AIMS Coordinators Meeting
November 2008
Hosted by the City of Olathe

Agenda:
- Google Maps and City Data (Matt Steging and Scott Rice)
- ArcIMS, Google Maps and ArcGIS Server (Scott Rice)
- GIS and CIS (Jeff Burch)
- Changing roles of GIS and GIS staffing (Carol McCoy)
- AIMS Updates, Enhancements and Recent Projects
  - Imagery Update (Keith Shaw)
  - Density Datasets (Paul Brandt)
  - ArcGIS Server Basemap (Jason Hrabe and Keith Shaw)
  - Mapping Enhancements (Dan Steen)

Google Maps and City Data (Matt Steging and Scott Rice)
- Several attempts have been made by Matt and Scott to add useful GIS information onto the Google Maps interface, using the Google Maps API. First they used KML's to add the city boundary and a few points to the map. However, the limitations that the KML cannot be subset, and is difficult to query forced them to look at other solutions. The next iteration tried was a PHP page with embeded java script to add the layers onto the Google Map. They discovered a problem with this method in that the PHP page is mostly handled on the server and the java script mostly on the client, thus making it very difficult to talk between the two. The third option they came up with was to use ASP which allowed both server and client side communication, however uses a different development technology than the rest of their website, so no decision, as of yet, has been made on which technology will be used, but they are leaning toward the ASP solution because it appears to be the one that will be easiest to implement.

ArcIMS, Google Maps and ArcGIS Server (Scott Rice)
- Olathe has been looking at opportunities to integrate services using these several options. Although their plans with ArcGIS Server are pretty much on hold until after their upgrade to ArcGIS 9.3 which is planned for the first quarter of 2009.

GIS and CIS (Jeff Burch)
- Trials and tribulations often occur when trying to connect customer information with a location so that trends, and other information stored in the CIS can be mapped, and analyzed in useful and meaningful ways. The specific example discussed was Olathe's need to create some sort of link and location information between their old utility Customer Information System and the GIS data they are maintaining. The first attempt was through an Access Database to do the conversion, however the limitations of the Access Database prevented many attributes from being available, so now an ArcGIS Model Builder solution is offering a similar function, however it is slower, and the data has to be pulled out of the CIS to work with it. Finally a point layer is created that has attributes

allowing the GIS system to join location information to the CIS system information.

Changing roles of GIS and GIS staffing (Carol McCoy)
- A discussion of how the role of GIS staff and departments continues to change within organizations, and how the experiences of the more experienced staff members increasingly pulls them into additional roles that are sometimes outside of the traditional GIS work and many times more into a straight information technology role.

AIMS Updates, Enhancements and Recent Projects

    Imagery Update (Keith Shaw)
- The 2008 Ortho images have been received, however AIMS is still seeing some problems with the imagery, however, it is available in Online Mapping and in the jocoRaster database on the AIMS data server, as well as SID files also on the AIMS data server. AIMS is still working with the vendor to get some issues resolved with the quality of the product before full release of the imagery is available. The optimistic estimation for final delivery of the new cleaned up images is in the next month or two.
- The 2008 Oblique images have been received in a Multivision project, however, AIMS is working with the former ACA company to get a specific flight date re-flown due to quite a few problems with the images on that date. The current images are available for viewing in Online Mapping through myAIMS .
- If you need specific areas for projects you are working on, AIMS is willing to provide those for either the Ortho or Obliques, but because they are not finalized products right now, AIMS is not planning a full delivery to everyone until the final product is here and approved.

    Density Datasets (Paul Brandt)
- Some density rasters area now available and are being updated automatically on http://maps.jocogov.org/arcgis/services and in the jocoPub database on the AIMS data server. The datasets are built from the current year Foreclosures, Total Land Value broken down into separate layers for all properties, commercial, all residential, multi-family residential and single family residential, as well as a population density which is built off of Population Model 1 which uses parcels and land use to attempt to calculate a current population.

    ArcGIS Server Basemap (Jason Hrabe and Keith Shaw)
- Jason has put together, and made available on http://maps.jocogov.org/arcgis/services/BaseMap a cached basemap service that is open to be used by your applications or in ArcMap if you so desire. The service is built with the WGS84 projection system so that it can be overlayed on the other ArcGIS Online services and the outer zoom levels were developed to look similar to the ArcGIS Online "World Street Map".

    Online Mapping Enhancements (Dan Steen)

- Mortgage Company information is now in Online Mapping for properties where the tax bill is paid by the Mortgage Company. (Note: this is not all properties with a mortgage on them, but just those where the Mortgage Company is paying the tax bill on the property.)
- All scanned plat images now have georeferencing information available with them in the form of world files and the new ArcGIS xml reference files.
  - AIMS has written some ArcMap code behind a tool that will bring in the appropriate plat image if one exists where you click with the tool.