

Information Services Department

2018 Annual Report

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Hardware Upgrades

Network Switches Replaced

Cisco Catalyst 9300 Ethernet switches were purchased for all of the City's network locations. The old switches had been in service for 5 or 6 years. It is important to maintain a highly reliable City network and a key component of this infrastructure is the switch hardware.



Single mode Fiber Upgrade

Thanks to the FairlawnGig, Single mode fiber optic cable has been run to all City's buildings. This fiber optic cable is now supporting the City's network having replaced multimode fiber that had been in use for over seventeen years.



Servers Leveraging Fiber

The City's on premise servers are now using Single mode fiber to connect to the network backbone. One fiber optic cable has replaced the need for four copper Ethernet patch cords. This move to fiber connectivity has increased data transmissions from 4 Gigabytes to 10 Gigabytes.



Cellular Mobile Solution

Cradlepoint COR IBR1100 wireless routers have been installed in each Police patrol car. These compact and ruggedized routers provide a high speed cellular data connection, utilizing the Verizon Wireless service, across a secure hardware VPN. This has produced a highly reliable wireless network connection for each car which is needed to support the mobile law enforcement software.



Service Department Copier

A Canon copier has been leased for the Service Department, thus replacing an older machine at the end of its lease. Lake Business Products is providing the machine which will feature additional paper capacity, more color copiers and faster processing. It's a Canon imagerunner advance c5500 ii series copier.



Outdoor Phone Replaced

The phone used at the Tower Entrance for gate entry is being replaced. A Viking Electronics E-30-EWP Hands-free Speaker phone with enhanced weather protection was acquired. It will provide a clearer audio connection which will benefit both the called and calling parties.



Software Changes

Redesigning City's Website

A much anticipated new look for the City's website (www.fairlawn.us) is well underway with an expected unveiling in the first quarter of 2019. The new website will be mobile device friendly and easier to navigate. It will employ the latest website technology and a new backend content management system that will give each department enhanced tools to make updates.



Upgrade Network Licensing

Existing Microsoft Windows Server networking is being upgraded from the 2012 level to 2016. To facilitate this, the City's Fairlawn domain software will be upgraded in stages as servers are decommissioned and replaced with new systems.



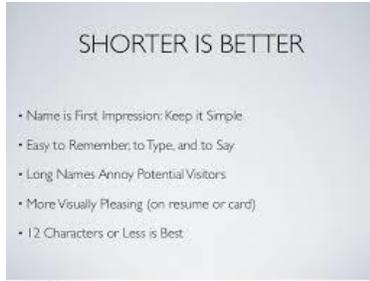
Adobe Photoshop

A subscription for the Photoshop editing tool has been acquired to facilitate changes to the new Fairlawn website. The new website provides more opportunities for changes and updates, so this software was needed.



New Domain Name

A shorter domain name was acquired which is used with the City's website and email addresses. The original domain was ci.fairlawn.oh.us and has changed to fairlawn.us



Project

Office 365

The City's email system is no longer on premise. It has moved to the cloud in the form of a Microsoft subscription service that allows users to work anywhere as long as there's an internet connection. It includes an interface between our local network consisting of computers running Microsoft Outlook and the Office 365 cloud services. Gone are the days of maintaining a local Exchange Server.

