley	D-PA	Performing Arts	D-PA-1.1	Permanent	Yes	Academic	YES	2,657	40	24	1
112	Diablo Valley	D-PA	Performing Arts	D-PA-2.1d	Permanent	Yes	Academic	YES	2,657	0	24	1
113	Diablo Valley	D-PB	Press Box	D-PB-1.1v	Permanent	Yes	Academic	YES	223	2	0	
114	Diablo Valley	D-PE	Physical Education Building	D-PE-1.1v	Permanent	Yes	Academic	YES	5,704	32	0	

	C	D	M	N	O	P	Q	R	S	T	U
1	Building Name	Consolidated TR ID	Decision on How Many Network Connections to Count (using the Client database unless it shows 0)	Number of Access Points Needed to Cover the Square Footage Using Assumption 7	If There Is No Square Footage Information, but There Are Telephones, We Will Install Assumption 8 Access Points	Ratio of Telephones to Each Access Point	The Ratio of Telephones Is Not an Issue in This Configuration - Override the Formula	TR Type 1 = MDF 2 = IDF 3 = Voice Only 4 = Node	Added Access Points for outside the Building (wired from the MDF - using Assumption 9)	Sum of the Access Points Needed in Each TR (Assumption = DVC is 50% OK, LMC is 30%OK, and SRC is 70% OK already)	Sum of the Wireless Controller Blades in the Distribution Switches
77	Engineering Technology Center (	D-ET-1.5d	64	1	0	0.0	0	IDF	0	0	
78	Engineering Technology Center (	D-ET-1.6d	96	1	0	0.0	0	IDF	0	0	
79	Engineering Technology Center (	D-ET-1.7d	40	1	0	0.0	0	IDF	0	0	
80	Engineering Technology Center (	D-ET-1.8d	48	1	0	0.0	0	IDF	0	0	
81	Family Life Education Annex	D-FA-1.1v		1	0	6.0	0	MDF	2	1	
82	Family Life Education	D-FL-1.1	12	1	0	14.0	0	MDF	2	1	
83	Faculty Offices	D-FO-1.1	192	1	0	61.0	0	MDF	2	1	
84	Faculty Offices	D-FO-1.2	96	1	0	61.0	0	IDF	0	0	
85	Faculty Offices	D-FO-2.1v		1	0	23.0	0	IDF	0	0	
86	Faculty Offices	D-FO-2.2v		1	0	61.0	0	IDF	0	0	
87	Gymnasium	D-GY-1.1d	8	1	0	0.0	0	MDF	2	1	
88	Gymnasium Boiler	D-GY-1.2v		1	0	21.0	0	MDF	2	1	
89	Humanities	D-H-1.1v		1	0	55.0	0	MDF	2	1	
90	Humanities	D-H-1.2d	56	1	0	0.0	0	MDF	2	1	
91	Hotel / Restaurant Management	D-HR-1.1d		1	0	0.0	0	MDF	2	1	
92	Library	D-L-1.1d	424	1	0	0.0	0	MDF	2	1	1
93	Library	D-L-1.2v		2	0	6.0	0	IDF	0	1	
94	Library	D-L-1.3d	56	1	0	0.0	0	MDF	2	1	
95	Library	D-L-2.1v		2	0	4.5	0	IDF	0	1	
96	Library	D-L-2.2	144	1	0	9.0	0	IDF	0	0	
97	Library	D-L-2.3	168	1	0	35.0	0	IDF	0	0	
98	Library	D-L-3.1	24	2	0	26.5	0	IDF	0	1	
99	Liberal Arts	D-LA-1.1v		1	0	52.0	0	MDF	2	1	
100	Learning Center	D-LC-1.1v		1	0	30.0	0	IDF	0	0	
101	Learning Center	D-LC-2.1	48	1	0	0.0	0	MDF	2	1	
102	Learning Center	D-LC-2.2d	72	1	0	0.0	0	IDF	0	0	
103	Learning Center	D-LC-2.3d	72	1	0	0.0	0	IDF	0	0	
104	Life/Health Sciences	D-LHS-1.1	426	1	0	45.0	0	MDF	2	1	
105	Music	D-M-1.1	48	1	0	32.0	0	MDF	2	1	
106	Music	D-M-1.2d	70	1	0	0.0	0	IDF	0	0	
107	Math	D-MA-1.1	72	1	0	65.0	0	MDF	2	1	
108	Mens Locker	D-ML-1.1d	32	1	0	0.0	0	MDF	2	1	
109	Offices Annex	D-OA-1.1d	24	1	0	0.0	0	MDF	2	1	
110	Ornamental Horticulture	D-OH-None		1	0	0.0	0	MDF	2	1	
111	Performing Arts	D-PA-1.1	24	1	0	40.0	0	MDF	2	1	
112	Performing Arts	D-PA-2.1d	24	1	0	0.0	0	IDF	0	0	
113	Press Box	D-PB-1.1v		1	0	2.0	0	MDF	2	1	
114	Physical Education Building	D-PE-1.1v		1	0	32.0	0	MDF	2	1	

	Building Name	Consolidated TR ID	Cost of the Internal Access Points	Cost for the Installation of Internal Access Points	Cost of the Horizontal Cabling for Each Access Point	Cost for Wireless Controller Blades in the Distribution Switches	Cost of the External Access Points	Cost for the Installation of External Access Points	Totals for This TR
77	Engineering Technology Center (	D-ET-1.5d							$ -
78	Engineering Technology Center (	D-ET-1.6d							$ -
79	Engineering Technology Center (	D-ET-1.7d							$ -
80	Engineering Technology Center (	D-ET-1.8d							$ -
81	Family Life Education Annex	D-FA-1.1v	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
82	Family Life Education	D-FL-1.1	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
83	Faculty Offices	D-FO-1.1	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
84	Faculty Offices	D-FO-1.2							$ -
85	Faculty Offices	D-FO-2.1v							$ -
86	Faculty Offices	D-FO-2.2v							$ -
87	Gymnasium	D-GY-1.1d	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
88	Gymnasium Boiler	D-GY-1.2v	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
89	Humanities	D-H-1.1v	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
90	Humanities	D-H-1.2d	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
91	Hotel / Restaurant Management	D-HR-1.1d	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
92	Library	D-L-1.1d	$ 520	$ 150	$ 600	$ 15,000	$ 2,620	$ 900	$ 19,790
93	Library	D-L-1.2v	$ 1,040	$ 300	$ 600				$ 1,940
94	Library	D-L-1.3d	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
95	Library	D-L-2.1v	$ 1,040	$ 300	$ 600				$ 1,940
96	Library	D-L-2.2							$ -
97	Library	D-L-2.3							$ -
98	Library	D-L-3.1	$ 1,040	$ 300	$ 600				$ 1,940
99	Liberal Arts	D-LA-1.1v	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
100	Learning Center	D-LC-1.1v							$ -
101	Learning Center	D-LC-2.1	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
102	Learning Center	D-LC-2.2d							$ -
103	Learning Center	D-LC-2.3d							$ -
104	Life/Health Sciences	D-LHS-1.1	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
105	Music	D-M-1.1	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
106	Music	D-M-1.2d							$ -
107	Math	D-MA-1.1	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
108	Mens Locker	D-ML-1.1d	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
109	Offices Annex	D-OA-1.1d	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
110	Ornamental Horticulture	D-OH-None	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
111	Performing Arts	D-PA-1.1	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
112	Performing Arts	D-PA-2.1d							$ -
113	Press Box	D-PB-1.1v	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
114	Physical Education Building	D-PE-1.1v	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790

	A	B	C	D	E	F	G	H	I	J	K	L
1	Campus	Unique Bldg ID	Building Name	Consolidated TR ID	Permanent vs. Temporary Buildings	802.11x Wireless for the Building Yes/No	Building Type	Determining If We Will Install Wireless (apply wireless to permanent at I and II buildings only)	Total Gross Square Footage Served by Each TR	Total Working at Cut Voice Services in the TR	Working at Cut Network Ports Provided through Equipment in This TR	Survey Count of Network Switches
115	Diablo Valley	D-PE1	Portable No. 1 / Classroom	D-PE1-None	Permanent	Yes	Academic	YES	6,783	0	0	
116	Diablo Valley	D-PE2	Portable No. 2 / Training room	D-PE2-1.1	Permanent	Yes	Academic	YES	1,156	0	0	1
117	Diablo Valley	D-PES	P.E. Storage	D-PES-None	Permanent	Yes	Academic	YES	589	0	32	
118	Diablo Valley	D-PO	Physical Education Offices	D-PO-2.1	Permanent	Yes	Academic	YES	0	35	24	2
119	Diablo Valley	D-POL	Police Department	D-POL-1.1d	Permanent	Yes	Academic	YES	10,500	0	48	
120	Diablo Valley	D-PS-N	Physical Science - North	D-PS-N-1.1	Permanent	Yes	Academic	YES	7,079	53	264	2
121	Diablo Valley	D-PS-N	Physical Science - North	D-PS-N-2.1d	Permanent	Yes	Academic	YES	7,079	0	24	1
122	Diablo Valley	D-PS-S	Physical Science - South	D-PS-S-1.1	Permanent	Yes	Academic	YES	7,079	53	56	1
123	Diablo Valley	D-SA	Student Activities	D-SA-1.1d	Permanent	Yes	Academic	YES	6,457	0	48	1
124	Diablo Valley	D-SA	Student Activities	D-SA-1.2v	Permanent	Yes	Academic	YES	12,914	53	0	
125	Diablo Valley	D-SA	Student Activities	D-SA-1.3d	Permanent	Yes	Academic	YES	6,457	0	48	
126	Diablo Valley	D-SC1	Museum / Planetarium	D-SC1-1.1	Permanent	Yes	Academic	YES	2,072	16	48	2
127	Diablo Valley	D-SC2	Offices	D-SC2-2.1	Permanent	Yes	Academic	YES	1,867	44	24	1
128	Diablo Valley	D-SC3	Lecture (SC501)	D-SC3-None	Permanent	Yes	Academic	YES	813	0	0	
129	Diablo Valley	D-SC4	Classroom (SC601)	D-SC4-None	Permanent	Yes	Academic	YES	535	0	0	
130	Diablo Valley	D-SC5	Astronomy (SC701)	D-SC5-1.1d	Permanent	Yes	Academic	YES	1,014	0	32	1
131	Diablo Valley	D-SC6	Observatory (SC801)	D-SC6-None	Permanent	Yes	Academic	YES	210	0	0	
132	Diablo Valley	D-SC7	Concessions (SC901)	D-SC7-None	Permanent	Yes	Academic	YES	126	0	0	
133	Diablo Valley	D-SC8	Science Restrooms (SC401/402)	D-SC8-None	Permanent	Yes	Academic	YES	210	0	0	
134	Diablo Valley	D-SC9	Science Utility	D-SC9-None	Permanent	Yes	Academic	YES	249	0	0	
135	Diablo Valley	D-SSC	Student Services Center	D-SSC-1.1v	Permanent	Yes	Academic	YES	3,163	34	0	
136	Diablo Valley	D-SSC	Student Services Center	D-SSC-1.2	Permanent	Yes	Academic	YES	4,793	56	200	
137	Diablo Valley	D-SSC	Student Services Center	D-SSC-1.3v	Permanent	Yes	Academic	YES	3,163	30	0	
138	Diablo Valley	D-SSC	Student Services Center	D-SSC-1.4v	Permanent	Yes	Academic	YES	3,163	45	0	
139	Diablo Valley	D-SSC	Student Services Center	D-SSC-2.1d	Permanent	Yes	Academic	YES	4,793	0	136	2
140	Diablo Valley	D-SU	Student Union	D-SU-1.1	Permanent	Yes	Academic	YES	3,102	26	48	2
141	Diablo Valley	D-TB	Toilet Building	D-TB-None	Permanent	Yes	Academic	YES	254	0	0	
142	Diablo Valley	D-Temp29	Adaptive PE	D-Temp29-None	Permanent	Yes	Academic	YES	384	0	0	
143	Diablo Valley	D-WL	Womens Locker	D-WL-None	Permanent	Yes	Academic	YES	3,288	0	0	
144	Diablo Valley	D-WM	Warehouse / Maintenance Bldg.	D-WM-1.1v	Permanent	Yes	Academic	YES	16,744	47	0	
145	Diablo Valley	D-WM	Warehouse / Maintenance Bldg.	D-WM-1.2d	Permanent	Yes	Academic	YES	16,744	0	48	1
146	Los Medanos	L-CC	College Complex	L-CC-1.1	Permanent	Yes	Academic	YES	4,681	0	24	1
147	Los Medanos	L-CC	College Complex	L-CC-1.2	Permanent	Yes	Academic	YES	4,681	0	96	3
148	Los Medanos	L-CC	College Complex	L-CC-1.3	Permanent	Yes	Academic	YES	4,681	19	24	1
149	Los Medanos	L-CC	College Complex	L-CC-1.4	Permanent	Yes	Academic	YES	4,681	0	24	1
150	Los Medanos	L-CC	College Complex	L-CC-2.1	Permanent	Yes	Academic	YES	3,745	35	48	1
151	Los Medanos	L-CC	College Complex	L-CC-2.2	Permanent	Yes	Academic	YES	3,745	0	24	1
152	Los Medanos	L-CC	College Complex	L-CC-2.3	Permanent	Yes	Academic	YES	3,745	19	24	1

| | Building Name | Consolidated TR ID | Decision on How Many Network Connections to Count (using the Client database unless it shows 0) | Number of Access Points Needed to Cover the Square Footage Using Assumption 7 | If There Is No Square Footage Information, but There Are Telephones, We Will Install Assumption 8 Access Points | Ratio of Telephones to Each Access Point | The Ratio of Telephones Is Not an Issue in This Configuration - Override the Formula | TR Type 1 = MDF 2 = IDF 3 = Voice Only 4 = Node | Added Access Points for outside the Building (wired from the MDF - using Assumption 9) | Sum of the Access Points Needed in Each TR (Assumption = DVC is 50% OK, LMC is 30%OK, and SRC is 70% OK already) | Sum of the Wireless Controller Blades in the Distribution Switches |
	C	D	M	N	O	P	Q	R	S	T	U
115	Portable No. 1 / Classroom	D-PE1-None		1	0	0.0	0	MDF	2	1	
116	Portable No. 2 / Training room	D-PE2-1.1	1	1	0	0.0	0	MDF	2	1	
117	P.E. Storage	D-PES-None	32	1	0	0.0	0	MDF	2	1	
118	Physical Education Offices	D-PO-2.1	24	0	1	35.0	0	MDF	2	1	
119	Police Department	D-POL-1.1d	48	1	0	0.0	0	MDF	2	1	
120	Physical Science - North	D-PS-N-1.1	264	1	0	53.0	0	MDF	2	1	
121	Physical Science - North	D-PS-N-2.1d	24	1	0	0.0	0	MDF	2	1	
122	Physical Science - South	D-PS-S-1.1	56	1	0	53.0	0	MDF	2	1	
123	Student Activities	D-SA-1.1d	48	1	0	0.0	0	MDF	2	1	
124	Student Activities	D-SA-1.2v		2	0	26.5	0	MDF	2	2	
125	Student Activities	D-SA-1.3d	48	1	0	0.0	0	IDF	0	0	
126	Museum / Planetarium	D-SC1-1.1	48	1	0	16.0	0	MDF	2	1	
127	Offices	D-SC2-2.1	24	1	0	44.0	0	MDF	2	1	
128	Lecture (SC501)	D-SC3-None		1	0	0.0	0	MDF	2	1	
129	Classroom (SC601)	D-SC4-None		1	0	0.0	0	MDF	2	1	
130	Astronomy (SC701)	D-SC5-1.1d	32	1	0	0.0	0	MDF	2	1	
131	Observatory (SC801)	D-SC6-None		1	0	0.0	0	MDF	2	1	
132	Concessions (SC901)	D-SC7-None		1	0	0.0	0	MDF	2	1	
133	Science Restrooms (SC401/402)	D-SC8-None		1	0	0.0	0	MDF	2	1	
134	Science Utility	D-SC9-None		1	0	0.0	0	MDF	2	1	
135	Student Services Center	D-SSC-1.1v		1	0	34.0	0	IDF	0	0	
136	Student Services Center	D-SSC-1.2	200	1	0	56.0	0	MDF	2	1	
137	Student Services Center	D-SSC-1.3v		1	0	30.0	0	IDF	0	0	
138	Student Services Center	D-SSC-1.4v		1	0	45.0	0	IDF	0	0	
139	Student Services Center	D-SSC-2.1d	136	1	0	0.0	0	IDF	0	0	
140	Student Union	D-SU-1.1	48	1	0	26.0	0	MDF	2	1	
141	Toilet Building	D-TB-None		1	0	0.0	0	MDF	2	1	
142	Adaptive PE	D-Temp29-None		1	0	0.0	0	MDF	2	1	
143	Womens Locker	D-WL-None		1	0	0.0	0	MDF	2	1	
144	Warehouse / Maintenance Bldg.	D-WM-1.1v		2	0	23.5	0	MDF	2	2	
145	Warehouse / Maintenance Bldg.	D-WM-1.2d	48	2	0	0.0	0	MDF	2	2	
146	College Complex	L-CC-1.1	24	1	0	0.0	0	MDF	2	2	
147	College Complex	L-CC-1.2	96	1	0	0.0	0	IDF	0	0	
148	College Complex	L-CC-1.3	24	1	0	19.0	0	MDF	2	2	
149	College Complex	L-CC-1.4	24	1	0	0.0	0	IDF	0	0	
150	College Complex	L-CC-2.1	48	1	0	35.0	0	IDF	0	0	
151	College Complex	L-CC-2.2	24	1	0	0.0	0	IDF	0	0	
152	College Complex	L-CC-2.3	24	1	0	19.0	0	IDF	0	0	

	C	D	V	W	X	Y	Z	AA	AB
1	**Building Name**	**Consolidated TR ID**	**Cost of the Internal Access Points**	**Cost for the Installation of Internal Access Points**	**Cost of the Horizontal Cabling for Each Access Point**	**Cost for Wireless Controller Blades in the Distribution Switches**	**Cost of the External Access Points**	**Cost for the Installation of External Access Points**	**Totals for This TR**
115	Portable No. 1 / Classroom	D-PE1-None	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
116	Portable No. 2 / Training room	D-PE2-1.1	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
117	P.E. Storage	D-PES-None	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
118	Physical Education Offices	D-PO-2.1	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
119	Police Department	D-POL-1.1d	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
120	Physical Science - North	D-PS-N-1.1	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
121	Physical Science - North	D-PS-N-2.1d	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
122	Physical Science - South	D-PS-S-1.1	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
123	Student Activities	D-SA-1.1d	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
124	Student Activities	D-SA-1.2v	$ 1,040	$ 300	$ 1,200		$ 2,620	$ 900	$ 6,060
125	Student Activities	D-SA-1.3d							$ -
126	Museum / Planetarium	D-SC1-1.1	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
127	Offices	D-SC2-2.1	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
128	Lecture (SC501)	D-SC3-None	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
129	Classroom (SC601)	D-SC4-None	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
130	Astronomy (SC701)	D-SC5-1.1d	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
131	Observatory (SC801)	D-SC6-None	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
132	Concessions (SC901)	D-SC7-None	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
133	Science Restrooms (SC401/402)	D-SC8-None	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
134	Science Utility	D-SC9-None	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
135	Student Services Center	D-SSC-1.1v							$ -
136	Student Services Center	D-SSC-1.2	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
137	Student Services Center	D-SSC-1.3v							$ -
138	Student Services Center	D-SSC-1.4v							$ -
139	Student Services Center	D-SSC-2.1d							$ -
140	Student Union	D-SU-1.1	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
141	Toilet Building	D-TB-None	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
142	Adaptive PE	D-Temp29-None	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
143	Womens Locker	D-WL-None	$ 520	$ 150	$ 600		$ 2,620	$ 900	$ 4,790
144	Warehouse / Maintenance Bldg.	D-WM-1.1v	$ 1,040	$ 300	$ 1,200		$ 2,620	$ 900	$ 6,060
145	Warehouse / Maintenance Bldg.	D-WM-1.2d	$ 1,040	$ 300	$ 1,200		$ 2,620	$ 900	$ 6,060
146	College Complex	L-CC-1.1	$ 520	$ 150	$ 1,200		$ 2,620	$ 900	$ 5,390
147	College Complex	L-CC-1.2							$ -
148	College Complex	L-CC-1.3	$ 520	$ 150	$ 1,200		$ 2,620	$ 900	$ 5,390
149	College Complex	L-CC-1.4							$ -
150	College Complex	L-CC-2.1							$ -
151	College Complex	L-CC-2.2							$ -
152	College Complex	L-CC-2.3							$ -

	A	B	C	D	E	F	G	H	I	J	K	L
1	Campus	Unique Bldg ID	Building Name	Consolidated TR ID	Permanent vs. Temporary Buildings	802.11x Wireless for the Building Yes/No	Building Type	Determining If We Will Install Wireless (apply wireless to permanent at I and II buildings only)	Total Gross Square Footage Served by Each TR	Total Working at Cut Voice Services in the TR	Working at Cut Network Ports Provided through Equipment in This TR	Survey Count of Network Switches
153	Los Medanos	L-CC	College Complex	L-CC-2.4	Permanent	Yes	Academic	YES	3,745	0	96	3
154	Los Medanos	L-CC	College Complex	L-CC-2.5	Permanent	Yes	Academic	YES	3,745	0	48	1
155	Los Medanos	L-CC	College Complex	L-CC-2.6	Permanent	Yes	Academic	YES	3,745	22	24	1
156	Los Medanos	L-CC	College Complex	L-CC-2.7	Permanent	Yes	Academic	YES	3,745	0	48	1
157	Los Medanos	L-CC	College Complex	L-CC-3.1	Permanent	Yes	Academic	YES	3,745	0	24	1
158	Los Medanos	L-CC	College Complex	L-CC-3.2	Permanent	Yes	Academic	YES	3,745	0	48	1
159	Los Medanos	L-CC	College Complex	L-CC-3.3	Permanent	Yes	Academic	YES	3,745	0	168	5
160	Los Medanos	L-CC	College Complex	L-CC-3.4	Permanent	Yes	Academic	YES	3,745	25	72	2
161	Los Medanos	L-CC	College Complex	L-CC-3.5	Permanent	Yes	Academic	YES	3,745	43	24	1
162	Los Medanos	L-CC	College Complex	L-CC-3.6	Permanent	Yes	Academic	YES	3,745	0	24	1
163	Los Medanos	L-CC	College Complex	L-CC-3.7	Permanent	Yes	Academic	YES	3,745	18	24	1
164	Los Medanos	L-CC	College Complex	L-CC-3.8	Permanent	Yes	Academic	YES	3,745	0	24	1
165	Los Medanos	L-CC	College Complex	L-CC-4.1	Permanent	Yes	Academic	YES	9,363	54	552	18
166	Los Medanos	L-CC	College Complex	L-CC-4.2	Permanent	Yes	Academic	YES	9,363	28	48	1
167	Los Medanos	L-CDC	Child Study Center	L-CDC-1.1	Permanent	Yes	Academic	YES	2,013	17	24	1
168	Los Medanos	L-CDC	Child Study Center	L-CDC-1.2	Permanent	Yes	Academic	YES	2,013	0	24	1
169	Los Medanos	L-EL	EETEC	L-EL-1.1	Permanent	Yes	Academic	YES	14,860	3	10	
170	Los Medanos	L-GA	Graphic Arts Lab	L-GA-1.1	Permanent	Yes	Academic	YES	894	3	48	1
171	Los Medanos	L-G	Gymnasium	L-G-None	Permanent	Yes	Academic	YES	13,311	0	0	
172	Los Medanos	L-HC	Honors Center	L-HC-1.1	Permanent	Yes	Academic	YES	578	5	24	1
173	Los Medanos	L-L	Library	L-L-1.1	Permanent	Yes	Academic	YES	3,455	90	264	6
174	Los Medanos	L-LR	Learning Resource II, III, and IV	L-LR-1.1	Permanent	Yes	Academic	YES	2,230	41	80	
175	Los Medanos	L-MA	Math	L-MA-1.1	Permanent	Yes	Academic	YES	7,237	24	96	2
176	Los Medanos	L-MA	Math	L-MA-2.1	Permanent	Yes	Academic	YES	7,237	2	144	3
177	Los Medanos	L-MU	Music	L-MU-None	Permanent	Yes	Academic	YES	7,237	0	0	
178	Los Medanos	L-PEB	PE Press Box	L-PEB-None	Permanent	Yes	Academic	YES	134	0	0	
179	Los Medanos	L-PEC	Concessions	L-PEC-None	Permanent	Yes	Academic	YES	239	0	0	
180	Los Medanos	L-PED	Dance	L-PED-None	Permanent	Yes	Academic	YES	1,218	0	0	
181	Los Medanos	L-PE	Pool Equipment	L-PE-None	Permanent	Yes	Academic	YES	487	0	0	
182	Los Medanos	L-PEO	PE Offices	L-PEO-1.1	Permanent	Yes	Academic	YES	7,237	10	24	1
183	Los Medanos	L-PET	PE Training Complex	L-PET-1.1	Permanent	Yes	Academic	YES	1,218	2	48	2
184	Los Medanos	L-PEW	Weights	L-PEW-None	Permanent	Yes	Academic	YES	1,218	0	0	
185	Los Medanos	L-PS	Offices of Instruction	L-PS-1.1	Permanent	Yes	Academic	YES	1,326	0	24	1
186	Los Medanos	L-PS	Offices of Instruction	L-PS-1.2	Permanent	Yes	Academic	YES	1,326	0	24	1
187	Los Medanos	L-SC	Science	L-SC-1.1	Permanent	Yes	Academic	YES	2,477	21	144	3
188	Los Medanos	L-SC	Science	L-SC-2.1	Permanent	Yes	Academic	YES	2,477	20	96	3
189	Los Medanos	L-U	Utility Building	L-U-1.1v	Permanent	Yes	Academic	YES	3,500	2	0	
190	District Office	M-EC	District Office	M-EC-1.1	Permanent	Yes	Academic	YES	2,972	62	12	1

| | Building Name | Consolidated TR ID | Decision on How Many Network Connections to Count (using the Client database unless it shows 0) | Number of Access Points Needed to Cover the Square Footage Using Assumption 7 | If There Is No Square Footage Information, but There Are Telephones, We Will Install Assumption 8 Access Points | Ratio of Telephones to Each Access Point | The Ratio of Telephones Is Not an Issue in This Configuration - Override the Formula | TR Type 1 = MDF 2 = IDF 3 = Voice Only 4 = Node | Added Access Points for outside the Building (wired from the MDF - using Assumption 9) | Sum of the Access Points Needed in Each TR (Assumption = DVC is 50% OK, LMC is 30%OK, and SRC is 70% OK already) | Sum of the Wireless Controller Blades in the Distribution Switches |
	C	D	M	N	O	P	Q	R	S	T	U
153	College Complex	L-CC-2.4	96	1	0	0.0	0	IDF	0	0	
154	College Complex	L-CC-2.5	48	1	0	0.0	0	IDF	0	0	
155	College Complex	L-CC-2.6	24	1	0	22.0	0	IDF	0	0	
156	College Complex	L-CC-2.7	48	1	0	0.0	0	IDF	0	0	
157	College Complex	L-CC-3.1	24	1	0	0.0	0	IDF	0	0	
158	College Complex	L-CC-3.2	48	1	0	0.0	0	IDF	0	0	
159	College Complex	L-CC-3.3	168	1	0	0.0	0	IDF	0	0	
160	College Complex	L-CC-3.4	72	1	0	25.0	0	IDF	0	0	
161	College Complex	L-CC-3.5	24	1	0	43.0	0	IDF	0	0	
162	College Complex	L-CC-3.6	24	1	0	0.0	0	IDF	0	0	
163	College Complex	L-CC-3.7	24	1	0	18.0	0	IDF	0	0	
164	College Complex	L-CC-3.8	24	1	0	0.0	0	IDF	0	0	
165	College Complex	L-CC-4.1	552	1	0	54.0	0	IDF	0	0	1
166	College Complex	L-CC-4.2	48	1	0	28.0	0	IDF	0	0	
167	Child Study Center	L-CDC-1.1	24	1	0	17.0	0	MDF	2	2	
168	Child Study Center	L-CDC-1.2	24	1	0	0.0	0	MDF	2	2	
169	EETEC	L-EL-1.1	10	2	0	1.5	0	MDF	2	2	
170	Graphic Arts Lab	L-GA-1.1	48	1	0	3.0	0	MDF	2	2	
171	Gymnasium	L-G-None		2	0	0.0	0	MDF	2	2	
172	Honors Center	L-HC-1.1	24	1	0	5.0	0	MDF	2	2	
173	Library	L-L-1.1	264	1	0	90.0	0	MDF	2	2	
174	Learning Resource II, III, and IV	L-LR-1.1	80	1	0	41.0	0	MDF	2	2	
175	Math	L-MA-1.1	96	1	0	24.0	0	MDF	2	2	
176	Math	L-MA-2.1	144	1	0	2.0	0	IDF	0	0	
177	Music	L-MU-None		1	0	0.0	0	MDF	2	2	
178	PE Press Box	L-PEB-None		1	0	0.0	0	MDF	2	2	
179	Concessions	L-PEC-None		1	0	0.0	0	MDF	2	2	
180	Dance	L-PED-None		1	0	0.0	0	MDF	2	2	
181	Pool Equipment	L-PE-None		1	0	0.0	0	MDF	2	2	
182	PE Offices	L-PEO-1.1	24	1	0	10.0	0	MDF	2	2	
183	PE Training Complex	L-PET-1.1	48	1	0	2.0	0	MDF	2	2	
184	Weights	L-PEW-None		1	0	0.0	0	MDF	2	2	
185	Offices of Instruction	L-PS-1.1	24	1	0	0.0	0	MDF	2	2	
186	Offices of Instruction	L-PS-1.2	24	1	0	0.0	0	IDF	0	0	
187	Science	L-SC-1.1	144	1	0	21.0	0	MDF	2	2	
188	Science	L-SC-2.1	96	1	0	20.0	0	IDF	0	0	
189	Utility Building	L-U-1.1v		1	0	2.0	0	MDF	2	2	
190	District Office	M-EC-1.1	12	1	0	62.0	0	MDF	2	3	

	C Building Name	D Consolidated TR ID	V Cost of the Internal Access Points	W Cost for the Installation of Internal Access Points	X Cost of the Horizontal Cabling for Each Access Point	Y Cost for Wireless Controller Blades in the Distribution Switches	Z Cost of the External Access Points	AA Cost for the Installation of External Access Points	AB Totals for This TR
153	College Complex	L-CC-2.4							$ -
154	College Complex	L-CC-2.5							$ -
155	College Complex	L-CC-2.6							$ -
156	College Complex	L-CC-2.7							$ -
157	College Complex	L-CC-3.1							$ -
158	College Complex	L-CC-3.2							$ -
159	College Complex	L-CC-3.3							$ -
160	College Complex	L-CC-3.4							$ -
161	College Complex	L-CC-3.5							$ -
162	College Complex	L-CC-3.6							$ -
163	College Complex	L-CC-3.7							$ -
164	College Complex	L-CC-3.8							$ -
165	College Complex	L-CC-4.1				$ 15,000			$ 15,000
166	College Complex	L-CC-4.2							$ -
167	Child Study Center	L-CDC-1.1	$ 520	$ 150	$ 1,200		$ 2,620	$ 900	$ 5,390
168	Child Study Center	L-CDC-1.2	$ 520	$ 150	$ 1,200		$ 2,620	$ 900	$ 5,390
169	EETEC	L-EL-1.1	$ 1,040	$ 300	$ 1,200		$ 2,620	$ 900	$ 6,060
170	Graphic Arts Lab	L-GA-1.1	$ 520	$ 150	$ 1,200		$ 2,620	$ 900	$ 5,390
171	Gymnasium	L-G-None	$ 1,040	$ 300	$ 1,200		$ 2,620	$ 900	$ 6,060
172	Honors Center	L-HC-1.1	$ 520	$ 150	$ 1,200		$ 2,620	$ 900	$ 5,390
173	Library	L-L-1.1	$ 520	$ 150	$ 1,200		$ 2,620	$ 900	$ 5,390
174	Learning Resource II, III, and IV	L-LR-1.1	$ 520	$ 150	$ 1,200		$ 2,620	$ 900	$ 5,390
175	Math	L-MA-1.1	$ 520	$ 150	$ 1,200		$ 2,620	$ 900	$ 5,390
176	Math	L-MA-2.1							$ -
177	Music	L-MU-None	$ 520	$ 150	$ 1,200		$ 2,620	$ 900	$ 5,390
178	PE Press Box	L-PEB-None	$ 520	$ 150	$ 1,200		$ 2,620	$ 900	$ 5,390
179	Concessions	L-PEC-None	$ 520	$ 150	$ 1,200		$ 2,620	$ 900	$ 5,390
180	Dance	L-PED-None	$ 520	$ 150	$ 1,200		$ 2,620	$ 900	$ 5,390
181	Pool Equipment	L-PE-None	$ 520	$ 150	$ 1,200		$ 2,620	$ 900	$ 5,390
182	PE Offices	L-PEO-1.1	$ 520	$ 150	$ 1,200		$ 2,620	$ 900	$ 5,390
183	PE Training Complex	L-PET-1.1	$ 520	$ 150	$ 1,200		$ 2,620	$ 900	$ 5,390
184	Weights	L-PEW-None	$ 520	$ 150	$ 1,200		$ 2,620	$ 900	$ 5,390
185	Offices of Instruction	L-PS-1.1	$ 520	$ 150	$ 1,200		$ 2,620	$ 900	$ 5,390
186	Offices of Instruction	L-PS-1.2							$ -
187	Science	L-SC-1.1	$ 520	$ 150	$ 1,200		$ 2,620	$ 900	$ 5,390
188	Science	L-SC-2.1							$ -
189	Utility Building	L-U-1.1v	$ 520	$ 150	$ 1,200		$ 2,620	$ 900	$ 5,390
190	District Office	M-EC-1.1	$ 520	$ 150	$ 1,800		$ 2,620	$ 900	$ 5,990

	A	B	C	D	E	F	G	H	I	J	K	L
1	Campus	Unique Bldg ID	Building Name	Consolidated TR ID	Permanent vs. Temporary Buildings	802.11x Wireless for the Building Yes/No	Building Type	Determining If We Will Install Wireless (apply wireless to permanent at I and II buildings only)	Total Gross Square Footage Served by Each TR	Total Working at Cut Voice Services in the TR	Working at Cut Network Ports Provided through Equipment in This TR	Survey Count of Network Switches
191	District Office	M-EC	District Office	M-EC-3.1v	Permanent	Yes	Academic	YES	2,972	50	0	
192	District Office	M-EC	District Office	M-EC-3.2	Permanent	Yes	Academic	YES	2,972	2	156	7
193	District Office	M-EC	District Office	M-EC-4.1	Permanent	Yes	Academic	YES	2,972	35	60	3
194	District Office	M-EC	District Office	M-EC-5.1	Permanent	Yes	Academic	YES	2,972	35	48	2
195	District Office	M-EC	District Office	M-EC-6.1	Permanent	Yes	Academic	YES	2,972	30	24	1
196	San Ramon Valley (	S-CP	Central Plant	S-CP-1.1	Permanent	Yes	Academic	YES	4,200	16	8	1
197	San Ramon Valley (	S-EB	East Building	S-EB-1.1	Permanent	Yes	Academic	YES	8,305	26	144	6
198	San Ramon Valley (	S-EB	East Building	S-EB-1.2	Permanent	Yes	Academic	YES	8,305	6	144	1
199	San Ramon Valley (	S-EB	East Building	S-EB-2.1	Permanent	Yes	Academic	YES	16,610	15	96	1
200	San Ramon Valley (	S-WB	West Building	S-WB-1.1	Permanent	Yes	Academic	YES	16,610	130	120	1
201	San Ramon Valley (	S-WB	West Building	S-WB-2.1	Permanent	Yes	Academic	YES	16,610	22	120	1
202			Totals									
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	C	D	M	N	O	P	Q	R	S	T	U
1	Building Name	Consolidated TR ID	Decision on How Many Network Connections to Count (using the Client database unless it shows 0)	Number of Access Points Needed to Cover the Square Footage Using Assumption 7	If There Is No Square Footage Information, but There Are Telephones, We Will Install Assumption 8 Access Points	Ratio of Telephones to Each Access Point	The Ratio of Telephones Is Not an Issue in This Configuration Override the Formula	TR Type 1 = MDF 2 = IDF 3 = Voice Only 4 = Node	Added Access Points for outside the Building (wired from the MDF - using Assumption 9)	Sum of the Access Points Needed in Each TR (Assumption = DVC is 50% OK, LMC is 30%OK, and SRC is 70% OK already)	Sum of the Wireless Controller Blades in the Distribution Switches
191	District Office	M-EC-3.1v		1	0	50.0	0	IDF	0	1	
192	District Office	M-EC-3.2	156	1	0	2.0	0	MDF	2	3	1
193	District Office	M-EC-4.1	60	1	0	35.0	0	IDF	0	1	
194	District Office	M-EC-5.1	48	1	0	35.0	0	IDF	0	1	
195	District Office	M-EC-6.1	24	1	0	30.0	0	IDF	0	1	
196	Central Plant	S-CP-1.1	8	1	0	16.0	0	MDF	2	0	
197	East Building	S-EB-1.1	144	1	0	26.0	0	MDF	2	0	1
198	East Building	S-EB-1.2	144	1	0	6.0	0	IDF	0	0	
199	East Building	S-EB-2.1	96	2	0	7.5	0	IDF	0	0	
200	West Building	S-WB-1.1	120	2	0	65.0	0	MDF	2	1	
201	West Building	S-WB-2.1	120	2	0	11.0	0	IDF	0	0	
202	Totals										
203											
204											
205											Brentwood Center
206											Contra Costa
207											Diablo Valley
208											Los Medanos
209											District Office
210											San Ramon Valley Center
211											Totals
212											
213											
214											
215											
216											
217											
218											
219											
220											
221											
222											
223											
224											
225											
226											

	C	D	V	W	X	Y	Z	AA	AB
1	Building Name	Consolidated TR ID	Cost of the Internal Access Points	Cost for the Installation of Internal Access Points	Cost of the Horizontal Cabling for Each Access Point	Cost for Wireless Controller Blades in the Distribution Switches	Cost of the External Access Points	Cost for the Installation of External Access Points	Totals for This TR
191	District Office	M-EC-3.1v	$ 520	$ 150	$ 600				$ 1,270
192	District Office	M-EC-3.2	$ 520	$ 150	$ 1,800	$ 15,000	$ 2,620	$ 900	$ 20,990
193	District Office	M-EC-4.1	$ 520	$ 150	$ 600				$ 1,270
194	District Office	M-EC-5.1	$ 520	$ 150	$ 600				$ 1,270
195	District Office	M-EC-6.1	$ 520	$ 150	$ 600				$ 1,270
196	Central Plant	S-CP-1.1					$ 2,620	$ 900	$ 3,520
197	East Building	S-EB-1.1				$ 15,000	$ 2,620	$ 900	$ 18,520
198	East Building	S-EB-1.2							$ -
199	East Building	S-EB-2.1							$ -
200	West Building	S-WB-1.1	$ 1,040	$ 300	$ 600		$ 2,620	$ 900	$ 5,460
201	West Building	S-WB-2.1							$ -
202	Totals		$ 81,120	$ 23,400	$ 148,800	$ 90,000	$ 311,780	$ 107,100	$ 762,200
203									$ 762,200
204									
205			$ 520	$ 150	$ 1,800	$ 15,000	$ 2,620	$ 900	$ 20,990
206			$ 29,640	$ 8,550	$ 76,200	$ 15,000	$ 91,700	$ 31,500	$ 252,590
207			$ 34,320	$ 9,900	$ 37,800	$ 15,000	$ 146,720	$ 50,400	$ 294,140
208			$ 12,480	$ 3,600	$ 26,400	$ 15,000	$ 57,640	$ 19,800	$ 134,920
209			$ 3,120	$ 900	$ 6,000	$ 15,000	$ 5,240	$ 1,800	$ 32,060
210			$ 1,040	$ 300	$ 600	$ 15,000	$ 7,860	$ 2,700	$ 27,500
211			$ 81,120	$ 23,400	$ 148,800	$ 90,000	$ 311,780	$ 107,100	$ 762,200
212									
213									
214							Material Costs:	$ 631,700	
215							Labor Costs:	$ 130,500	
216				5%		Wireless Access Point Design Survey Cost:	$ 38,110	
217							Subtotal:	$ 800,310	
218				0.0%			Tax on Material:	$ -	
219				10.0%			Contingency	$ 80,031	
220				3.0%			Engineering / Drawings	$ 24,009	
221						Professional Services (Network Design) (Not Applicable)	$ -	
222				0.0%			Implementation Services	$ -	
223				0.0%			TSA Process	$ -	
224				0.0%			University Overhead	$ -	
225									
226						Grand Total Cost for this Wireless Option:	$ 904,350	

Attachment VI

Wide Area Network Costs

Summary pages are included in the written report. The detailed data files are included on the accompanying CD.

	Config I	Config II	Config III	Config IV	Config V	Config VI	Config VII
Configuration Alternative Details	Mitel All Digital	Upgraded Mitel 50% VoIP	Hybrid IP-PBX 50% VoIP	Upgraded Mitel 100% VoIP	VoIP System 100% VoIP	Mitel All Digital	Upgraded Mitel 50% VoIP
	100/1000 MB Non-POE Data (working@cut)	100/1000 MB POE Data (working@cut)	100/1000 MB POE Data (working@cut)	100/1000 MB POE Data (working@cut)	100/1000 MB POE Data (working@cut)	100/1000 MB Data (working@cut)	100/1000 MB POE Data (working@cut)
	Wireless Overlay	Wireless Overlay	Wireless Overlay	Wireless Overlay	Wireless Overlay	Wireless Overlay	Wireless Overlay
	Less Survivable	Less Survivable	Less Survivable	Less Survivable	Less Survivable	More Survivable	More Survivable
WAN Network Cost							
WAN Routers & Startup Cost	$45,551	$45,551	$45,551	$45,551	$45,551	$193,157	$193,157
WAN Network Total	$45,551	$45,551	$45,551	$45,551	$45,551	$193,157	$193,157
WAN Annual Operational Costs							
Added DS1 WAN Costs	$24,797	$24,797	$24,797	$24,797	$24,797	None	None
Reduction of the Existing Voice T1's	$0	($22,743)	($22,743)	($22,743)	($22,743)	($22,743)	($22,743)
AT&T Opti-MAN / MPLS Network	None	None	None	None	None	$162,947	$162,947
Total WAN Annual Operational Costs	$24,797	$2,054	$2,054	$2,054	$2,054	$140,204	$140,204

	Config VIII	Config IX	Config X
Configuration Alternative Details	Hybrid IP-PBX 50% VoIP	Upgraded Mitel 100% VoIP	VoIP System 100% VoIP
	100/1000 MB POE Data (working@cut)	100/1000 MB POE Data (working@cut)	100/1000 MB POE Data (working@cut)
	Wireless Overlay	Wireless Overlay	Wireless Overlay
	More Survivable	More Survivable	More Survivable
WAN Network Cost			
WAN Routers & Startup Cost	$193,157	$193,157	$193,157
WAN Network Total	$193,157	$193,157	$193,157
WAN Annual Operational Costs			
Added DS1 WAN Costs	None	None	None
Reduction of the Existing Voice T1's	($22,743)	($22,743)	($22,743)
AT&T Opti-MAN / MPLS Network	$162,947	$162,947	$162,947
Total WAN Annual Operational Costs	$140,204	$140,204	$140,204

Attachment VII

Summary of Capital Costs

Summary pages are included in the written report. The detailed data files are included on the accompanying CD.
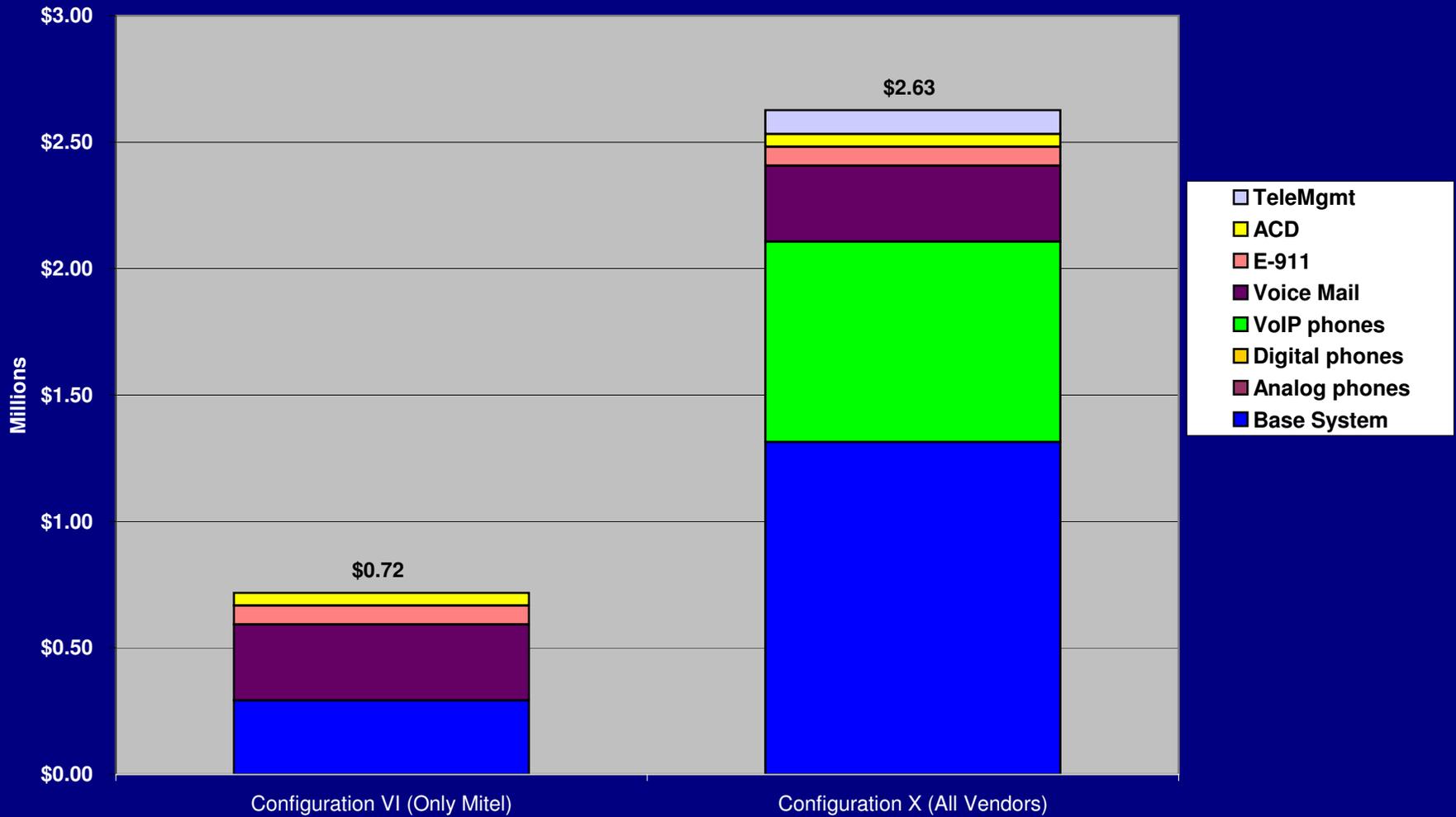
Contra Costa
Telecommunications Strategic Plan
Capital / LCOC Summaries

February 25, 2009

Configuration #		6	10
Cable Plant Treatment		Combined Infrastructure: Prepare Common Cable Plant However, Do Not Deploy VoIP	Combined Infrastructure: Common Cable Plant for the Voice and Data Networks Using Converged VoIP
Wireless Treatment		Wireless Overlay	Wireless Overlay
Data Network		100/1000 MB Data (working@cut)	100/1000 MB POE Data (working@cut)
Data Network and WAN Survivability Level		More Survivable	More Survivable
Voice Network		Mitel All Digital	VoIP System 100% VoIP
Analog Phones		Analog Phone -> Analog Phone	Analog Phone -> Analog Phone
Multiline Phones		Digital Phone -> Digital Phone	Digital Phone -> 100% VoIP Phones

Voice Network			
Voice System Base Price		$292,731	$1,313,636
End User Telephone Devices - Analog		Existing	$0
End User Telephone Devices - Digital		Existing	$0
End User Telephone Devices - Wired VoIP		$0	$793,260
End User Telephone Devices - Wireless VoIP		$0	$0
Voice Network Adjunct Systems			
Voice Mail w/Unified Communications		$300,000	$300,000
E-911 System		$75,000	$75,000
ACD/Call Center		$50,000	$50,000
Telemanagement System		NA	$95,000
Data Network			
Edge - 48-port wo PoE		$487,312	$0
Edge - 24-port wo PoE		$65,237	$0
Edge - 8-port wo PoE		$1,868	$0
Edge - 48-port with PoE		$0	$635,475
Edge - 24-port with PoE		$0	$94,722
Edge - 8-port with PoE		$139,668	$50,887
Edge - UPS		$117,500	$75,500
Edge - Configuration and Installation		$155,040	$118,560
Distribution Switches		$37,495	$37,495
Redundant Distribution Switches		$37,495	$37,495
Distribution - Configuration and Installation		$15,360	$15,360
District Core (DO)		$430,368	$430,368
Disaster Recovery Core (DVC)		$107,592	$107,592
Core - Configuration and Installation		$57,600	$57,600
Network Design and Engineering		$82,627	$83,053
802.11 Wireless Data Network			
Material Costs:		$631,700	$631,700
Labor Costs:		$130,500	$130,500
Wireless Access Point Design Survey Cost:		$38,110	$38,110
Contingency		$80,031	$80,031
Engineering / Drawings		$24,009	$24,009
WAN Network Cost			
WAN Routers and Switches		$193,157	$193,157
Inside Plant TR and Riser Construction			
TR Construction		$913,900	$859,500
Clearing TR Area		$5,000	$5,000

Contra Costa
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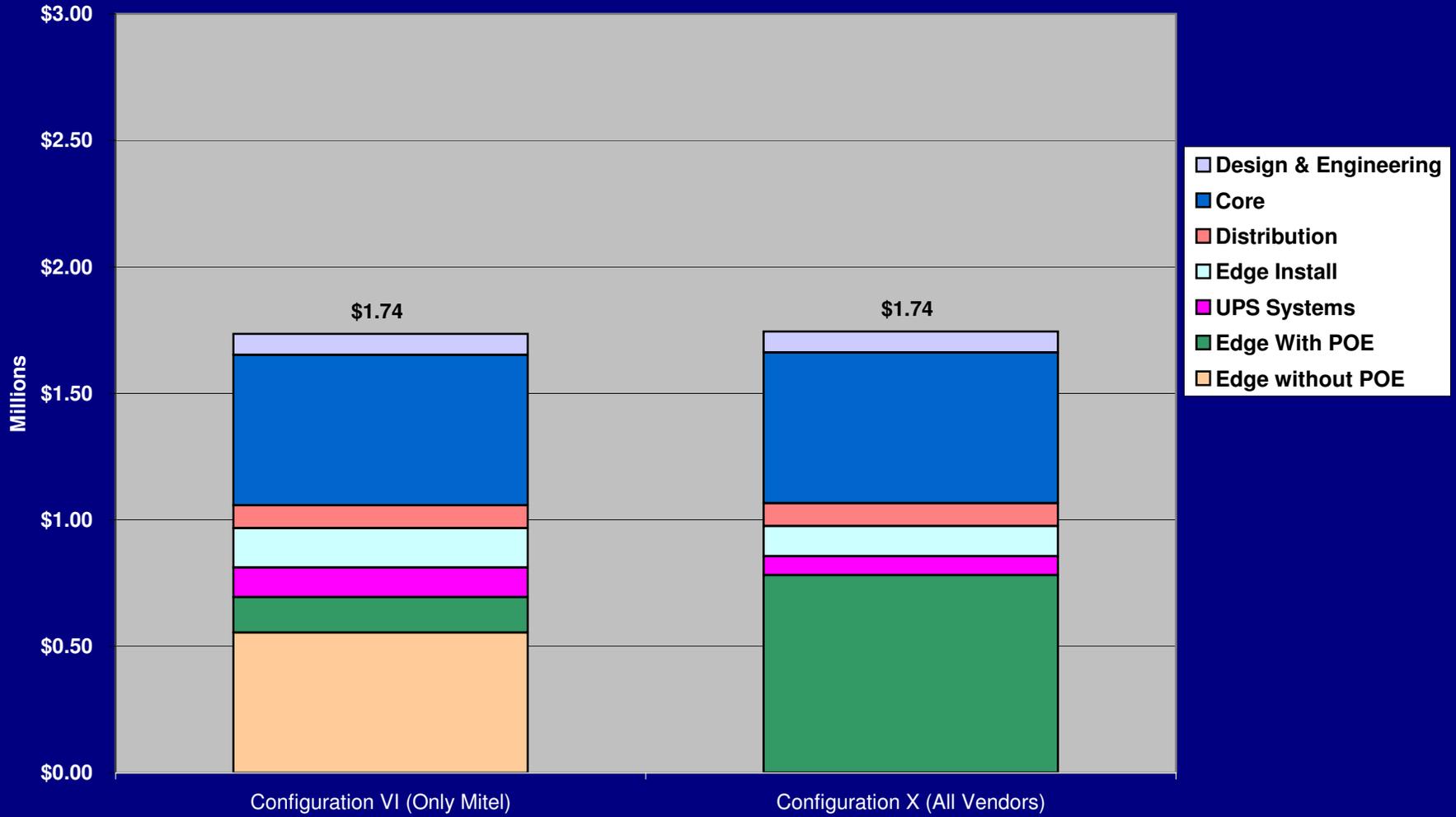| Configuration #		6	10
Cable Plant Treatment		Combined Infrastructure: Prepare Common Cable Plant However, Do Not Deploy VoIP	Combined Infrastructure: Common Cable Plant for the Voice and Data Networks Using Converged VoIP
Wireless Treatment		Wireless Overlay	Wireless Overlay
Data Network		100/1000 MB Data (working@cut)	100/1000 MB POE Data (working@cut)
Data Network and WAN Survivability Level		More Survivable	More Survivable
Voice Network		Mitel All Digital	VoIP System 100% VoIP
Analog Phones		Analog Phone -> Analog Phone	Analog Phone -> Analog Phone
Multiline Phones		Digital Phone -> Digital Phone	Digital Phone -> 100% VoIP Phones

TR Environmental		$272,100	$280,300
ISP Fiber Riser Costs		$374,028	$424,150
Horizontal Cabling Due to TR Contruction		$855,921	$1,302,420
Horizontal Cabling Due to Substandard Data Cable or VoIP I		$156,410	$156,410
Contingency		$257,736	$302,778
Engineering / Drawings		$154,641	$181,667
Professional Services (Pre-Construction Manager)		$128,868	$151,389
Construction Manager Cost		$128,868	$151,389
Commissioning Cost		$77,321	$90,833
Capital Project Management		$0	$0
Outside Plant Campus Augmentation			
Outside Plant Mitigation and expansion costs		$84,630	$84,630
Contingency		$8,463	$8,463
Conduit Engineering / Drawings (Engineering Firm)		$5,078	$5,078
Client Media Engineering Services		$4,232	$4,232
Implementation Services (Engineering Firm)		$4,232	$4,232
Bid Process (Engineering Firm)		$2,539	$2,539
District Overhead		$0	$0
Additional Implementation Costs (Overall)			
Sales Tax	0.00%	$0	$0
Contingency (Voice and Data Only)	10.00%	$698,436	$948,352
District-Provided Project Management	3.00%	$209,531	$284,506
Implementation Oversight Services	5.00%	$349,218	$474,176
RFP Process	3.00%	$209,531	$284,506
TSA Process	3.00%	$209,531	$284,506
Total Cost by Configuration		**$8,660,613**	**$11,759,562**

Capital Costs
Voice Network Only

Capital Costs
Data Network Only

Capital Costs
Wireless Overlay Network Only

Millions

$1.40
$1.20
$1.00
$0.80
$0.60
$0.40
$0.20
$0.00

$0.90

$0.90

Configuration VI (Only Mitel)

Configuration X (All Vendors)

■ Wireless Install
■ Wireless Survey
■ Wireless System
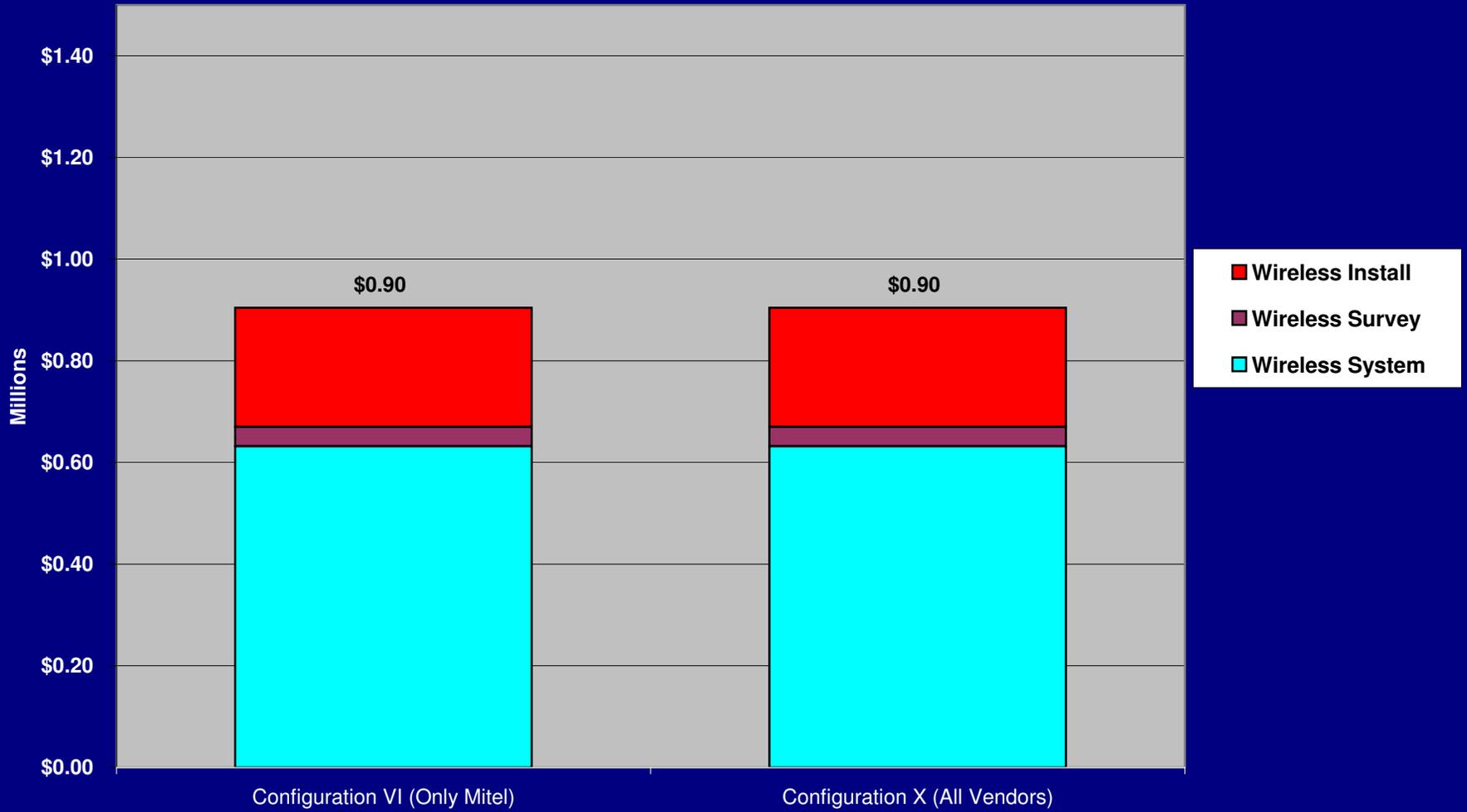
Capital Costs
Wide Area Network Only
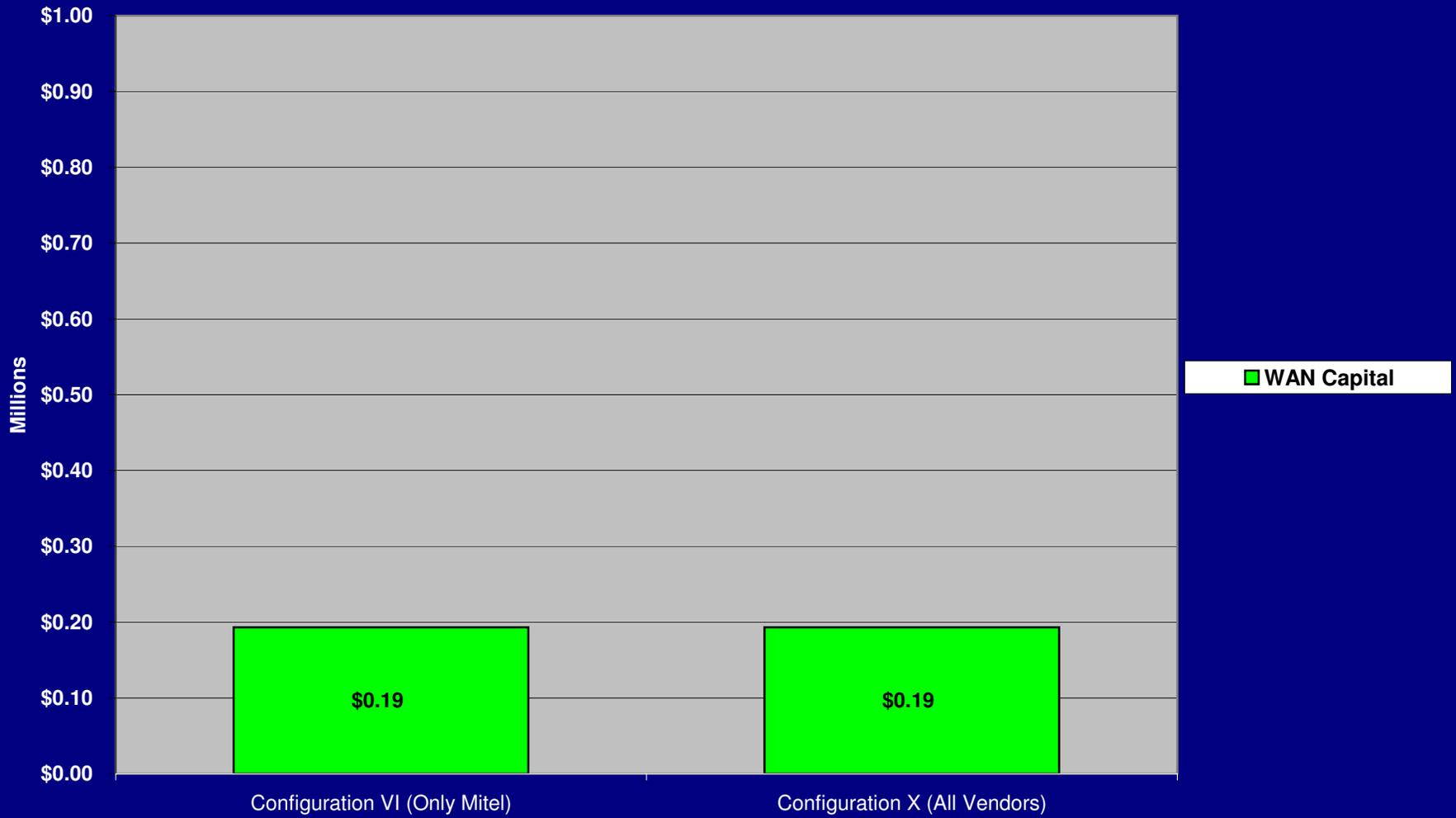
Capital Costs
Inside Plant Infrastructure Only
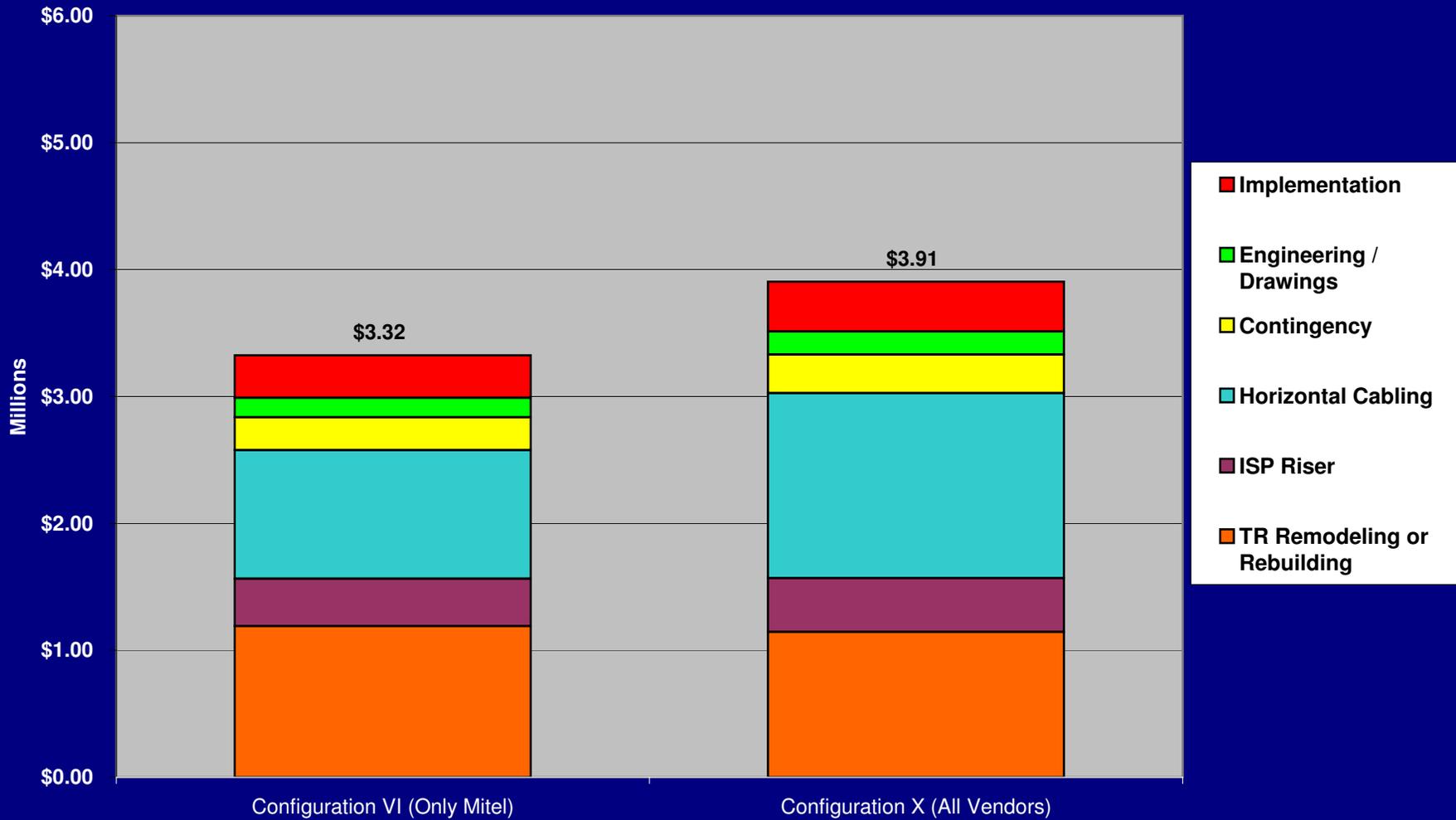
**Capital Costs
Outside Plant Infrastructure Only**

Capital Costs
Implementation Costs Only

Attachment VIII

10-Year Life-Cycle Costs

Summary pages are included in the written report. The detailed data files are included on the accompanying CD.

Contra Costa Telecommunications Strategic Plan
LCOC Model

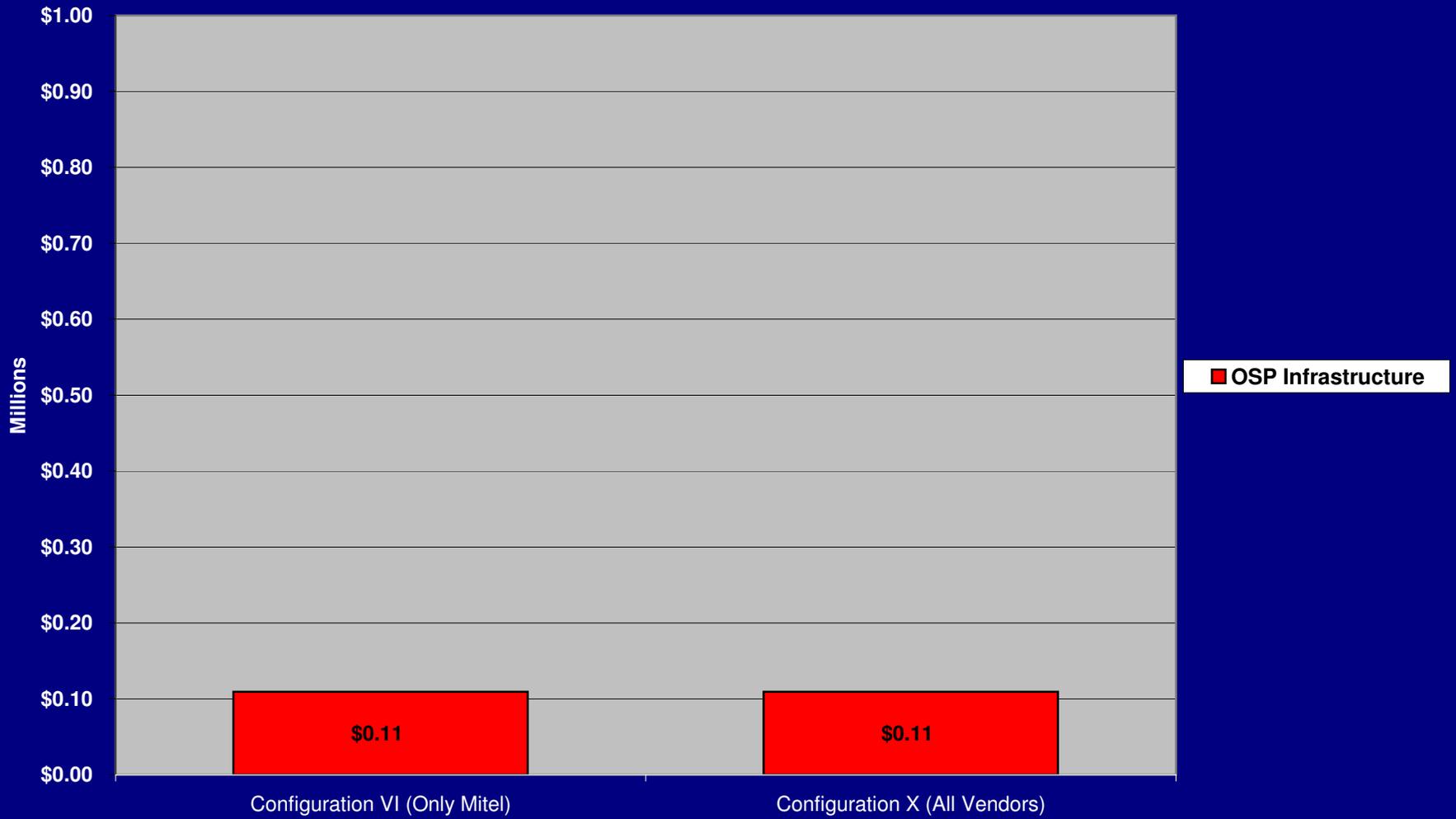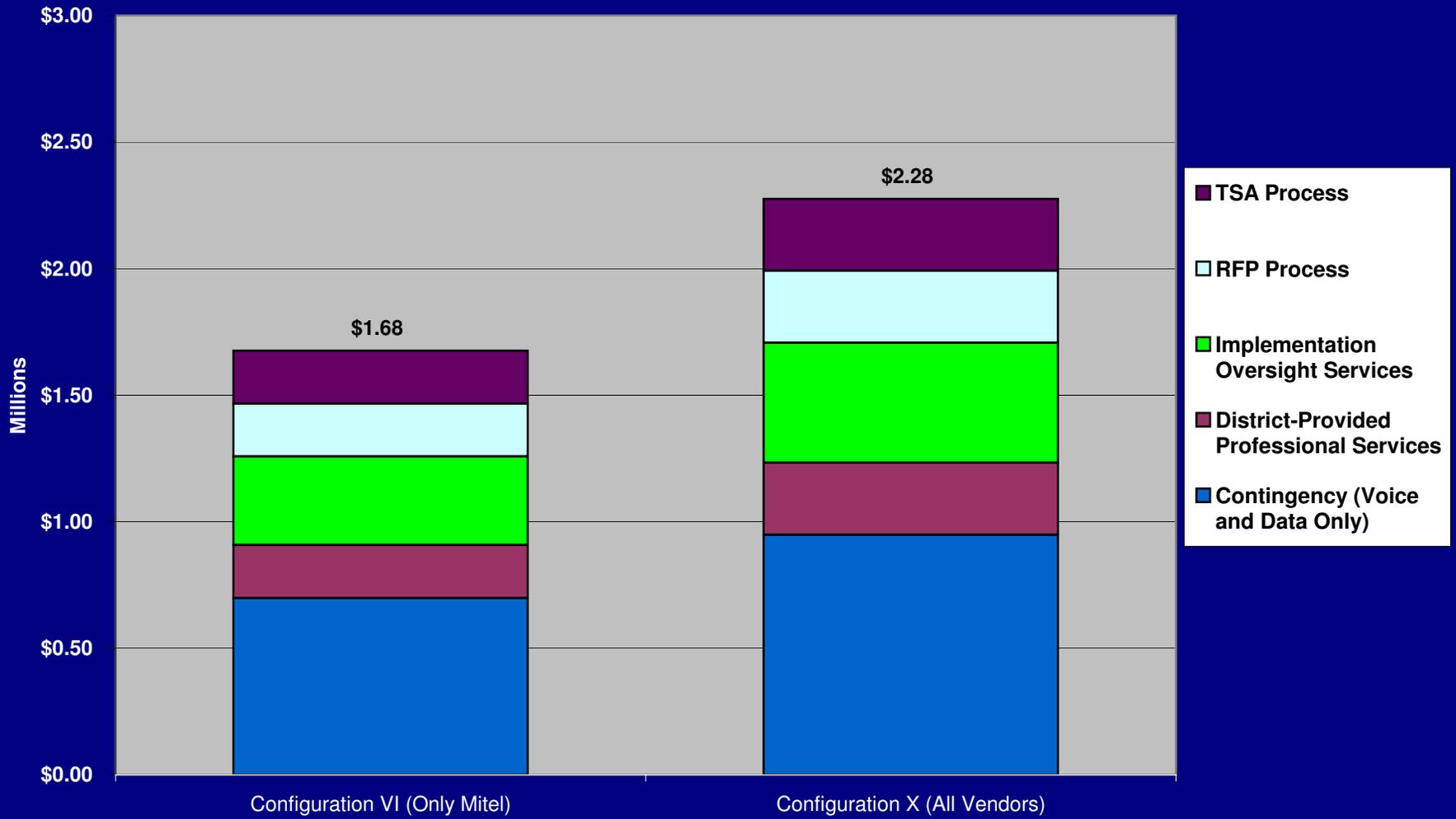|	A	B	C	D	E	F	G	H	I	J	K	L
1		Mitel All Digital	Upgraded Mitel 50% VoIP	Hybrid IP-PBX 50% VoIP	Upgraded Mitel 100% VoIP	VoIP System 100% VoIP	Mitel All Digital	Upgraded Mitel 50% VoIP	Hybrid IP-PBX 50% VoIP	Upgraded Mitel 100% VoIP	VoIP System 100% VoIP	
2		Less Survivable	Less Survivable	Less Survivable	Less Survivable	Less Survivable	More Survivable	More Survivable	More Survivable	More Survivable	More Survivable	
3	LCOC Summary 10-Year Totals	Conf I	Conf II	Conf III	Conf IV	Conf V	Conf VI	Conf VII	Conf VIII	Conf IX	Conf X	
4	Voice Capital	$521,305	$1,445,417	$2,237,360	$1,756,257	$2,310,135	$717,731	$1,518,235	$2,804,388	$2,290,488	$2,626,896	
5	Data Capital	$1,562,660	$1,571,606	$1,571,606	$1,571,606	$1,571,606	$1,735,161	$1,744,107	$1,744,107	$1,744,107	$1,744,107	
6	Wireless Capital	$904,350	$904,350	$904,350	$904,350	$904,350	$904,350	$904,350	$904,350	$904,350	$904,350	
7	WAN Capital (For More Survivable)	$45,551	$45,551	$45,551	$45,551	$45,551	$193,157	$193,157	$193,157	$193,157	$193,157	
8	ISP Infrastructure	$4,012,596	$4,764,530	$4,764,530	$4,764,530	$4,764,530	$4,012,596	$4,764,530	$4,764,530	$4,764,530	$4,764,530	
9	OSP Infrastructure	$109,173	$109,173	$109,173	$109,173	$109,173	$109,173	$109,173	$109,173	$109,173	$109,173	
10	Implementation	$1,717,353	$2,121,751	$2,311,817	$2,196,352	$2,329,283	$1,841,320	$2,216,053	$2,524,729	$2,401,393	$2,482,131	
11	Voice Refreshment	$375,000	$470,000	$470,000	$470,000	$470,000	$425,000	$520,000	$520,000	$520,000	$520,000	
12	Data Refreshment	$1,564,762	$1,644,561	$1,644,561	$1,644,561	$1,644,561	$1,717,528	$1,797,328	$1,797,328	$1,797,328	$1,797,328	
13	Wireless Refreshment	$762,200	$762,200	$762,200	$762,200	$762,200	$762,200	$762,200	$762,200	$762,200	$762,200	
14	WAN Refreshment	$45,551	$45,551	$45,551	$45,551	$45,551	$193,157	$193,157	$193,157	$193,157	$193,157	
15	Voice Operations	$2,925,887	$3,693,713	$4,093,196	$3,932,583	$4,313,588	$3,111,242	$3,752,988	$4,656,564	$4,462,498	$4,621,684	
16	Data Maintenance	$842,132	$904,772	$904,772	$904,772	$904,772	$952,124	$1,014,764	$1,014,764	$1,014,764	$1,014,764	
17	WAN Maintenance	$173,578	$173,578	$173,578	$173,578	$173,578	$1,140,629	$1,140,629	$1,140,629	$1,140,629	$1,140,629	
18	FTE Additions	$0	$710,310	$710,310	$710,310	$710,310	$710,310	$1,420,620	$1,420,620	$1,420,620	$1,420,620	
19	Voice Growth	$841,016	$541,413	$541,413	$978,481	$978,481	$841,016	$541,413	$541,413	$978,481	$978,481	
20	Data Growth	$565,062	$565,062	$565,062	$565,062	$565,062	$565,062	$565,062	$565,062	$565,062	$565,062	
21	Total Costs	$16,968,175	$20,473,538	$21,855,029	$21,534,916	$22,602,731	$19,931,758	$23,157,766	$25,656,172	$25,261,937	$25,838,270	
22												
23												
24	**Additional FTE's included in the LCOC**											WAC starting salary
25	Voice System Engineer	0	1	1	1	1	0	1	1	1	1	$ 90,000.00
26	Voice Technician	0	0	0	0	0	0	0	0	0	0	$ 43,000.00
27	802.11 / WAN Engineer	0	0	0	0	0	0	0	0	0	0	$ 43,000.00
28	Data Network Engineer	0	0	0	0	0	1	1	1	1	1	$ 90,000.00

Contra Costa
Telecommunications Strategic Plan
Capital / LCOC Summaries

Configuration #		6	10
Cable Plant Treatment		Combined Infrastructure: Prepare Common Cable Plant However, Do Not Deploy VoIP	Combined Infrastructure: Common Cable Plant for the Voice and Data Networks Using Converged VoIP
Wireless Treatment		Wireless Overlay	Wireless Overlay
Data Network		100/1000 MB Data (working@cut)	100/1000 MB POE Data (working@cut)
Data Network and WAN Survivability Level		More Survivable	More Survivable
Voice Network		Mitel	New IP-PBX or Serverbased VoIP System
Analog Phones		Analog Phone -> Analog Phone	Analog Phone -> Analog Phone
Multiline Phones		Digital Phone -> Digital Phone	Digital Phone -> 100% VoIP Phones
Voice Capital		$717,731	$2,626,896
Data Capital		$1,735,161	$1,744,107
Wireless Capital		$904,350	$904,350
WAN Capital (For More Survivable)		$193,157	$193,157
ISP Infrastructure		$3,324,792	$3,905,835
OSP Infrastructure		$109,173	$109,173
Implementation		$1,676,248	$2,276,044
Voice Refreshment		$425,000	$520,000
Data Refreshment		$1,717,528	$936,414
Wireless Refreshment		$762,200	$762,200
WAN Refreshment		$193,157	$193,157
Voice Operations		$3,111,242	$4,424,639
Data Maintenance		$952,124	$1,014,764
WAN Maintenance		$1,140,629	$1,140,629
FTE Additions		$710,310	$1,420,620
Voice Growth		$841,016	$978,481
Data Growth		$565,062	$565,062
Total		$19,078,881	$23,715,529

$25,838,270 Old total
$2,122,741

Configuration #		6	10
Cable Plant Treatment		Combined Infrastructure: Prepare Common Cable Plant However, Do Not Deploy VoIP	Combined Infrastructure: Common Cable Plant for the Voice and Data Networks Using Converged VoIP
Wireless Treatment		Wireless Overlay	Wireless Overlay
Data Network		100/1000 MB Data (working@cut)	100/1000 MB POE Data (working@cut)
Data Network and WAN Survivability Level		More Survivable	More Survivable
Voice Network		Mitel	New IP-PBX or Serverbased VoIP System
Analog Phones		Analog Phone -> Analog Phone	Analog Phone -> Analog Phone
Multiline Phones		Digital Phone -> Digital Phone	Digital Phone -> 100% VoIP Phones

Capital	$8,660,613	$11,759,562
Refreshment	$3,097,886	$2,411,771
Maintenance	$5,203,995	$6,580,032
FTE Additions	$710,310	$1,420,620
System Growth	$1,406,077	$1,543,542
	$19,078,881	$23,715,529

For the charts   1E+06
Configuration VI (Onlyuration X (All Vendors)

Capital	$8.66	$11.76
Refreshment	$3.10	$2.41
Maintenance	$5.20	$6.58
FTE Additions	$0.71	$1.42
System Growth	$1.41	$1.54
Total Life Cycle	$19.08	$23.72

7 - Year LCOC Costs
Incuding Capital Costs (Without Financing)
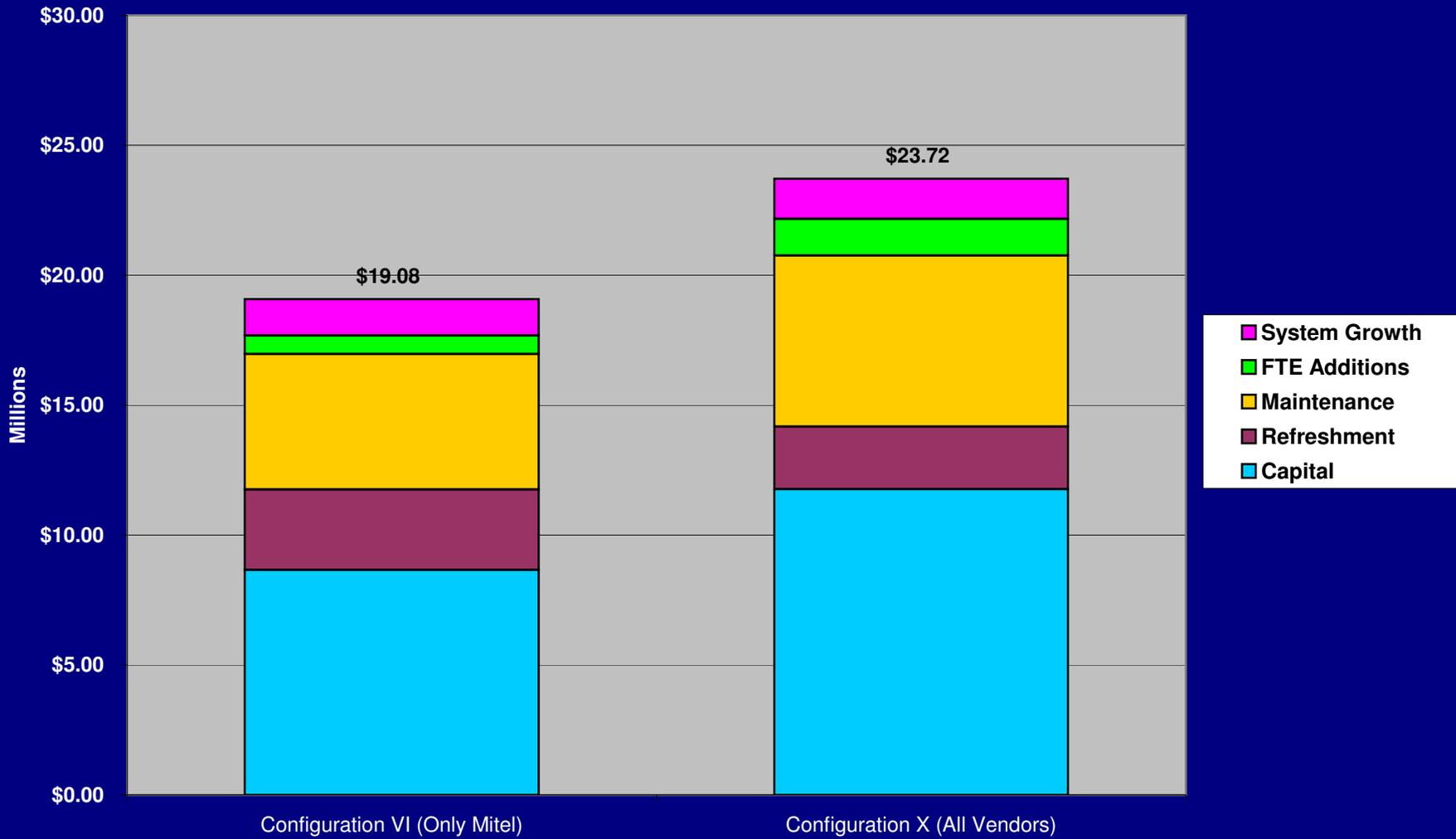
	A	B	C	D	E
1		Mitel All Digital	VoIP System 100% VoIP		
2		More Survivable	More Survivable		
3	LCOC Summary 10-Year Totals	**Conf VI**	**Conf X**		
4	Voice Capital	$717,731	$2,626,896		
5	Data Capital	$1,735,161	$1,744,107		
6	Wireless Capital	$904,350	$904,350		
7	WAN Capital (For More Survivable)	$193,157	$193,157		
8	ISP Infrastructure	$3,324,792	$3,905,835		
9	OSP Infrastructure	$109,173	$109,173		
10	Implementation	$1,676,248	$2,276,044		
11	Voice Refreshment	$425,000	$520,000		
12	Data Refreshment	$1,717,528	$936,414		
13	Wireless Refreshment	$762,200	$762,200		
14	WAN Refreshment	$193,157	$193,157		
15	Voice Operations	$3,111,242	$4,424,639		
16	Data Maintenance	$952,124	$1,014,764		
17	WAN Maintenance	$1,140,629	$1,140,629		
18	FTE Additions	$710,310	$1,420,620		
19	Voice Growth	$841,016	$978,481		
20	Data Growth	$565,062	$565,062		
21	Total Costs	$19,078,881	$23,715,529		
22					
23					
24	**Additional FTE's included in the LCOC**			WAC starting salary	
25	Voice System Engineer	0	1	$ 90,000.00	
26	Voice Technician	0	0	$ 43,000.00	
27	802.11 / WAN Engineer	0	0	$ 43,000.00	
28	Data Network Engineer	1	1	$ 90,000.00	
29					
30					
31					
32					
33					

	A	B	C	D	E	F	G	H	I	J
1	**Config VI**		Port Model =	TOTDT021 Buildings						
2	**Legacy Mitel, LAN w/o In-Line Power, Wireless Overlay**									
3	**Analog Phone -> Analog Phone**									
4	**Digital Phone -> Digital Phone**									
5	**100/1000 MB Data (working@cut)**									
6	**More Survivable**		Current	WAC	Equipped		Wired			Capacity
7			**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
8										
9	Item	Quantity								
10										
11	**Configuration Variables**									
12	**Port Model Sizing (From Port Model)**									
13	Analog (System physical ports)		434	464	464	497	529	543	556	570
14	Digital Ports (System physical ports)		2,685	2,938	2,968	3,239	3,509	3,629	3,748	3,868
15										
16	**Station Apparatus Sizing (From Port Model)**									
17	Analog		434	464	464	497	529	543	556	570
18	Digital		2,685	2,938	2,968	3,239	3,509	3,629	3,748	3,868
19	VoIP		0	0	0	0	0	0	0	0
20	Wireless VoIP		0	0	0	0	0	0	0	0
21										
22	**Growth Variables**									
23	Port Model Growth									
24	Analog (System physical ports)		434	30	0	33	33	14	14	14
25	Digital Ports (System physical ports)		2,685	253	30	271	271	120	120	120
26										
27	Station Apparatus Growth									
28	Analog		434	30	0	33	33	14	14	14
29	Digital		2,685	253	30	271	271	120	120	120
30	VoIP		0	0	0	0	0	0	0	0
31	Wireless VoIP		0	0	0	0	0	0	0	0
32	Miscellaneous Equipment		3,119	283	30	304	304	134	134	134
33										
34	End User Training for New System		3,119	3,402	30	303	303	133	133	133
35	Automatic Call Distribution License		0	0	0	0	0	0	0	0
36	Voice Mail Licenses		2,685	2,938	30	271	271	120	120	120
37	911 License		3,119	3,402	30	303	303	133	133	133
38										
39	Trunking									
40	PRI		0	0	0	0	6	6	6	6
41	DID Numbers		0	2,938	30	271	271	120	120	120
42										
43	Data Network Growth (From Port Model)		11,122	11,642	12,590		15,139			18,648
44	Network Connections		11,122	520	948	1,275	1,275	1,170	1,170	1,170
45										
46	**One-Time Costs**									
47	Centrex Line									
48	Analog		$104.85	$104.85	$104.85	$104.85	$104.85	$104.85	$104.85	$104.85
49	Multiline		$114.85	$114.85	$114.85	$114.85	$114.85	$114.85	$114.85	$114.85
50										
51	Voice System: Average per Port cost for growth			$310.31	$310.31	$310.31	$310.31	$310.31	$310.31	$310.31
52	Data System: Average per Port cost for growth			$48.13	$48.13	$48.13	$48.13	$48.13	$48.13	$48.13
53										
54	Telephone Equipment									

Contra Costa Telecommunications Strategic Plan
Life Cycle

	A	B	C	D	E	F	G	H	I	J
55	Analog		$20.00	$20.00	$20.00	$20.00	$20.00	$20.00	$20.00	$20.00
56	Digital		$209.00	$209.00	$209.00	$209.00	$209.00	$209.00	$209.00	$209.00
57	VoIP		$270.00	$270.00	$270.00	$270.00	$270.00	$270.00	$270.00	$270.00
58	Wireless VoIP		$320.00	$320.00	$320.00	$320.00	$320.00	$320.00	$320.00	$320.00
59	Miscellaneous Equipment		$10.00	$10.00	$10.00	$10.00	$10.00	$10.00	$10.00	$10.00
60										
61	End User Training for New System		$12.00	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
62										
63	Automatic Call Distribution License		$1,140	$1,140	$1,140	$1,140	$1,140	$1,140	$1,140	$1,140
64	Voice Mail Licenses		$41	$41	$41	$41	$41	$41	$41	$41
65	911 License		$21	$21	$21	$21	$21	$21	$21	$21
66	User License		$70	$70	$70	$70	$70	$70	$70	$70
67										
68	Trunking (installation)									
69	PRI		$500	$500	$500	$500	$500	$500	$500	$500
70	DID Numbers		$0.80	$0.80	$0.80	$0.80	$0.80	$0.80	$0.80	$0.80
71										
72	**Recurring Costs**									
73	System Hardware									
74	Average Monthly System Maintenance per Port after Warranty		$2.00	$2.00	$2.00	$2.00	$2.00	$2.00	$2.00	$2.00
75	Average Monthly Maintenance per Port for Data Network		Details included in Data spreadsheet.							
76										
77	Centrex Line (monthly)									
78	Analog		$9.90	$9.90	$9.90	$9.90	$9.90	$9.90	$9.90	$9.90
79	Multiline		$9.90	$9.90	$9.90	$9.90	$9.90	$9.90	$9.90	$9.90
80										
81	Features (Monthly)									
82	Caller ID Number Display - Admin		$5.00	$5.00	$5.00	$5.00	$5.00	$5.00	$5.00	$5.00
83	Caller ID Name Display - Admin		$2.00	$2.00	$2.00	$2.00	$2.00	$2.00	$2.00	$2.00
84										
85	Telephone Equipment Replacement Allowance (Monthly)									
86	Analog	0.0%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
87	Digital	0.0%	$2.49	$2.49	$2.49	$2.49	$2.49	$2.49	$2.49	$2.49
88	VoIP	0.0%	$4.50	$4.50	$4.50	$4.50	$4.50	$4.50	$4.50	$4.50
89	Wireless VoIP	0.0%	$5.33	$5.33	$5.33	$5.33	$5.33	$5.33	$5.33	$5.33
90	Miscellaneous Equipment		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
91	Adjunct System Maintenance (Monthly)									
92	Automatic Call Distribution	0.0%	$34.88	$34.88	$34.88	$34.88	$34.88	$34.88	$34.88	$34.88
93	Voice Mail	0.0%	$0.64	$0.64	$0.64	$0.64	$0.64	$0.64	$0.64	$0.64
94	911	0.0%	NA	NA	NA	NA	NA	NA	NA	NA
95										
96	Data Network Edge Maintenance (Monthly)		$5.00	$5.00	$5.00	$5.00	$5.00	$5.00	$5.00	$5.00
97										
98	Trunking (monthly charge)									
99	PRI		$997.48	$997.48	$997.48	$997.48	$997.48	$997.48	$997.48	$997.48
100	DID Numbers		$0.30	$0.30	$0.30	$0.30	$0.30	$0.30	$0.30	$0.30
101	Trunking Escalation	0.0%								
102										
103	FTE Positions									
104	Voice System Engineer	3.0%	$90,000	$92,700	$95,481	$98,345	$101,296	$104,335	$107,465	$110,689
105	Voice Technician	3.0%	$43,000	$44,290	$45,619	$46,987	$48,397	$49,849	$51,344	$52,885
106	802.11 / WAN Engineer	3.0%	$43,000	$44,290	$45,619	$46,987	$48,397	$49,849	$51,344	$52,885
107	Data Network Security Engineer	3.0%	$90,000	$92,700	$95,481	$98,345	$101,296	$104,335	$107,465	$110,689
108										

	A	B	C	D	E	F	G	H	I	J
109										
110										
111	**Cost for Initial System**									
112	**Capital Costs**									
113	**Voice Network**			$0						
114	Voice System Base Price			$292,731						
115	End User Telephone Devices - Analog			Existing						
116	End User Telephone Devices - Digital			Existing						
117	End User Telephone Devices - Wired VoIP			$0						
118	End User Telephone Devices - Wireless VoIP			$0						
119	**Voice Network Adjunct Systems**			$0						
120	Voice Mail w/Unified Communications			$300,000						
121	E-911 System			$75,000						
122	ACD/Call Center			$50,000						
123	Telemanagement System			NA						
124	**Data Network**			$0						
125	Edge - 48-port wo PoE			$487,312						
126	Edge - 24-port wo PoE			$65,237						
127	Edge - 8-port wo PoE			$1,868						
128	Edge - 48-port with PoE			$0						
129	Edge - 24-port with PoE			$0						
130	Edge - 8-port with PoE			$139,668						
131	Edge - UPS			$117,500						
132	Edge - Configuration and Installation			$155,040						
133	Distribution Switches			$37,495						
134	Redundant Distribution Switches			$37,495						
135	Distribution - Configuration and Installation			$15,360						
136	District Core (DO)			$430,368						
137	Disaster Recovery Core (DVC)			$107,592						
138	Core - Configuration and Installation			$57,600						
139	Network Design and Engineering			$82,627						
140	**802.11 Wireless Data Network**			$0						
141	Material Costs:			$631,700						
142	Labor Costs:			$130,500						
143	Wireless Access Point Design Survey Cost:			$38,110						
144	Contingency			$80,031						
145	Engineering / Drawings			$24,009						
146	**WAN Network Cost**			$0						
147	WAN Routers and Switches			$193,157						
148	**Inside Plant TR and Riser Construction**			$0						
149	TR Construction			$913,900						
150	Clearing TR Area			$5,000						
151	TR Environmental			$272,100						
152	ISP Fiber Rizer Costs			$374,028						
153	Horizontal Cabling Due to TR Contruction			$855,921						
154	Horizontal Cabling Due to Substandard Data Cable or VoIP Installation			$156,410						
155	Contingency			$257,736						
156	Engineering / Drawings			$154,641						
157	Professional Services (Pre-Construction Manager)			$128,868						
158	Construction Manager Cost			$128,868						
159	Commissioning Cost			$77,321						
160	Capital Project Management			$0						
161	**Outside Plant Campus Augmentation**			$0						
162	Outside Plant Mitigation and expansion costs			$84,630						

	A	B	C	D	E	F	G	H	I	J
163	Contingency			$8,463						
164	Conduit Engineering / Drawings (Engineering Firm)			$5,078						
165	Client Media Engineering Services			$4,232						
166	Implementation Services (Engineering Firm)			$4,232						
167	Bid Process (Engineering Firm)			$2,539						
168	County Overhead			$0						
169	**Additional Implementation Costs (Overall)**			$0						
170	Sales Tax			$0						
171	Contingency (Voice and Data Only)			$698,436						
172	District-Provided Project Management			$209,531						
173	Implementation Oversight Services			$349,218						
174	RFP Process			$209,531						
175	TSA Process			$209,531						
176										
177	Refreshment Cost for Voice Hardware/Software	7 years								
178	Refreshment Cost for Voice Adjunct Systems	5 years							$425,000	
179	Refreshment Cost for Core Data Equipment	5 years							$628,310	
180	Refreshment Cost for Access Data Equipment	5 years							$971,719	
181	Refreshment Cost for UPS Equipment & Batteries	4 years						$117,500		
182	Refreshment Cost for 802.11 Wireless System	4 years						$762,200		
183	Refreshment Cost for WAN equipment	5 years							$193,157	
184										
185	Voice System Maintenance	12.0%		Warranty	$35,128	$35,128	$35,128	$35,128	$35,128	$35,128
186	Recurring Centrex Costs									
187	Analog			NA	NA	NA	NA	NA	NA	NA
188	Multiline			NA	NA	NA	NA	NA	NA	NA
189	Recurring Features									
190	Caller ID Number Display - Admin			Incl in base	Incl in base	Incl in base	Incl in base	Incl in base	Incl in base	Incl in base
191	Caller ID Name Display - Admin			Incl in base	Incl in base	Incl in base	Incl in base	Incl in base	Incl in base	Incl in base
192										
193	Telephone Equipment Maintenance									
194	Analog			Warranty	$0	$0	$0	$0	$0	$0
195	Digital			Warranty	$96,692	$96,692	$96,692	$96,692	$96,692	$96,692
196	VoIP			Warranty	$0	$0	$0	$0	$0	$0
197	Wireless VoIP			Warranty	$0	$0	$0	$0	$0	$0
198	Miscellaneous Equipment			Warranty	$0	$0	$0	$0	$0	$0
199	Data Network Core and Distribution Maintenance	12.0%		Warranty	$75,397	$75,397	$75,397	$75,397	$75,397	$75,397
200	Data Network Access Maintenance	12.0%		Warranty	$83,290	$83,290	$83,290	$83,290	$83,290	$83,290
201	Adjunct System Maintenance			Warranty						
202	Automatic Call Distribution	12.0%		Warranty	$6,000	$6,000	$6,000	$6,000	$6,000	$6,000
203	Voice Mail	12.0%		Warranty	$36,000	$36,000	$36,000	$36,000	$36,000	$36,000
204	911	12.0%		Warranty	$9,000	$9,000	$9,000	$9,000	$9,000	$9,000
205	WAN Annual Operational Costs									
206	Added DS1 WAN Costs			None	None	None	None	None	None	None
207	Reduction of the Existing Voice T1's			($22,743)	($22,743)	($22,743)	($22,743)	($22,743)	($22,743)	($22,743)
208	AT&T Opti-MAN / MPLS Network			$162,947	$162,947	$162,947	$162,947	$162,947	$162,947	$162,947
209										
210	Trunking - PRI (One Time)	13		$6,500						
211	DID Numbers (One Time)	3,868		$3,094						
212	Trunking - PRI (Recurring)	13		$155,607	$155,607	$155,607	$155,607	$155,607	$155,607	$155,607
213	DID Numbers (Recurring)	3,868		$13,925	$13,925	$13,925	$13,925	$13,925	$13,925	$13,925
214	FTE additions									
215	Voice System Engineer	0.00		$0	$0	$0	$0	$0	$0	$0
216	Voice Technician	0.00		$0	$0	$0	$0	$0	$0	$0

	A	B	C	D	E	F	G	H	I	J
217	802.11 / WAN Engineer	0.00		$0	$0	$0	$0	$0	$0	$0
218	Data Network Security Engineer	1.00		$92,700	$95,481	$98,345	$101,296	$104,335	$107,465	$110,689
219	Total Cost for Initial System		$0	$9,072,643	$746,724	$749,589	$752,539	$1,635,278	$2,976,894	$761,932
220	Cumulative Cost for Initial System		$0	$9,072,643	$9,819,367	$10,568,956	$11,321,495	$12,956,773	$15,933,666	$16,695,598
221										
222	**Cost for System Growth**									
223	Voice Network Hardware , Software, and Labor									
224	2008		$0							
225	2009			$0						
226	2010				$9,309					
227	2011					$94,335				
228	2012						$94,335			
229	2013							$41,582		
230	2014								$41,582	
231	2015									$41,582
232										
233	Voice Network Hardware , Software, and Labor - Maintenance									
234	2008		$0	$0	$0	$0	$0	$0	$0	$0
235	2009			$0	$0	$0	$0	$0	$0	$0
236	2010				$720	$720	$720	$720	$720	$720
237	2011					$7,296	$7,296	$7,296	$7,296	$7,296
238	2012						$7,296	$7,296	$7,296	$7,296
239	2013							$3,216	$3,216	$3,216
240	2014								$3,216	$3,216
241	2015									$3,216
242										
243	Analog Telephone Sets									
244	2008		$0							
245	2009			$0						
246	2010				$0					
247	2011					$660				
248	2012						$660			
249	2013							$280		
250	2014								$280	
251	2015									$280
252										
253	Analog Telephone Set Replacement Allowance									
254	2008		$0	$0	$0	$0	$0	$0	$0	$0
255	2009			$0	$0	$0	$0	$0	$0	$0
256	2010				$0	$0	$0	$0	$0	$0
257	2011					$0	$0	$0	$0	$0
258	2012						$0	$0	$0	$0
259	2013							$0	$0	$0
260	2014								$0	$0
261	2015									$0
262										
263	Digital Telephone Sets									
264	2008		$0							
265	2009			$0						
266	2010				$6,270					
267	2011					$56,639				
268	2012						$56,639			
269	2013							$25,080		
270	2014								$25,080	

	A	B	C	D	E	F	G	H	I	J
271	2015									$25,080
272										
273	Digital Telephone Set Replacement Allowance									
274	2008		$0	$0	$0	$0	$0	$0	$0	$0
275	2009			$0	$0	$0	$0	$0	$0	$0
276	2010				$896	$896	$896	$896	$896	$896
277	2011					$8,091	$8,091	$8,091	$8,091	$8,091
278	2012						$8,091	$8,091	$8,091	$8,091
279	2013							$3,583	$3,583	$3,583
280	2014								$3,583	$3,583
281	2015									$3,583
282										
283	Wired VoIP Telephone Sets									
284	2008		$0							
285	2009			$0						
286	2010				$0					
287	2011					$0				
288	2012						$0			
289	2013							$0		
290	2014								$0	
291	2015									$0
292										
293	Wired VoIP Telephone Set Replacement Allowance									
294	2008		$0	$0	$0	$0	$0	$0	$0	$0
295	2009			$0	$0	$0	$0	$0	$0	$0
296	2010				$0	$0	$0	$0	$0	$0
297	2011					$0	$0	$0	$0	$0
298	2012						$0	$0	$0	$0
299	2013							$0	$0	$0
300	2014								$0	$0
301	2015									$0
302										
303	Wireless VoIP Telephone Sets									
304	2008		$0							
305	2009			$0						
306	2010				$0					
307	2011					$0				
308	2012						$0			
309	2013							$0		
310	2014								$0	
311	2015									$0
312										
313	Wireless VoIP Telephone Set Replacement Allowance									
314	2008		$0	$0	$0	$0	$0	$0	$0	$0
315	2009			$0	$0	$0	$0	$0	$0	$0
316	2010				$0	$0	$0	$0	$0	$0
317	2011					$0	$0	$0	$0	$0
318	2012						$0	$0	$0	$0
319	2013							$0	$0	$0
320	2014								$0	$0
321	2015									$0
322										
323	Miscellaneous Equipment									
324	2008		$0							

	A	B	C	D	E	F	G	H	I	J
325	2009			$0						
326	2010				$300					
327	2011					$3,040				
328	2012						$3,040			
329	2013							$1,340		
330	2014								$1,340	
331	2015									$1,340
332										
333	End User Training									
334	2008		$0							
335	2009			$0						
336	2010				$360					
337	2011					$3,636				
338	2012						$3,636			
339	2013							$1,600		
340	2014								$1,600	
341	2015									$1,600
342										
343	Automatic Call Distribution Licenses									
344	2008		$0							
345	2009			$0						
346	2010				$0					
347	2011					$0				
348	2012						$0			
349	2013							$0		
350	2014								$0	
351	2015									$0
352										
353	Voice Mail Licenses									
354	2008		$0							
355	2009			$0						
356	2010				$1,238					
357	2011					$11,158				
358	2012						$11,158			
359	2013							$4,936		
360	2014								$4,936	
361	2015									$4,936
362										
363	911 Licenses									
364	2008		$0							
365	2009			$0						
366	2010				$630					
367	2011					$6,363				
368	2012						$6,363			
369	2013							$2,800		
370	2014								$2,800	
371	2015									$2,800
372										
373	User Licenses									
374	2008		$0							
375	2009			$0						
376	2010				$0					
377	2011					$0				
378	2012						$21,280			

	A	B	C	D	E	F	G	H	I	J
379	2013							$9,380		
380	2014								$9,380	
381	2015									$9,380
382										
383	Additional Trunking - Installation									
384	2008		$0							
385	2009			$0						
386	2010				$0					
387	2011					$0				
388	2012						$3,000			
389	2013							$3,000		
390	2014								$3,000	
391	2015									$3,000
392										
393	Additional Trunking - Recurring									
394	2008		$0	$0	$0	$0	$0	$0	$0	$0
395	2009			$0	$0	$0	$0	$0	$0	$0
396	2010				$0	$0	$0	$0	$0	$0
397	2011					$0	$0	$0	$0	$0
398	2012						$71,819	$71,819	$71,819	$71,819
399	2013							$71,819	$71,819	$71,819
400	2014								$71,819	$71,819
401	2015									$71,819
402										
403	Voice Switch Upgrades									
404	2008		$0							
405	2009			$0						
406	2010				$0					
407	2011					$29,273				
408	2012						$0			
409	2013							$29,273		
410	2014								$0	
411	2015									$29,273
412										
413	Data Network Access Equipment									
414	2008		$0							
415	2009			$0						
416	2010				$45,628					
417	2011					$61,343				
418	2012						$61,343			
419	2013							$56,298		
420	2014								$56,298	
421	2015									$56,298
422										
423	Data Network Edge Equipment Maintenance									
424	2008		$0	$0	$0	$0	$0	$0	$0	$0
425	2009			$0	$0	$0	$0	$0	$0	$0
426	2010				$4,740	$4,740	$4,740	$4,740	$4,740	$4,740
427	2011					$6,373	$6,373	$6,373	$6,373	$6,373
428	2012						$6,373	$6,373	$6,373	$6,373
429	2013							$5,848	$5,848	$5,848
430	2014								$5,848	$5,848
431	2015									$5,848
432										

	A	B	C	D	E	F	G	H	I	J
433	Refreshment of Data Network Edge Equipment									
434	2008		$0							
435	2009			$0						
436	2010				$0					
437	2011					$0				
438	2012						$0			
439	2013							$0		
440	2014								$45,628	
441	2015									$61,343
442	Total Cost for Growth		$0	$0	$70,091	$294,563	$383,148	$381,728	$482,549	$612,003
443	Cumulative Cost for Growth		$0	$0	$70,091	$364,654	$747,802	$1,129,530	$1,612,079	$2,224,082
444										
445										
446	Total Cost for Initial System		$0	$9,072,643	$746,724	$749,589	$752,539	$1,635,278	$2,976,894	$761,932
447	Cumulative Cost for Initial System		$0	$9,072,643	$9,819,367	$10,568,956	$11,321,495	$12,956,773	$15,933,666	$16,695,598
448										
449	Total Cost for System Including Growth		$0	$9,072,643	$816,815	$1,044,151	$1,135,687	$2,017,006	$3,459,443	$1,373,935
450	Cumulative Cost for System Including Growth		$0	$9,072,643	$9,889,458	$10,933,609	$12,069,296	$14,086,303	$17,545,746	$18,919,681
451										
452										
453										
454										
455			$0	$717,731	$0	$0	$0	$0	$0	$0
456			$0	$1,735,161	$0	$0	$0	$0	$0	$0
457			$0	$904,350	$0	$0	$0	$0	$0	$0
458			$0	$193,157	$0	$0	$0	$0	$0	$0
459			$0	$3,324,792	$0	$0	$0	$0	$0	$0
460			$0	$109,173	$0	$0	$0	$0	$0	$0
461			$0	$1,676,248	$0	$0	$0	$0	$0	$0
462			$0	$0	$0	$0	$0	$0	$425,000	$0
463			$0	$0	$0	$0	$0	$117,500	$1,600,028	$0
464			$0	$0	$0	$0	$0	$762,200	$0	$0
465			$0	$0	$0	$0	$0	$0	$193,157	$0
466			$0	$179,126	$352,352	$381,625	$427,170	$528,262	$570,807	$671,899
467			$0	$0	$158,687	$158,687	$158,687	$158,687	$158,687	$158,687
468			$0	$162,947	$162,947	$162,947	$162,947	$162,947	$162,947	$162,947
469			$0	$92,700	$95,481	$98,345	$101,296	$104,335	$107,465	$110,689
470			$0	$0	$19,723	$192,834	$229,501	$126,187	$132,986	$139,785
471			$0	$0	$50,368	$72,456	$78,828	$79,631	$131,108	$152,671
472										
473			$0	$9,095,386	$839,558	$1,066,894	$1,158,430	$2,039,749	$3,482,186	$1,396,678
474			$0	$9,095,386	$9,934,944	$11,001,838	$12,160,268	$14,200,017	$17,682,203	$19,078,881

	A	B	C	D	E	F	G	H	I	J	K
1	**Config X**			Port Model =	TOTDT023 Buildings						
2	**VoIP System 100% VoIP phone system, LAN w/ In-Line Power, Wireless Overlay**										
3	**Analog Phone -> Analog Phone**										
4	**Digital Phone -> 100% VoIP Phones**										
5	**100/1000 MB Data (working@cut)**										
6	**More Survivable**	**Capital Costs**		Current	WAC	Equipped		Wired			Capacity
7				**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
8											
9	Item		Quantity								
10											
11	**Configuration Variables**										
12	**Port Model Sizing (From Port Model)**										
13	Analog (System physical ports)			434	464	464	497	529	543	556	570
14	Digital Ports (System physical ports)			2,685	0	0	0	0	0	0	0
15											
16	**Station Apparatus Sizing (From Port Model)**										
17	Analog			434	464	464	497	529	543	556	570
18	Digital			2,685	0	0	0	0	0	0	0
19	VoIP			0	2,938	2,968	3,239	3,509	3,629	3,748	3,868
20	Wireless VoIP			0	0	0	0	0	0	0	0
21											
22	**Growth Variables**										
23	Port Model Growth										
24	Analog (System physical ports)			434	30	0	33	33	14	14	14
25	Digital Ports (System physical ports)			2,685	0	0	0	0	0	0	0
26											
27	Station Apparatus Growth										
28	Analog			434	30	0	33	33	14	14	14
29	Digital			2,685	0	0	0	0	0	0	0
30	VoIP			0	2,938	30	271	271	120	120	120
31	Wireless VoIP			0	0	0	0	0	0	0	0
32	Miscellaneous Equipment			3,119	2,968	30	304	304	134	134	134
33											
34	End User Training for New System			3,119	3,402	30	303	303	133	133	133
35	Automatic Call Distribution License			0	0	0	0	0	0	0	0
36	Voice Mail Licenses			2,685	2,938	30	271	271	120	120	120
37	911 License			3,119	3,402	30	303	303	133	133	133
38											
39	Trunking										
40	PRI			0	0	0	0	6	6	6	6
41	DID Numbers			0	2,938	30	271	271	120	120	120
42											
43	Data Network Growth (From Port Model)			11,122	11,642	12,590		15,139			18,648
44	Network Connections			11,122	520	948	1,275	1,275	1,170	1,170	1,170
45											
46	**One-Time Costs**										
47	Centrex Line										
48	Analog			$104.85	$104.85	$104.85	$104.85	$104.85	$104.85	$104.85	$104.85
49	Multiline			$114.85	$114.85	$114.85	$114.85	$114.85	$114.85	$114.85	$114.85
50											
51	Voice System: Average per Port cost for growth				$310.31	$310.31	$310.31	$310.31	$310.31	$310.31	$310.31
52	Data System: Average per Port cost for growth				$48.13	$48.13	$48.13	$48.13	$48.13	$48.13	$48.13
53											
54	Telephone Equipment										

	A	B	C	D	E	F	G	H	I	J	K
55	Analog			$20.00	$20.00	$20.00	$20.00	$20.00	$20.00	$20.00	$20.00
56	Digital			$209.00	$209.00	$209.00	$209.00	$209.00	$209.00	$209.00	$209.00
57	VoIP			$270.00	$270.00	$270.00	$270.00	$270.00	$270.00	$270.00	$270.00
58	Wireless VoIP			$320.00	$320.00	$320.00	$320.00	$320.00	$320.00	$320.00	$320.00
59	Miscellaneous Equipment			$10.00	$10.00	$10.00	$10.00	$10.00	$10.00	$10.00	$10.00
60											
61	End User Training for New System			$12.00	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00
62											
63	Automatic Call Distribution License			$1,140	$1,140	$1,140	$1,140	$1,140	$1,140	$1,140	$1,140
64	Voice Mail Licenses			$41	$41	$41	$41	$41	$41	$41	$41
65	911 License			$21	$21	$21	$21	$21	$21	$21	$21
66	User License			$70	$70	$70	$70	$70	$70	$70	$70
67											
68	Trunking (installation)										
69	PRI			$500	$500	$500	$500	$500	$500	$500	$500
70	DID Numbers			$0.80	$0.80	$0.80	$0.80	$0.80	$0.80	$0.80	$0.80
71											
72	**Recurring Costs**										
73	System Hardware										
74	Average Monthly System Maintenance per Port after Warranty			$2.00	$2.00	$2.00	$2.00	$2.00	$2.00	$2.00	$2.00
75	Average Monthly Maintenance per Port for Data Network			Details included in Data spreadsheet.							
76											
77	Centrex Line (monthly)										
78	Analog			$9.90	$9.90	$9.90	$9.90	$9.90	$9.90	$9.90	$9.90
79	Multiline			$9.90	$9.90	$9.90	$9.90	$9.90	$9.90	$9.90	$9.90
80											
81	Features (Monthly)										
82	Caller ID Number Display - Admin			$5.00	$5.00	$5.00	$5.00	$5.00	$5.00	$5.00	$5.00
83	Caller ID Name Display - Admin			$2.00	$2.00	$2.00	$2.00	$2.00	$2.00	$2.00	$2.00
84											
85	Telephone Equipment Replacement Allowance (Monthly)										
86	Analog		0.0%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
87	Digital		0.0%	$2.49	$2.49	$2.49	$2.49	$2.49	$2.49	$2.49	$2.49
88	VoIP		0.0%	$4.50	$4.50	$4.50	$4.50	$4.50	$4.50	$4.50	$4.50
89	Wireless VoIP		0.0%	$5.33	$5.33	$5.33	$5.33	$5.33	$5.33	$5.33	$5.33
90	Miscellaneous Equipment			$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
91	Adjunct System Maintenance (Monthly)										
92	Automatic Call Distribution		0.0%	$34.88	$34.88	$34.88	$34.88	$34.88	$34.88	$34.88	$34.88
93	Voice Mail		0.0%	$0.64	$0.64	$0.64	$0.64	$0.64	$0.64	$0.64	$0.64
94	911		0.0%	NA	NA	NA	NA	NA	NA	NA	NA
95											
96	Data Network Edge Maintenance (Monthly)			$5.00	$5.00	$5.00	$5.00	$5.00	$5.00	$5.00	$5.00
97											
98	Trunking (monthly charge)										
99	PRI			$997.48	$997.48	$997.48	$997.48	$997.48	$997.48	$997.48	$997.48
100	DID Numbers			$0.30	$0.30	$0.30	$0.30	$0.30	$0.30	$0.30	$0.30
101	Trunking Escalation		0.0%								
102											
103	FTE Positions										
104	Voice System Engineer		3.0%	$90,000	$92,700	$95,481	$98,345	$101,296	$104,335	$107,465	$110,689
105	Voice Technician		3.0%	$43,000	$44,290	$45,619	$46,987	$48,397	$49,849	$51,344	$52,885
106	802.11 / WAN Engineer		3.0%	$43,000	$44,290	$45,619	$46,987	$48,397	$49,849	$51,344	$52,885
107	Data Network Security Engineer		3.0%	$90,000	$92,700	$95,481	$98,345	$101,296	$104,335	$107,465	$110,689
108											

	A	B	C	D	E	F	G	H	I	J	K
109											
110											
111	**Cost for Initial System**										
112	**Capital Costs**										
113	**Voice Network**	$0									
114	Voice System Base Price	$1,313,636			$656,818	$656,818					
115	End User Telephone Devices - Analog	$0			$0						
116	End User Telephone Devices - Digital	$0			$0						
117	End User Telephone Devices - Wired VoIP	$793,260			$396,630	$396,630					
118	End User Telephone Devices - Wireless VoIP	$0			$0						
119	**Voice Network Adjunct Systems**	$0			$0						
120	Voice Mail w/Unified Communications	$300,000			$150,000	$150,000					
121	E-911 System	$75,000			$37,500	$37,500					
122	ACD/Call Center	$50,000			$25,000	$25,000					
123	Telemanagement System	$95,000			$47,500	$47,500					
124	**Data Network**	$0			$0						
125	Edge - 48-port wo PoE	$0			$0						
126	Edge - 24-port wo PoE	$0			$0						
127	Edge - 8-port wo PoE	$0			$0						
128	Edge - 48-port with PoE	$635,475			$317,738	$317,738					
129	Edge - 24-port with PoE	$94,722			$47,361	$47,361					
130	Edge - 8-port with PoE	$50,887			$25,443	$25,443					
131	Edge - UPS	$75,500			$37,750	$37,750					
132	Edge - Configuration and Installation	$118,560			$59,280	$59,280					
133	Distribution Switches	$37,495			$18,747	$18,747					
134	Redundant Distribution Switches	$37,495			$18,747	$18,747					
135	Distribution - Configuration and Installation	$15,360			$7,680	$7,680					
136	District Core (DO)	$430,368			$215,184	$215,184					
137	Disaster Recovery Core (DVC)	$107,592			$53,796	$53,796					
138	Core - Configuration and Installation	$57,600			$28,800	$28,800					
139	Network Design and Engineering	$83,053			$41,526	$41,526					
140	**802.11 Wireless Data Network**	$0			$0						
141	Material Costs:	$631,700				$315,850	$315,850				
142	Labor Costs:	$130,500				$65,250	$65,250				
143	Wireless Access Point Design Survey Cost:	$38,110			$38,110						
144	Contingency	$80,031				$40,016	$40,016				
145	Engineering / Drawings	$24,009				$24,009					
146	**WAN Network Cost**	$0			$0						
147	WAN Routers and Switches	$193,157			$193,157						
148	**Inside Plant TR and Riser Construction**	$0			$0						
149	TR Construction	$859,500			$2,045,807	$737,608	$170,028	$74,337			
150	Clearing TR Area	$5,000			Included above	Included above	Included above	Included above			
151	TR Environmental	$280,300			Included above	Included above	Included above	Included above			
152	ISP Fiber Rizer Costs	$424,150			Included above	Included above	Included above	Included above			
153	Horizontal Cabling Due to TR Contruction	$1,302,420			Included above	Included above	Included above	Included above			
154	Horizontal Cabling Due to Substandard Data Cable or \	$156,410			Included above	Included above	Included above	Included above			
155	Contingency	$302,778			$204,581	$73,761	$17,003	$7,434			
156	Engineering / Drawings	$181,667			$122,748	$44,256	$10,202	$4,460			
157	Professional Services (Pre-Construction Manager)	$151,389			$102,290	$36,880	$8,501	$3,717			
158	Construction Manager Cost	$151,389			$102,290	$36,880	$8,501	$3,717			
159	Commissioning Cost	$90,833			$61,374	$22,128	$5,101	$2,230			
160	Capital Project Management	$0			$0	$0	$0	$0			
161	**Outside Plant Campus Augmentation**	$0			$0						
162	Outside Plant Mitigation and expansion costs	$84,630			$42,315	$42,315					

Prepared by WTC for CCCCD
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	A	B	C	D	E	F	G	H	I	J	K
163	Contingency	$8,463			$4,232	$4,232					
164	Conduit Engineering / Drawings (Engineering Firm)	$5,078			$2,539	$2,539					
165	Client Media Engineering Services	$4,232			$2,116	$2,116					
166	Implementation Services (Engineering Firm)	$4,232			$2,116	$2,116					
167	Bid Process (Engineering Firm)	$2,539			$1,269	$1,269					
168	District Overhead	$0			$0	$0					
169	**Additional Implementation Costs (Overall)**	$0			$0						
170	Sales Tax	$0			$0						
171	Contingency (Voice and Data Only)	$948,352			$474,176	$474,176					
172	District-Provided Project Management	$284,506			$142,253	$142,253					
173	Implementation Oversight Services	$474,176			$237,088	$237,088					
174	RFP Process	$284,506			$284,506						
175	TSA Process	$284,506			$142,253	$142,253					
176											
177	Refreshment Cost for Voice Hardware/Software		7 years								
178	Refreshment Cost for Voice Adjunct Systems		5 years								$520,000
179	Refreshment Cost for Core Data Equipment		5 years								$314,155
180	Refreshment Cost for Access Data Equipment		5 years								$546,759
181	Refreshment Cost for UPS Equipment & Batteries		4 years							$75,500	
182	Refreshment Cost for 802.11 Wireless System		4 years							$381,100	$381,100
183	Refreshment Cost for WAN equipment		5 years							$193,157	
184											
185	Voice System Maintenance		12.0%		Warranty	$157,636	$157,636	$157,636	$157,636	$157,636	$157,636
186	Recurring Centrex Costs										
187	Analog				NA	NA	NA	NA	NA	NA	NA
188	Multiline				NA	NA	NA	NA	NA	NA	NA
189	Recurring Features										
190	Caller ID Number Display - Admin				Incl in base	Incl in base	Incl in base	Incl in base	Incl in base	Incl in base	Incl in base
191	Caller ID Name Display - Admin				Incl in base	Incl in base	Incl in base	Incl in base	Incl in base	Incl in base	Incl in base
192											
193	Telephone Equipment Maintenance										
194	Analog				Warranty	$0	$0	$0	$0	$0	$0
195	Digital				Warranty	$0	$0	$0	$0	$0	$0
196	VoIP				Warranty	$174,879	$174,879	$174,879	$174,879	$174,879	$174,879
197	Wireless VoIP				Warranty	$0	$0	$0	$0	$0	$0
198	Miscellaneous Equipment				Warranty	$0	$0	$0	$0	$0	$0
199	Data Network Core and Distribution Maintenance		12.0%		Warranty	$75,397	$75,397	$75,397	$75,397	$75,397	$75,397
200	Data Network Access Maintenance		12.0%		Warranty	$93,730	$93,730	$93,730	$93,730	$93,730	$93,730
201	Adjunct System Maintenance				Warranty						
202	Automatic Call Distribution		12.0%		Warranty	$6,000	$6,000	$6,000	$6,000	$6,000	$6,000
203	Voice Mail		12.0%		Warranty	$36,000	$36,000	$36,000	$36,000	$36,000	$36,000
204	911		12.0%		Warranty	$9,000	$9,000	$9,000	$9,000	$9,000	$9,000
205	WAN Annual Operational Costs										
206	Added DS1 WAN Costs				None	None	None	None	None	None	None
207	Reduction of the Existing Voice T1's				($22,743)	($22,743)	($22,743)	($22,743)	($22,743)	($22,743)	($22,743)
208	AT&T Opti-MAN / MPLS Network				$162,947	$162,947	$162,947	$162,947	$162,947	$162,947	$162,947
209											
210	Trunking - PRI (One Time)		13		$6,500						
211	DID Numbers (One Time)		3,868		$3,094						
212	Trunking - PRI (Recurring)		13		$155,607	$155,607	$155,607	$155,607	$155,607	$155,607	$155,607
213	DID Numbers (Recurring)		3,868		$13,925	$13,925	$13,925	$13,925	$13,925	$13,925	$13,925
214	FTE additions										
215	Voice System Engineer		1.00		$92,700	$95,481	$98,345	$101,296	$104,335	$107,465	$110,689
216	Voice Technician		0.00		$0	$0	$0	$0	$0	$0	$0

Contra Costa Telecommunications Strategic Plan
Life Cycle

	A	B	C	D	E	F	G	H	I	J	K
217	802.11 / WAN Engineer		0.00		$0	$0	$0	$0	$0	$0	$0
218	Data Network Security Engineer		1.00		$92,700	$95,481	$98,345	$101,296	$104,335	$107,465	$110,689
219	Total Cost for Initial System			$0	$6,895,451	$5,685,836	$1,699,520	$1,160,865	$1,071,048	$1,727,065	$2,845,770
220	Cumulative Cost for Initial System			$0	$6,895,451	$12,581,287	$14,280,807	$15,441,672	$16,512,720	$18,239,785	$21,085,555
221											
222	**Cost for System Growth**										
223	Voice Network Hardware , Software, and Labor										
224	2008			$0							
225	2009				$0						
226	2010					$9,309					
227	2011						$94,335				
228	2012							$94,335			
229	2013								$41,582		
230	2014									$41,582	
231	2015										$41,582
232											
233	Voice Network Hardware , Software, and Labor - Maintenance										
234	2008			$0	$0	$0	$0	$0	$0	$0	$0
235	2009				$0	$0	$0	$0	$0	$0	$0
236	2010					$720	$720	$720	$720	$720	$720
237	2011						$7,296	$7,296	$7,296	$7,296	$7,296
238	2012							$7,296	$7,296	$7,296	$7,296
239	2013								$3,216	$3,216	$3,216
240	2014									$3,216	$3,216
241	2015										$3,216
242											
243	Analog Telephone Sets										
244	2008			$0							
245	2009				$0						
246	2010					$0					
247	2011						$660				
248	2012							$660			
249	2013								$280		
250	2014									$280	
251	2015										$280
252											
253	Analog Telephone Set Replacement Allowance										
254	2008			$0	$0	$0	$0	$0	$0	$0	$0
255	2009				$0	$0	$0	$0	$0	$0	$0
256	2010					$0	$0	$0	$0	$0	$0
257	2011						$0	$0	$0	$0	$0
258	2012							$0	$0	$0	$0
259	2013								$0	$0	$0
260	2014									$0	$0
261	2015										$0
262											
263	Digital Telephone Sets										
264	2008			$0							
265	2009				$0						
266	2010					$0					
267	2011						$0				
268	2012							$0			
269	2013								$0		
270	2014									$0	

	A	B	C	D	E	F	G	H	I	J	K
271	2015										$0
272											
273	Digital Telephone Set Replacement Allowance										
274	2008			$0	$0	$0	$0	$0	$0	$0	$0
275	2009				$0	$0	$0	$0	$0	$0	$0
276	2010					$0	$0	$0	$0	$0	$0
277	2011						$0	$0	$0	$0	$0
278	2012							$0	$0	$0	$0
279	2013								$0	$0	$0
280	2014									$0	$0
281	2015										$0
282											
283	Wired VoIP Telephone Sets										
284	2008			$0							
285	2009				$0						
286	2010					$8,100					
287	2011						$73,170				
288	2012							$73,170			
289	2013								$32,400		
290	2014									$32,400	
291	2015										$32,400
292											
293	Wired VoIP Telephone Set Replacement Allowance										
294	2008			$0	$0	$0	$0	$0	$0	$0	$0
295	2009				$0	$0	$0	$0	$0	$0	$0
296	2010					$1,620	$1,620	$1,620	$1,620	$1,620	$1,620
297	2011						$14,634	$14,634	$14,634	$14,634	$14,634
298	2012							$14,634	$14,634	$14,634	$14,634
299	2013								$6,480	$6,480	$6,480
300	2014									$6,480	$6,480
301	2015										$6,480
302											
303	Wireless VoIP Telephone Sets										
304	2008			$0							
305	2009				$0						
306	2010					$0					
307	2011						$0				
308	2012							$0			
309	2013								$0		
310	2014									$0	
311	2015										$0
312											
313	Wireless VoIP Telephone Set Replacement Allowance										
314	2008			$0	$0	$0	$0	$0	$0	$0	$0
315	2009				$0	$0	$0	$0	$0	$0	$0
316	2010					$0	$0	$0	$0	$0	$0
317	2011						$0	$0	$0	$0	$0
318	2012							$0	$0	$0	$0
319	2013								$0	$0	$0
320	2014									$0	$0
321	2015										$0
322											
323	Miscellaneous Equipment										
324	2008			$0							

	A	B	C	D	E	F	G	H	I	J	K
325	2009				$0						
326	2010					$300					
327	2011						$3,040				
328	2012							$3,040			
329	2013								$1,340		
330	2014									$1,340	
331	2015										$1,340
332											
333	End User Training										
334	2008			$0							
335	2009				$0						
336	2010					$360					
337	2011						$3,636				
338	2012							$3,636			
339	2013								$1,600		
340	2014									$1,600	
341	2015										$1,600
342											
343	Automatic Call Distribution Licenses										
344	2008			$0							
345	2009				$0						
346	2010					$0					
347	2011						$0				
348	2012							$0			
349	2013								$0		
350	2014									$0	
351	2015										$0
352											
353	Voice Mail Licenses										
354	2008			$0							
355	2009				$0						
356	2010					$1,238					
357	2011						$11,158				
358	2012							$11,158			
359	2013								$4,936		
360	2014									$4,936	
361	2015										$4,936
362											
363	911 Licenses										
364	2008			$0							
365	2009				$0						
366	2010					$630					
367	2011						$6,363				
368	2012							$6,363			
369	2013								$2,800		
370	2014									$2,800	
371	2015										$2,800
372											
373	User Licenses										
374	2008			$0							
375	2009				$0						
376	2010					$0					
377	2011						$0				
378	2012							$21,280			

Prepared by WTC for CCCCD
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	A	B	C	D	E	F	G	H	I	J	K
379	2013								$9,380		
380	2014									$9,380	
381	2015										$9,380
382											
383	Additional Trunking - Installation										
384	2008			$0							
385	2009				$0						
386	2010					$0					
387	2011						$0				
388	2012							$3,000			
389	2013								$3,000		
390	2014									$3,000	
391	2015										$3,000
392											
393	Additional Trunking - Recurring										
394	2008			$0	$0	$0	$0	$0	$0	$0	$0
395	2009				$0	$0	$0	$0	$0	$0	$0
396	2010					$0	$0	$0	$0	$0	$0
397	2011						$0	$0	$0	$0	$0
398	2012							$71,819	$71,819	$71,819	$71,819
399	2013								$71,819	$71,819	$71,819
400	2014									$71,819	$71,819
401	2015										$71,819
402											
403	Voice Switch Upgrades										
404	2008			$0							
405	2009				$0						
406	2010					$0					
407	2011						$65,682				
408	2012							$0			
409	2013								$65,682		
410	2014									$0	
411	2015										$65,682
412											
413	Data Network Access Equipment										
414	2008			$0							
415	2009				$0						
416	2010					$45,628					
417	2011						$61,343				
418	2012							$61,343			
419	2013								$56,298		
420	2014									$56,298	
421	2015										$56,298
422											
423	Data Network Edge Equipment Maintenance										
424	2008			$0	$0	$0	$0	$0	$0	$0	$0
425	2009				$0	$0	$0	$0	$0	$0	$0
426	2010					$4,740	$4,740	$4,740	$4,740	$4,740	$4,740
427	2011						$6,373	$6,373	$6,373	$6,373	$6,373
428	2012							$6,373	$6,373	$6,373	$6,373
429	2013								$5,848	$5,848	$5,848
430	2014									$5,848	$5,848
431	2015										$5,848
432											

	A	B	C	D	E	F	G	H	I	J	K
433	Refreshment of Data Network Edge Equipment										
434	2008			$0							
435	2009				$0						
436	2010					$0					
437	2011						$0				
438	2012							$0			
439	2013								$0		
440	2014									$45,628	
441	2015										$61,343
442	Total Cost for Growth			$0	$0	$72,645	$354,769	$413,489	$442,164	$509,473	$678,233
443	Cumulative Cost for Growth			$0	$0	$72,645	$427,415	$840,903	$1,283,067	$1,792,541	$2,470,773
444											
445											
446	Total Cost for Initial System			$0	$6,895,451	$5,685,836	$1,699,520	$1,160,865	$1,071,048	$1,727,065	$2,845,770
447	Cumulative Cost for Initial System			$0	$6,895,451	$12,581,287	$14,280,807	$15,441,672	$16,512,720	$18,239,785	$21,085,555
448											
449	Total Cost for System Including Growth			$0	$6,895,451	$5,758,481	$2,054,290	$1,574,354	$1,513,211	$2,236,538	$3,524,002
450	Cumulative Cost for System Including Growth			$0	$6,895,451	$12,653,932	$14,708,222	$16,282,576	$17,795,787	$20,032,326	$23,556,328
451											
452											
453											
454											
455				$0	$1,313,448	$1,313,448	$0	$0	$0	$0	$0
456				$0	$872,053	$872,053	$0	$0	$0	$0	$0
457				$0	$38,110	$445,125	$421,116	$0	$0	$0	$0
458				$0	$193,157	$0	$0	$0	$0	$0	$0
459				$0	$2,639,091	$951,514	$219,336	$95,895	$0	$0	$0
460				$0	$54,586	$54,586	$0	$0	$0	$0	$0
461				$0	$1,280,275	$995,769	$0	$0	$0	$0	$0
462				$0	$0	$0	$0	$0	$0	$0	$520,000
463				$0	$0	$0	$0	$0	$0	$75,500	$860,914
464				$0	$0	$0	$0	$0	$0	$381,100	$381,100
465				$0	$0	$0	$0	$0	$0	$193,157	$0
466				$0	$179,126	$553,047	$618,729	$627,866	$765,366	$771,503	$909,003
467				$0	$0	$169,127	$169,127	$169,127	$169,127	$169,127	$169,127
468				$0	$162,947	$162,947	$162,947	$162,947	$162,947	$162,947	$162,947
469				$0	$185,400	$190,962	$196,691	$202,592	$208,669	$214,929	$221,377
470				$0	$0	$22,277	$216,632	$259,842	$150,214	$159,910	$169,606
471				$0	$0	$50,368	$72,456	$78,828	$79,631	$131,108	$152,671
472											
473				$0	$6,918,194	$5,781,224	$2,077,033	$1,597,097	$1,535,954	$2,259,281	$3,546,745
474				$0	$6,918,194	$12,699,418	$14,776,451	$16,373,547	$17,909,502	$20,168,783	$23,715,529

Attachment IX

Timing of Funds Model

Summary pages are included in the written report. The detailed data files are included on the accompanying CD.

Contra Costa
Telecommunications Strategic Plan
Capital / LCOC Summaries

Configuration #10		2008	2009	2010	2011	2012	2013	2014	2015
Cable Plant Treatment		Combined Infrastructure: Common Cable Plant for the Voice and Data Networks Using Converged VoIP							
Wireless Treatment		Wireless Overlay							
Data Network		100/1000 MB POE Data (working@cut)							
Data Network and WAN Survivability Level		More Survivable							
Voice Network		New IP-PBX or Serverbased VoIP System							
Analog Phones		Analog Phone -> Analog Phone							
Multiline Phones		Digital Phone -> 100% VoIP Phones							

	2008	2009	2010	2011	2012	2013	2014	2015
Voice Capital	$0	$1,313,448	$1,313,448	$0	$0	$0	$0	$0
Data Capital	$0	$872,053	$872,053	$0	$0	$0	$0	$0
Wireless Capital	$0	$38,110	$445,125	$421,116	$0	$0	$0	$0
WAN Capital (For More Survivable)	$0	$193,157	$0	$0	$0	$0	$0	$0
ISP Infrastructure	$0	$2,639,091	$951,514	$219,336	$95,895	$0	$0	$0
OSP Infrastructure	$0	$54,586	$54,586	$0	$0	$0	$0	$0
Implementation	$0	$1,280,275	$995,769	$0	$0	$0	$0	$520,000
Voice Refreshment	$0	$0	$0	$0	$0	$0	$0	$520,000
Data Refreshment	$0	$0	$0	$0	$0	$0	$75,500	$860,914
Wireless Refreshment	$0	$0	$0	$0	$0	$0	$381,100	$381,100
WAN Refreshment	$0	$0	$0	$0	$0	$0	$193,157	$0
Voice Operations	$0	$179,126	$553,047	$618,729	$627,866	$765,366	$771,503	$909,003
Data Maintenance	$0	$0	$169,127	$169,127	$169,127	$169,127	$169,127	$169,127
WAN Maintenance	$0	$162,947	$162,947	$162,947	$162,947	$162,947	$162,947	$162,947
FTE Additions	$0	$185,400	$190,962	$196,691	$202,592	$208,669	$214,929	$221,377
Voice Growth	$0	$0	$22,277	$216,632	$259,842	$150,214	$159,910	$169,606
Data Growth	$0	$0	$50,368	$72,456	$78,828	$79,631	$131,108	$152,671
Total	$0	$6,918,194	$5,781,224	$2,077,033	$1,597,097	$1,535,954	$2,259,281	$3,546,745
	$0	$6,918,194	$5,781,224	$2,077,033	$1,597,097	$1,535,954	$2,259,281	$3,546,745
Capital	$0	$6,390,720	$4,632,496	$640,451	$95,895	$0	$0	$0
Refreshment	$0	$0	$0	$0	$0	$0	$649,757	$1,762,014
Maintenance	$0	$342,073	$885,121	$950,803	$959,940	$1,097,440	$1,103,577	$1,241,077
FTE Additions	$0	$185,400	$190,962	$196,691	$202,592	$208,669	$214,929	$221,377
System Growth	$0	$0	$72,645	$289,088	$338,670	$229,845	$291,018	$322,277
	$0	$6,918,194	$5,781,224	$2,077,033	$1,597,097	$1,535,954	$2,259,281	$3,546,745

Contra Costa
Telecommunications Strategic Plan
Capital / LCOC Summaries

Configuration #10		2008	2009	2010	2011	2012	2013	2014	2015

For the charts   1E+06

X

	FY08/09	FY09/10	FY10/11	FY11/12	FY12/13	FY13/14	FY14/15	FY 15/16
Capital	$0.00	$6.39	$4.63	$0.64	$0.10	$0.00	$0.00	$0.00
Refreshment	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.65	$1.76
Maintenance	$0.00	$0.34	$0.89	$0.95	$0.96	$1.10	$1.10	$1.24
FTE Additions	$0.00	$0.19	$0.19	$0.20	$0.20	$0.21	$0.21	$0.22
System Growth	$0.00	$0.00	$0.07	$0.29	$0.34	$0.23	$0.29	$0.32
Total Cost	$0.00	$6.92	$5.78	$2.08	$1.60	$1.54	$2.26	$3.55

	FY08/09	FY09/10	FY10/11	FY11/12	FY12/13	FY13/14	FY14/15	FY 15/16
Voice Capital	$0.00	$1.31	$1.31	$0.00	$0.00	$0.00	$0.00	$0.00
Data Capital	$0.00	$0.87	$0.87	$0.00	$0.00	$0.00	$0.00	$0.00
Wireless Capital	$0.00	$0.04	$0.45	$0.42	$0.00	$0.00	$0.00	$0.00
WAN Capital	$0.00	$0.19	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
ISP Infrastructure	$0.00	$2.64	$0.95	$0.22	$0.10	$0.00	$0.00	$0.00
OSP Infrastructure	$0.00	$0.05	$0.05	$0.00	$0.00	$0.00	$0.00	$0.00
Implementation	$0.00	$1.28	$1.00	$0.00	$0.00	$0.00	$0.00	$0.00
Voice Refreshment	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.52
Data Refreshment	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.08	$0.86
Wireless Refreshment	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.38	$0.38
WAN Refreshment	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.19	$0.00
Voice Operations	$0.00	$0.18	$0.55	$0.62	$0.63	$0.77	$0.77	$0.91
Data Maintenance	$0.00	$0.00	$0.17	$0.17	$0.17	$0.17	$0.17	$0.17
WAN Maintenance	$0.00	$0.16	$0.16	$0.16	$0.16	$0.16	$0.16	$0.16
FTE Additions	$0.00	$0.19	$0.19	$0.20	$0.20	$0.21	$0.21	$0.22
Voice Growth	$0.00	$0.00	$0.02	$0.22	$0.26	$0.15	$0.16	$0.17
Data Growth	$0.00	$0.00	$0.05	$0.07	$0.08	$0.08	$0.13	$0.15
Total Cost	$0.00	$6.92	$5.78	$2.08	$1.60	$1.54	$2.26	$3.55

**7 - Year Timing of Funds - Configuration X
Incuding Capital Costs (Without Financing)**

Millions

$9.00
$8.00
$7.00
$6.00
$5.00
$4.00
$3.00
$2.00
$1.00
$0.00

$0.00 $6.92 $5.78 $2.08 $1.60 $1.54 $2.26 $3.55

FY08/09   FY09/10   FY10/11   FY11/12   FY12/13   FY13/14   FY14/15   FY 15/16

- System Growth
- FTE Additions
- Maintenance
- Refreshment
- Capital

7 - Year Timing of Funds - Configuration X
Incuding Capital Costs (Without Financing)