

Network Infrastructure Upgrade

Presented By:

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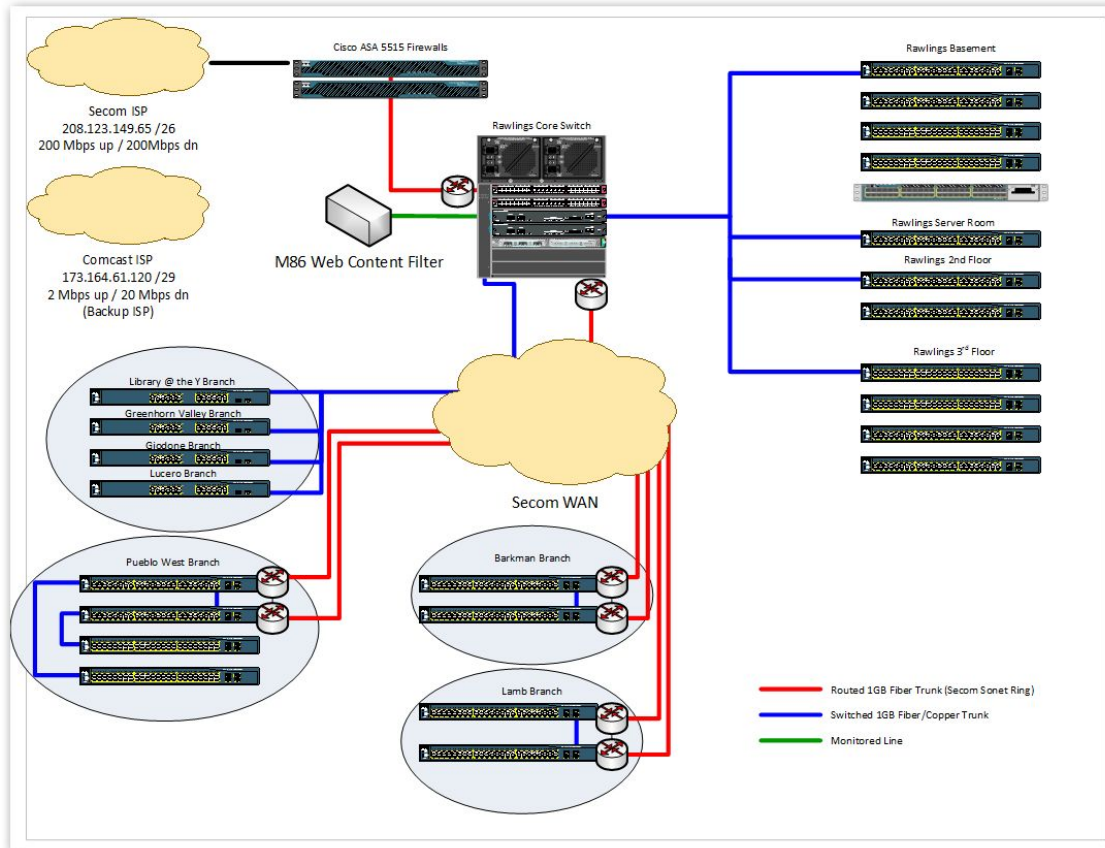
April 27th, 2017

Network Infrastructure Upgrade

- Current Equipment Installed 2008
- Network Assessment Conducted in 2016
- Phased Upgrade 2017 & 2018
- eRate FY 17-18
- Recommended Procurement



Current Network Infrastructure



- Initially Installed 2008
- Limited PoE Availability
 - Phones (2011)
 - Security Cameras
 - Wireless APs
- 1 Gigabit Trunks

Network Assessment

- Conducted by Flair Data Systems in 2016
- Analyzed Current Environment
- Recommended Configurations Changes
- Recommended New Hardware (10 Gigabit Trunks)
 - Cisco WS-C3650-48FD-S
 - Cisco WS-C2960X-48FPD-L

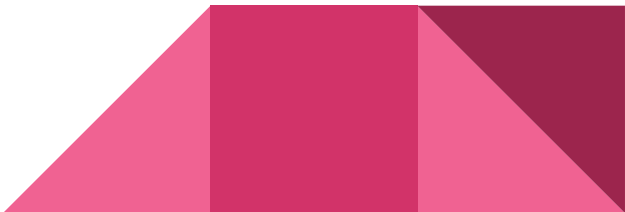


Phased Upgrade

2017 (Budgeted \$50k in Capital Hardware Replacement Plan)

- 10 Switches
- 10 Access Points
- Configuration Changes

2018

- Remaining Switches
 - Remaining Access Points
 - WAN Links
- 

eRate FY 17-18

- Category 2 Equipment
- Based on Library SqFt
- 80% Reimbursement
- Submitted form 470 (bid request)
- No Bidders met Requested Hardware
- Solicited Bids from Colorado State OIT Vendor List



Recommended Procurement

		Vendors				
		CDW-G		WWT		Sirius
QTY	Items	Price per	Extended	Price per	Extended	No Bid
5	WS-C3650-48FD-S	\$5,020.82	\$25,104.10	\$7,021.00	\$35,105.00	
5	WS-C2960X-48FPD-L	\$3,351.83	\$16,759.15	\$4,717.05	\$23,585.25	
1	AIR-AP2802I-xK910	\$7,441.61	\$7,441.61	\$7,640.50	\$7,640.50	
			\$49,304.86		\$66,330.75	

Recommended Procurement

Recommend Procuring Phase 1 Network Upgrade Hardware from CDW-G
Amount not to exceed: \$49,304.86.

eRate Reimbursement:

70% (\$34,513.40) - PCCLD Cost (\$14,791.46)

80% (\$39,443.89) - PCCLD Cost (\$9,860.97)

