

## **AIMS Coordinators Meeting Minutes**

January 13, 2011

Host: City of Olathe

Location: [Olathe Municipal Services Training Room \(1385 S. Robinson Dr, Olathe\)](#)

### **Announcements:**

AIMS will host the February meeting. Please come ready to discuss your organizations goals and projects for 2011.

### **Presentations:**

#### **Tanner Nickelson– Olathe PWPES**

Tanner's presentation covered the methodology used by their surveying crew. The past year the City purchased survey grade GPS equipment. They used the equipment to locate and verify infrastructure for their water valves. They only used the GPS for features  $\geq 16''$  and the new accuracy helped correct spatial alignment associated with water mains. The vertical elevation data will help with future modeling of water capacity and flow.

The GPS also helped in capturing sanitary sewer features. For this update they started with features  $\geq 12''$ . As a result of capturing the new spatial features and attributes, the City created a priority list for maintenance and replacement. Some additional benefits of the projects were:

- Verified manhole attributes
- The updates were sent to their consultant for use in the 5 year master plan
- Aided in CCTV effort
- Ties into Cities I&I initiative to reduce treatable groundwater

In 2011 the City intends to purchase handheld GPS units. With the merger of Public Works, Planning and Environmental Services there is a greater demand for the GPS accuracy.

#### **Jeff Burch – GIS to assist Facility Conservation Improvement Program**

Jeff provided an overview of the City's participation in the FCIP. The program advances the guaranteed savings and the money is recouped through energy savings. In addition to replacing light bulbs, the City replaced many of the old water meters with new meters capable of sending a reading via RF.

- Used GIS to prioritize which meters were replaced first. The priority used age and read time from their billing system

- Reviewed installing progress and tracked any errors
- Helped to eliminate drive by readings implemented in 2004
- Gathered an inventory of lid types due to the radio being attached underneath the lid
- Used the 2 GPS points in performing QA/QC. This aided in resolving potential customer problems.
- 2 internal services allowed employees to track the progress of the project and view pictures of each residential installation.

### **John Schroeter- Olathe Snow Removal Program**

John highlighted some of the policy changes implemented within the last year. The changes resulted in an addition of daytime routes. Based on the recent snow event, the additional routes reduced customer complaints. He also provided the various route types and how the routes correspond to the amount of accumulated snow. The City purchased new AVL equipment and installed the AVL on most snow trucks. Some highlights of the new AVL equipment and software:

- Old AVL was a passive system and reported speed, location and direction. The system reports the same information, but uses a continuous wireless feed.
- The units cost approximately \$400 and includes a 1 year service contract for use of the tracking website
- The City created a web service to import all the points
- Use the data to review complaints
- Use the data in ArcMap to pro-actively plan cul-de-sac snow removal
- Driver's now report in at the end of route and the routes are plowed quicker.

### **Thomas Morefield – Olathe Comprehensive Plan**

Thomas is a Senior Planner and helped the City update their comprehensive plan. The previous plan was adopted in 1997 and after 2 years of work the existing plan was adopted in October 2010. The new comp plan is a reflection of the communities vision and takes into account; transportation, land use, housing, growth and development. He emphasized that the plan is intended as a constantly evolving document. Some of the key items to the comp plan are:

- Talked with approximately 1,500 residents to gain the perspective of the citizens living in Olathe.

- Attended public events and held workshops
- Created a comp plan website to provide updates and a timeline throughout the project
- Used City GIS/IT resources when the consultant couldn't deliver an interactive map product

Scott Rice demonstrated the online comp plan map. The City uses one template for all their GIS mapping websites. This allows GIS staff to edit a configuration file in order to add or remove any layers.

- The map uses 6 ArcGIS Services including a cached service for the aerial photo.
- The attribute window contains links to information and pictures
- Pre defined maps list allow users to turn on multiple layers
- Utilizes a transparent layer to simulate "fog"
- Created "areas" for locations with no truly defined geographical extent

View the interaction future land use map here

<http://www.olatheks.org/maps/dscompplan/>