AIMS Coordinators Meeting Minutes

September 11th, 2008
Host: AIMS
Location: Johnson County Sunset Building

Next Meeting:
October 9th, 2008
Host: City of Shawnee
Location: Shawnee City Hall

Announcements

- ESRI has several learning opportunities in the Kansas City area in the near future. Two are free of charge and two are for a fee. You can visit ESRI's web page for more information at
  http://events2.esri.com/info/index.cfm?fuseaction=listSeminars

Breaking down barriers in Development Services in Johnson County (John Harrenstein, County Manager's Office)

John works within the County Manager's office for Johnson County. He has been working with AIMS to develop an application to allow departments within Johnson County to share and make data within the realm of human services more accessible, comprehensive and reliable. Since around 1980 it has been a goal to share data, but due to agencies not wanting to share their data, HIPAA laws, and technical holdup, this has not been accomplished. John discussed ways in which AIMS has helped break down this barrier and begin to share this type of information, enabling more people can assist those in need of these services. Johnson County was given access to the United Way 211 database, a warehouse of data that drives this application. This data consists of locations where one would go to get help on things ranging anywhere from electrical bill assistance to prenatal care. From this application, users are able to query the data from the 211 database and have results returned detailing locations of service providers, the services they provide and other information pertaining to that location. The ability to search this information electronically makes assisting people of need quicker and more practical for the user and customer. John explained the efforts leading up to the application development, the hurdles they had to overcome and the progress they have made. This project has opened many eyes at the state level as well, enabling others to see what can be done when data sharing is accomplished. This application is currently in the adoption and training phase. For more information on this project or theapplication please contact John or Steve Yoder with AIMS.

Crime Mapping (Keith Shaw)

Keith discussed the efforts involved in creating a county wide mapping application based on interest from the County Sheriff's department and the City of

Olathe. AIMS has already implemented a similar application for the City of Leawood and could mimic this for other entities. Overland Park already has in place an online mapping application for their crime data. The City of Olathe will push data to the Sheriff's Office and AIMS would then receive the data from the Sheriff's Office and Olathe to display on the maps. Other cities who would like to participate in an effort of this nature will have to part of the ICAD and ILEADS software. A test environment has been put in place to display the data based on crime type, date range and area. The search is limited to the first 200 results in your search area but the database will be requeried each time the map extent is changed, making the results more precise. If you are interested in becoming part of the project contact Keith.

Proposed Zoning (Travis Wagner)

Travis demonstrated and explained the process AIMS has put in place to capture and maintain proposed zoning areas within Johnson County. In conjunction with the City of Gardner, AIMS has developed a web submittal application to allow cities to enter information about an application for a rezoning. The city also submits a legal description that is used by AIMS to derive a shape for display. The shape is joined to the tabular data entered by the city and is displayed on the Johnson County Online Mapping Application. The uses and benefits from using this were emphasized and AIMS expressed interest in capturing this data from more cities. If you want to know more about this, or want to participate, please contact Travis.

Oblique/Ortho Update (Brian Hiller)

Brian gave a quick update on where AIMS stands in the process of updating the orthophotography and oblique images. The date for final receipt of the oblique images is still uncertain. The ortho photography, AIMS has completed quality checks on the orthophotography and has found some errors regarding the quality of the pictures. This has been conveyed to the vendor and we are awaiting the corrections. Final delivery date of the corrected imagery is currently unknown. Once AIMS receives them, another quality check will be completed of the new images and they will be prepared for delivery and distribution to data partners.

Break – 10 minutes

Foreclosure Data (Paul Brandt)

AIMS has developed a new dataset to illustrate where foreclosures are occurring within the County. Data is received from two sources. Sherrif's deeds are received from the Sheriff's Office JIMS department whenever a property that was filed for foreclosure is sold through the Sheriff's Department. AIMS is also receiving data from the Records and Tax Administration (RTA) Office when foreclosures are filed, dismissed or sold. Paul noted that even though it might say dismissed, the foreclosure could still be active, due to the case potentially involving multiple parties. The locations of the foreclosures

are geocoded based on owner name, since the addresses of the foreclosure notice are not always the location of the foreclosure. The address that appears in the attribute table is populated to the hundred block for security reasons. From this data, heat density images were created to depict where high volumes of foreclosures are occurring. The data in point feature class is available but due to the sensitivity of the data, it is not to be shared with the public. The heat images will be available soon and can be used on maps and distributed as needed. If you have any questions about this data, please contact Paul.

Housing Choices (Steve Yoder)

Steve talked about the work done in response to a request from the BOCC and County Managers Office (CMO) for assistance in analyzing the workforce housing situation in Johnson County. The CMO provided reports detailing the average income of certain professions and the average property values of homes in certain cities and contacted AIMS to create maps that would illustrate what homes within the county a citizen of a particular profession might be able to afford. Rather than creating maps, AIMS took this data and made it into intelligent internet application. The same professions and average salary data were used, along with 2007 appraised property value, 2007 sales of new homes, and 2007 sales of existing homes data to determine affordability. They provided this data on a web mapping application to view and display the data. By selecting from drop down menus to query the type of profession and housing category, the map quickly shows what properties could be afforded and those that could not. Reports were created and presented back to the CMO and BOCC along with the internet mapping application to show results and to do more analysis. If you have any questions, please contact Steve.

Correlation between pay scale and commute to work (Dan Steen)

AIMS has been involved in another study that stemmed from the Housing Choices project. The CMO has also asked if there is a correlation between the salary of a Johnson County employee and the distance they drive to work. Dan talked about the efforts he took to report back on this topic. First employee information was extracted from a Human Resources database including the address they have as their official address, the location in which they work and what pay scale they fall into. The addresses within Johnson County were geocoded based on AIMS address points and Yahoo was used to geocoded all the locations outside Johnson County as well as to provide a latitude and longitude for each employee. After getting point locations for each employee, a straight line distance from where they live (origin) to where they work (destination) was calculated. From this a map depicting the lines and a report showing results was created. Dan concluded that there is no direct relationship between a person's pay grade and the distance they travel to work.

Access to Land Record Documents (Dan Steen)

For years the RTA Office has had an application that provides searching capabilities to look for recorded documents associated to a parcel of land in Johnson County, known as DTS. Dan demonstrated the work he has done to implement the same

searching capabilities into an automated system driven through a map interface. When you are navigating in Johnson County Online Mapping Application, if you are logged in and have the credentials to access the application, a new tab will appear in the property identification window. The tab labled "DOCS," will query the land records document database automatically, based on the parcel id if it is a platted parcel, and the quarter section if it is not. All related documents are returned such as easements, mortgage, or deeds. Dan explained that when searching non-platted parcels, it will return many more documents due to the fact it is searching all documents that have that particular quarter section in them. The results mimic those found in DTS in terms of layout and data. Users can click the link to look at the scanned image of that particular record. The same logic is available in the JCLR application as well. There are multiple stored procedures and hundreds of queries running each time the tab is accessed, and retuned in a matter of seconds.   This is in the final stages of testing and has been released to select internal users, but will be released to users who license DTS from the RTA office soon. He is also working to make the application more user-friendly and is making other upgrades based on feedback that he has already received. If you have any questions or for more information on how you can get access to this, please contact Dan.