

\$20,000

How far can we stretch it!!

Proposal based on TVDEC South Schools

As Tri-Valley South Consortium schools have already upgrade to an IP based system and because we have a 100 MB backbone between all of those schools, the LB 1208 funds provide flexibility in the use of the funds for upgrading our distance education network and connected technology.

As members of the Network Nebraska network and the Tri-Valley network, schools have a gateway to great video as well as application services within the state. In order that those services can be realized, we at ESU 10 recommend that you consider spending the appropriated funds with these priorities:

Phase 1. Review your internal network to insure that the video conferencing plus other applications can be supported throughout the district.

Phase 2. Review your equipment needs that support distance education within your school network.

Phase 1 -

- Prior to ordering any equipment supported within LB 1208, it is recommended that each school complete a network review study. This study will provide the district with a blue print of what edge devices are available or should be added to insure a robust internal network. (\$???)
- In order to have a robust connection from your internal network to the Tri-Valley network each school will need a router or switch upgrade. Based on state wide meetings, the consensus is that a layer 3 switch (**\$3,000**) with an internal ASA box (**\$3,000**) for firewall support be installed. **\$6,000 estimate**
- Additional 100 MB managed switches may be needed throughout the network.

Phase 2 - With the balance from the \$20,000 funds, schools could look to upgrade their distance learning technology in the following ways:

- As each TVDEC south school will receive a LifeSize codec, each school will need to contribute additional funds to support the following:
 - Video Projection will need to be added for each codec. Note - schools may already have such devices in inventory.
 - *42" LG LCD Monitor with 3 year warranty - \$2,014
 - 40" View Sonic - \$1,461
 - 46" Sharp LC - \$2,594
 - 4000 Lumen Eiki Projector - \$1,597
 - 3000 Lumen Sanyo - \$1,198
 - 3000 Lumen Optoma - \$1,059
 - Cart for Codec and Projection Unit
 - *Mobil Video station - \$1,348
 - Other carts are being reviewed.
 - Upgrade Team point to point unit to a Room Size multi point unit - **\$3,600**
 - Add another CODEC - Lifesize Team unit - \$7,200 to \$10,800
 - Document camera for presentation center - \$1,000
 - Computer for presentation center - \$1,200

- Upgrades to your existing distance learning room
 - If you currently have a tv setup, a projection system would provide improved video.
 - 4000 Lumen Eiki Projector - \$1,597
 - 3000 Lumen Sanyo - \$1,198
 - 3000 Lumen Optoma - \$1,059
 - Ceiling mount and VGA cable - \$250
 - DFS software upgrade and installation - \$1,000
 - Electronic whiteboard for the instructor - \$1,000
 - Laptop computer for the instructor - \$1,200
 - 20" LCD monitor for teacher station - \$300
- Break out your existing classroom into two portable cart systems
 - Cart \$250
 - 20" LCD monitor - \$300
 - Upgrade software on secondary monitor - \$1,100
 - DFS installation cost \$600

*10% discount for bulk purchases