**Bond Technology Oversight Committee**
**September 11, 2013**

Attending:  Dale Adams, Donna Sharp, Brad Morrison, George Monroy, Jeff Jaime, Thom Dunaway, Richard Elkins.

Staff: Steve Stewart, Julie Turner, Teri Nail, David Boggan.

Professional Representative: Brian Combs

I.      Greeting & Opening Remarks

II.     Introductions of Committee Members, Staff, Guests

III.    Task of Committee

IV.     Overview of Technology in Boerne ISD

a.  Mr. Stewart presented the overview of current district technology capability.

V.      Projects:  Mr. Stewart presented the following updates:

a.  1350 desktops purchased and installed in classrooms and computer labs across the district, beginning in July 2013.  Approximately 95 percent complete on this phase of the project.  Additional new printers, projectors and software being deployed.
b.  Working on upgrade of Wi-Fi capacity:  access points on campuses and core capability.  Current focus is on high schools, then middle schools, where Wi-Fi usage is greatest.  As of last week, 150 new access points installed.
c.  Started pushing out 10GB switches (infrastructure).  Will very shortly see gigabit access points on the market.  These servers give us added capacity going forward.

VI.     Projects Planned:  Mr. Stewart presented the following updates:
a.  Mobile devices: demand for devices is still being defined.  Want to be certain to purchase best possible hardware with the allotted dollars.  Targeted student/device ratios:  5/1 elementary, 3/1 secondary.  Bring Your Own Device (BYOD) will help with those ratios.
b.  Additional mobile devices coming later this fall.

c. Connected Consulting:  Ms. Turner explained the program to the committee. Also explained that BYOD works well in the district currently.  Teachers – especially teachers in the CC program – are encouraging BYOD in their classes.

VII.   Audio/Video Upgrades
   a. Mr. Combs detailed plans for upgrading hardwiring on campuses.  Wireless is great, but must have reliable hardwired network for greatest, most robust performance.
   b. A/V upgrades: projectors/smartboards being integrated more and more into curriculum, K-12.  Control systems also an essential component of a classroom A/V array.  Wireless microphones and installed classroom speakers also being explored.  Meetings have been held with teachers to discuss integration of smartboards or "smart products" … Notebook software is popular among teachers for classroom uses.
   c. Price point for these systems has come down drastically over past several years.  Once the realm of higher education, now it is rare that ISDs don't at least examine these systems as they are dedicating dollars to technology upgrade.

VIII.   Closing Comments & Questions

   a. E-rate:  federal program that subsidizes technology for certain districts.  BISD does get "priority 1" e-rate benefit, to the tune of about 54 percent.  However, none of this relates to any of the bond projects, according to Mr. Stewart.
   b. Discussion about cloud-based server capacity.  Ms. Turner reported on the district-wide use of Google Drive.
   c. Discussion about the value of 10GB.  Mr. Jaime encouraged district to ensure that 10GB is necessary.  Mr. Morrison believes 10GB is forward looking for the district.  Mr. Combs views cable, etc. as bricks/mortar in new build situation.  When 10GB fiber essentially costs the same as 1 GB, why not install 10GB?  The time will come, perhaps ten years down the road, when the conversation will be about installing 40GB capacity.
   d. Budget review: $2.4 million spent to date.  Upgrades forthcoming during the current school year: additional mobile devices, more infrastructure expenditures, software purchases.  Mr. Combs' company will be working with architects on cabling, etc.  And at the end of this bond, in the old Fabra, data center will need to move from current administration building.

   e. Next meeting: December 11, 2013, at a school location to be determined.


The meeting concluded at 7:00 p.m.