

227 N. Fourth Street
 Geneva, Illinois 60134
 630/463-3070
 630/463-3079 (fax)



Elizabeth Janowiak
 Director of Technology
 Geneva School District

To: Donna Oberg
 From: Elizabeth Janowiak
 Date: June 17, 2013
 Re: Wireless Access Additions

Please submit this purchase information to the BOE for the June 24, 2013 meeting.

During the past school year the technology department replaced all of the existing older technology access points with new AeroHive Wi-Fi devices. This project was a one-for-one replacement with the new access points placed in the same location as the previous one. Access points were also placed in the rooms of ESTART teachers to try and accommodate the wireless devices of their choice. While it has improved overall building wireless coverage, it does not address the trends the district projects for increased wireless demand.

Some of the trends the district and IT leaders everywhere see are: Proliferation of Mobile Devices, Multiple Devices per User, Always-On Connectivity, Wi-Fi as a primary Network Access Method, Bring Your Own Device or One-to-One Computing, and Cellular Network Offload. For these reasons, the district needs to move toward a High Density Wi-Fi design. Access points need to be moved from common areas and into the classrooms and conference rooms to accommodate a large number of mobile devices. The process of creating a district wide High Density Wi-Fi environment will occur over multiple school years. This year we are increasing the number of wireless access points by 25% at all district school facilities only.

With your approval, the items below will be purchased through Opt2mized Networks, Inc an Aerohive partner and authorized vendor.

Equipment	Qty	Total Amount
Wireless Access Point Aerohive 300 series, indoor plenum rated, 2 radio 3x3:3 802.11a/b/g/n, 2 10/100/1000, USB, FCC regulatory domain, without power supply	61	34,766.95
Support and Maintenance 3 years 8x5 phone, software & email support, Hardware Advanced Replacement, covers AP and HiveManager software	61	4,575.00
Licensing AP license for HiveManager for each Aerohive AP	61	4,880.00
Total		\$44,221.95