	Technology Board Report **June 2018**

Technology /TechCo

During the last month we have been planning summer projects and ordering equipment. With shipments showing up daily we have been trying to stay ahead of the curve to get summer projects started because once July is here it seems as though time is running out to get things ready.

Many of the Mechatronics computers and upgrades have arrived and are being installed and configured this week.

The new busing contract required cameras to be installed on the buses. So we worked with RA Transportation to assist them in getting the best complete solution that would satisfy the contract and best suit our needs. In the end we have agreed to host the web server keeping the video in house keeping their costs down and leaving us in control of the server and accessibility. This is one of the technology projects that will be few days work but a bunch of fun. The plan is to install a wireless bridge from RA to Iron Mountains East Elementary where we already have an old wireless bridge installed for Mountaineer Stadium. So the new 120 degree antenna at East will be the hub bridging connections from RA, IM pressbox and their fieldhouse. This is called a "Point to Multipoint" (PtMP) connection. The data from RA will be segregated from all other traffic from RA to the new server. This server will only host data we request. This solution is not a real time view of the bus cameras while it is on its route. Instead, we can request the video via the server of what we want to view and once the bus is parked at RA or WIC (3 buses) and shut off the onboard system will check in with our server and send the data that is requested.