

MINUTES - GIS STEERING COMMITTEE MEETING – SEPTEMBER 21, 2001
OAKLAND COUNTY, MICHIGAN

1. Introductions and public comment?

Over 40 representatives from local CVTs, County departments and the private sector attended the September 21, 2001 meeting.

2. Approval of the minutes from July 20, 2001 meeting.

Minutes approved without discussion or clarification. Please note, copies of the minutes will be posted on the web immediately following the meeting and then mailed with agendas for the next meeting.

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

- a) January 12, 2001
- b) March 16, 2001
- c) May 25, 2001
- d) July 20, 2001
- e) September 21, 2001
- f) November 16, 2001: **Next meeting date.**

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?

Testing and migration of Oakland County parcel data continues by ESRI. Drafts of the data model can be found on ESRI ArcOnline.

- c) Census discussions – Participation in Geography Division’s Benchmark Program. Discussion by Scott Oppmann?

The GIS Utility met with Booz-Allen representatives (Census Bureau Consultants) in July of 2001. The Benchmark Study was commissioned by the Census Bureau to investigate how local GIS data can be integrated into TIGER data. The results of these interviews will be incorporated into the Census Benchmark Study and distributed to Oakland County once completed.

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

In September of 2001, a grant amendment was prepared to expand the scope of the grant to cover remaining sections of the City not currently in the digital storm sewer inventory. The grant work will be completed in December of 2001.

e) SEMCOG's GIS Regional Committee – Meeting held on September 13, 2001. Report from SEMCOG Representative?

Ann Vanslebrouck discussed the events that occurred at the September 13, 2001 SEMCOG GIS Regional Committee meeting. A watershed modeling workshop is being held on September 25, 2001 at 9:00 am.

f) CVT Demonstrations.

No recent demonstrations held.

g) GIS Conferences and Events.

A 2001 ESRI User Conference Recap was held on August 18, 2001 by ESRI-Minneapolis Office. Further educational sessions will be facilitated with ESRI. Topics will include: Geodatabases, and ArcIMS.

The 2001 URISA Conference will be held on October 20-24, 2001 in Long Beach, CA.

GIS Day is November 14, 2001. The GIS Utility is sponsoring a map gallery. CVTs are encouraged to submit maps for display at Oakland County's Executive Office Building and at Cranbrook Institute of Science. Those wishing to participate should contact Penny Peters at petersp@co.oakland.mi.us.

The 2002 Imagin Conference will be held on April 29 – May 1, 2002 at Grand Traverse. The Call for Papers is due October 15, 2001. Visit www.imagin.org for more information.

h) ArcGIS Migration Plan and ArcGIS 8.1 Implementation. Discussion by Scott Oppmann?

Upon arrival of the County's new Dell workstations, the GIS Utility will begin deploying ArcGIS 8.1 to GIS users within the County. The GIS Utility has been testing ArcGIS 8.1 on existing GIS workstations.

ArcSDE 8.1 has been deployed in a development and test environment. Representatives from the GIS Utility are now putting together the final plans for production use of ArcSDE 8.1 with SQLServer 2000. ArcSDE 8.1 will be deployed by the end of the calendar year.

ArcIMS 3.1 development and testing has begun. During this testing, the GIS Utility must integrate the ArcIMS server into the County's new Websphere environment. A thin-client application for County GIS data browsers will be the first application developed by the GIS Utility.

The GIS Utility discussed the County's ArcView 8.1 upgrade policy. The policy was distributed to each CVT in August of 2001. Each community will be provided one copy of ArcView 8.1 upon request at no cost.

A draft of the ArcGIS Training Implementation Plan has been submitted by ESRI. ESRI is now responding to the GIS Utility's comments and another draft will be submitted in October.

- i) 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.

- j) Additional GIS Resources. Discussion by Scott Oppmann?

Interviews continue for the three new positions in the GIS Utility. The positions include: IT Project Manager-GIS, AAP III-GIS, and USS II-GIS. The USS II-GIS will probably be the first position filled.

5. County Departmental GIS Initiatives

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

The 1990 historical orthophotography flight is completed and the data is accessible via the GIS publishing server. The 1980 flight is more than 50% complete and Woolpert is completing the diapositives and photogrammetric scanning for the 1974 flight year currently. Scanning for the 1963 flight year will begin later in 2001. All four flight years should be completed by the summer of 2002.

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". The new kiosk is called "OakMap". The functionality has been drafted and is being reviewed by ESRI. In addition to the "OakMap" application, Erick Phillips has been working with the "One Stop Shop" on the distribution of map atlas books from GIS parcel data. To order a map atlas, contact the "One Stop Shop".

Nina Misuraca discussed several other GIS projects currently underway in PEDS. Additional data layers (Environmental Features, Bike Paths) are being developed. A Composite Master Plan coverage is underway as well.

Nina Misuraca also discussed the remote sensing pilot being developed by PEDS. A work group has been established and the group is now gathering information related to remote sensing techniques. A proposal has been solicited from Pacific-Meridian. ERDAS is preparing a demonstration project as well.

Nina Misuraca also discussed a collaborative project sponsored by PEDS, the GIS Utility, and Cranbrook Institute of Science. The goal of the Oakland County Natural History Educational Partnership is to establish a model local geographic information system (GIS) education program that studies the unique natural history of Oakland County and advances science and technology K-12 education and literacy. The first deliverable will be a map of Oakland County's subsurface geology and associated educational exercises for K-12 students.

- b) CLEMIS & Fire Records Management System (FRMS). Discussion by Penny Peters?

Penny Peters presented the status of the major public safety GIS initiatives. Public Safety Boundary construction for the computer aided dispatch (CAD) deployment is complete. Road centerline cleanup continues and boundary adjustments are being made at the request of the communities. The GIS Utility has also been working with other "out-county" CLEMIS participants on data preparation and standards. Washtenaw County has expressed interest in joining CLEMIS and work has begun to identify appropriate sources of GIS data for a CAD implementation.

The GIS Utility has incorporated additional mapping layers for the CAD System. Fire hydrants were added where available.

The GIS Utility has worked with the CLEMIS Team to develop a CrimeView Implementation Plan. The Plan is available on the GIS

Utility's website. In addition, a scope of work has been finalized with The Omega Group, and a contract is now being signed for the CrimeView implementation. More information will be provided at the November 2001 GIS Steering Committee Meeting.

The GIS Utility has worked with the Sheriff's Department Aviation Unit to deploy an airborne mapping system in the County's new helicopters. This application was installed in August of 2001.

c) Emergency Management.

Lynn Hensel presented the status of the Emergency Management's new Severe Weather Application. DTN-Kavourus has been selected by a group of representatives from IT and Emergency Management. Implementation will begin as soon as the County's new Dell workstations arrive.

d) Drain Commissioner's Office.

Scott Oppmann presented the status of the Drain Commissioner's Office Infrastructure Management GIS (IMGIS) Project. Detailed Project updates are being distributed via email to interested parties and posted on the Project Website.

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. Completion of Phase 1 will occur in the Fall/Winter of 2001. Remaining phases include: pilot data automation, full data automation, and GIS application development.

One major deliverable of the Phase 1 of the Project is the development of ArcGIS Water Data Model. 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 foundation for a countywide standard ArcGIS Water Data Model.

e) Oakland County International Airport.

No report provided.

f) Environmental Health Division.

Steve Gay presented the status of GIS initiatives in the Environmental Health Division. Recently, Environmental Health representatives have

worked with MDEQ representatives on the deployment of the new Well Logic system. This statewide well log system will integrate with the County's new E-Health initiative.

Health representatives also recently used GIS to track mosquito sampling efforts during the West Nile Virus investigation. In addition, public health nurses are also beginning to use GIS to assist in the County's school nursing program.

g) Parks and Recreation.

Zayn Gregory presented the status of GIS initiatives at Parks and Recreation. Currently, GIS is being used to identify and plan for new County park locations. Parks and Recreation is working directly with PEDS on this initiative.

h) Road Commission.

Bob Slattery presented the status of GIS initiatives at the Road Commission. The Road Commission is completing work on a GIS Implementation Plan. In addition, the Road Commission now has direct access to the County's GIS publishing server.

The Road Commission is also investigating the use of GPS for field collection. A demonstration is being held on September 27, 2001 at Information Technology in Room 126.

i) Register of Deeds.

No report provided.

j) Equalization.

No report provided.

k) Treasurer's Office.

Penny Peters presented the status of GIS initiatives in the Treasurer's Office. The Treasurer's Office is currently using GIS technology to assist in the location of delinquent tax parcels.

l) Other County Department GIS Projects.

No report provided.

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:

The City of Troy's Planimetric Compilation Project has been completed.

Bloomfield Township's Needs Assessment & Implementation Plan and Planimetric Compilation Project have been put on hold at request of Township Representative.

Erick Phillips presented the status of the CitySight Kiosk Application. Approximately seven CVTs are currently using the CitySight Kiosk.

Scott Oppmann presented the status of the City of Pontiac's GIS Implementation Plan. The City of Pontiac's GIS Implementation Plan has been started by Woolpert LLP. Initial interviews occurred in August of 2001. A final draft of the plan will be completed in winter of 2001.

Tara Holmes presented the status of the City of Birmingham's Planimetric Project. The City of Birmingham's Planimetric Compilation Project is underway. The pilot project area is currently under development. The Compilation Project will be completed during the first quarter of 2002.

The GIS Utility distributed a RFP for the collection of hydrant locations using GPS technology. This RFP was distributed on behalf of fire departments that participate in the Fire Records Management System (FRMS). Final costs have been gathered and are awaiting action by FRMS representatives.

7. GIS Data Projects.

- a) Parcel Automation, Maintenance and Distribution. Discussion by Anita Campbell or Cathy Appleton?

Anita Campbell presented the status of parcel maintenance and distribution. The GIS Utility has been completing maintenance and improvements on a daily basis. The next parcel data update will be

distributed to CVTs on or around September 28, 2001. In addition to the parcel and data warehouse information, road centerline / address range data and the PLSS will be included. 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. The remaining GIS data distribution dates for 2001 are: September 28, 2001, and December 28, 2001.

A draft of the new parcel data model has been completed and is under review by Equalization, ROD's Office and the GIS Utility. A test dataset is under development and will be demonstrated at the November 2001 GIS Steering Committee Meeting. Once the test dataset is completed, the revised parcel data model will be distributed for review.

In addition to the changes made to the parcel data model, a new CVT and School District Boundary coverage are being created. These coverages will now be maintained independent of the parcel data and updated semi-annually.

- b) Road Centerline / Address Range Automation, Maintenance and Distribution. Discussion by Anita Campbell?

Anita Campbell presented the status of the road centerline / address range maintenance and distribution. The GIS Utility has been completing maintenance and improvements on a daily basis. CVTs and other road centerline data users should continue to submit errors and/or omissions. The GIS Utility has been working actively with the CLEMIS Team to improve the quality and content of road centerline data as maintenance occurs.

A draft of the new road centerline data model is being developed for review. Once completed, a test dataset will be developed and demonstrated to the GIS Steering Committee. Once the test dataset is completed, the revised road centerline data model will be distributed for review.

- c) Digital Orthophotography. Discussion by Anita Campbell?

Anita Campbell presented the status of the digital orthophotography project. Quality assurance on all black & white and color IR orthophotography deliverables has been completed. The only outstanding deliverable from the Project is the countywide hydrography dataset. The quality assurance on this dataset should be

completed by mid October of 2001. Those CVTs that have not received one copy of the orthophotography should contact Anita Campbell.

- d) FEMA Flood Insurance Rate Map (FIRM) Update. Discussion by Scott Oppmann or Anita Campbell?

Anita Campbell presented the status of the FIRM Update Project. Representatives from the GIS Utility met with representatives from FEMA Region 5 to discuss updating the Oakland County FIRM maps. As a part of this project, topography and hydrography, information from the County's 2000 orthophotography project will be used as a basis for the mapping project. More information will be provided in early 2002.

- e) Other GIS Data Layers Under Development.

Anita Campbell presented the status of several new GIS datasets under development. Those datasets include: Government Buildings, School Buildings, Railroads, New Commissioner District Boundaries, 2000 Census Tracts and Blocks, and Voting Precinct Boundaries. Once completed, the data models will be published on the GIS Utility's website.

- 8. Other Information Technology Matters.

Ed Sager presented a status of the data warehouse and @ccess Oakland projects. A summary is attached for review.

- 9. Other matters of CVT interest?

None presented.

- 10. Other matters to come before the GIS Steering Committee Meeting.

None presented.

SUMMARY OF GIS RELATED PROJECTS thru 9/20/2001				
	Budget	Contracted but Unpaid	Paid to Date	Uncommitted Balance
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	2,762,456		2,651,376	111,080
Micrographics - 18x24 copier			448	(448)
1997 Digital Ortho Photography (Includes related supplies)			102,860	(102,860)
	\$2,762,456	\$0	\$2,754,683	\$7,773
GIS Implementation:				
Plangraphics/Fairview Industries:				
- Needs Assessment	192,000		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			243,420	
Application Development	437,064		63,210	
Consulting Services	167,000		117,903	
Spring 2000 Orthophotos	1,900,000	460,346	1,439,427	
Historical Aerial Scanning	148,000		125,139	
	\$2,844,064	\$460,346	\$2,133,982	\$249,736
GIS Hardware, Software, Training and Maintenance Costs	1,272,612	(6,931)	1,099,249	180,294
ARC Product Training Classes			61,435 *	
Depreciation	100,368		14,877	85,491
Total Base Map Conversion and GIS Implementation	\$7,751,700	\$453,415	\$6,729,947 *	\$568,338
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	
	\$44,860	\$0	\$2,130	\$42,730
Total Project Costs	\$9,845,028	\$453,415	\$8,780,546	\$611,067

*For information only; cost of training paid by Information Technology Inservice Training; amounts are not included in total costs.

Memo

To: Scott Oppmann
From: Ed Sager – Supervisor, Data Warehouse/Access Oakland
CC: Bob Daddow
Phil Bertolini
Dale Kukla
Date: 10/02/01
Re: Status Report

Data Warehouse

1. Enhancements have been completed to incorporate changes to the source system for the Tax Table, Special Assessments in the Land subject area.
2. Modifications to programs and tables have been made to accommodate new format for County Business Patters data in the PEDS subject area.
3. Process to provide Fiscal Services ability to create controllable expenses reporting via Business Objects is being moved to production.
4. Project is under way to create new Tax Receivables subject area.
5. Testing of latest version of Oracle and UNIX is underway.
6. Project is underway to create new tables in Land subject area to provide for Equalization sampling data.
7. Project to provide CLEMIS agencies ability to create incident reporting via Business Objects is being prototyped.

@ccess Oakland

1. Current Tax Profile has been modified to allow for larger special assessment field.
2. Two new reports are available via the ROD Recorded Document profile.
3. Modifications have been made to allow for credit card purchase of new ROD reports.
4. Modifications have been made to allow for sharing of revenues generated by new ROD reports.
5. Modifications have been made to prevent public terminals from viewing information for parcels outside its home CVT.
6. New Map Atlas Viewer product is under development.
7. Report of revenues generated attached.

Training

1. 13 more students from IT, Auditing and Fiscal Services have received on-site training in Business Objects is being compiled.

Total Access Oakland Revenues

as of 9/30/2001

	Commercial & Industrial Property Profile	Current Tax Profile	Delinquent Tax Statements	Mortgage Application Acceleration Program	RDP2 - Search Transaction	RDP3 - Document View	Residentia I Property Analyzer	Residentia I Property Profile	Sum:
January	\$0.00	\$4,535.00	\$16,740.00	\$220.00	\$6,479.50	\$303.25	\$240.00	\$1,953.50	\$30,471.25
February	\$0.00	\$3,475.00	\$16,771.50	\$480.00	\$6,237.50	\$356.50	\$20.00	\$1,881.50	\$29,222.00
March	\$0.00	\$2,130.00	\$20,618.50	\$360.00	\$7,827.50	\$294.25	\$40.00	\$2,336.50	\$33,606.75
April	\$125.00	\$3,492.50	\$18,997.50	\$340.00	\$747.00	\$33.75	\$160.00	\$2,147.00	\$26,042.75
May	\$340.00	\$4,047.50	\$17,851.00	\$580.00	\$6,278.50	\$294.75	\$160.00	\$2,139.50	\$31,691.25
June	\$367.50	\$3,687.50	\$16,361.00	\$360.00	\$8,756.00	\$371.75	\$140.00	\$2,309.00	\$32,352.75
July	\$205.00	\$4,490.00	\$14,693.00	\$400.00	\$10,026.00	\$370.25	\$0.00	\$2,460.50	\$32,644.75
August	\$470.00	\$4,195.00	\$16,621.50	\$560.00	\$11,585.50	\$579.00	\$80.00	\$2,972.00	\$37,063.00
September	\$387.50	\$2,410.00	\$9,093.50	\$160.00	\$174.00	\$0.00	\$80.00	\$1,966.50	\$14,271.50
October	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
November	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
December	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sum:	\$1,895.00	\$32,462.50	\$147,747.50	\$3,460.00	\$58,111.50	\$2,603.50	\$920.00	\$20,166.00	\$267,366.00
Q1 Average	\$0.00	\$3,380.00	\$18,043.33	\$353.33	\$6,848.17	\$318.00	\$100.00	\$2,057.17	\$31,100.00
Q2 Average	\$277.50	\$3,742.50	\$17,736.50	\$426.67	\$5,260.50	\$233.42	\$153.33	\$2,198.50	\$30,028.92
Q3 Average	\$354.17	\$3,698.33	\$13,469.33	\$373.33	\$7,261.83	\$316.42	\$53.33	\$2,466.33	\$27,993.08
Q4 Average	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
YTD Average	\$210.56	\$3,606.94	\$16,416.39	\$384.44	\$6,456.83	\$289.28	\$102.22	\$2,240.67	\$29,707.33