



Complete and submit this form, along with any supplemental documentation, to the Office of the President by 5:00pm on the seventh day prior to the Board meeting.

Date of Board Meeting: November 19, 2024

Subject: Network Infrastructure Upgrade – Richmond Campus Phase 2

Recommendation: Approve the RockIT proposal to complete Phase 2 of the WCJC network infrastructure upgrade on the Richmond Campus at a cost of \$136,781.09.

Background and Rationale:

WCJC's current and future technology needs require an improved network infrastructure and wireless environment. In an effort to modernize and future-proof our various systems, this Phase 2 proposal seeks to complete the network upgrade on the Richmond Campus as a continuation of Phase 1 that has recently been completed. Phase 2 will consist of:

- Replacement of switches, network cables, network module, power supply, transceiver module, UPS, mounting rail kit, monitoring probe, ethernet cable, network card, cabling material and equipment.
- Installation of Fiber, post rack, and associated hardware.
- Removal of the existing wall cabinet.
- Rermination and labeling of keystones to modular Cat6 keystones.
- Professional services consultation

RockIT has quoted and priced the items needed using TIPS Cooperative Contract #220105. Items purchased under this contract satisfy all State of Texas bid requirements.

Cost and Budgetary Support: \$136,781.09 (Current operating budget)

Strategic Priority Alignment:

<input type="checkbox"/> Student Success	<input type="checkbox"/> Community Impact
<input checked="" type="checkbox"/> Resource Optimization	<input checked="" type="checkbox"/> Institutional Excellence

Resource Person(s): Kettida Vasiknanon; Vice President of Information Technology

Signatures:

Kettida Vasiknanon

Cabinet-Level Supervisor

10/28/2024

Date

President's Approval:

Betty McElwain

President

10/28/24

Date



We have prepared a quote for you

Phase 2 - Richmond Refresh

Quote # 002944
Version 4

Prepared for:

WCJC




Robby Mathews
robbym@wcjc.edu

► CO-OP Info

TIPS - 220105 Technology Solutions Products and Services

We recommend contingency be set aside by WCJC for any oversights on projects this size.

Hardware

Description	Price	Qty	Ext. Price
C9300-48UN-M C9300 48-port of 5Gbps, UPOE, 1100wac PS, w/MERAKI	\$5,958.79	2	\$11,917.58
C9300-48P-M C9300 48-port PoE+, 715wac PS, w/MERAKI	\$4,391.69	10	\$43,916.90
LIC-C9300-48E-3Y Meraki Enterprise License for C9300-M 48-port, 3 year	\$1,556.35	12	\$18,676.20
STACK-T1-3M-M C9000 3M Type 1 Stacking Cable, w/MERAKI	\$261.40	2	\$522.80
STACK-T1-1M-M C9000 1M Type 1 Stacking Cable, w/MERAKI	\$148.00	10	\$1,480.00
CAB-SPWR-150CM-M C9000 Stack Power Cable 150 CM, w/MERAKI	\$162.10	12	\$1,945.20
C9300-NM-8X-M C9300 8 x 10GE Network Module, w/MERAKI	\$1,621.10	4	\$6,484.40
PWR-C1-1100WAC-P-M C9000 1100W AC Platinum Power Supply, w/MERAKI	\$1,432.58	2	\$2,865.16
SFP-10G-LRM-FL FluxLight Brand Cisco compatible (10GBase,LRM,SFP+,1310nm,MMF,300m,Dual-LC,DOM,COM)	\$29.99	8	\$239.92
F92ERLNLNSNMO03 Panduit Fiber Optic Duplex Patch Network Cable - 9.84 ft Fiber Optic Network Cable for Network Device - First End: 2 x LC Network - Male - Second End: 2 x LC Network - Male - Patch Cable - Yellow	\$52.19	8	\$417.52
 UTP28SP7OR Panduit Cat.6 UTP Patch Network Cable - 7 ft Category 6 Network Cable for Network Device - First End: 1 x RJ-45 Network - Male - Second End: 1 x RJ-45 Network - Male - Patch Cable - Gold Plated Contact - 28 AWG - Orange - 1	\$14.80	5	\$74.00
 UTP28SP1BU Panduit Cat.6 UTP Patch Network Cable - 1 ft Category 6 Network Cable for Network Device - First End: 1 x RJ-45 Network - Male - Second End: 1 x RJ-45 Network - Male - Patch Cable - Blue - 1	\$9.44	464	\$4,380.16
			

Hardware

Description	Price	Qty	Ext. Price
5PX3000RTG2 EATON 5PX G2 UPS 3000VA 3000W PERP NETWORK CARD OPTION 2U RACK/TOWER	\$1,821.44	3	\$5,464.32
103007018-5591 Eaton 2 Post Mounting Rail Kit	\$87.55	2	\$175.10
EMPDT1H1C2 ENVIRN MONITORING PROBE GEN2 ACCS	\$231.65	2	\$463.30
NETWORK-M2 GIGABIT NETWORK CARD CTLR	\$327.34	3	\$982.02
UTP28SP7OR Panduit Cat.6 UTP Patch Network Cable - 7 ft Category 6 Network Cable for Network Device - First End: 1 x RJ-45 Network - Male - Second End: 1 x RJ-45 Network - Male - Patch Cable - Gold Plated Contact - 28 AWG - Orange - 1	\$14.80	5	\$74.00

Subtotal: **\$100,078.58**

Cabling

Description	Price	Qty	Ext. Price
MISC-CABLING-MATERIALS-WCJCR-2-0224 Miscellaneous Cabling Materials and Equipment	\$768.23	1	\$768.23
FIBER-INSTALLATION-WCJCR-2-0224 MMF Fiber From: LDF Access Rack To Core, IDF 1 to Core. SMF Fiber From: IDF 2 to Corek/IDF Single Mode Fiber - 12 Strand - Armor	\$8,681.36	1	\$8,681.36
RACK-INSTALLATION-WCJCR-2-0224 Installation of new 4 post rack and associated hardware in the site MDF and removal of the exiting wall cabinet.	\$3,106.66	1	\$3,106.66
CAT6-1P12-P1PL053-0105 1x CAT6 Plenum Unshielded Drop Biscuit Wall - Purple	\$455.50	1	\$455.50
CAT6-RETERM-BLUE-WCJCR-0224 Retermination and labeling of keystones to modular Cat6 keystones - Blue	\$141.90	72	\$10,216.80
CAT6-RETERM-PURPLE-WCJCR-0224 Retermination and labeling of keystones to modular Cat6 keystones - Purple	\$105.33	12	\$1,263.96

Subtotal: **\$24,492.51**

14655 Northwest Freeway
Suite 119
Houston, Texas 77040
www.rockit-consulting.com
650-762-5333



Professional Services

Description	Price	Qty	Ext. Price
Professional Services - IT - Fixed Senior Consultant - Please see Scope of Work.	\$12,210.00	1	\$12,210.00

Subtotal: **\$12,210.00**

► Scope of Work

Scope:

Campus Wide

- Onsite Coverage following cutover.

IDF1

- Reorganize existing 2-post rack.
 - Install new fiber to MDF.
 - Install a single Security Drop that connects to the security system.
 - Rerterminate drops in 24 port patch panels into a modular patch panel.
 - Rack switches directly below patch panels and configure for operation.
 - Replace all switch end patch cables.
 - Install and configure UPSes to support network infrastructure.

IDF2

- Reorganize existing 2-post rack.
 - Install new fiber to MDF.
 - Rerterminate drops in 24 port patch panels into a modular patch panel.
 - Rack switches directly below patch panels and configure for operation.
 - Rerterminate data and security drops to standardize patch panel structure.
 - Replace all switch end patch cables.
 - Install and configure UPS to support network infrastructure.

Assumptions

- WCJC will remove equipment from areas to make them accessible to install in.
- WCJC will install L5-30 receptacles on dedicated circuits.
 - 2 Behind IDF1 Access Rack
 - 1 Behind IDF2 Access Rack
- New cable drops and fiber can be cabled before cutover.
- Access will be provided after hours and during cutover times for installation and cabling.
- Weekend long downtime at the Richmond campus will be acceptable to perform the installation tasks.
- Stranded patch cables run directly IDF1 will not be rerterminated due to physical limitations.

These cables may be plugged into a legacy switch that connects to the renovated switching infrastructure while future considerations of these cables are made.

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Suite 119
Houston, Texas 77040
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650-762-5333



Phase 2 - Richmond Refresh



Prepared by:

RockIT - Houston

Nicky Stavinoha

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Prepared for:

WCJC

911 Boling Hwy

Wharton, TX 77488

Robby Mathews

robbym@wcjc.edu

Quote Information:

Quote #: 002944

Version: 4

Delivery Date: 10/25/2024

Expiration Date: 11/21/2024

Quote Summary

Description	Amount
Hardware	\$100,078.58
Cabling	\$24,492.51
Professional Services	\$12,210.00
Total:	\$136,781.09

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors.

RockIT - Houston

WCJC

Signature:

A handwritten signature in black ink, appearing to read "Nicky Stavinoha", written over a horizontal line.

Name:

Nicky Stavinoha

Title:

Senior Sales / Account Manager

Date:

10/25/2024

Signature:

Name:

Robby Mathews

Date: