

GLENBROOK HIGH SCHOOLS
Regular Meeting – Monday April 26, 2010
District Business Office

TO: Dr. Mike Riggle
 Hillarie Siena

FROM: Kimberly Ptak

DATE: April 26, 2010

RE: DISCUSSION/ACTION: 3801 W. Lake Ave Voice Over IP

Recommendation

It is recommended that the Board of Education approve installing Voice over IP at the new district office building, 3801 W. Lake Avenue at a cost savings of \$1,495 when compared with installing a traditional digital system.

Background

Marcus and I met with our telecom vendor and reviewed costs of installing a traditional digital telephone system at the new district office building at 3801 W. Lake Ave vs. installing Voice over IP. In addition to the many benefits and efficiencies with a Voice over IP system, there is also a slight cost savings of \$1,495. Our current voicemail system will remain.

	<u>Digital Phone System</u>	<u>Voice Over IP</u>	<u>(under)/over</u>
<u>3801 W. Lake Ave - Digital vs. Voice Over IP Price Comparison</u>			
Digital Equipment - located at 3801	-	-	-
Nitel Peripheral Cabinet	\$5,490		
Mitel Digital Cards (2)	\$3,500		
Hard Wire Phone Jacks to Cabinet	\$6,000		
Move Programming Charges	\$3,000		
<u>Voice Over IP Equipment - located at GBS</u>			
3300 Controller (1) - located at GBS supports 3801 and GBS		\$3,120	
Module to connect to current SX-2000		\$1,500	
3300 Gateway S/W package (34 devices)		\$625	
IP Phone License (30)		\$3,750	
3300 Digital Link License		\$1,500	
IP Phones (30) *		\$6,000	
	\$17,990	\$16,495	-\$1,495

Benefits to a Voice over IP system

- IP phones can be plugged into any data jack within the district and a user's phone extension will be activated.
- "Hot desking" – Users can use any IP phone in the district, log-in, and have their phone extension activated.
- A user can have an IP phone at home and activate their phone extension through the internet.
- "Soft phones" – users can run their phone extension off of their computer with headset.
- As users move locations, programming through our telecom carrier is avoided as the user can just move phone to new phone jack and extension will transfer.
- There is no cost for calls between campuses – currently we pay \$.01 per minute.

Future Discussions

At a future meeting, we will discuss adding Voice over IP capabilities to GBN, GBS and the new Off Campus building. Preliminary cost estimates are as follows:

GBS -	\$5,870 (cost for GBS is less than GBN as equipment for 3801 will reside at GBS, so part of the cost is included in the 3801 numbers above.)
GBN -	\$8,990
Off Campus	\$3,120

IP phones cost on average \$270 per phone, which is comparable to the cost of a digital phone. There is also a one-time licensing fee of \$125 per phone.

Potential Cost Avoidance in Using Voice over IP technology

Move/Add/Change Programming Cost Elimination	\$15,000
Reduced Maintenance Cost w/Newer Technology	\$7,000
Elimination of Local Charges for Inter-campus Calls	\$7,000
Reduction in T-1 lines	<u>\$10,000</u> + (reviewing)
	\$39,000 +