



## **ENGINEERING SUMMARY AND OVERVIEW**

The AV systems upgrade for the auditorium is basically broken down into 2 parts being the production system and the auditorium AV system. The production system estimated budget is around \$160,000 and the auditorium AV system is around \$80,000. Below is a brief summary for each part while a technical paper with more detail follows this summary and overview. It is also recommended that both parts be done at the same time as to leverage better pricing and to provide a seamless changeover. It is in my opinion that these parts will have to be done in 2-3 years anyway or your systems will not be compliant with today's technology.

The production system basically needs to be thought of, as like a computer system and is in desperate need of an upgrade, as the system has been losing functionality and will continue to lose that functionality until no longer operational. Continuing repair costs are not recommended, as obsolete parts and no longer supported software would make it impossible to repair and maintain. Also, replacement would increase work efficiency with city department employees.

The auditorium AV system was the driving force of the system evaluation. Even without knowing the problems reported I could derive many "trouble spots" with the system. The project to fix the auditorium system would entail putting in new equipment as well as using some existing wherever possible. The major problems that would be addressed would be the inconsistent audio issues, the ease of system use, better video resolution for the in-house system as well as the cable audience and video format correction to 16x9 from 4x3 which helps image quality sent over the cable system.