

AIMS Coordinators Meeting Minutes

October 8, 2009

Host: City of Shawnee

Location: Shawnee City Hall

Announcements

- The November Meeting will be hosted by AIMS at the County Administration Building
- No additional announcements were mentioned

Presentations

Doug Hemsath – ArcPublisher and Visual Studio Applications

- Address Finder
 - This is an internal, data-centric application that allows employees to look up an address, and get back a multitude of information about that address. The data is pulled from many different city resources, to make it a one stop location to get information.
- Shawnee Viewer
 - This is an internal, map based application that allows employees to look up information by searching for an address, or just identifying on the map. It has quite a bit of the same information as the Address Finder, but is more of a map interface. The goal is to either get all of the same information integrated, or link out to the Address Finder results.

Jamie Roberts – Google Earth KMZ files

- Adding legend and city logo
 - KMZ files are generated by exporting a map document with the ArcGIS tools, then a legend and city logo are added and turned on by default, by unzipping the KMZ, modifying a couple of small sections of the KML, and re-zipping the files.
 - Contact Jamie if you are interested in getting the XML tags that he modifies in the KML. (jroberts@ci.shawnee.ks.us)
- Enhancements in Version 5
 - Incorporated access to historic aerial photography, which can be displayed instead of the current photography.

Doug Hemsath – Stormwater Database

- Infrastructure Network
 - A contractor for Shawnee recently completed a Stormwater network that is in a Network Dataset so that tracing through the network is now easy to do with the built in Utility Network tools in ArcGIS.
 - A QC and Cleanup effort is under way to verify the information, and correct problems.
 - Pictures are being linked to the structure points so that they can easily be referenced through the layer.

- Something they would like to do would be reference video they have of the internal structures, so that those can also be reference through the layer.
- Maintenance responsibility determination
 - An ongoing maintenance plan is being devised to keep the network up to date, so that it will be useful in the future.
- BMP's
 - These are natural areas being tracked that are used to slow and reduce the amount of stormwater runoff that makes it to the streams and lakes.

Doug Hemsath – Pavement Management Database

- PASER pavement rating system
 - Created in house, this system provides a way for the street department to track current street health, as well as assist in planning for future street repair and replacement.
 - The street segments are split at pavement changes, and condition ratings, to accurately model the street conditions.
- Pavement area calculations
 - Standard Lane miles were calculated, by adding number of lanes and average lane width to a centerline file, then additional pavement in the form of turn lanes were added by hand, as new segments.
 - With this information, a total street area was calculated, and the number of lane miles was calculated from the total pavement area.
 - This information will be used when determining the amount of actual pavement that will be removed or repaired during maintenance work.

Doug Hemsath – Digital Traffic Accident Reports

- Public Safety is using Image Now by Perceptive Software to organize digital scans of their reports, however no data is collected from the document.
- Public Safety sends digital Accident reports to Public Works once a month. Public Works then enters data from the report into a database and makes PDF's available digitally.
- The data entered by Public Works is used in their GIS.

Jamie Roberts – Tracking Tenants in Multi Tenant Buildings

- In business districts, tracking is accomplished by the inspectors going out when they have time and measuring off the frontage distance for each tenant. Jamie then takes this information, makes a copy of the building footprint from the Planimetrics, and splits it based on the measurements.
- Multi story buildings are handled by making overlapping polygons of the footprint, and splitting for each floor.