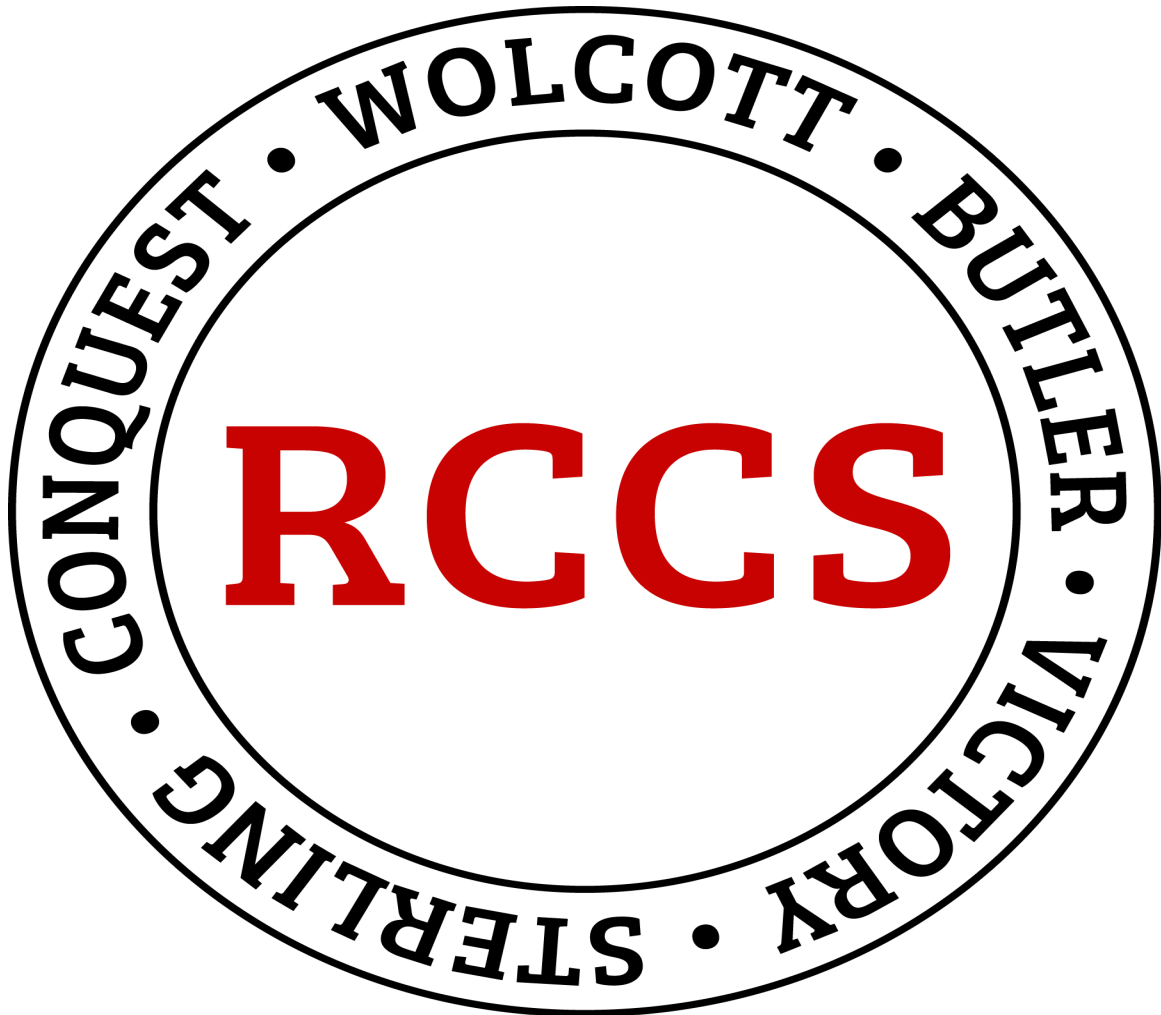


RED CREEK CENTRAL SCHOOL DISTRICT



SMART SCHOOLS INVESTMENT PLAN

In this proposal, the district is looking to upgrade three areas of technology. The 3 areas include 1.) Main closet upgrades, 2.) Bus Radio System, and 3.) Cabling Solutions. These upgrades are need so that the district is staying up to date with the current technology.

Main closet upgrades – Across District

Switches

Number	34
Cost per switch	\$7400
Product	5130HI
Total	\$251,600

Core - Main Switch to District

Number	2
Cost per Core	\$14,000
Product	5940 Core
Total	\$28,000

SAN – File Storage

Number	2
Cost per processors	\$50,000
Product	Unity SAN's
Total	\$100,000

ESX – Virtual Server – Hosts all virtual servers

Number	2
Cost per processor	\$30,000
Product	ESX
Total	\$60,000

Total Cost **\$439,600**

Bus Radio System

QTY	Description	Price	Extended Price
1	SLR 5700 403-470M 1-50W	\$2770.50	\$2770.50
1	406-512 MHz Mobile Duplexer, Tuned	\$391.00	\$391.00
1	UHF DB404 Omni Antenna	\$510.00	\$510.00
1	Pipe to Pipe Clamp	\$58.00	\$58.00
1	Battery to power failure backup	\$225.00	\$225.00
1	Lightning Suppressor	\$77.43	\$77.43
1	Standard Antenna Grounding Kit	\$25.15	\$25.15
1	60' Mast Pipe	\$18.00	\$18.00
2	Duplexer Cables NM/NM	\$49.00	\$98.00
1	Misc connector and jumpers	\$250.00	\$250.00
185	LDF50 Antenna Cable, ½"	\$2.30	\$425.50
30	Reprogram/program all radios	\$15.00	\$450.00
1	Wall Mount Bracket	\$216.73	\$216.73
1	New Repeater Frequencies	\$125.00	\$125.00
1	Install new repeater on water tower Install antenna system and related Equipment listed on this quote. Lead time for FCC is approximately 60 days	\$6250.00	\$6250.00
1	CM200D, 403-470 40W 16CH ND	\$519.97	\$519.97
1	Antenna Mount	\$33.77	\$33.77
1	UHF Antenna	\$121.24	\$121.24
1	10 Amp Power Supply with hood	\$162.60	\$162.60
18	CM200D, 403-470 40 W 16CH ND	\$519.97	\$9359.46
18	Antenna Mount	\$18.74	\$337.32
18	¼ wave UHF Antenna	\$19.48	\$350.64
18	Ignition sense cable	\$17.00	\$306.00
18	Install radio in Red Creek Bus	\$190.00	\$3420.00
		TOTAL	\$27551.31
		Shipping	\$237.00
		GRAND TOTAL	\$27788.31

CABLING SOLUTIONS

Northland Communications is pleased to submit the following proposal for Red Creek Central Schools.

Cat 6 and 6A Brief Scope of Work

- Cable count of 1252 total drops is based on floor plans provided by Erik at Red Creek January 10, 2018.
- All cables will be terminated on new colored patch panels and properly labeled with run numbers based on a master numbering plan in each building
- Northland has included - 19" floor mount 2 post open data racks for MDF
- Horizontal and vertical cable management has also been included to keep wiring neat and organized
- Patch cords (5' & 7') have been included. Final quantities and lengths should be reviewed before final contracts
- Work will be done M-F 6AM till 4:00PM. Overtime has not been included. We request to do as much work as possible during breaks or summer periods to limit interruptions during school hours
- Panduit raceway has been included where needed to provide access on solid walls from drop ceilings to drop areas
- School will need to provide accurate floor plans with the location for each new data jack location including ceiling wireless data access points
- Final color choices for cable, jacks, faceplates and patch cords will need to be decided before project material order (current plan is green)
- PROJECT LABOR IS NY STATE PREVAILING WAGE FOR WAYNE COUNTY

CAT6 Pricing: \$ 411619.00

CAT6A Pricing: \$ 590872.00

Fiber Distribution Scope of Work

This project is to install multi-mode armored OM4 (40 Gig) 24 strand plenum fiber between the IDF's and the MDF in school buildings: The Elementary, Middle School, High School, and District Office. Based on the size of the Red Creek building, Northland had 3 of the closets feeding to IDF 3 as a sub IDF.

IDF 3 to the main MDF is a hybrid 24 strand Single-Mode (12 strands) and Multi-Mode (12 strands) fiber.

All fiber will be terminated on LC connectors per customer request.

Fiber patch cords provided:

Qty. 60 - LC to LC 1 Meter MM OM4 Duplex Patch Cords

Qty. 24 - LC to LC 1 Meter SM Duplex Patch Cords
PROJECT LABOR IS NY STATE PREVAILING WAGE FOR WAYNE COUNTY.

Indoor Fiber Pricing: \$75018.00

TOTAL COST OF THE PROJECT:

- | | |
|--------------------------------|--------------------|
| 1. MAIN CLOSET UPGRADES | \$439600.00 |
| 2. BUS RADIO SYSTEM | \$27788.31 |
| 3. CABLING SOLUTIONS | |
| • CAT6 CABLING | \$590872.00 |
| • INDOOR FIBER LINES | \$75018.00 |

GRAND TOTAL \$1,133,278.31

SMARTBOND INVESTMENT PLAN ALLOCATIONS TO RED CREEK - \$1,170,000.00