

Highlights of the GIS Steering Committee Meeting February 18, 2005 Oakland County, Michigan

*For more information about any of the topics below, please contact your **User Support Specialist**. If you do not have a User Support Specialist, or you are not sure who your User Support Specialist is, please contact **gishelp@co.oakland.mi.us**.*

Miscellaneous GIS Initiatives

The 2004 General Election ArcIMS pilot site was **demonstrated**. The site displays the results of the Presidential and County contests by voting precinct. The site can be viewed at **<http://www.co.oakland.mi.us/ims/election>**.

The ArcGIS 9.0 migration project is continuing. If CVTs are not migrated to ArcGIS 9.0, they will no longer be able to access the County's ArcSDE server. It is anticipated that the migration will be complete in one month. All Oakland County desktops have been migrated except for Equalization and ERP.

All Oakland County productivity tools have been migrated to 9.0. We currently have both ArcGIS 9.0 and ArcGIS 8.3 versions. If you are currently running 8.3, the 9.0 version of the code will work.

Updates to the Map Series tool were **demonstrated**. The tool now allows the user to use a polygon file to identify areas that will be displayed as map details on the right side of the map. The tool also allows the user to enable and disable pages of the map book depending on the presence and absence of features in a specified feature class.

The GIS Utility is currently hiring 2 Project Managers. The positions will be open until the end of the month. Oakland County Drain Commissioner's Office (OCDC) is currently hiring 3 GIS\CAD technicians. Please visit the Oakland County Jobs web site for more information: **<http://www.co.oakland.mi.us/jobs/>**.

County Department GIS Initiatives

The Planning and Economic Development Department is currently working on mapping green infrastructure and mapping the 2004 natural areas. They hope to demonstrate their methodology at a future Steering Committee meeting.

The One Stop Shop is working with the Road Commission for Oakland County (RCOC) to produce a 2005 road atlas. It will contain the roads as of the end of 2004 and should be published in March, 2005. This is the first time that the map has contained all Oakland County GIS data. In an effort to improve the road centerline, RCOC sent paper maps to 18 townships and asked them to mark them up with any changes. These changes were then performed by the GIS Utility.

Public Safety is currently investigating the specifications for an ArcIMS site that would replace CrimeView for lower end users. ESRI is currently reviewing the proposal. High end users will receive thick client technology for their CrimeView application.

The Emergency Response and Preparedness Division (ERP) mailed maps of extremely hazardous substance sites last year to the local EOCs. These maps are being ported into an ArcIMS site to use as a planning tool. ERP is in the process of developing data for the site. The site will be password protected for Fire and Emergency Response. This project may wrap up in the next month. They are currently waiting for a hardware upgrade before performing the ArcGIS 9.0 migration.

The Michigan Homeland Security Geospatial Advisory Committee is comprised of 13 people from Michigan. The Committee has applied for a federal grant to seed fund a state-wide system.

They are hoping for approximately \$2 million to allocate to between all 83 EOCs for geospatial use. They should know if they receive the grant in next month and half.

The Oakland County Drain Commissioner's Office (OCDC) has their converted water data in SDE. They are also testing enhancements to the Map Series tool and continuing to map drainage districts, right of ways, and encumbrances. The sewer data delivery will be coming. The only data OCDC will have is for infrastructure they currently own and operate. They recently completed water main break data for Farmington Hills. They are working an RFP for a total enterprise asset management and permitting system that will hopefully be implemented by the end of year.

The Health Division is continuing GPS field collection of well and septic tanks/fields. This data will be appended to the eHealth system. The Well and Septic permitting application is available online. It includes a sketch viewer for wells that can be submitted online. Abandoned wells will be GPSed this point forward. On new septic systems, the tank lids and every corner of the field will be GPSed. The GPSing will be part of the inspection process for new construction.

The Automatic Vehicle Locator project (AVL) is being expanded from just running on County-owned vehicles to also running on Java-enabled phones. The results will be displayed through the same browser system. The goal is to eventually have CVTs buy their own hardware, and use the County's system to display the results of both vehicle and personnel tracking.

The Parks and Recreation Department are working on mobile mapping of all trail units. This project will help them with ADA compliance by finding maximum and minimum slopes. They are also trying to produce more accurate maps for specific uses such as mountain biking races.

The Road Commission for Oakland County (RCOC) purchased a Trimble GPS unit for asset management. They are currently using an ArcIMS site in-house. Employees in the field have access to this site as well as an intranet site via stand alone PCs that are being placed in RCOC garages. They are also working on new layers for snow plow routes.

Surveyors are using the ArcIMS Survey site that was designed for the Register of Deeds Office by the GIS Utility. This site will eventually be a fee-based product of Access Oakland.

The Equalization Department is beginning to collect data in the field using tablets. They are planning on integrating GIS with the appraising system. In the future, they may be able to put ArcIMS on top of BS&A.

The Treasurers Department has started a hardware technology assessment.

The Digital Flood Insurance Rate Map (DFIRM) project is progressing. FEMA has organized a public meeting to be held Tuesday (February 22) and Wednesday (February 23) nights to discuss the preliminary floodplain delineations with citizens and public officials. A 90 day appeal period will start shortly after this. More information is available at www.co.oakland.mi.us/gis/info_pub/projectdocuments.html.

GIS Data

Any comments about or issues with the GIS data should be sent to gisdata@co.oakland.mi.us.

There are now 13 communities connected to SDE. Communities can now get data warehouse data via Business Objects. For those not connected to SDE, the next data distribution will be at the end of April.

There have been many updates to the road centerline file, both in the line work, and in the attributes.

As the Land Management data model is rolled out, the structure of the parcel data in SDE will change. Users will be notified of this change in advance so they can modify any map documents or applications accordingly.

Parcel editing will be in SDE at the close of the first quarter. During the second quarter, we'll be working on road centerline migration and address management.

Data is being gathered to create a sub-school district layer. If you have sub-school district information, please send an email to gisdata@co.oakland.mi.us.

The regional 2005 orthophotography project is still on schedule. The deliverables will include true color and black and white imagery, and a special surface model that may be used for 3D modeling. The project team is working with the vendor (EarthData) to go over the flight plan. A Quality Control (QC) Committee has been formed consisting of one member from each partner's organization. The flight will occur in spring. The pilot delivery will occur in June, and the full delivery should be available by December. More information is available at www.semcog.org/Products/AerialPhotos/2005RegOrtho.htm.

Wireless Oakland

The Wireless Oakland project was announced at the State of the County address on February 10. This is a public/private partnership that includes the following goals:

1. Blanket the County with wireless internet access, a portion of which will be free of charge.
2. Provide PCs and training to residents within the County to bridge the "Digital Divide".
3. Develop the **Telecommunication and Technology Planning Toolkit for Local Governments that** will serve as a resource for local government agencies within Oakland County looking to prepare their communities for future technology investments and substantiate them in local planning and zoning regulations.

More information is available at: www.co.oakland.mi.us/wireless/