

AGENDA - GIS STEERING COMMITTEE MEETING – MARCH 16, 2001
OAKLAND COUNTY, MICHIGAN

1. Introductions and public comment?

Over 45 representatives from local CVTs, County departments and the public sector attended the March 16, 2001 meeting.

2. Approval of the minutes from January 12, 2001 meeting.

Minutes approved without discussion or clarification.

3. The 2001 GIS Committee Meeting Schedule is as follows:

- a) January 12, 2001
- b) March 16, 2001
- c) May 25, 2001 – Please note the change in meeting date. Meeting was originally scheduled for May 18, 2001.**
- d) July 20, 2001
- e) September 21, 2001
- f) November 16, 2001

4. Miscellaneous GIS Program Items.

- a) Financial Report. Discussion by Scott Oppmann?

The Financial Report as prepared by Cheryl Wilson was presented and is attached for reference.

- b) ArcGIS Parcel Data Model Work. Discussion by Scott Oppmann?

ESRI and Fairview Industries have finalized the first draft of the parcel object data model. The draft can be found on Fairview's website or a copy can be obtained from the GIS Utility. The GIS Utility has been providing input during the development of the draft data model and coordinating local government participation. Oakland County will be a Case Study in the accompanying book. Sample data models using Oakland County data are forthcoming.

- c) Census discussions - use of the County's road centerline data by the U.S. Census Bureau. Document prepared (on County's web page) entitled *Oakland County, Michigan - Improved TIGER Geography for Census 2000*. Discussion by Scott Oppmann?

Oakland County's road centerline data will be shipped to the Census Bureau in late March to begin the conflation of the TIGER 2000 attributes. The GIS Utility will be evaluating the differences in the TIGER 2000 data once available at the state level. Final product will be Census attributes on Oakland County road centerline data.

- d) 2001 Redistricting Committee. AutoBound application will be used for County redistricting efforts. Discussion by Ron Crank or Scott Oppmann?

The GIS Utility has been working with the Oakland County Reapportionment Committee to select a GIS-enabled tool for the Census 2000 redistricting efforts. Five copies of Digital Engineering Corporation's AutoBound application have been ordered. Representatives from the GIS Utility, ROD's Office and PEDS will be trained in the use of the tool and available to assist the Committee.

- e) Farmington Hills RPO Grant Project. Discussion by Scott Oppmann?

The GIS Utility has been working with the City of Farmington Hills and RPO to finalize the grant deliverables and draft the project closeout documentation. A draft of the project closeout document will be completed in April of 2001. RPO grant was provided to map storm sewer infrastructure and areas of the city that may have septic systems. Final project closeout should occur in early second-quarter 2001.

- f) SEMCOG's GIS Regional Committee – Meeting held on March 15, 2001. Report from those who attended?

Ann Vanslebrouck discussed the upcoming SEMCOG GIS Regional Committee meeting schedule. The CLEMIS program presented at the March 2001 meeting. Subcommittees have been restructured as of late and they are enlisting participation. The Education Committee has scheduled two upcoming workshops: ArcIMS on April 18, 2001 and Water/Wastewater/Stormwater GIS on April 4, 2001. RSVP to Ann Vanslebrouck at Vanslebrouck@semcog.org.

- g) CVT Demonstrations.

On February 28, 2001, Erick Phillips and Scott Oppmann spoke to a group of representatives from Independence Township regarding the use of GIS technology.

h) County acquired ArcView Licenses:

The GIS Utility continues to distribute up to three license agreements to CVTs. One additional ArcView license is available to CVTs if needed? Requests should be forwarded to Erick Phillips at the GIS Utility. The GIS Utility's ArcView 8.1 upgrade policy is now being formulated with ESRI. More details will be discussed, as the County gets closer to deployment.

i) GIS Conferences and Events.

The Spring 2001 Imagin Conference is May 21-23, 2001 at the Lansing Convention Center. This is the first combined conference for Imagin participants and the registration packet can be found on the web at www.imagin.org. The 2002 Imagin Conference will be held in Traverse City.

The 2001 ESRI User's Conference is July 9-13, 2001 at the San Diego Convention Center. The registration deadline is May 12, 2001.

j) ArcGIS Migration Plan and ArcGIS 8.1 Beta Testing. Discussion by Scott Oppmann?

The Oakland County ArcGIS Migration Plan (available on www.co.oakland.mi.us <<http://www.co.oakland.mi.us>>) has been completed and the GIS Utility is currently testing the pre-release version of ArcGIS 8.1. Initial ArcGIS preparations include the replacement of existing GIS servers and the installation of ArcSDE 8.1. Currently, the GIS Utility is testing ArcSDE 8.1, SQLServer 2000 and Windows 2000 Server in preparation for the County's ArcGIS deployment. Sample countywide datasets have been loaded into SQLServer 2000 and access to the data is being tested in ArcMap 8.1. As physical testing continues, a detailed Phase 1 Migration Plan will be developed. This plan should be completed in June of 2000 and full migration will begin this summer.

k) GIS Utility Training Classes for CVTs and County staff. Discussion by Erick Phillips?

Intro to GIS Using ArcView classes continue to be held monthly at IT. In general, the course is taught on the first Wednesday of the month. Contact IT at 248.858.0828 for class registration and availability.

The GIS Utility is working with ESRI to develop an ArcGIS Training Implementation Plan. This plan will provide specific curriculum for County GIS users. Initial county user surveys have been completed and are being turned over to ESRI for development of the draft plan. Diverse methods (county held classes, virtual campus, ESRI taught classes, etc.) are being considered as a part of this plan. As a part of this initiative, the GIS Utility and ESRI will explore opportunities to provide the training curriculum to local CVTs.

- l) Spring 2001 Edition of "GIS Connections" Newsletter will go out in May. Discussion by Erick Phillips?

The GIS Utility will release the Spring 2001 Edition of "GIS Connections" in May. The ArcGIS implementation occurring in the Drain Commissioner's Office will be featured. In addition, GIS work in local CVTs will also be featured.

- m) ArcGIS Overview and ArcView 8.1 Demonstration. Frank Baxter, ESRI.

Frank Baxter and Tom Bushy, ESRI-representatives, provided a hands-on demonstration of the functionality present in ESRI's new ArcGIS product line.

5. County Departmental GIS Initiatives

- a) Planning and Economic Development Services (PEDS).

PEDS is working on the orthorectification of the 1990 historical aerial photography, which will be completed in May of 2001. Woolpert has completed the diapositives and photogrammetric scanning for the 1980 flight year and work will begin immediately following completion of the 1990 photos. An ERDAS representative was onsite in March of 2001 to assist PEDS with several advanced softcopy photogrammetry functions. In addition, the GIS Utility is now working with PEDS to accelerate the orthorectification of the remaining flight years.

The GIS Utility is working with representatives from PEDS, Equalization and the Data Warehouse Team to develop a new kiosk for the "One Stop Shop" Functionality and specifications are now being developed and should be completed in May of 2001.

The GIS Utility has developed an ArcView-based "Map Atlas" Application for use in the "One Stop Shop", Equalization, ROD's Office and Treasurer's Office. Those CVTs wishing to purchase hardcopy map

atlases should contact the "One Stop Shop". A cost for the production of the map atlas will be charged to each community. Local CVTs may also purchase the ArcView application for \$995.00 if they choose to deploy it in their local unit. For more information on the Map Atlas application, please contact Erick Phillips.

Nina Misuraca discussed several other GIS projects currently underway in PEDS. Additional data layers (recreation lands, etc.) are currently being developed. Nina also mentioned that PEDS currently has a GIS/CAD Mapping Technician position open. The job description/requirements can be found on the County's Personnel website.

b) Public Safety / CLEMIS / Emergency Management.

Penny Peters presented the status of the major public safety GIS initiatives. Public Safety Boundary Construction for the computer aided dispatch (CAD) deployment is nearly completed and cleanup is now being done. The GIS Utility has also been working with other "out-county" CLEMIS participants on data preparation and standards.

The GIS Utility has begun preparing additional mapping layers for the CAD System. Additional mapping layers may include orthophotography, fire hydrants, hydrography, etc. A GIS data description has been completed for fire hydrants. PLSS section lines have been added and hydrography will be added once completed as part of the 2000 Orthophotography Project.

The GIS Utility has begun working with the CLEMIS Team in preparation for a GIS Crime Analysis. In February, representatives from The Omega Group met with the GIS Utility and CLEMIS Team to discuss the deployment of the CrimeView product. In addition, testing has been done to assess the quality of the address information in the current CLEMIS records management system. Proper address geocoding will be vital to the long-term success of the crime analysis application.

The GIS Utility has been working with the Sheriff Department's new Aviation Unit on the deployment of a Helicopter Mapping Application. Initial use by the Aviation Unit will involve the translation of GIS data maintained by the GIS Utility to a separate GIS format. The GIS Utility has prepared a series of recommendations for the Aviation Unit and finalized the GIS data formats. GIS data will be transferred to the Aviation Unit's mapping vendor in April of 2001.

The GIS Utility has been working with Emergency Management on the development of an Emergency Siren Management Application. The “look and feel” of the application has been completed and the final application will be completed in April of 2001.

c) Drain Commissioner’s Office.

Scott Oppmann presented the status of the Drain Commissioner’s Office Infrastructure Management GIS (IMGIS) Project. A project team consisting of Woolpert, ESRI, and Baysys/GeoIT was selected via a RFP process to assist in implementation. The Scope of Services and Contract were finalized in mid-January and the Project Kickoff meeting occurred the last week of January.

A Project Participation Document and Website have been finalized. Key individuals in the Drain Commissioner’s Office have been placed on working teams to assist in the development of project. Interested parties should provide contact information to Jenny Shaw of the Drain Commissioner’s Office. Detailed Project updates are being distributed via email to interested parties. The March 2001 Project update is attached for reference.

One major deliverable of the Phase 1 of the Project is the development of ArcGIS Water Data Model. Work on the data model began in March of 2001. Once completed in draft form, the Project Team will hold a meeting with interested CVTs to review the data model. This review will be the impedance for a countywide standard ArcGIS Water Data Model.

Phase 1 of the project includes: a Technology Plan, a Business Process Re-engineering Plan, an ArcGIS Water Data Model, and a Data Conversion Plan. Phase 1 should be completed by July of 2001. Remaining phases include: pilot data automation, full data automation, and GIS application development.

d) Oakland County International Airport.

No report provided.

e) Environmental Health Division.

Steve Gay presented the status of the well data automation project. In March of 2001, the final townships were delivered by the vendor and are currently undergoing quality control. Once each township is completed, a new copy of the well data is placed on the GIS server for access by County departments.

f) Parks and Recreation.

Zayn Gregory presented the status of GIS efforts underway in the Parks department. Parks and Recreation is currently mapping land use in each of the County Parks.

g) Road Commission.

No report provided.

h) Register of Deeds.

Ron Crank presented the status of the Public Land Survey data set. He has completed the core data set and the related database completed. An updated copy of the data set has been placed on the GIS publishing server for access by County departments. Ron also presented the remonumentation work that will be done in 2001. In 2001, centers of section will be started and 25 community centers will be established. The community centers will serve as base stations for surveyors doing GPS work in the County.

Scott Oppmann presented the status of a Geodetic Control Application that is being developed to support the collection and maintenance of the County's geodetic control. The application will be used to access, manage and maintain changes to the geodetic control network in the County, thus allowing for systematic adjustments when Datums or control points change. Currently, the application is being tested by the ROD's Office and final application edits should be completed in Spring of 2001.

i) Equalization.

Phil Bertolini presented the status the Digital Photography (DigiPics) Project. Meetings are currently underway with those communities participating in the 2001 program. Student hirings are also underway. The City of Troy will be the first CVT where photos will be taken.

Gary Pawlowski presented the status of the BS&A Interface Project. Currently, the Land Team is working with BS&A and testing the interface from Equalizer to the County's land system. Once completed (June 2001), local CVTs using Equalizer will be able to electronically send updates to IT for inclusion in the land system and subsequently @ccess Oakland.

Ryan Runnels presented the status of Equalization's Field Collection Prototype. Ryan has begun working, through a job share arrangement with the GIS Utility, on the development of a field appraisal application that includes digital sketching. As a part of the project, field collection devices and digital sketching applications will be evaluated and once deemed appropriate, selected for use with the field appraisal prototype. In addition, a GIS-based field appraisal application prototype will be developed and evaluated by Equalization. To date, digital sketching packages have been reviewed and short-listed. Demonstrations will occur in April of 2001. Field collection device evaluation will begin in April of 2001 and be completed in June 2001.

j) Facilities Management.

Anita Campbell presented the status of a "County Owned" Property Database Project. The GIS Utility is working with Mike Hughson of Facilities Management to identify parcels of property owned by Oakland County. More details will be discussed, as the County gets closer to deployment.

k) Other County Department GIS Projects.

None presented.

6. GIS Professional Service Blanket Purchasing Program. Discussion by Scott Oppmann?

Thirteen vendors are currently participating in GIS Professional Service Blanket Purchasing Program. As part of the program, GIS Utility is "seed funding" 20%, capped at \$10,000, of the local CVT's GIS project cost. A website has been developed to host project documents. Projects underway include:

Dan Michalec from the City of Troy presented the status of their planimetric project. The pilot project has been delivered and accepted by the City. Final delivery of the citywide planimetric data will occur in April of 2001.

No report on Bloomfield Township's Needs Assessment, Implementation Plan and Planimetrics Project was provided.

No report was provided on the CitySight Kiosk Application.

A Bid for a GIS Implementation Plan, on behalf of the City of Pontiac, was distributed to GIS vendors in the Project Management Service in late March. Responses are due back on April 6, 2001.

Two other communities are currently developing projects under the Blanket Purchasing Program: Madison Heights and Birmingham.

7. GIS Data Projects.

Scott Oppmann presented the status of parcel maintenance and distribution. The GIS Utility has completed maintenance and improvements that have accrued over the last 60-90 days. Updates to current parcel data were distributed to CVTs on March 28, 2001. In addition to the parcel and data warehouse information, road centerline / address range data was included. In the future, the PLSS will also be included on the quarterly updates. CVTs and other parcel data users should continue to submit errors and/or omissions because this is used to improve the quality and content of all GIS data. Throughout the year, modifications to the parcel data model will be made in support of geodatabase migration. The 2001 GIS data distribution schedule has been established and is as follows: March 30, 2001, June 29, 2001, September 28, 2001, and December 28, 2001.

Greg Galligan presented the status of the road centerline / address range maintenance and distribution. The GIS Utility is completing maintenance and improvements submitted by the CLEMIS community. CVTs and other road centerline data users should continue to submit errors and/or omissions. GIS Utility continues to improve the quality and content of road centerline data as maintenance occurs. CVTs and other road centerline / address range data users should continue to submit errors and/or omissions because this is used to improve the quality and content of the data.

Anita Campbell presented the status of the digital orthophotography project. The final delivery area was received in March of 2001. Quality assurance on the black & white orthophotography has been completed and final edits should be done in mid April. The color IR orthophotography was also delivered in March of 2001. Quality assurance will be completed in April of 2001. Other deliverables (Mr.

SID images, hydrography, DTM, etc.) will follow the orthophotography. Distribution to CVTs on CDROM has begun. One copy of the orthophotography is being provided prior to the completion of OakNet.

8. CVT GIS Presentation. Alex Bellak, GIS Manager, City of Troy.

Alex Bellak, GIS Manager for City of Troy, presented the status of City's GIS Program. He discussed major GIS initiatives going on at the City, the issues encountered during their implementation and how the City is currently using GIS data provided by the GIS Utility.

Richard Mangus, GIS Manager for the City of Madison Heights, will present at the next GIS Steering Committee meeting.

9. Other Information Technology Matters.

Dale Kukla presented a brief status of the data warehouse and @ccess Oakland projects. In the data warehouse area, enhancements are nearly complete that incorporate changes to the source system for the Personal Property area of the Land subject area. Business Objects and Web Intelligence deployment and training continues in new areas (Fiscal Services, Treasurer's Office, etc.). In the @ccess Oakland area, the Commercial and Industrial Property Profile has been developed and will be deployed in April of 2001.

Dale Kukla also presented a brief status of the Address Management Program. Dan Parr, of Dan Parr and Associates, has been conducting facilitated discussions with IT and county department representatives to increase awareness and understanding of the need for address standards. Meetings with CVT representatives will occur in late April and early May of 2001. At the same time, a project website is being developed and research on existing standards is being conducted.

10. Other matters of CVT interest?

None presented.

11. Other matters to come before the GIS Steering Committee Meeting?

None presented.

SUMMARY OF GIS RELATED PROJECTS thru 1/5/2001

	<u>Budget</u>	<u>Contracted but Unpaid</u>	<u>Paid to Date</u>	<u>Uncommitted Balance</u>
Base Map Conversion - Equalization				
Software	\$122,947		\$146,727	(\$23,780)
Hardware	193,016		180,800	12,216
Technical Support	16,492		34,831	(18,339)
Training	39,500		13,000	26,500
Consulting	303,945		271,082	32,863
Copies of plats and recorded surveys (Waterford Twp. Conversion)			180	-180
	\$675,900		\$646,619	\$29,281
Establishing Center of Section Points	23,800		23,800	
	\$23,800		\$23,800	\$0
Information Technology Costs	\$72,500		\$56,737	\$15,763
Base Map Conversion - Beam Longest and Neff	3,099,520	85,656	2,664,344	349,520
Micrographics - 18x24 copier		0	448	(448)
1997 Digital Ortho Photography (Includes related supplies)			102,860	(102,860)
	\$3,099,520	\$85,656	\$2,767,652	\$246,212
GIS Implementation:				
Plangraphics/Fairview Industries:				
- Needs Assessment	174,000		56,790	
- Vendor Selection			16,452	
- Detailed Conceptual Design			13,836	
- Institutional Analysis and Organizational Structure			8,329	
- Arc Librarian and SDE Setup			37,138	
- Parcel Management Application Development			12,338	
- GIS Implementation			248,720	
Application Development	100,000		93,450	
Consulting Services	167,000		10,307	
Spring 2000 Orthophotos	1,900,000	910,461	989,312	
Historical Aerial Scanning	148,000		69,681	
	\$2,489,000	\$910,461	\$1,556,353	\$22,186
GIS Hardware, Software, Training and Maintenance Costs	1,272,612	50,705	1,041,613	180,294
ARC Product Training Classes		3,500	61,435 *	
Depreciation	100,368		14,877	85,491
Total Base Map Conversion and GIS Implementation	\$7,733,700	\$1,046,822	\$6,107,652 *	\$579,227
Accelerated Remonumentation	2,048,468			
- Earth Tech			14,450	
- Giffels Webster			30,900	
- Grant Ward			176,000	
- JCK & Associates			692,875	
- Kennedy Surveying			204,475	
- Kieft Engineering			236,600	
- R. J. McCoy Company			176,900	
- Wade Trim			426,600	
- Peer Group Meetings			22,625	
- GPS of Section Corners and Center of Sections			15,300	
- Core Drill for monument boxes - Waterford			1,617	
- Supplies			45,737	
- Micrographics			4,389	
Total Remonumentation	\$2,048,468		\$2,048,468	\$0
Professional Services	\$44,860			
GIS Conferences			\$959	
Travel and Conference			\$1,171	

Infrastructure Management GIS Progress Report Oakland County Drain Commissioner

Date Written: March 6, 2001

Order Number:	58763	Progress Report Number:	2
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From:	To:	Submitted by:	Project Phase
February 11, 2001	March 9, 2001	John Przybyla	Technology Plan (1)

Work Completed this Period:

Tasks 1 and 2: Technology Analysis and Business Process Reengineering:
Step 1: Project Plan: Completed.

Step 2: Develop Technology Plan: Subtasks 1,2 and 3 are 100% complete, and all deliverables for this step are posted on the project web site. The deliverables will be reviewed the week of March 12.

Summary of Tasks 1 and 2: 28% Complete

Task 3: Database Design and Review

Step 1: Inventory Data: Subtasks 1 and 2 are 100% complete, and all deliverables for this step are posted on the project web site. The deliverables will be reviewed the week of March 12.

Summary of Task 3: 15% Complete

Task 4: Data Conversion and Automation Plan

Step 1: Review Source Material: This task has begun through a review of the source inventory materials.

Summary of Task 4: 5% Complete

Work Proposed for next Period:

Tasks 1 and 2: Technology Analysis and Business Process Reengineering:

Step 2: Develop Technology Plan: Subtask 4 will be completed.

Step 3: Determine Strategic Business Objectives: Subtasks 1 and 2 will be performed.

Task 3: Database Design and Review

Step 1: Inventory Data: Subtasks 3 and 4 will be performed.

Step 2: Database Design: Subtask 1 will begin.

Task 4: Data Conversion and Automation Plan

Step 1: Review Source Material: This task will be performed.

Infrastructure Management GIS Progress Report (cont'd) Oakland County Drain Commissioner

Step 2: Develop Conversion Plan: This task will begin.

Meetings Scheduled:

March 12, 1 pm to 4 pm: Review of Draft Inventory Document

March 13, 9 am to 12 noon: Review of Draft Technology Plan

March 13, 3 pm to 5 pm: Meeting with County IT staff

March 14, 9 am to 5 pm: Business objective workshops (1-2 hours each)

Items to be Addressed:

No known items.