**Illinois State**

**University**

**Board of**

**Trustees**

**Resolution No. 2015.02/04**

**University High School**

**VoIP Installation**

**Resolution**

Whereas, University High School is a facility owned and operated by Illinois State University, and

Whereas, the current Ericsson telephone system at University High School is obsolete and does not provide important safety and security features, and

Whereas, the University is implementing a plan to install Voice over Internet Protocol (VoIP) phones and infrastructure in all of its buildings;

Therefore, be it resolved that the Board of Trustees authorizes a capital project for installing a complete VoIP system in University High School, including establishment of budgets, development of required design and construction documents, awarding of public bids and undertaking of construction.

Therefore, be it further resolved that the Board of Trustees authorizes expenditures not to exceed $750,000 for this project.

Board Action on: Postpone:

Motion by: Amend:

Second by: Disapprove:

Vote: Yeas: Nays: Approve:

ATTEST: Board Action, February 20, 2015

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**Board of Trustees**

**Illinois State University**

**Supplemental Information for University High School –VoIP Installation**

University High School opened in 1967 with a standard telephone system, typical for the time period. The original 1967 telephone system was upgraded and replaced in 1990 with an Ericsson telephone system as part of a University-wide upgrade effort. However, this 24-year old Ericsson system is now obsolete and lacks certain campus safety and security features. Further, Ericsson has discontinued service, support and parts for this phone system. Existing Ericsson phones at the University are being kept operational by using phones and system parts from other decommissioned Ericsson systems.

Voice over Internet Protocol (VoIP) is a type of technology that allows users to make calls using the Internet rather than the conventional phone system. VoIP converts sound into digital voice communication and then transfers it through the Internet to make phone calls. VoIP phone systems have several benefits over the old Ericsson phone system including lower operational expenses. Additionally, VoIP provides access to important enhanced security features such as fire alarm system interface and security broadcast messaging for campus wide alerts.

To change from a conventional phone system to a VoIP system requires different infrastructure and phone equipment because they are not compatible with each other. For example, the distribution and exchange infrastructure for the Ericsson phone system uses copper wire while the VOIP phone system uses fiber optics. VoIP systems also require an internet connection.

During the past few years, the University has been replacing the conventional Ericsson phones and infrastructure with the new VoIP Phone System, in accordance with recommendation #55 in *Master Plan 2010-2030: Looking to the Future* endorsed by the Board of Trustees in February 2011. This recommendation has largely been completed with the exception of a few remote outlying buildings and the University Laboratory Schools. This project is a complete conversion/replacement project for the University High School facility. Once the VoIP system is operational, the old Ericsson telephone system will be decommissioned and salvaged for parts until all of the Ericsson telephone systems on campus have been replaced.

# **Resource Requirements**

Construction $675,000

Contingency 75,000

Total Project Cost $750,000

Source of Funding: General Revenue Operating