



Status Update for MHS Measure Q Technology Projects: Infrastructure Equipment and Installation

Overall status: **Complete**

Overview

Replace aging, mismatched switching devices with modern, contiguous switching devices that will support future projects.

Reference "[Measure Q Technology Expenditures 2011-2012](#)" document under General Information for further details.

Schedule item	Contact	Today's Date	Estimated Completion Date	Actual Completion Date	Comments
Design	tcurry@nohum.k12.ca.us	5/1/11	6/1/11	6/1/11	Complete
Bids	tcurry@nohum.k12.ca.us	6/11/11	7/11/11	7/11/11	Complete
Construction	tcurry@nohum.k12.ca.us	7/14/11	8/19/11	9/28/11	Complete

Technical Details

The existing infrastructure equipment was a mixture of Cisco and HP switches purchased between 2000 and 2008. The fiber backbone ran through a mixture of Cisco, HP, and Transition Transceivers purchased between 1996 and 2008. The backbone speed was either 100Mb (100Base-T) or 1Gb (1000Base-T). Devices (computers, printers, etc.) connected to the network at 100Mb; there was no provision for Power Over Ethernet (POE). All data traffic was untagged, and no VLANs were utilized.

The new infrastructure equipment is purely HP; Model E8206 at the MDF, and a mixture of E5406 and E2910 POE switches at the 12 different IDFs. The backbone speed is now 10Gb (10000Base-T), and devices connect to the network at 1Gb. Power Over Ethernet will support future projects involving safety camera systems, phone systems, and wireless access points. As part of the installation two VLANs were configured; one for data, and one for switch monitoring and management.

Construction Timeline

The Construction Timeline was extended by approximately 4 weeks due to delays in receiving equipment. While the equipment did get configured and was available by 8/19/11, it was determined that it should undergo a 3 week burn-in period prior to final installation. Installation was completed on 9/17/11 and 9/18/11; management and monitoring training took place on 9/21/11; and the vendor's Project Acceptance document was signed on 9/28/11.