**AIMS Coordinators Meeting Minutes**
September 13th, 2012
Host: City of Lenexa
Location: Lenexa City Hall

## LiDAR Acquisition, Application and Analysis – Derek Smith – Wilson & Company

Derek gave a presentation on what Wilson and Company does and has done in terms of LiDAR acquisition and applications. He gave an overview of what LiDAR is and how it is collected as a background. He explained that the type of project you are doing determines what type of collection method you should use. He provided us with the different types of collection methods and how they differ and what each type specializes in, in terms of the project type. For example you would use a different collection method if you are doing a large county wide collection for contour generation vs. a small more detailed collection for a corridor mapping project. He hit on the difference in fixed wing collection vs. rotary wing collection as well as static LiDAR collection and mobile LiDAR collection. Derek then demonstrated some different samples of how LiDAR is being used in creating 3D imagery from the intensity in the LiDAR return and how it can be used. This can be used for analysis as well as data creation and allows the user to easily see objects as they stand out at you when looked at it in stereo pairs. The presentation was wrapped up by talking about some of Wilson and Company's trials and tribulations of some of their projects that they have done. He also touched on some of the lessons learned while preparing and bidding for jobs as well as while working through certain jobs. If you are interested in learning more about LiDAR and what Wilson and Company can do, you can email Derek at Derek.Smith@wilsonco.com. A copy of Derek's presentation can be found here.
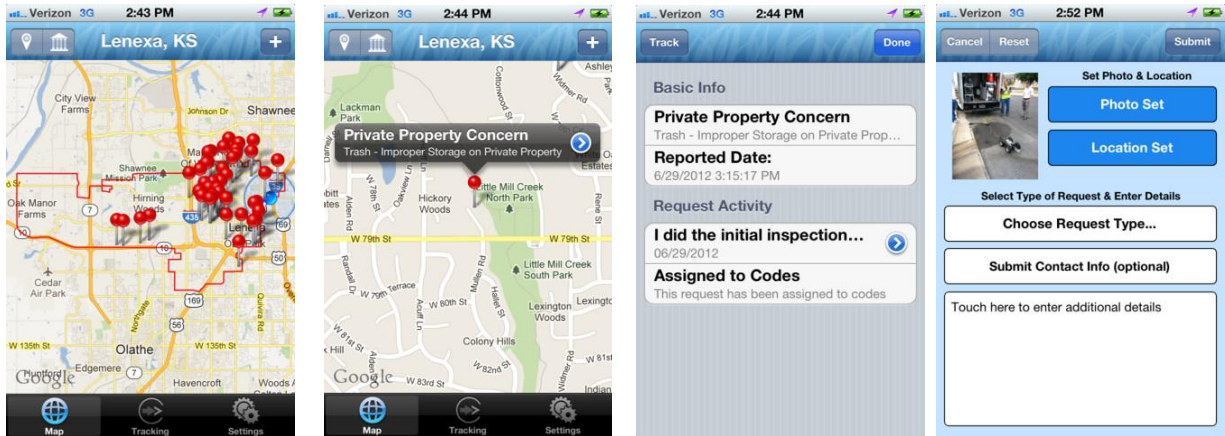
## ArcGIS Online for Organization – Brian Hiller - Esri

Brian gave an overview of the online application, ArcGIS Online for Organizations. He hit on the philosophy behind Esri creating this and how it fits into the entire Esri "system." He introduced this application by discussing what it is, and the differences between the "Subscription" ArcGIS Online vs. the "Personal" ArcGIS Online in terms of what you get from each one and the limitations of the personal version. He hit on the guarantee of it being up 99.9% of the time to ensure that your services will be up when you need them. Brian talked about how ArcGIS Online for Organization works in terms of publishing services, publishing data, geocoding, tiling, etc. and leveraging Esri's cloud to host the data and to perform these tasks. He also explained the difference between uploading information and services to Esri's Cloud vs. simply registering your data and the implications of how this affects your credit hits. This application comes with a dashboard that helps you administer your information, keep track of how many credits you have used and the different users you have along with all the content you have uploaded. Brian announced that coming soon would be a "Credit Estimator" that would allow you to enter parameters and it will estimate how many credits you would use, thus giving you a better idea of what subscription level you would need. He explained more of what the credits are and how they are used and the process to purchase more if needed. From there, he explained the different levels available to purchase with each level having limits on number of users and credits. Brian talked more about the dashboard and how you administer security of services within the system as well as customize it to fit your organization's look and feel. Also demonstrated was the product within the ArcGIS Online for Organization, Esri Maps for Office, which integrates Esri Maps with both Microsoft Excel and Microsoft Power Point. This allows you to take a list of address, geocode them and produce a map in excel and share that back to ArcGIS Online as well as create static or dynamic maps within power point presentations with internet connectivity. See Brian's power point presentation for more details and links to more information on this product or email Brain at BHiller@esri.com.

## City of Lenexa 311 Applicaton for iOS – Tony Perkins – City of Lenexa

Tony talked about the latest application they have built to engage citizens in their ability to provide requests for services to the city's community development department. This is a duplicate effort that is already available via the web where citizens can submit requests for service online. The city then receives this data, evaluates the request and determines if they need to move forward. They recently developed a mobile application for iOS that takes this process to the next level and allows citizens to use their mobile device (iPhone and/or iPad) to submit a

request for service.   A version for Android is in the works.  This is done by downloading the application through Apple's App Store.  The application is "311 Lenexa."  It allows the user to use the device's mobile GPS and place a point and explain the service request through a form with a drop down list. They can provide details and even take a picture that is then submitted through their mobile device.  It also allows them to drop a pin and move it to the desired location and submit it with the same information.  The user then can track that request to see where it is at in the repair process.  The user also has the capability to see and track other request that other users have put in.   This links into their Acela software to provide real time updates and status of each of request.  This has been on a soft roll out and has been well received by people who have used it and is expected to more of a formal release in the near future.  For more information on this application or what other mobile projects Lenexa is doing, email Tony at tperkins@lenexa.com.



**City of Lenexa ArcGIS Online for Organization Experiences – Stacey Priest – City of Lenexa**

Stacey showed what the city of Lenexa has done with their ArcGIS Online for Organization subscription to date. They are just now in the infant stages of how they will use this and determine where they can leverage its power. Through the city's ELA (Enterprise License Agreement) with Esri, they receive a level 3 subscription which provides them 100 named users and 17,500 credits.  Stacey showed us the interface and how it tracks and alerts you of credits that have been consumed and talked about how it alerts you how many credits you will use before publishing service or data to Esri's Cloud.  She also showed the dashboard available to administer maps and data and set up sharing to different people and organizations.  They hope to learn more about how it works and better understand the terminology and hope to leverage this in the coming months.  Brian Hiller also demonstrated a few applications that are currently in production that are using the ArcGIS Online for Organization, to show some real life examples and the potential power of this product.  The example he showed is was of Kansas City Fire Department and how they have been using it to do fire hydrant inspections to replicate the paper forms they have been using in hopes that it will increase the efficiency of this process.  If you are interested in more information on how the City of Lenexa is using this product or have any questions for Stacey, you can contact her at spriest@lenexa.com.