

## **AIMS Coordinators Meeting – Overland Park**

**May 12, 2016**

### **Public Art Viewer – Doug Johnson**

Doug presented on one of the ways Overland Park is using ArcGIS Online. He provided a quick demo of the [Public Art Viewer](#) the City built. The application is one of the few examples where the images are being hosted on the web.

### **ArcGIS Online – Collector Applications – Mike Nelson**

Mike explained that the heaviest use of ArcGIS Online is for Collector applications. He showed a simple web viewer that marked the location where each of the snow globes they collect are from. He also talked briefly about several of the Collector applications they have deployed.

ROW Deficiencies – This app is used to track each of the right-of-way permits the city issues, mostly for fiber installs (approximately 1,200 in last year) by AT&T, Google, and Shawnee Mission School District. The ROW coordinator with OP uses this app to show contractors where problems with their construction zones have not been returned to pre-work conditions. There are over 25 different contractors and this helps the city know which ones are not returning their work zones to a satisfactory condition. The app also allows staff to know which contractors should not get a permit if they are not completing the proper work.

Mike also said they have had some issues with different versions of Android tablets where attachments behave differently on some devices. He also said user training has been difficult in that it can sometimes take too many clicks to perform what should be a simple operation.

Roadway Deficiencies – This is another simple Collector application that staff used to conduct a review of asphalt conditions in newer development. One crew consisting of a driver and three collectors went out and cataloged 880 different data points over a 5 day period. This has resulted in the Engineering department conducting a full review of asphalt specs to make sure streets are not needing repair before they reach end of life.

Large Item Pick Up – Mike also talked about this app they used to track progress of the large item pickup due to issues that arose with the new contractor. In summary, the new company (Waste Management) was not prepared for the large amount of work that was required to collect all of the items placed curbside during the allotted time. What was supposed to be a simple 3 weekend clean-up ended up taking almost twice as long to complete. The app was most helpful in notifying citizens of which streets had been complete but crews resorted back to highlighting paper maps because the app was too many clicks to update a street segment.

Street Trees – Although they used a collector app to log each of the 48,000 street trees in OP, this was Mike's first attempt at creating an app using the Web App Builder. Mike found that it was fairly easy to set up and only took about 8 hours of work to assemble. The purpose of the application was to encourage diversity among street trees. This also helped them discover the top 6 species are all non-recommended.

Some of the other applications Mike talked about were the Street Surface Treatment, Pavement Marking, and Street Sweeping Tracker apps.

### **Web App Builder (Developer Edition) – Dave Fullerton**

Dave explained that they were hoping the developer edition of the WAB would allow them to easily migrate all of their older Flex applications. However, he found that it was fairly difficult to take the default widgets and customize them. He also discovered that snapping would not work on their version of iOS. The API includes over 1,600 files for a simple app and that it would not be advisable if you are trying to modify existing Esri widgets.

### **Neighborhood Indicators – Tim Fitzgibbons**

Tim gave a presentation on their neighborhood indicators project that they have been using since 2009. They made several modifications in 2011 and 2013 and use the output to report on the status of 43 different neighborhoods in northern OP. The most recent update was to include a matrix that uses multiple regression analysis to prove the indicator outcomes from the initial report. They used the Ordinary Least Squares method in Esri. The end result is supposed to help the city determine what they can do (i.e. add parks, add sidewalks, improve roads, etc...) to help positively impact a neighborhoods indicator.

### **Energov Demo – Doug Johnson**

Doug provided a quick demo on the city's new permitting solution, Energov. OP has been using Tidemark for approximately 18 years but there were many custom components they had to add that were difficult to keep track of and remember to change each time an upgrade happened. The new solution will help them manage the nearly 22,000 cases a year more efficiently and effectively. This implementation will be used by Planning and Development, Codes, and Licensing but other departments are still utilizing Lucity since both programs have their own strengths.

The web interface is one of the positive changes with the new system but it currently uses Silverlight which is only supported in IE. The new interface will be built on the HTML5 platform.

Doug also mentioned that another perk to going with Energov is that they have a very strong iPad based application. He also mentioned that it will integrate with their document management system and they will eventually be able to load all of the old cases from Tidemark so everything will be in one system.