Agenda

- Department Overview
- Project Updates:
  - Sunncrest
  - West Campus
  - County
- Capital Requests
- Operating Requests
Overview

- (84) Network Switches
- (180) WIFI Access Points
- (7) Firewalls
- (230) Security Cameras
- (335) Phones
- (1) SAN
- (3) VMWare Hosts
- (2) Hyper-V Hosts
- (4) Wireless Controllers
- (30+) "Devices" – Alarms, HVAC, Lights and growing with IoT trend

- (15) Locations supported
- (3) Data centers
  - Courthouse – 5th Floor
  - Azure – Virtual Datacenter
  - Sunnycrest – 1st Floor
- (Lots) Servers Physical & Virtual
- (320+) Computers
- (50+) Applications
- (4) Audio Video Rooms
- (3) Digital Signage
- (Lots) Printers & Scanners
County Locations

- INET was extended to 2023
  - With option to extend more
- Not much progress on dig once initiatives or partners
- Microwave Network Options
  - Starting with Sunnycrest
  - Will evaluate after and look at other possible targets
- Conduit at SCM tower installed
Project Updates: Sunnycrest

- **EMR: Electronic Medical Records**
  - Continue designing and deploying equipment to further leverage PointClickCare
  - Medical Carts, laptops and iPads deployed with more coming
  - eMar Medication Scanning by nursing staff directly into PCC
  - United Clinical Labs - Lab results electronically imported directly into PCC

- **Payroll Import:**
  - Time keeping system into Tyler payroll is electronic process now with no human editing or hand keying of data

- **Microwave Network:**
  - Replace leased fiber with wireless system - In progress, aiming for March cutover

- **Door Access:**
  - Deploy significant amount of door access technology throughout the facility - In progress, in design phase

- **Remodel East/West Wings:**
  - Working with FEH and stakeholders for remodel project
West Campus: Technology

- Wireless Network
- Wired Network
- Security Cameras
- Audio Video
- Door Access
- Digital Signage
- PA System
Project Updates: County

- ClearPass - Wireless - Network Access Control
- Azure Redesign - Migrated all servers, upgraded VPN, ACLs setup, future proofing
- VPN client upgraded and further security layers added
- Blocked entire world except for USA at the firewall
- Courthouse Cameras** (next slide)
- Phone System Upgraded
- Election Equipment full replacement
- Electronic Payroll
  - Continue working with Auditor and HR to push more electronic entry for payroll
  - Sunnycrest import is now digital
  - Sheriff has migrated some of his departments to electronic entry.
    - Only two departments remain for the County
- Roads and IT will be researching electronic time tracking solutions for roads in 2020
Project Updates: County

“...I am extremely pleased with the end result of the Courthouse Security Camera project. These cameras are utilized daily to effectively monitor the large number of individuals that enter and have business within the Courthouse. The project has allowed Courthouse Security to respond to numerous incidents as a result of seeing it on camera before it escalated further. The cameras have also helped resolve multiple conflicts and thefts within and around the Courthouse as a result of being able to directly access the camera footage as to what truly happened. From initial project discussion, installation, equipment training, and any questions since, the IT Department has always made themselves readily available and the entire project has been done very professionally.”

The installation also brought us further into compliance with Section B (13) of the Guidelines for Courthouse and Public Building Security in Iowa as Jointly approved by the Iowa State Association of Counties and the Iowa Judicial Council (2015).

Security cameras: These should be installed in key locations in a courthouse and possibly other public buildings and monitored by trained security officers.

-Deputy Shane Bockenstedt
Capital Projects Updates: County

**Courtrooms AV Upgrade**
- Electric & Floor Boxes almost complete
- AV Design finished
- Bid to go out soon

**Website**
- Excellent responses & participation from departments
- Enthusiasm is high with stakeholders
- Sheriff joined project
- April 1st 2020 is go live

**Fiber DLEC**
- Not started
- With the new Technical Operation Superintendent hired will reach out to collaborate with him soon to get his input

**Agenda**
- Being used to generate BOS Agenda
- Adjustments being made to optimize workflows
- Additional boards will be identified & converted throughout 2020 and 2021

**Network State**
- Not started
- Waiting until Magistrate Courtroom direction is decided
Project Request: Firewalls

Amount: $19,500.00

Firewalls Replacement

- In 2015 to connect locations to the County network that did not have other options available, firewalls were purchased to setup IPSEC VPN connections back to the Courthouse.
- These will go end of life in 2020 and need to be replaced with current models.

Priority: High
Request 1/10
Project Request: GPS System

Amount: $225,000.00

- Asset Location & Vehicle Performance Metrics tracking system
  - Doing a pilot currently with roads department
  - System will track assets location & gather health & other metrics unique to that vehicle
  - Security cameras supporting pictures and video will be included
  - Pilot is scheduled to run one year however can be ended early or expanded
  - System does not need to be restricted to Secondary Roads and could be deployed on any County vehicle from any department
  - If pilot goes well, Roads and IT will brief the board & propose next steps
  - If pilot does not go well, IT and secondary roads will regroup for other paths

Budget is based on assumptions: Fifty Vehicles, maximum number of sensors and all vehicles have cameras.

Priority: High

Request 2/10
Project Request: Law Library AV

Amount: $22,500.00

- Configure AV for Courthouse Law Library
  - Law library currently has no AV technology
  - Room is used for numerous County Attorney functions that would benefit from AV
  - Remote testimony is becoming common and is difficult to mobilize AV and manage it
  - Would make the room more functional overall
  - Would be similar design and technology used at West Campus which has worked well

Priority: High
Request 3/10
Project Request: Swiss Valley Campground River Conduit

Amount: $15,000.00

- There is a need to get the County network to the maintenance area at the south end of the property
  - County network is available at the north end shower house
  - IT and Conservation can work together to bury network cabling for much of the property length
  - We can not get through the river
    - Bring a contractor in to burrow conduit under the river and install hand holds on either side
  - Remaining funds would buy fiber to be installed later by County staff

Priority: High
Request 4/10
Project Request: Swiss Valley Campground River Conduit

Amount: $15,000.00

County Network Target

Priority: High
Request 4/10
Project Request: Durango Shop

Amount: $41,000.00

- Durango Shop currently has no technology
- Add security cameras to exterior and interior
- Add WiFi and a few wired network drops
  - Beneficial to GPS Pilot
- Add door access for people and vehicles
  - All exterior people and vehicle garage doors
  - Minimal interior doors
  - Same door access as West Campus so access rights for people and vehicles will be controlled globally

Priority: High
Request 5/10
Project Request: Security Cameras
Elections Annex

Amount: $5,250.00

- Install cameras at Elections Annex
- Install cameras for exterior and interior coverage
- Will work with stakeholders to protect privacy
- Camera coverage will help with election security and high dollar equipment protection
- Cameras can be relocated if/when County leaves this location
- If approved, would like to do it at amendment and not wait till fiscal so can be in place sooner

Priority: Medium
Request 6/10
Project Request: Security Cameras Elections Annex

Amount: $5,250.00

- In my opinion a necessity if cost allows due to the extreme sensitivity of the information, heightened scrutiny of elections, and assurance that any results are not compromised. Courthouse Security (at Elections staff request) has annually provided a Security Officer to assist Elections personal with transportation of ballots from the Annex to the Courthouse due to obvious potential security risks and to ensure the integrity of the election and its results. As always, any cameras provide a safety and liability net for the County should anything ever happen, or its elections processes ever be questioned.

- Any cameras on County Buildings assist in complying with the Guidelines for Courthouse and Public Building Security in Iowa as mentioned above.

- Deputy Shane Bockenstedt

Priority: Medium
Request 6/10
Project Request: Horizontal Drill

Amount: $3,500.00

- Several locations around the County have sidewalks or one lane roads that prevent IT from installing network cable
- Bringing in a contractor to do these small jobs is not typically financially viable
- Swiss Valley Campground would most likely be first use of it, to get out of the shower house
- The drill can be used by other departments if there was a need

Priority: Medium
Request 7/10
Project Request: Farley Shop Door Access

Amount: $43,000.00

- Farley has the core County technology stack
- Add door access for people and vehicles
  - All exterior people and vehicle garage doors
  - Few interior doors
  - Same door access as West Campus so access rights for people and vehicles will be controlled globally

Priority: Medium
Request 8/10
Project Request:
Board of Supervisor AV Enhancements

Amount: $14,000.00

1. Document Camera
   - Not replaced during the refresh. Ceiling mounted unit with zoom & presets - $3,750
2. Add 6th Camera
   - View front of bench, aka the hot seat - $3,000
3. Add 7th Camera
   - View island - $3,000
4. Podium microphone
   - Change to an omnidirectional microphone as speakers tend to wander & not speak into the existing shotgun mic - $750
5. Video conference camera
   - PTZ camera used for Skype, Zoom etc - $1,500
6. Room Computer
   - Remove the laptop at the podium and install a computer in the rack - $2,000

Priority: Low
Request 9/10
Project Request: Courthouse Digital Signage
Amount: $10,000.00

- Veterans & County Assessor have been successfully using digital signage.
- There are several locations in the Courthouse where there may be value in having something similar installed.
- Initial phase would target:
  - Elevator glass information cases
  - 1st floor elevator cork board area
  - 4th floor HR cork board area
- Can be expanded to other locations as targets and appropriateness are identified over time.

Priority: Low
Request 10/10
Project Requests: Recap

- Firewalls: $19,500.00, High, Needed
- GPS: $225,000.00, High, Optional
- Library AV: $22,500.00, High, Optional
- SV River Conduit: $15,000.00, High, Needed
- Durango Shop: $41,000.00, High, Optional
- Annex Cameras: $5,250.00, Medium, Optional
- Horizontal Drill: $3,500.00, Medium, Optional
- Farley Shop: $43,000.00, Medium, Optional
- BOS AV Adds: $14,000.00, Low, Optional
- Digital Signage: $10,000.00, Low, Optional
Operating Change Request

- Reduce: Interns - $12,032.00 Not able to work as many hours
- Reduce: Phone - $6,000.00 Continue right sizing
- Reduce: Network - $10,000.00 Continue right sizing
- Increase: Software + $15,000.00 New Website & New Agenda Software
- Increase: Azure Hosting + $15,000.00 Continue moving servers to virtual data center
- Increase request $1,968.00
Thank you for your time and consideration

Questions?