

## **AIMS Coordinators Meeting - AIMS**

**February 11, 2016**

### Attendees:

Tom Audley – City of Lenexa

Joy Ayers – City of Olathe

Steve Brown – City of Overland Park

Jason Beyer – WaterOne

April Bowman – Wyandotte County

Barbie Clay – WaterOne

Ed Crane – Esri

Ben Ehrlich – Johnson County Wastewater

Tim Fitzgibbons – City of Overland Park

Doug Hemsath – City of Shawnee

Kate Kennedy – Johnson County RTA

Mike Nelson – City of Overland Park

Terrol Palmer – Johnson County RTA

Scott Perkins – Surveying and Mapping, LLC

Dan Rose – WaterOne

Jeff Simons – WaterOne

David Stearns – Here

### AIMS Staff:

Aaron Baumgarden

Ryan Geiter

Ron House

Jason Hrabe

Shannon Porter

Keith Shaw

Travis Smith

Dan Steen

Steve Yoder

Travis Wagner

### **Shawnee – Doug Hemsath**

Doug mentioned that one of their main priorities for 2016 was to continue moving forward with their CityWorks implementation. The asset management piece is already in use and they are working on integrating their permitting system. He also mentioned that the fire department is working to obtain their initial accreditation. GIS will be supporting that effort through a variety of data analysis and mapping requests. The third major priority will center on the use of ArcGIS Online. Many users are already editing in the field using iPads, some use the Collector app and some just use the normal Esri app.

Other plans for this year include skipping ArcGIS Desktop 10.3 and working to implement 10.4 when it is released.

### **WaterOne – Jeff Simons, Jason Beyer, Dan Rose – 16:00**

Dan talked about a greater integration of the Data Reviewer extension to help fill in blank fields that resulted from moving data over to the LGIM. He also talked about beginning to use Workflow Manager to help refine the data and establish a workflow for updating and editing data.

This week also marks the end of the RFP process for updating their meter reading routes. This will help them redo each route and make sure things are move evenly distributed. They also hope to enable dynamic routes for crews in the field. He also explained part of the reason this project is complicated is due to having 4 different types of meters. One is completely manual, another requires the use of a wand, the third uses radio frequency and the last is most advanced and all they have to do is drive by and the data gets uploaded to the vehicle. RouteSmart appears to be the vendor of choice.

Jeff also talked about an upgrade to their pipes app and hopefully moving to 10.3. He also mentioned that 7 bids came in for their GIS/GPS RFP. Right now they range from \$200K-\$400K and that cost will cover 25 new GPS units. More detail was provided at the January meeting.

#### **Lenexa – Tom Audley 31:00**

Tom said they are working to update their fiber network inventory. He said they have about 20 miles of new conduit to gather that has been built in the last 2 years. They will be contracting out in the next couple of weeks to begin this process and the data should be gathered with 4 centimeter accuracy.

He also said they will be moving to Lucity mobile and getting rid of desktop.

Looking at UAS technology and Drone2Map (should be out 2-24-16). They have created a UAS policy per FAA regulations for law enforcement to show how and when they will use it. Fire department does have a licensed pilot on staff.

Still working on SharePoint site to build data center/warehouse.

#### **Olathe – Joe Ayers 47:30**

Joe talked about adding crosswalks and stop bars data to asset management system so they can track paint usage. He also talked about work order inspection process related to capturing condition ratings during stormwater inlet inspections.

He also said they would be issuing an RFI later this year to see if they want to stay on Cartegraph. They are currently reviewing requirements and needs assessments but the primary goal is to move off the desktop to a web based interface. The plan is to incorporate water and sewer in the RFI and possibly pull in the Parks group too since they are trying to inventory ash trees due to the Emerald Ash Borer. Other efforts are being taken to improve data integrity among utility data.

Joe said they would also be working on organizing documentation this year and hoped they would be able to consolidate all the different sources of information into a single repository via SharePoint.

He also said they will be working with IT on reporting services. They are currently using crystal reports but IT wants to move to SSRS.

Another project they started working on this year is the mapping of all utility easements.

#### **JCW – Ben Ehrlich and Jason Hrabe 1:05:36**

Ben said Jim was not able to attend but he did send him a few things to talk about. One item they are working on is getting an asset management plan layer added to the IMS. Jim is also trying to improve mobile app connectivity for the line cleaning and maintenance crews.

Jason added that AIMS has used SQL views to hit live Lucity data to show the status in the IMS which is then shared with consultants to view data and create work orders. He also said that work has been done on the Easy Button for the Gravity Sewer Asset Management Plan (GSAMP) to help them score and

rank pipes based on CCTV to manage the aging brittle clay pipes. This year they will also be adding a process (another easy button) to help better manage the manholes.

Another process they've been working on is showing the key performance indicators through SSRS to show progress is made. They can now show how long certain tasks should take and how long it takes crews to complete. This helps them make more data-driven decisions and set goals for each of the crews. They plan to add more reporting capabilities throughout the year.

#### **Public Works – Ryan Geiter 1:11:50**

Ryan said they will be conducting a Lucity upgrade next month that will support mobile capabilities for JCW. He also said that Lucity is migrating to a single database design so they will have to perform testing against the work Jason has done on the BRE (business risk exposure) data to make sure none of the processes are broken.

He also said they would be conducting work to QC attribute data on the stormwater layer. They also plan to update traffic counts in 2016 and are looking at purchasing a UAV.

#### **RTA – Terrol Palmer 1:13:55**

Terrol gave a quick update on the PFI (parcel foundation initiative) and said that about 80 section corners were updated in the northeast area of the county to improve the control data. These will be changing in the IMS from a placeholder to show as GPS'ed.

He also said that RTA is in the process of upgrading the document management system and training is currently ongoing to make sure everything is working properly. This will have a major impact on document searches look.

The other major project RTA is working on is that in July they will be moving away from the old mainframe system to Orion on the collections side, which has been in place for about 25 years. Many other counties and even county departments are already using Orion so it will make processes for working with other departments much easier.

#### **Here – David Stearns 1:25:16**

David gave a quick overview of HERE. Their biggest push is the use of autonomous vehicles and the data needed to make them a reality. David encouraged the attendees to continue submitting road project updates, as well as creating accounts for Map Creator to provide changes used in various GPS devices. David also discussed their proprietary vehicle with Lidar/cameras, auto-cloud for data, and HD map. He also offered a HERE vehicle demo in the future.

#### **Overland Park – Mike Nelson 1:31:45**

Mike discussed several planned upgrades, enhancements, and ideas. Among them:  
Permitting application replacement – Energov.  
Revise address dataset.  
Lucity web & mobile implementations to replace MapObjects.

Snow program – look at replacement. AVL.  
Re-tooling citizen access application.  
Rental registration program...exterior survey every 3 years.  
Re-evaluate web mapping apps (written in flash currently)...usefulness, etc.  
Bought CityEngine for displaying future dev projects.  
ArcGIS Pro evaluation...PC's holding back for now.  
Server service best practices, organize/optimize.  
Public Works/Parks re-establishing relationships with new staff.  
ArcGIS server security.  
AGO Focus group interest, especially web app builder.

### **ESRI – Ed Crane**

Zika prep.  
Snow fence.

### **Surveying & Mapping – Scott Perkins**

UAV data challenges

### **Wyandotte County – April Bowman**

Upgrading infrastructure (windows 2003, sql server 2005)  
Upgrading SQL server 2008 to 2014.  
Considering adding a 2<sup>nd</sup> ArcGIS Server to gain performance.  
Upgrade desktop/server.  
GeoCortex webmapping app upgrade.  
Mapzilla apps.  
AGO.  
How much can we support?  
Expand Open Data.  
Planimetric updates in-house.  
Moving from fgdb to sql server.  
Parcel clean-up.  
More data automation.