

Carroll ISD

Long Range Planning Committee

January 14, 2009

Technology Planning & Preliminary Estimates
Overview



140 third street south, millwater, mn 55082
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Technology Rooms/Spaces and Infrastructure Cabling

- ➔ Additional data cabling to bring each classroom up to the current standards.
- ➔ Update grounding, electrical, HVAC and security in technology rooms.

➔ Estimate \$ 3,104,000

Wide Area Network (WAN)

- ➔ Deployment of CISD owned single mode fiber to all facilities
 - Provide self healing redundant topology
 - Increased bandwidth from 1Gdps to 10Gbps backbone.
 - Core WAN network electronics
 - 5 year maintenance plan

➔ Estimate

\$ 2,289,000

Local Area Network Systems and Support

- ➔ Update district wide LAN electronics
- ➔ Implement wireless system in all CISD facilities
 - 5 year maintenance plan
- ➔ Implement server virtualization solution
- ➔ Expand Storage Area Network – DC/DR sites
- ➔ Expand / Replace Computer Systems
- ➔ Upgrade internet service connections
- ➔ Estimate \$ 6,704,000

Voice Systems

- ➔ Implement new IP telephony solution
 - ➔ Unified voice mail system
 - ➔ Implement district wide Integrated E-9-1-1 to new voice system
 - ➔ 5 year service plan
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- ➔ Estimate \$ 1,050,000

Multimedia and Audio/Visual Systems

- ➔ Complete classroom implementation of interactive board system
- ➔ Update school video broadcast systems
- ➔ Update local sound reinforcement classroom systems
- ➔ Update public address systems to integrate with broadcast systems
- ➔ Implement / Update digital signage for bulletin boards and security alerts

Multimedia and Audio/Visual Systems

- ➔ Implement local 12 channel IP Video Delivery system
- ➔ Implement centralized 24 channel IP Video Content Delivery system
- ➔ Centralized Administrative Management control system for the campus multimedia technology
- ➔ District Boardroom control and broadcast system

- ➔ Estimate \$ 7,010,000

Data Center/Technology Center

- ➔ Newly constructed Data Center, FF&E, and Soft Costs based upon draft program
- ➔ TIA-942 compliant Data Center & Network Operations Center (DC/NOC)
- ➔ Training facilities
- ➔ Technology administration, maintenance, hardware and software support

Data Center/Technology Center

- ➔ Technology shipping, receiving, testing, staging, and deployment
- ➔ Allowance for Remote Disaster Recovery (DR) site infrastructure

➔ Estimate \$ 6,700,000

Total Estimates

➔ Technology Rooms/Spaces and Infrastructure Cabling	\$ 3,104,000
➔ Wide Area Network (WAN)	\$ 2,289,000
➔ Local Area Network Systems and Support	\$ 6,704,000
➔ Voice Systems	\$ 1,050,000
➔ Multimedia and Audio/Visual Systems	\$ 7,010,000
➔ Data Center/Technology Center	\$ 6,700,000
➔ Totals	\$26,857,000

Questions?



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