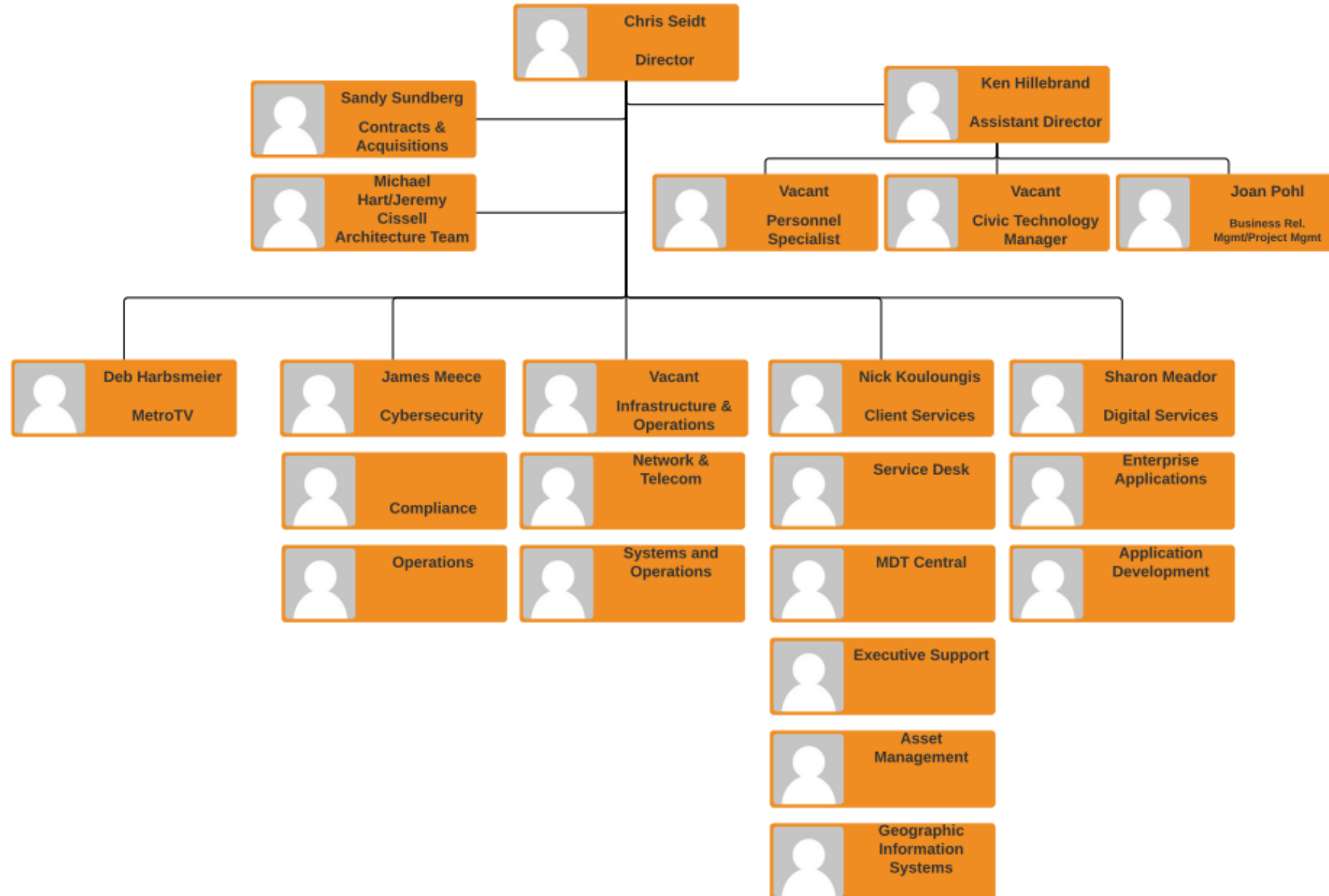


Department of Information Technology

FY19 Budget Presentation



DEPARTMENT OF INFORMATION TECHNOLOGY



What we do

Cybersecurity

Enterprise Architecture

- Voice
- Video
- Data Centers
- Network
- 24x7 OnCall Support

Application Support & Development

- LouisvilleKY.gov

Client Services

- 24x7 help desk services
- Executive Support
- MDT Central

Project Management

- Business Relationship Management

Geographic Information Systems (GIS)

MetroTV

Emerging Technologies

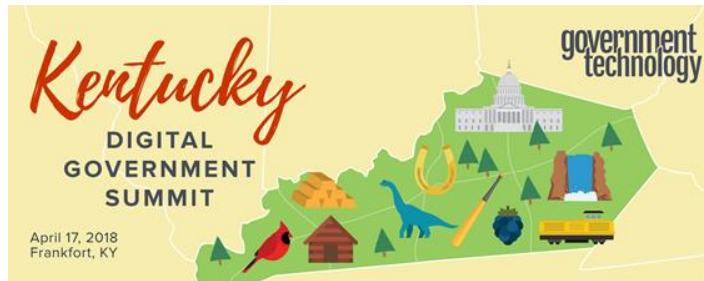
Smart Cities

Special Events



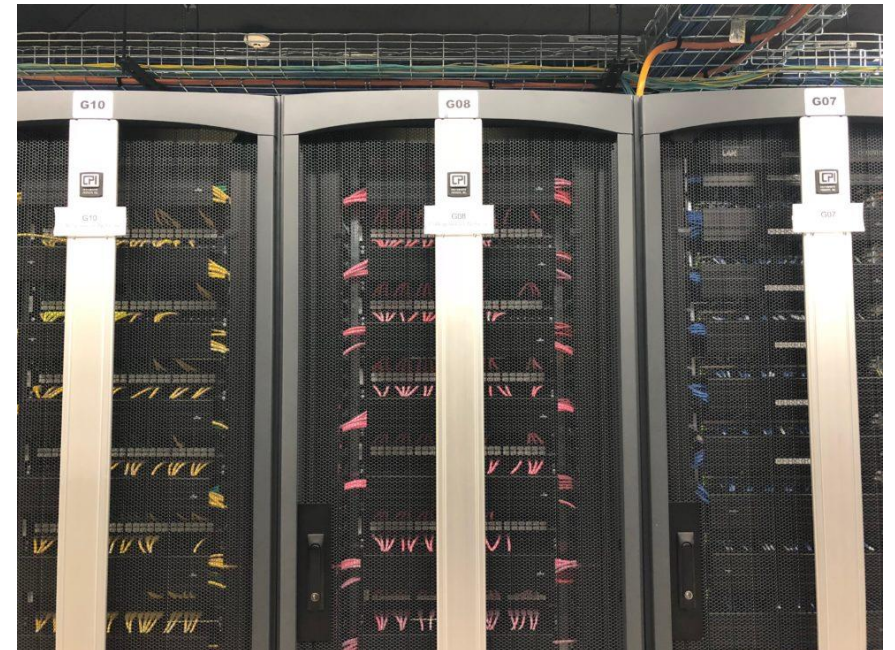
Awards 2017-2018

Civic Innovation & Technology



IT - by the numbers

- 5,296 Computers/Laptops/MDT's
- 572 Servers
- 164 Unique Locations
- 220 buildings (multi-building sites like the Zoo)
- Over 1PB of on premise storage
- 2 Data Centers
- 22 miles of fiber (115 extra miles in progress)
- 911 IP Video cameras
- 3,892 IP phones
- 854 new computers deployed FY 2018
- 500,000 software patches deployed monthly
- 769 legacy computers retired FY 2018
- 41,410 incidents (as of June 5th)
- 84,000,000 security events



Cyber Risk Management

FY 2016	FY 2017	FY 2018	FY 2019
<ul style="list-style-type: none"> • Intrusion Prevention System • Asset Management • Public Key Infrastructure • Secure Web Gateway • Active Directory Federated Services • McAfee Antivirus Upgrade • Vulnerability Scanner Upgrade • Network Router Upgrades • Network Security Map • SCCM Upgrade • Blade Servers 	<ul style="list-style-type: none"> • Security Information & Event Management • Web Traffic Logging • Service Desk Management • Secure Email Gateway • Privileged Access Management • Mobile Device Management • Network Architecture Assessment • Network Upgrades 	<ul style="list-style-type: none"> • Cloud Security • Network Access Control • Identity & Access Management • Endpoint Discovery • Disaster Recovery • Firewall Replacement • Network Infrastructure 	<ul style="list-style-type: none"> • Endpoint Control • Industry Partnerships • Cloud Insights • Maximizing Investments • Network Hygiene • Mobile Workforce Risk Management • Intrusion Strategy • <i>Reassess Overall Security Posture</i> • Multi-Factor Authentication
Foundations	Visibility & Performance	Modernization	Security Anywhere



**LOUISVILLE METRO
CYBERSECURITY**
CONFIDENTIALITY INTEGRITY AVAILABILITY

Fiscal Year 2018 Efforts

- Office 365 Email and SharePoint migrations
- Capital #44: LFIT
- Capital #45: Accela implementation
- Capital #46: Network core replacement and migration
- Local Update Census Address (2020 Census updates)
- CityPost Kiosks



LFIT Timeline



01

Engineering

March-June 2018

Field collection of pole numbers, pictures of each pole along route, engineering for pole loading, validation of conduit paths.



02

RFP Construction

June 2018 - August 2018

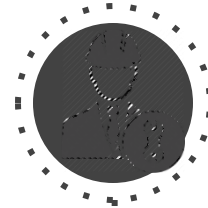
RFP published for construction including complete specifications for the entire West Louisville route. Award anticipated September 2018



03

Construction

September 2018 – June 2019
Construction of 6.6 mile West Louisville route and 115 miles KY Wired route. Prep facilities, cameras, and signals for connectivity



04

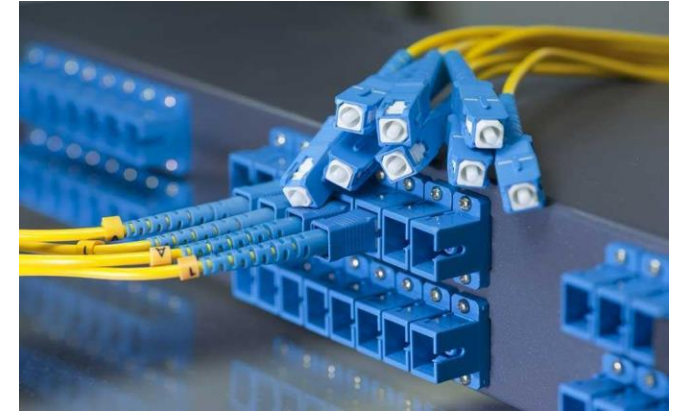
Phase II Engineering

Begin engineering work for Phase II routes as budget is firmed up for construction

- Cane Run
- Taylor Blvd
- Bardstown Rd

Things we're working on in Fiscal Year 2019

- Updates to our departmental strategic plan
- Employee retention & talent attraction
- Network distribution point upgrades
- Bringing LFIT facilities online
- Backup and recovery capabilities and testing
- Printer refresh and E-Fax
- Obsolete OS refresh project
- Backup 911 relocation IT build out
- Cybersecurity awareness
- NextGen 911
- FirstNet



Questions

