



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:** January 16, 2024

**Subject:** Network Infrastructure Upgrade – Phase 2

**Recommendation:** Approve the RockIT proposal to complete Phase 2 of the WCJC network infrastructure upgrade on the Wharton Campus.

**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 proposal seeks to complete the network upgrade on the Wharton Campus through the installation of single mode Fiber for all remaining buildings. Installation of single mode fiber will provide enhanced support for our LEARN telephone and internet services, as well as our fire alarm system. In addition, this phase will allow for the remaining Library switch to be relocated to the Security building.

**Cost and Budgetary Support:** \$156,104.95 (ARP funds); \$5,000 contingency (current budget)

**Strategic Priority Alignment:**       Student Success                       Community Impact  
    Resource Optimization                       Institutional Excellence


**Resource Person(s):** Amanda Allen, Ed.D.; VP of Strategy, Enrollment Management, and Technology


**Signatures:**

  
\_\_\_\_\_  
Cabinet-Level Supervisor

  
\_\_\_\_\_  
Date

**President’s Approval:**

  
\_\_\_\_\_  
President

  
\_\_\_\_\_  
Date



We have prepared a quote for you

**Phase 2 - Single Mode Fiber WCJC Main Campus**

Quote # 002789

Version 2

Prepared for:

**WCJC**

Mathew Robby  
robbym@wcjc.edu


**CO-OP Info**

**TIPS - 220105 Technology Solutions Products and Services**

This project is quoted as a whole project. The buildings can not be broken down individually as quotes to be approved.


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

**Pioneer**

Description	Price	Qty	Ext. Price
MA-SFP-10GB-LR -FL <b>Fluxlight - 10G Base LR Single-Mode - For Data Networking, Optical Network - 1 x 10GBase-LR Network10</b>	\$42.36	2	\$84.72
F92ERLNLNSNMO 01 <b>Panduit Opti-Core Fiber Optic Duplex Patch Network Cable - 3.28 ft Fiber Optic Network Cable for Network Device - First End: 2 x LC Network - Male - Second End: 2 x LC Network - Male - 10 Gbit/s - Patch Cable - 9/125 µm - Yellow - 1</b>	\$45.00	2	\$90.00
 <b>Fiber SM 12 Strand - WCJC - Pioneer</b> Fiber - Includes new 12 strand single mode fiber run from Security to Pioneer with conduit, boring, connectors and panels.	\$14,894.44	1	\$14,894.44


**Subtotal: \$15,069.16**

**Fine Arts**

Description	Price	Qty	Ext. Price
MA-SFP-10GB-LR -FL <b>Fluxlight - 10G Base LR Single-Mode - For Data Networking, Optical Network - 1 x 10GBase-LR Network10</b>	\$42.36	2	\$84.72
F92ERLNLNSNMO 01 <b>Panduit Opti-Core Fiber Optic Duplex Patch Network Cable - 3.28 ft Fiber Optic Network Cable for Network Device - First End: 2 x LC Network - Male - Second End: 2 x LC Network - Male - 10 Gbit/s - Patch Cable - 9/125 µm - Yellow - 1</b>	\$45.00	2	\$90.00
 <b>Fiber SM 12 Strand - WCJC - Hanson</b> Fiber - Includes new 12 strand single mode fiber run from Security to Fine Arts with conduit, boring, connectors and panels.	\$14,876.67	1	\$14,876.67


**Subtotal: \$15,051.39**

Gym

Description	Price	Qty	Ext. Price
MA-SFP-10GB-LR -FL Fluxlight - 10G Base LR Single-Mode - For Data Networking, Optical Network - 1 x 10GBase-LR Network10	\$42.36	2	\$84.72
F92ERLNLNSNMO 01 Panduit Opti-Core Fiber Optic Duplex Patch Network Cable - 3.28 ft Fiber Optic Network Cable for Network Device - First End: 2 x LC Network - Male - Second End: 2 x LC Network - Male - 10 Gbit/s - Patch Cable - 9/125 µm - Yellow - 1 	\$45.00	2	\$90.00
Fiber SM 12 Strand - WCJC - Gym Fiber - Includes new 12 strand single mode fiber run from Security to Gym with conduit, boring, connectors and panels.	\$12,894.44	1	\$12,894.44

Subtotal: \$13,069.16

Frankie


Description	Price	Qty	Ext. Price
MA-SFP-10GB-LR -FL Fluxlight - 10G Base LR Single-Mode - For Data Networking, Optical Network - 1 x 10GBase-LR Network10	\$42.36	2	\$84.72
F92ERLNLNSNMO 01 Panduit Opti-Core Fiber Optic Duplex Patch Network Cable - 3.28 ft Fiber Optic Network Cable for Network Device - First End: 2 x LC Network - Male - Second End: 2 x LC Network - Male - 10 Gbit/s - Patch Cable - 9/125 µm - Yellow - 1 	\$45.00	2	\$90.00
Fiber SM 12 Strand - WCJC - Frankie Fiber - Includes new 12 strand single mode fiber run from Security to Frankie with conduit, boring, connectors and panels.	\$15,894.44	1	\$15,894.44

Subtotal: \$16,069.16

Maintenance


Description	Price	Qty	Ext. Price
MA-SFP-10GB-LR -FL Fluxlight - 10G Base LR Single-Mode - For Data Networking, Optical Network - 1 x 10GBase-LR Network10	\$42.36	2	\$84.72

Maintenance

Description	Price	Qty	Ext. Price
F92ERLNLNSNMO 01 <b>Panduit Opti-Core Fiber Optic Duplex Patch Network Cable - 3.28 ft Fiber Optic Network Cable for Network Device - First End: 2 x LC Network - Male - Second End: 2 x LC Network - Male - 10 Gbit/s - Patch Cable - 9/125 µm - Yellow - 1</b>	\$45.00	2	\$90.00
			
<b>Fiber SM 12 Strand - WCJC - Maintenance</b> Fiber - Includes new 12 strand single mode fiber run from Security to Maintenance with conduit, boring, connectors and panels.	\$18,894.44	1	\$18,894.44


Subtotal: \$19,069.16

Ladue

Description	Price	Qty	Ext. Price
MA-SFP-10GB-LR -FL <b>Fluxlight - 10G Base LR Single-Mode - For Data Networking, Optical Network - 1 x 10GBase-LR Network10</b>	\$42.36	2	\$84.72
F92ERLNLNSNMO 01 <b>Panduit Opti-Core Fiber Optic Duplex Patch Network Cable - 3.28 ft Fiber Optic Network Cable for Network Device - First End: 2 x LC Network - Male - Second End: 2 x LC Network - Male - 10 Gbit/s - Patch Cable - 9/125 µm - Yellow - 1</b>	\$45.00	2	\$90.00
			
<b>Fiber SM 12 Strand - WCJC - Ladue</b> Fiber - Includes new 12 strand single mode fiber run from Security to Ladue with conduit, boring, connectors and panels.	\$21,338.89	1	\$21,338.89

Subtotal: \$21,513.61

Johnson


Description	Price	Qty	Ext. Price
MA-SFP-10GB-LR -FL <b>Fluxlight - 10G Base LR Single-Mode - For Data Networking, Optical Network - 1 x 10GBase-LR Network10</b>	\$42.36	2	\$84.72
F92ERLNLNSNMO 01 <b>Panduit Opti-Core Fiber Optic Duplex Patch Network Cable - 3.28 ft Fiber Optic Network Cable for Network Device - First End: 2 x LC Network - Male - Second End: 2 x LC Network - Male - 10 Gbit/s - Patch Cable - 9/125 µm - Yellow - 1</b>	\$45.00	2	\$90.00
			

Johnson

Description	Price	Qty	Ext. Price
<b>Fiber SM 12 Strand - WCJC - Johnson</b> Fiber - Includes new 12 strand single mode fiber run from Security to Johnson with conduit, boring, connectors and panels.	\$22,227.78	1	\$22,227.78


Subtotal: \$22,402.50

Mullins

Description	Price	Qty	Ext. Price
MA-SFP-10GB-LR -FL Fluxlight - 10G Base LR Single-Mode - For Data Networking, Optical Network - 1 x 10GBase-LR Network10	\$42.36	2	\$84.72
F92ERLNLNSNMO 01 Panduit Opti-Core Fiber Optic Duplex Patch Network Cable - 3.28 ft Fiber Optic Network Cable for Network Device - First End: 2 x LC Network - Male - Second End: 2 x LC Network - Male - 10 Gbit/s - Patch Cable - 9/125 µm - Yellow - 1	\$45.00	2	\$90.00
			
<b>Fiber SM 12 Strand - WCJC - Mullins</b> Fiber - Includes new 12 strand single mode fiber run from Security to Mullins with conduit, boring, connectors and panels.	\$19,338.89	1	\$19,338.89

Subtotal: \$19,513.61

Security

Description	Price	Qty	Ext. Price
MA-SFP-10GB-LR -FL Fluxlight - 10G Base LR Single-Mode - For Data Networking, Optical Network - 1 x 10GBase-LR Network10	\$42.36	20	\$847.20
F92ERLNLNSNMO 02 Panduit Fiber Optic Duplex Patch Network Cable - 6.50 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	\$45.00	20	\$900.00
			

Subtotal: \$1,747.20

Professional Services

Description	Price	Qty	Ext. Price
Professional Services - IT - Fixed Senior Consultant – Network Infrastructure - Cutover of Fiber - Installation of SFPs & Configuration	\$150.00	40	\$6,000.00

## Professional Services

Description	Price	Qty	Ext. Price
Professional Services - IT - Fixed <b>Project-Management-Labor</b>	\$165.00	40	\$6,600.00

**Subtotal: \$12,600.00**

## ▶ Scope of Work

### Cabling Scope

- Install underground pathways for Singlemode Fiber for Pioneer, Gym, Frankie, Mullins, Maintenance, Ladeiu, Fine Arts, and Johnson Buildings as indicated on the Fiber Layout Map Provided by RockIT. (Cafe removed from original scope per WCJC request.)
- Singlemode Fiber run from Security Building to all above listed buildings, terminated and tested.
- Move ISP fiber into cabinet in Security building.
- Terminate all fiber into cabinet in Security building.
- Cabling equipment to include:

Corning fiber termination components  
 Panduit copper termination components

### Networking Scope

- Move remaining library switch to Security Building and add to core stack.
- Connect SFPs/fiber on both ends for all new fiber runs.

### Assumptions

- WCJC will install L5-30 receptacles where necessary.
- WCJC will remove equipment from areas to make them accessible to install in.
- WCJC will assist in identifying legacy ISP/Telco equipment and remove where possible.
- Weekend long downtime at the Richmond campus will be acceptable to perform the installation tasks.
- Access will be provided to the location throughout scheduled times.
- Single mode OS2 run between buildings will use some existing pathways.
- Site must be ready for equipment installation before visit.
- WCJC to provide access to areas for installation.
- WCJC will need to procure the proper permits if any deemed necessary.
- WCJC is to provide accurate maps of underground utilities for boring purposes.
- Additional visits may require a change order.



## Phase 2 - Single Mode Fiber WCJC Main Campus

**Prepared by:**

**RockIT Consulting LLC.**



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**Prepared for:**

**WCJC**

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 Mathew Robby

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**Quote Information:**

**Quote #: 002789**

Version: 2  
 Delivery Date: 12/14/2023  
 Expiration Date: 01/02/2024

### Quote Summary

Description	Amount
Pioneer	\$15,069.16
Fine Arts	\$15,051.39
Gym	\$13,069.16
Frankie	\$16,069.16
Maintenance	\$19,069.16
Ladue	\$21,513.61
Johnson	\$22,402.50
Mullins	\$19,513.61
Security	\$1,747.20
Professional Services	\$12,600.00
<b>Total: \$156,104.95</b>	

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

#### RockIT Consulting LLC.

#### WCJC

Signature:   
 Name: Nicky Stavinoha  
 Title: Senior Sales / Account Manager  
 Date: 12/14/2023

Signature: \_\_\_\_\_  
 Name: Mathew Robby  
 Date: \_\_\_\_\_