

MILWAUKEE COUNTY AUTOMATED MAPPING  
AND LAND INFORMATION SYSTEM

Sixty-fifth Steering Committee Meeting

AGENDA

DATE: Tuesday, November 1st

TIME: 9:00 a.m.

PLACE: Milwaukee County City Campus  
2711 W. Wells Street  
Room 349  
Milwaukee, Wisconsin

I. Roll Call

II. Meeting Minutes

Consideration of the minutes of the 64<sup>th</sup> Steering Committee meeting held May 18, 2005.

III. Reports

*POF*

A. Report by MCAMLIS project staff on the status of street address and cadastral map maintenance.

*POF*

B. Report by MCAMLIS project staff on the status of the Cadastral Database Migration project.

*POF*

C. Report by SEWRPC staff on the status of MCAMLIS Topographic Mapping project.

*POF*

D. Report by SEWRPC staff on the status of SEWRPC Regional Water Study.

*need completed dates*

*<*

E. Report by SEWRPC staff on the status of MCAMLIS Flood Land Mapping project.

*POF*

F. Report by WE Energies staff on the status of the Digger's Hotline prototype study (copy to be distributed at meeting).

*POF*

G. Report by Milwaukee County DAS staff on MCAMLIS Budget (copy to be distributed at meeting).

IV. Old Business

Consideration of a improvement plan by Milwaukee County Register of Deeds to utilize \$1 recording fees.

V. New Business

*app.* A. Consideration of a 2006 agreement for MCAMLIS project management and map maintenance services between MCAMLIS and Milwaukee County DPPI.

*app.* B. Consideration of a 2006 agreement for MCAMLIS fiscal oversight between MCAMLIS and Milwaukee County DAS (copy to be distributed at meeting).

*app.* C. Consideration of a 2006 County Surveyor agreement between MCAMLIS and SEWRPC.

*presentation at next meeting* D. Consideration of possible MCAMLIS funding for purchase of county-wide license of Pictometry's oblique aerial photography.

E. Consideration of cost share proposal between MCAMLIS and United States Geological Survey (USGS) (copy to be distributed at meeting).

*app.* F. Discussion of the procedure to be followed for distribution of the 2005 digital orthophotography acquired through the Topographic Mapping Project.

*staff prepare procedure to follow*

*members are Bennett High Place* G. Consideration of a proposal by City of Milwaukee for map maintenance services of MCAMLIS cadastral data holdings residing within the city limits.

*staff prepare a contract for next meeting*

H. The appointment of a nominating committee to recommend a slate of officers to the Steering Committee at its next regular meeting

VII. Correspondence *none.*

VIII. Date, time, and place of next meeting

*11/10/06*

*9:00 am*

IX. Adjournment

*(\*) DAS. next meeting needs a recommendations on balance of funds -*

**MILWAUKEE COUNTY AUTOMATED MAPPING  
AND LAND INFORMATION SYSTEM**

Sixty-fourth Steering Committee Meeting  
Wednesday, May 18<sup>th</sup> - 9:00 a.m.  
Franklin City Hall, Common Council Chambers

**MINUTES**

This meeting was recorded on tape. Committee files contain copies of communication, reports and resolutions, which may be reviewed upon request to the MCAMLIS Project Manager.

**64<sup>th</sup> Meeting Tape No. 1: Side A: 01-End of Tape**

**64<sup>th</sup> Meeting Tape No. 1: Side B: 01-End of Tape**

**64<sup>th</sup> Meeting Tape No. 2: Side A: 01-End of Tape**

**64<sup>th</sup> Meeting Tape No. 2: Side B: 01-65**

**PRESENT:** Chairman Bauer, Mr. La Fave, Mr. High, Ms. Van Dunk (Milwaukee County), Mr. Anderson (SBC), Mr. Bennett (ICC), Ms. Olson (City of Milwaukee), Mr. Nehmer (MMSD), Mr. Place (We Energies)

**ABSENT:** Mr. Coe (WE Energies)

SCHEDULED ITEMS:

**Meeting Minutes**

Consideration of the minutes of the 63<sup>rd</sup> Steering Committee meeting held December 14, 2003.

**ACTION: Motion by Mr. Bennett to approve the minutes as submitted.**

**Motion was seconded by Mr. High. Vote 8-0**

**AYES:** La Fave, High, Van Dunk, Anderson, Bennett, Olson, Nehmer, Place

**NOES:** None

**Special Order of Business**

Acknowledgement of Mr. Thomas D. Patterson's 14 Years Service as Project Manager of the MCAMLIS Program and as the Secretary of the MCAMLIS Steering Committee.

**ACTION: Chairman Bauer presented Mr. Patterson with a plaque acknowledging his 14 years of outstanding service as MCAMLIS Project Manager.**

## Reports

- A. Report by MCAMLIS project staff on the status of street address and cadastral map maintenance.

**ACTION: Consensus of the Committee to place the report on file.**

- B. Report by SEWRPC staff on the status of City of Milwaukee Map Transformation Project.

**Discussion:** Chairman Bauer expressed his appreciation on behalf of the MCAMLIS Steering Committee for the hard work undertaken by Ms. Olson and the City of Milwaukee engineering staff in regards to this conversion project.

**ACTION: Consensus of the Committee to place the report on file.**

- C. Report by SEWRPC staff on the status of 2005 MCAMLIS Topographic Mapping project.

**ACTION: Motion by Mr. La Fave to authorize SEWRPC staff to revise payment schedule to increase the frequency of invoices. Motion was seconded by Mr. High. Vote 8-0**

**AYES:** La Fave, High, Van Dunk, Anderson, Bennett, Olson, Nehmer, Place

**NOES:** None

**ADDITIONAL ACTION: Motion by Mr. Bennett to authorize MCAMLIS Staff to enter into negotiations between USGS and SEWRPC to obtain grants money in payment for the USGS use of MCAMLIS digital orthophotography. The motion is based on the condition that no additional MCAMLIS funds are to be expended. Motion was seconded by Mr. La Fave. Vote 8-0**

**AYES:** La Fave, High, Van Dunk, Anderson, Bennett, Olson, Nehmer, Place

**NOES:** None

**ADDITIONAL ACTION: Consensus of the Committee to place the report on file.**

- D. Report by SEWRPC staff on the status of SEWRPC Regional Water Study.

**ACTION: Consensus of the Committee to place the report on file.**

- E. Report by SEWRPC staff on the status of MCAMLIS Flood Plan Mapping project.

**ACTION: Consensus of the Committee to place the report on file.**

- F. Report by SEWRPC staff on 2004 County Surveyor's activities.

**ACTION: Consensus of the Committee to place the report on file.**

- G. Report by WE Energies staff on the status of the Digger's Hotline prototype study (copy to be distributed at meeting).

**ACTION: Consensus of the Committee to place the report on file.**

- H. Report by Milwaukee County DAS staff on MCAMLIS Budget (copy to be distributed at meeting).

**Discussion:** Ms. Olson requested that the minutes reflect that in her interpretation of the State Statute governing the use of the \$1 recording fee, it does not specifically state that the money must only be used by the County Register of Deeds Office.

**ACTION: Consensus of the Committee to place the report on file.**

- I. Milwaukee County Corporation Counsel's report to the Committee on Judiciary, Safety and General Services on a review of the MCAMLIS Cooperative Agreement (**INFORMATIONAL ONLY**).

**ACTION: Consensus of the Committee to place the report on file.**

### Old Business

Consideration of a proposal for the Migration of MCAMLIS Cadastral data into geodatabase environment.

**ACTION: Motion by Mr. High to approve the proposal. Motion was seconded by Mr. La Fave. Vote 8-0**

**AYES:** La Fave, High, Van Dunk, Anderson, Bennett, Olson, Nehmer, Place

**NOES:** None

### New Business

- F. Consideration of proposals by Milwaukee County Register of Deeds to utilize \$1 recording fees for imaging/indexing and disaster recovery projects.

**ACTION: Motion by Mr. La Fave authorizing the Register of Deeds Office to spend up to \$50,000 for a A-Card scanning project. Motion was seconded by Mr. High. Vote 7-1**

**AYES: La Fave, High, Van Dunk, Anderson, Bennett, Nehmer, Place**

**NOES: Olson**

**ADDITIONAL ACTION: Motion by Mr. La Fave authorizing the Register of Deeds Office to spend up to \$175,000 to purchase Fidler Disaster Recovery service for a period of 5 years, with a cost not to exceed \$60,000 for fiscal year 2005. Motion was seconded by Mr. High. Roll Call Vote 5-3**

**AYES: La Fave, High, Van Dunk, Anderson, Bennett**

**NOES: Olson, Nehmer, Place**

**ADDITIONAL ACTION: Consensus of the Committee to place the ROD project status report on file.**

- G. Consideration of a modified License Agreement between MCAMLIS and United States Census Bureau.

**ACTION: Motion by Mr. Bennett to authorize MCAMLIS Staff to enter into a modified License Agreement with US Census Bureau for use of MCAMLIS Street Address Data. Motion was seconded by Ms. Olson. Vote 8-0**

**AYES: La Fave, High, Van Dunk, Anderson, Bennett, Olson, Nehmer, Place**

**NOES: None**

- H. Consideration of the elimination of the MCAMLIS License Agreement.

**ACTION: Consensus of the Committee to allow MCAMLIS Staff and County Corporation Counsel to continue discuss with SBC the issue of the copyright agreement.**

- I. Request for a proposed Register of Deeds improvement plan utilizing the \$1 recording fee.

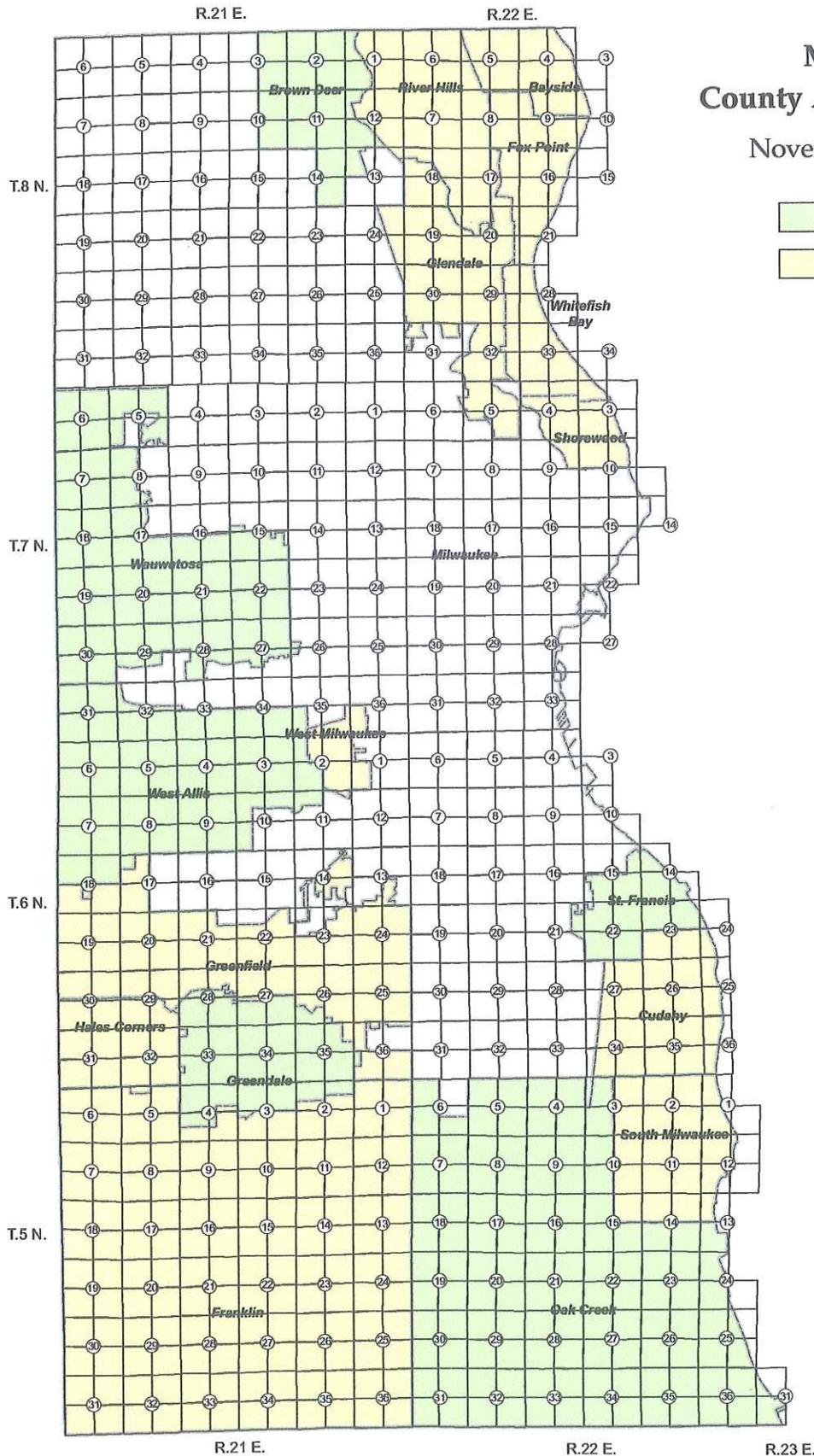
**ACTION: Consensus of the Committee to have MCAMLIS staff work with Register of Deeds on improvement plan and report back at next meeting.**

**Date, time, and place of next meeting**

**ACTION: Consensus of the Committee that the next meeting should be scheduled at the call of the Chairman.**

**Adjournment**

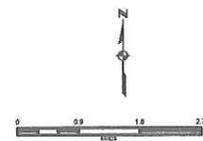
**ACTION: Motion by Mr. La Fave to adjourn. Motion was seconded by Mr. High.**



# MCAMLIS County Address Database

November 2005 Status

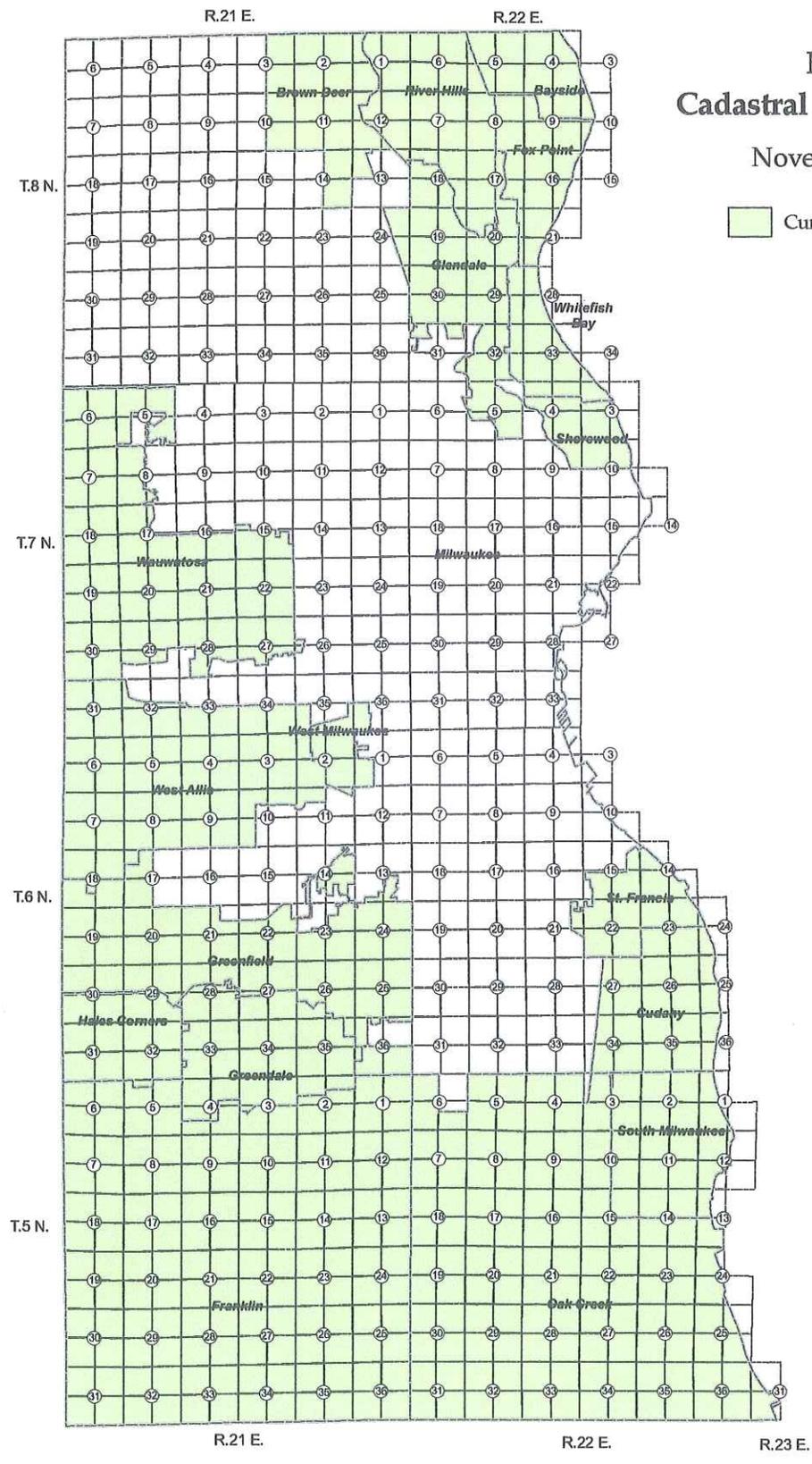
- October 1, 2005 *MONTHLY*
- January 1, 2005 *YEARLY*



Source: MCAMLIS Project Manager

# MCAMLIS Cadastral Maintenance Status November 2005 Status

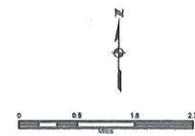
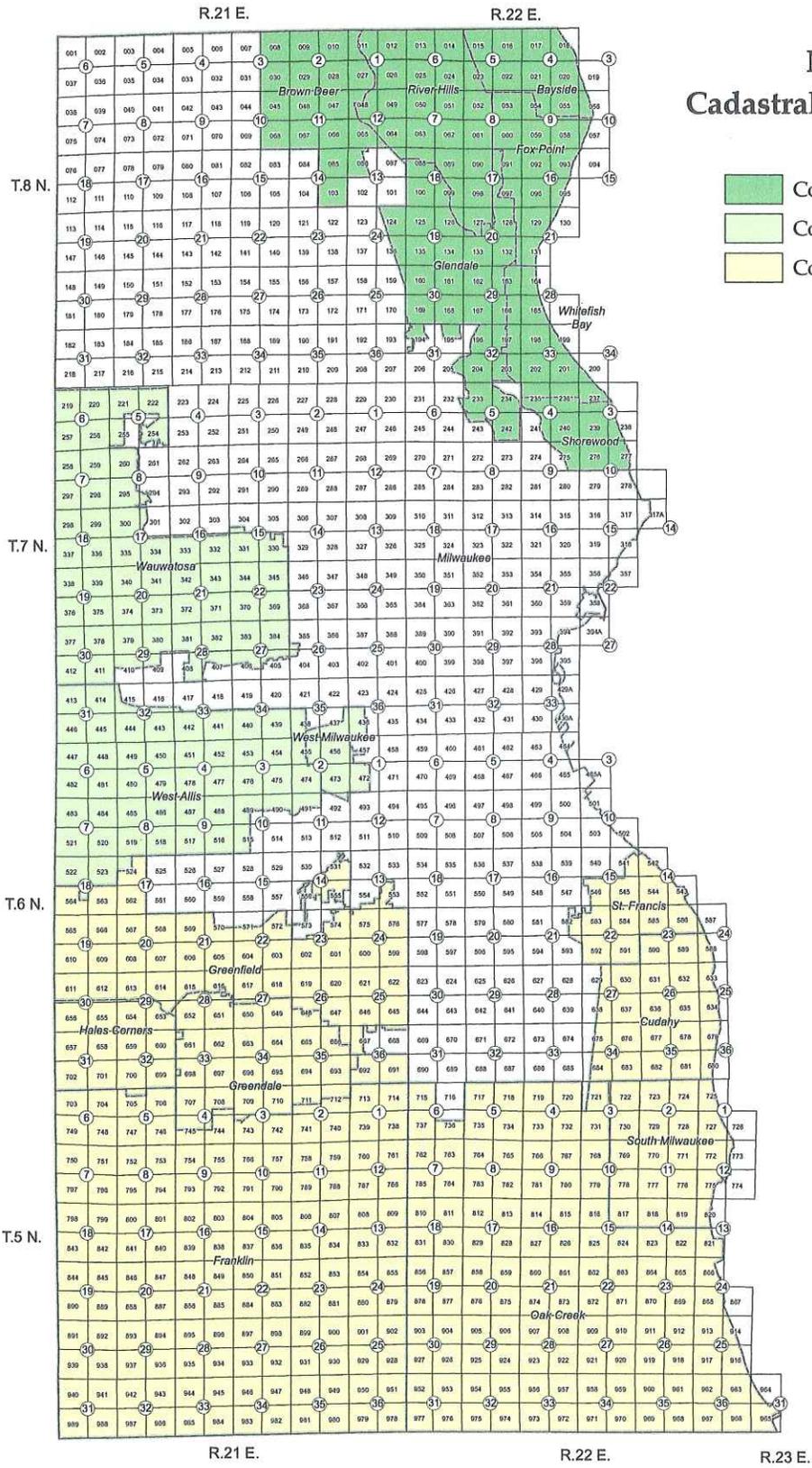
 Current as of October 1, 2005



Source: MCAMLIS Project Manager

# MCAMLIS Cadastral Conversion Status

- Conversion Complete
- Conversion 80% Complete
- Conversion 60% Complete



Source: MCAMLIS Project Manager  
October, 2005

D C.

# SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

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## MEMORANDUM

TO: MCAMLIS Steering Committee

FROM: SEWRPC Staff

DATE: October 17, 2005

SUBJECT: **STATUS OF MCAMLIS 2005-2006 TOPOGRAPHIC MAPPING PROJECT**

The Agreement between the MCAMLIS Steering Committee and the SEWRPC governing this project was executed on December 22, 2004, and work on this project has been underway since January, 2005.

Aerial photography acquired in 2004 for Township 8 North, Ranges 21 East and 22 East, was processed during the first calendar quarter of 2005. All aerial photography required for the balance of Milwaukee County was obtained prior to April 15, 2005, and the processing of this aerial photography has also been completed.

The orthophotography portion of this project is currently about 60 percent complete and the orthophotography is expected to be available for distribution on a work flow basis shortly after January 1, 2006.

The digital topographic mapping portion of this project is also underway. The mapping for Township 8 North, Ranges 21 East and 22 East, is currently about 60 percent complete and is expected to be available on a work flow basis beginning about April 1, 2006. The digital topographic mapping for Township 7 North, Ranges 21 East and 22 East, is expected to be available on a work flow basis beginning about July 1, 2006. The digital topographic mapping for the remaining portions of the County (Township 5 North, Ranges 21 East and 22 East; and Township 6 North, Ranges 21 East and 22 East; is scheduled to begin compilation during early 2006 and is expected to be available on a work flow basis beginning about January 1, 2007. The Agreement between MCAMLIS Steering Committee and the SEWRPC calls for this portion of the work to be completed by June 30, 2007.

\* \* \* \* \*

TDP/lgh  
10/17/05

#112799 V1 - Status Of MCAMLIS Mapping Project

IV d.

# SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

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## MEMORANDUM

TO: MCAMLIS Steering Committee

FROM: SEWRPC Staff

DATE: October 18, 2005

**SUBJECT: STATUS REPORT NO. 2 ON REGIONAL WATER SUPPLY PLAN**

This memorandum sets forth the progress made on the Regional Water Supply Planning Program from May 1, 2005 through September 30, 2005. The preparation of the regional water supply plan represents the third, and final, element of the SEWRPC regional water supply management program. The first two elements, comprising the development of basic groundwater inventories and the development of a groundwater simulation model for the Southeastern Wisconsin Region, were completed over the past several years. These first two elements involved interagency partnership programs with the U.S. Geological Survey, the Wisconsin Geological and Natural History Survey, the University of Wisconsin-Milwaukee, the Wisconsin Department of Natural Resources, and many of the water supply utilities serving the Region. The third, and final, step in the planning program, the preparation of the water supply plan, was initiated January of this year.

Progress on the water supply plan has been focused on the study organization, initiation of basic study area inventories, and initial report preparation. On a separate parallel track, work has been largely completed on the new regional land use plan for 2035 which will serve as a basis for the development of the regional water supply plan. The 2035 land use plan, which is separately funded, is nearing completion, with the final chapter dealing with plan implementation being reviewed by that plan's advisory committee in October of this year.

Progress on the water supply plan is summarized in the attached Exhibit 1 and in the following paragraphs.

### STUDY ORGANIZATION

A detailed study design for the water supply plan preparation was completed. The work elements were described and a method for staffing each element was defined. It is planned to utilize a cooperative staffing arrangement involving the Southeastern Wisconsin Regional Planning Commission (SEWRPC) staff, consulting engineering and legal firms, and the groundwater technical staff of the Wisconsin Geological and Natural History Survey (WGNHS), the U.S. Geological Survey (USGS), and the University of Wisconsin-Milwaukee. The details of the scope of work and an agreement with the groundwater technical staffs for carrying out the work were finalized. Also, following a qualifications-

based selection process, the Commission contracted with the firm Ruekert & Mielke, Inc., who will be responsible for conducting selected engineering technical elements of the planning program.

### **ADVISORY COMMITTEE**

The Regional Water Supply Planning Advisory Committee met September 21, 2005, to review the plan study design, the planning report outline, the water supply facility inventory procedures, and the initial two report chapters. All of these materials were revised to reflect Committee comments.

### **BASIC STUDY AREA INVENTORIES**

Work was completed on collating the basic study area information needed for the plan preparation. Those data include demographic and economic, land use, and natural resource information. Work was initiated on the inventory of water supply utility facilities, water use, fee structure, and related information. Work was also initiated by the plan engineering consultant on the inventories needed to document the state-of-the-art of water supply management.

### **PLAN OBJECTIVES AND STANDARDS**

Work was initiated on the development of planning objectives and standards.

### **PLAN REPORT PREPARATION**

The report outline; Chapter I, "Introduction and Background;" and Chapter II, "Description of the Study Area," of SEWRPC Planning Report No. 52, *A Regional Water Supply Plan for Southeastern Wisconsin*, were prepared, reviewed by the Regional Water Supply Planning Advisory Committee, and revised to address the Committee review comments.

### **OTHER ACTIVITIES**

The Commission water supply planning web site has been maintained. It is anticipated that Advisory Committee meeting minutes and report chapters will be placed on that site when finalized. The site also includes related presentations, reports, and other pertinent information.

\* \* \*

**Exhibit 1**

**STATUS OF REGIONAL WATER SUPPLY PLAN: SEPTEMBER 30, 2005**

Work Element	Percent Complete				
	20	40	60	80	100
Study Design and Organization					
Formulation of Objectives and Standards					
Basic Study Area Inventories					
Groundwater Resources Data Inventories					
Water Supply System Inventories					
Water Law Inventory					
State-of-the-Art Water Supply Management Inventory and Analysis					
Analyses and Forecasts					
Preparation, Test, and Evaluation of Alternative Plans					
Plan Selection					
Plan Implementation					
Publication of Report					
Public Involvement					

#112890 V1 - MCAMLIS RWSP STATUS REPORT NO. 2  
 RPB/pk  
 10/18/05

III e

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## MEMORANDUM

**TO:** MCAMLIS Steering Committee

**FROM:** SEWRPC Staff

**DATE:** October 18, 2005

**SUBJECT: STATUS REPORT NO. 12 ON PHASE I OF THE MILWAUKEE COUNTY FLOODLAND MAPPING PROJECT**

This memorandum sets forth the progress made on Phase I of the Milwaukee County Floodland Mapping project from May 1, 2005, through September 30, 2005. That project phase includes all streams that are to be studied in the County, with the exception of those in the Root River watershed. This status report addresses project progress in the following three major areas:

- Data Acquisition
- Hydrologic and Hydraulic Modeling
- Floodland Map Preparation

Overall, the Phase I portion of the project is about 85 percent complete. Progress is summarized in the attached Exhibit 1 and is graphically summarized on the map attached hereto as Exhibit 2.

### DATA ACQUISITION

During the period of May 1, 2005 through September 30, 2005, the following data acquisition activities were carried out:

- As indicated by Exhibit 1, data acquisition activities are substantially completed. When additional data needs are addressed as work proceeds, the acquisition of the data is coordinated with the Milwaukee Metropolitan Sewerage District (MMSD), the Wisconsin Department of Natural Resources (WDNR), the Wisconsin Department of Transportation (WisDOT), and the pertinent communities.
- Received Danish Hydraulic Institute MOUSE hydraulic model output files for the S. 43<sup>rd</sup> Street Ditch from Montgomery Watson Harza, an engineering consultant to MMSD.
- Received the final U.S. Army Corps of Engineers HEC-RAS hydraulic models for two proposed Honey Creek Parkway replacement bridges over Honey Creek from Ayres Associates, the project designer.

- Received a Canal Street flood management plan report from HNTB, the consultant doing the hydraulic design related to the proposed W. Canal Street crossing of the Menomonee River and associated facilities.

## **HYDROLOGIC AND HYDRAULIC MODELING**

During the reporting period, progress on hydrologic and hydraulic modeling for Phase I of the project included the following:

### **Kinnickinnic River Watershed**

- Completed work on hydraulic models for the Kinnickinnic River, Lyons Park Creek, Wilson Park Creek/Edgerton Channel, Villa Mann Creek, and the Villa Mann Creek Tributary. Models are ready to run flood profiles when the hydrologic models are complete and flood flows are computed.

### **Menomonee River Watershed**

- Completed work on the hydraulic model of the Little Menomonee River, incorporating the stream relocation completed from W. Brown Deer Road to W. Leon Terrace under a U.S. Environmental Protection Agency (USEPA) Superfund project. Model is ready to run flood profiles when the hydrologic model is complete and flood flows are computed.

### **Milwaukee River Watershed**

- Work continued on the hydrologic and hydraulic modeling of Brown Deer Park.

## **FLOODLAND MAP PREPARATION**

- There was no floodland map preparation work during the status report time period.

\* \* \*

Exhibit 1

STATUS OF MCAMLIS PHASE I MILWAUKEE COUNTY FLOODLAND MAPPING PROJECT: SEPTEMBER 30, 2005

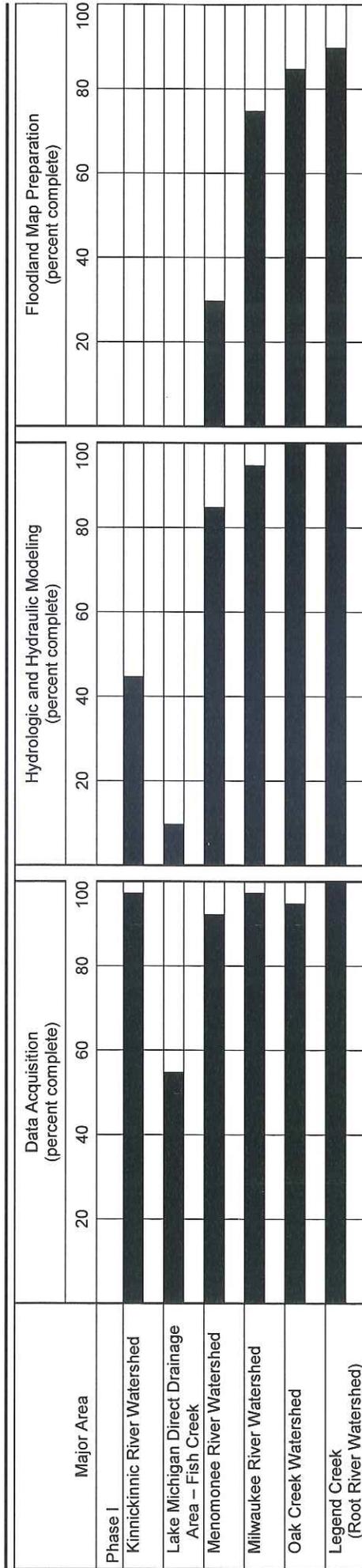
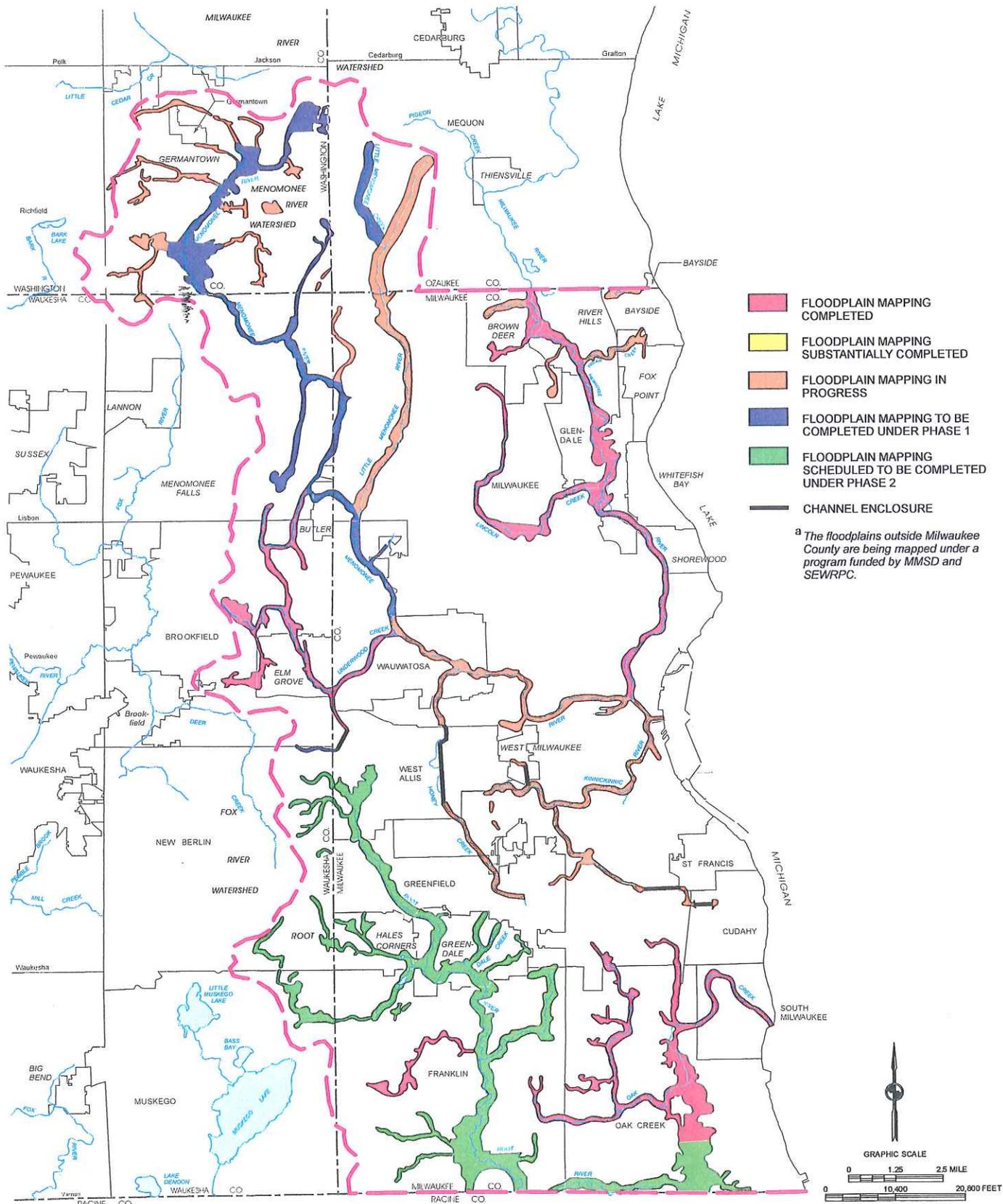


Exhibit 2

STATUS OF FLOODPLAIN MAPPING IN MILWAUKEE COUNTY AND IN MENOMONEE AND ROOT RIVER WATERSHEDS OUTSIDE MILWAUKEE COUNTY<sup>a</sup> SEPTEMBER 30, 2005



Source: SEWRPC.

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## MEMORANDUM

**TO:** MCAMLIS Steering Committee

**FROM:** SEWRPC Staff

**DATE:** October 18, 2005

**SUBJECT: STATUS REPORT NO. 4 ON PHASE II OF THE MILWAUKEE COUNTY FLOODLAND MAPPING PROJECT**

This memorandum sets forth the progress made on Phase II of the Milwaukee County Floodland Mapping project from May 1, 2005, through September 30, 2005. That project phase includes the streams that are to be studied in the County in the Root River watershed except for Legend Creek, which was studied under Phase I. In general, status reports will address project progress in the following three major areas and they will also identify major issues that have arisen.

- Data Acquisition
- Hydrologic and Hydraulic Modeling
- Floodland Map Preparation

The modeling and map preparation stages of the project have not yet begun. Overall, the Phase II portion of the project is about 5 percent complete. Progress is summarized in the attached Exhibits 1 and 2. During the reporting period there was no work done on data acquisition, hydrologic and hydraulic modeling, or floodland map preparation.

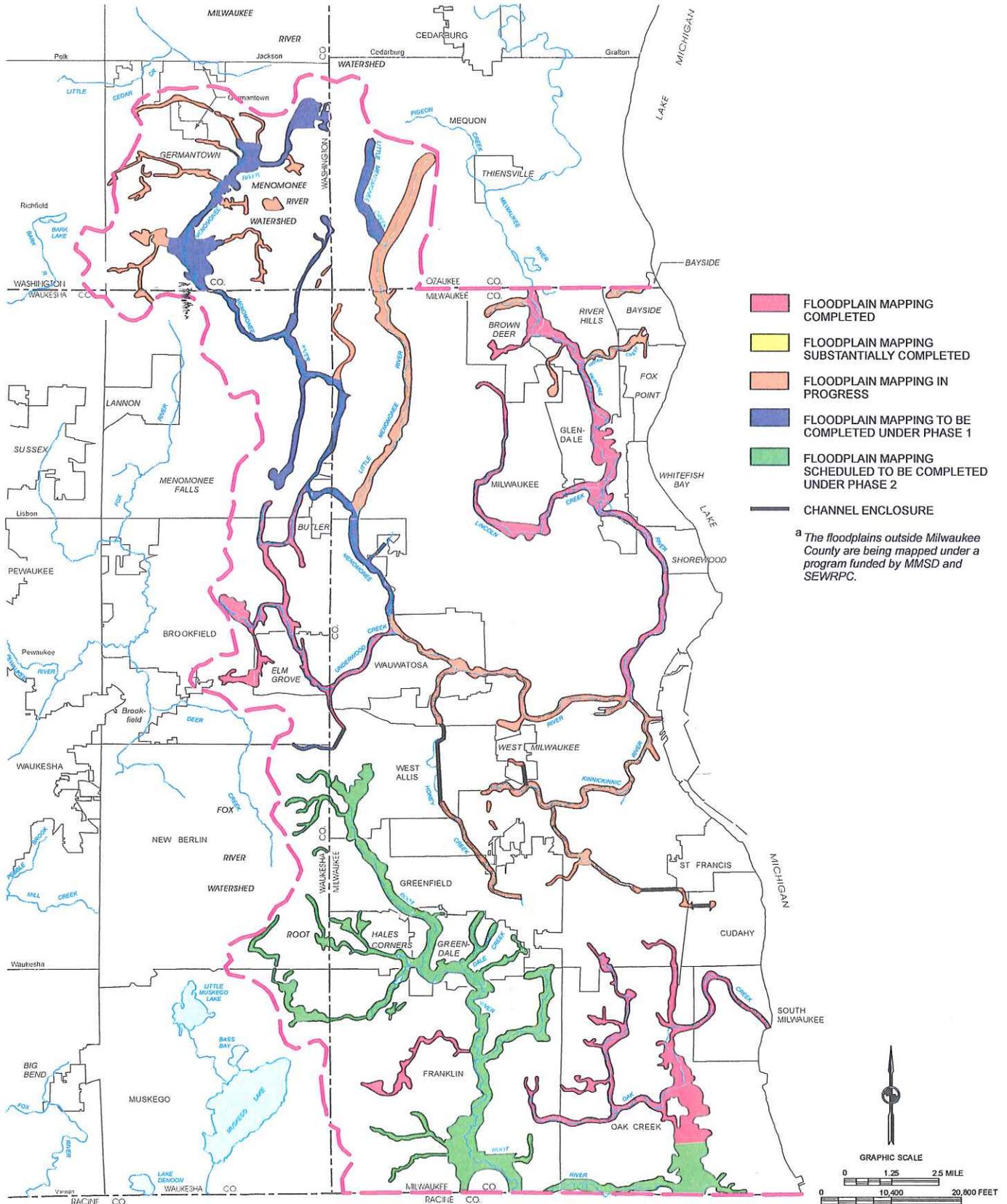
\* \* \*

#112881 V1 - MCAMLIS PH II MILW CTY FLPL STATUS RPT 4  
PCE/MGH/pk



Exhibit 2

STATUS OF FLOODPLAIN MAPPING IN MILWAUKEE COUNTY AND IN MENOMONEE AND ROOT RIVER WATERSHEDS OUTSIDE MILWAUKEE COUNTY<sup>a</sup> SEPTEMBER 30, 2005



Source: SEWRPC.

III F

we energies



2425 S. 35th Street  
Milwaukee, WI 53215

To: MCAMLIS Steering Committee

From: John Place, P.E.,  
Manager Planning Engineering and Mapping

Date: November 1, 2005

SUBJECT: STATUS REPORT NO. 2 ON DIGGERS HOTLINE PROJECT

This memorandum sets forth the progress made on the Diggers Hotline project since the last MCAMLIS Steering Committee meeting on May 18<sup>th</sup>, 2005. The first attachment includes an updated project task report. The remaining portion of the report includes a narrative of the work activities completed.

A handwritten signature in cursive script, appearing to read 'John Place'.

*Status: November 1, 2005*

*Diggers Hotline Project Phases*

**MCAMLIS Diggers Hotline Status Report**

<b>Step Number</b>	<b>Project Tasks</b>	<b>Project Status</b>
1	Meet with Franklin, 4 Utilities and Diggers Hotline to list objectives	Completed
2	Meet with Wisconsin Land Surveyors to define scope of project	Completed
3	Review and finalize program objectives and scope with all participants including City of Milwaukee and Milwaukee County	Underway
4	Define and integrate prototype area, gather data	Completed
5	Formulate procedural flow for integrating land information updates into Diggers Hotline data base, evaluate data from utilities, Diggers Hotline, MCAMLIS and City of Franklin	Completed
6	Finalize and test procedural flow	Underway
7	Develop .pdf and GIS specifications for platted plans delivered to Diggers Hotline	Underway
8	Propose method for automating and updating Diggers Hotline database with new subdivision plats	Underway
9	Obtain and modify .pdf software	Completed
10	Install and test layering software	Completed
11	Create layered .pdf files for approval process	Underway
12	Run 2 plan sets through approval process using layered .pdf process	Underway
13	Integrate approved .pdf and GIS files with Diggers Hotline database	Underway
14	Present draft results and solicit feed back from participants	
15	Incorporate comments and actions into final report	
16	Produce final report	
17	Present final results to MCAMLIS and participants	

## *Project Update, November 1, 2005*

### **1. Street Segment Connectivity**

A significant effort went into the research of the data requirements and database format for Diggers Hotline. Of significant importance is the fact that there is no connectivity from one street segment to another. Transmittals or locate requests received for any address location or range of addresses is queried by each individual street segment. The fact that one street span crosses a county line is important to Diggers Hotline however it is not important that there is connectivity between the street segments.

This means that it is not necessary for street segments to connect at county lines and differences between positional accuracies between county lines is not important to Diggers Hotline.

This issue is important because it means that blocks of data such as the MCAMLIS database can be inserted into Diggers Hotline without having to connect the bordering street segments and there does not have to be concern whether the streets aligns properly.

### **2. Electronic Standard Format**

Several meetings were held with the Executive Director of the Wisconsin Society of Land Surveyors, Harold Charlier to discuss what contribution, if any, the Society could provide in terms of advice or technical support for the Diggers Hotline project.

Follow-up meetings were also held with the State of Wisconsin Land Information Review Committee to get direct input concerning the electronic information provided on new land proposals submitted by developers. Richard Eberhardt, Ruckert-Mielke, Robert Jones, National Survey & Engineering, George Glocka, R.A. Smith and Sean Walsh, Wisconsin Department of Administration, attended and discussed the approach that we might take to get the information, in electronic format, to Diggers Hotline as soon as the new land development is approved.

It was suggested that to standardize the entire plat or new land development proposal might be very time consuming and perhaps result in a solution that would require an extraordinary amount of time and effort by developers. Considering that Diggers Hotline will benefit more from a solution that would be delivered sooner rather than later, the extended study and effort is not being considered.

*It was the consensus of the group that the focus of the Diggers Hotline project should focus on the minimum data that would benefit Diggers Hotline. The minimum data would include the geo-referenced data for the street centerline segments, address ranges, intersection node points and street names. It was also the consensus that the data be delivered in a format such as AutoCad that would be available to all developers.*

Considering the fact that the approval to proceed with a development is typically given at the local level and usually in the Engineering area, it was suggested that the Municipal Engineering Departments should require that the new land information for Diggers Hotline be submitted in an electronic format and in a standard format that would be determined by our study.

### 3. Process Changes

Met with MCAMLIS Project Manager, Kevin White. Provided an update as to the status of the project. Informed Mr. White about the fact that the engineering departments could, by controlling the issuance of permits, also require that the data for Diggers Hotline be in a standardized electronic format. Provided Mr. John Bennett, Chairman, Intergovernmental Coordination Council of Milwaukee County with a project update.

*Mr. Bennett offered to take the issue to the ICC so that all communities in Milwaukee County could adopt the procedure and process. This step still needs to be completed.*

After additional discussions with Milwaukee County, Project Manager Kevin White suggested that perhaps Milwaukee County could require the data for Diggers Hotline before approving the new plat or land development. This would eliminate the need to get all 18 communities to individually adopt the new procedure. This issue is addressed under item #4.

### 4. Register of Deeds

Met with Paul Mika, Register of Deeds office to discuss the Diggers Hotline project. After considerable discussion, it was determined that perhaps the Treasurers Department would be the only department that could make it a requirement to submit the data in electronic format and provide the appropriate data for Diggers Hotline. *An additional meeting will be arranged with County Treasurer, Mr. Daniel Diliberti.*

### 5. Data Programming and Standards

Programming is now underway to establish a format for street centerline segments, node points for street intersections, geo-coded control for new streets,

street names, and address ranges. At this point no changes have been determined for the utilities.

**6. Diggers Hotline, MCAMLIS Database**

At this point in time, the plan would be for Diggers Hotline to take all of the land information from MCAMLIS and to add only the new land information identified in Item #2 as it is approved by municipalities. On an annual basis, Diggers Hotline would then refresh their database with a new copy from MCAMLIS. The intent is to minimize the amount of information that would come from the municipalities but have all of the information available to Diggers Hotline after MCAMLIS updates have occurred.

**MCAMLIS Financial Report**

<b>12/31/04 Balance*</b>	\$	4,342,835.74
<b>2005 Activity**</b>		(\$2,083,882.10)
<b>2005 Projected Activity \$1.00</b>		(\$300,000.00)
<b>2005 Projected Activity \$4.00</b>		(\$1,783,882.10)
<b>12/31/05 Balance</b>	\$	2,258,953.64
<b>12/31/05 Projected Balance \$1.00</b>	\$	542,095.00
<b>12/31/05 Projected Balance \$4.00</b>	\$	1,716,858.64

**Outstanding Authorized Commitments (Non-Encumbered) 2006-Onward**

\$4.00 Fee		
⊗ Topographic Mapping Project	\$	1,927,015.00
<b>Remaining Unrestricted Balance \$4.00 Fee***</b>	\$	<b>(210,156.36)</b>
\$1.00 Fee		
Register of Deeds Land Information on Internet	\$	325,105.33
<b>Remaining Unrestricted Balance \$1.00 Fee</b>	\$	<b>216,989.67</b>
<b>Remaining Unrestricted Balance***</b>	\$	<b>6,833.31</b>

**2006 Budget**

\$1.00 Fee	\$	220,600.00
\$4.00 Fee	\$	882,400.00
Other	\$	1,000.00
<b>Total 2006 Budgeted Revenue</b>	\$	<b>1,104,000.00</b>
\$4.00 Fee Revenue	\$	882,400.00
\$4.00 Budgeted Expenditures		
⊗ SEWRPC Water Study	\$	87,262.00
County Surveyor	\$	77,175.00
Other Expenditures (GIS, Fiscal, Oversight)	\$	305,000.00
Total Committed Expenditures	\$	469,437.00
Difference \$4.00 Fee Revenue and Budgeted Expenditures	\$	412,963.00
Unrestricted Balance 2005	\$	(210,156.36)
Difference \$4.00 Fee Accounting for Year-End Balance	\$	202,806.64
\$1.00 Fee Revenue	\$	220,600.00
Budgeted Expenditures	\$	-
Unrestricted Balance 2005	\$	216,989.67
Difference \$1.00 Fee Revenue and Budgeted Expenditures	\$	437,589.67

\*Note: Balance includes both \$1.00 and \$4.00 fee revenue; \$610,196 of the amount is from revenue collected for the \$1.00 fee.

\*\*Note: Assumes all expenditures will be at budgeted amounts in 2005

\*\*\*Note: The amount of the reserve fund balance needs to be determined by committee, ten percent of current budgeted revenues appears to be appropriate. This would equal \$110,400 in 2006.

**2005 Fiscal Report as of 10/18/2005--1923 MCAMLIS**

<u>Rev / Exp Code</u>	<u>Revenue / Expense Name</u>	<u>Budget Amount</u>	<u>Actual Amount</u>	<u>Encumbrance</u>	<u>Projected Year-End</u>
2299	OTHER ST GRANTS & REIMBUR	\$79,000.00	\$78,288.88	\$0.00	
<b>ST GRANTS &amp; REIMBURSEMENT</b>		<b>\$79,000.00</b>	<b>\$78,288.88</b>	<b>\$0.00</b>	<b>\$78,288.00</b>
3237	RETAINED FEES -- \$4.00 PORTION	\$897,446.00	\$711,755.00	\$0.00	\$881,220.48
3238	RETAINED FEES -- \$1.00 PORTION	\$0.00	\$184,942.00	\$0.00	\$228,975.81
3239	GENERAL RECORDING FEES	\$0.00	\$16,756.98	\$0.00	\$16,756.98
<b>RECORD &amp; FILING FEES</b>		<b>\$897,446.00</b>	<b>\$913,453.98</b>	<b>\$0.00</b>	<b>\$1,126,953.27</b>
4999	OTHER MISC REVENUE	\$0.00	\$1,200.00	\$0.00	\$1,485.71
<b>OTHER REVENUE</b>		<b>\$0.00</b>	<b>\$1,200.00</b>	<b>\$0.00</b>	<b>\$1,485.71</b>
<b>Total Revenues</b>		<b>\$976,446.00</b>	<b>\$992,942.86</b>	<b>\$0.00</b>	<b>\$1,206,726.98</b>
5001	DIRECT LABOR CHARGED	\$0.00	\$31,354.68	\$0.00	\$38,820.08
<b>PERSONAL SERVICES</b>		<b>\$0.00</b>	<b>\$31,354.68</b>	<b>\$0.00</b>	<b>\$38,820.08</b>
6148	PROF. SERV-RECURRING OPER	\$2,722,761.00	\$1,419,002.14	\$519,625.02	\$2,722,761.00
6637	R/M COMPUTER EQUIP	\$24,000.00	\$152,822.35	\$60,618.53	\$189,440.00
6807	DP Education	\$5,000.00	\$0.00	\$0.00	\$5,000.00
6812	MEETINGS OTHER AUTH TRAVL	\$1,000.00	\$0.00	\$0.00	\$1,000.00
<b>SERVICES</b>		<b>\$2,752,761.00</b>	<b>\$1,571,824.49</b>	<b>\$580,243.55</b>	<b>\$2,918,201.00</b>
7915	COMPUTER SOFTWARE	\$0.00	\$0.00	\$0.00	\$0.00
<b>COMMODITIES</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
8558	Computer Equipment-Repl > \$500	\$7,000.00	\$0.00	\$0.00	\$7,000.00
<b>CAPITAL OUTLAYS</b>		<b>\$7,000.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$7,000.00</b>
9706	PRO SERV DIV SERVICES	\$290,000.00	\$19,889.74	\$0.00	\$290,000.00
9742	DAS Services	\$25,000.00	\$0.00	\$0.00	\$25,000.00
9799	OTHER COUNTY SERVICES	\$1,000.00	\$11,588.00	\$0.00	\$11,588.00
<b>CROSSCHARGES *</b>		<b>\$316,000.00</b>	<b>\$31,477.74</b>	<b>\$0.00</b>	<b>\$326,588.00</b>
<b>Total Expenses</b>		<b>\$3,075,761.00</b>	<b>\$1,634,656.91</b>	<b>\$580,243.55</b>	<b>\$3,290,609.08</b>
<b>Grand Totals **</b>		<b>(\$2,099,315.00)</b>	<b>(\$641,714.05)</b>	<b>(\$580,243.55)</b>	<b>(\$2,083,882.10)</b>

\* Note: Amount includes \$206,589 in A&E Mgmt + \$25,000 for DAS-Fiscal + \$73,695 for Register of Deeds GIS Position

\*\*Note: Grand Total includes the transfer of \$1,931,390 from the reserve fund to cover expenditures for the Topographic Mapping Project. A total of \$3,252,710.

Encumbrances

2005 Outstanding Commitments as of 10/18/2005  
 Agency 193-General Government Non-Departmental  
 Organization 1923-Automated Land Information System  
 \$4.00 Fee

Vendor Name	Description	2005 Amount Encumbered	Outstanding Commitments	Difference Outstanding and Encumbrance
SOUTHEASTERN	Comprehensive Digital Flood Hazard Mapping	\$ 10,903.16	\$ 10,903.00	\$ (0.16)
SOUTHEASTERN	SEWRPC Cadastral Maps	\$ 15,000.00	\$ 15,000.00	\$ -
GEO ANALYTICS	GEO ANALYTICS INC	\$ 859.86	\$ 859.86	\$ -
SOUTHEASTERN	MCAMLIS Floodland Mapping Phase 2	\$ 290,600.00	\$ 290,600.00	\$ -
DIGGERS HOTLIN	DIGGERS HOTLINE	\$ 50,000.00	\$ 50,000.00	\$ -
SOUTHEASTERN	SEWRPC Water Study	\$ 87,262.00	\$ 174,524.00	\$ 87,262.00
SOUTHEASTERN	County Surveyor3	\$ 60,000.00	\$ 137,175.00	\$ 77,175.00
SOUTHEASTERN	Topographic Mapping Project	\$ 5,000.00	\$ 1,932,015.00	\$ 1,927,015.00
<b>TOTAL</b>		<b>\$ 519,625.02</b>	<b>\$ 2,611,076.86</b>	<b>\$ 2,091,452.00</b>

- FLOOD Plan ?  
 funding  
 - we need to sign off  
 prior to payment

Recap

**MCAMLIS Financial Report**

<b>12/31/04 Balance</b>	\$	4,342,835.74
<b>2005 Activity</b>		(\$2,083,882.10)
<b>12/31/05 Balance</b>	\$	2,258,953.64

**Outstanding Authorized Commitments (Non-Encumbered) 2006-Onward**

SEWRPC Water Study	\$	87,262.00
Topographic Mapping Project	\$	1,927,015.00
Register of Deeds Technology Projects	\$	325,105.33
Total	\$	2,339,382.33

**Remaining Unrestricted Balance** \$ (80,428.69)

2006 Budgeted Revenue \$ 1,104,000.00

\$1.00 Fee

17-Oct-05

Regarding the \$1.00 WLIA fee, the following purchases have been made.

<u>Year-End 2004 \$1.00</u> <u>Revenue</u>	<u>Year-to-Date Fee</u> <u>Revenue</u>	<u>Total Revenue</u> <u>To Date</u>	<u>Authorized</u> <u>Expenditures</u>	<u>Variance</u> <u>Authorized over</u> <u>Total Revenue**</u>
\$795,138.00	\$184,942.00	\$980,080.00	\$763,090.00	\$216,990.00

\*Note: This money can be used for no other purpose than Register of Deeds projects. Any amount not expended in this manner cannot be used for other MCAMLIS tasks.

\*\*Note: \$763,090 in expenditures against the \$1.00 fee have been authorized by the Steering Committee as of October 17, 2005. Some projects may come in lower than anticipated. Total expenditures under the \$1.00 fee total \$437,195. The difference with these adjustments would total \$542,095.

\$542,095.33

Calendar Entry:

## Meeting

Subject:	Pre MCAMLIS Meeting	Location:	DAS Office
Begins:	Mon 10/31/2005 09:00 AM	Entry type:	<input checked="" type="checkbox"/> Meeting
Ends:	Mon 10/31/2005 10:00 AM		
Chair:	Kevin White/DPW/Milwaukee County		

### Invitations already sent

To: Emily Van Dunk/DOA/Milwaukee County@MILWCO, Gary Drent/DPW/Milwaukee County@milwco, Greg High/County@milwco, John La Fave/RegDeeds/Milwaukee County@milwco  
cc:

- |                                       |   |
|---------------------------------------|---|
| <input type="checkbox"/> Pencil In    | Time will appear free to others.                |
| <input type="checkbox"/> Mark Private | Others cannot see any details about this event. |
| <input type="checkbox"/> Notify me    | Have Notes notify you before the event.         |

Categorize:

Description:

Emily,

Can you arrange a conference room in your office for the meeting?



REGISTER OF DEEDS

Milwaukee County

JOHN LA FAVE • Register of Deeds

10-20-05

To: MCAMLIS Steering Committee  
From: John La Fave, Register of Deeds

Re: Utilizing the \$1 retained fee

At the May 2005 meeting of MCAMLIS, John La Fave and Kevin White were asked to develop a long-range plan for utilizing the \$1 fee. I believe that a long-range plan already exists for the utilization of the \$1 retained fee. That plan is described by Goal #13 adopted by MCAMLIS on July 15, 2003.

On July 15, 2003 the MCAMLIS Steering Committee amended its Land Records Modernization Plan by adding Goal #13:

*Identify, initiate and complete projects that will utilize the \$1.00 of each \$5.00 of the fees retained locally to develop and maintain a computerized indexing of the County land information records related to housing in a manner that would allow for greater public access.*

On July 20, 2004 the MCAMLIS Steering Committee expanded the above goal by adding the following:

*More specifically the \$1 fee will be segregated and designated as a "technology fund" for ongoing modernization efforts and technology improvements to the Milwaukee County Register of Deeds Office. The chosen projects will be expected to provide faster access to, and improved delivery of, data, images, and services both within the Office and to the public over electronic communication media such as the Internet.*

(Note: The budget bill signed on July 24, 2005 changes the state statutes to read: The county uses... \$1 of each \$5 fee retained under this paragraph for the provision of land information on the Internet, including the county's land information relating to housing.)

Register of Deeds has used the \$1 fee funds to purchase much needed software and hardware and to enable valuable projects in accordance with the committee's goals as discussed above. The Register of Deeds continues to identify projects that will streamline the department's workflow and offer greater customer service both within the office and on the Internet.

Page two of this memo is a summary of how the \$1 fee has improved the operation of the Register of Deeds thus far. Page three is a summary of requests for additional funding for new projects.

Utilization of the \$1 retained fee *to date*

The Register of Deeds (ROD) department has used funds from the \$ 1 retained fee to replace old equipment thus increasing efficiency. This has helped the Milwaukee County ROD to begin to catch up with other counties in modernization. Milwaukee County budget deficits have caused inadequate funding for the ROD for several years. Funding from the \$1 fee has ended a dire situation and allowed the ROD to forge ahead to provide much faster and better service to the public.

The \$1 fee has:

- Purchased a Large Format Scanner. This allowed subdivision plats and condominium plats to be digitized and made available on the Internet.
- Helped fund the purchase of an upgraded software program. As a result:
  - Recording, indexing and mail backlogs have been reduced.
  - Data entry is now paperless.
  - Indexing of data is accomplished faster.
  - Documents are returned to the submitter faster.
  - The public can view real estate data and images on the Internet for a fee. Municipal assessors can view real estate documents on the Internet free of charge.
- Purchased servers to enable the Internet access program, electronic recording and improvements to the File Transfer Protocol (FTP) site. ROD puts file of images onto the FTP site where customers can then download them via the Internet. This replaced the production of CDs.
- Enabled Milwaukee County to be one of the first twenty-five counties in the nation to initiate the *electronic* recording of documents. Milwaukee County now leads other Wisconsin counties with 6% of documents recorded electronically. The moment E-Docs are recorded they are immediately available for viewing on the Internet. Recorded documents are returned instantly to the submitter.
- Purchased new computers and monitors. These were also needed to enable the new software program.
- Enabled the wiring of additional data-ports in the office.
- Purchased two SNAP servers to replace the old out-dated jukebox system of optical platters. The SNAP servers deliver images faster and have much more space available for adding images.
- Purchased five years worth of digital images from Chicago Title company. The public will soon have Internet access to ROD images starting from 1995 rather than the current 2000.
- Funded a project to scan parcel information cards in the tax listing section that have no archival backup. After digital images of the cards have been added to the ROD computer system, this information will be available on the Internet.

New and continued initiatives utilizing the \$1.00 retained fee

Recommended  
for  
cancellation

**Disaster Recovery Service - \$175,000** Authorized by MCAMLIS (May 2005).

The ROD has put this project on hold. Milwaukee County IMSD may develop a comprehensive program that would cover all departments. ROD would likely be asked to contribute funds toward a countywide disaster recovery project. *The committee may want to remove this approval and revisit it in the future.*

appn

Requesting  
\$200,000

**Conversion of microfiche images to digital format: \$200,000** Authorized by MCAMLIS (Nov 2003). \$107,021.66 was paid to Chicago Title/Property Insight to purchase digitized images from 1995 -1999. **ROD requests an increase for this authorization to \$400,000.** That would leave **\$292,978.34 available** for the conversion of microfiche images for the seven-year period 1988-1994 (approximately 2.7 million images).

appn

**Improvements to computerized system - \$240,000** Authorized by MCAMLIS (April 2003). ROD is approaching the limit on this authorization.

ROD requests a new authorization of \$200,000 for **Improvements to computerized system**. Projects to be funded include:

\$150,000 Phase 2

appn

- **Automating the File Transfer Protocol (FTP) site.** ROD staff will no longer have to update the FTP site on a daily basis. Customers will be able to request any images via the site at any time.
- **Connection of four separate stand-alone databases to Milwaukee County ROD's web page,** thus making this data available on the Internet. The databases are: Tax Lien, Mortgage Release, Corporation Index and Subdivision Name Index.
- **Purchase of additional computers and monitors to create additional terminals available for the public** to search real estate records in ROD, Room G-6. Currently there are 12 public terminals. Upon completion of the MCAMLIS funded project to scan parcel information cards more space will become available for terminals. The parcel cards will be stored offsite and the cabinets that housed them will be removed.
- **Wiring of additional data-ports** will be needed for the additional terminals.
- **Purchase of a Book Scanner** for producing images of pages from old books for which there is no backup. There are about 70 Number Index books that were mostly handwritten. Some are very old and falling apart. There are about 100 Deed Volumes that have not been filmed from the 1940's to 1962, with 640 pages per book. It is important that these deeds be imaged, both as a backup and for public access.
- **Eliminating the Verification backlog:** An important element for assuring quality real estate data and the ability to successfully search land records of the Register of Deeds is to verify the indexed data and correct any errors that are found. In May 2004 the Register of Deeds was forced to suspend verification of data (for the first time in its history) due to unfilled positions. As a result the index is second rate. The backlog of data that needs verification is now at 15 months, approximately 300,000 documents. Although verification resumed in April 2005, it would take years for ROD employees to eliminate the backlog even working overtime. **ROD proposes to eliminate the backlog by using the services of an outside company that would assist with the verification process.**

**Funding a new position located in ROD – high end cost would be \$115,299.07 annually**

*Withdrawn  
tell  
not  
meeting*

**Position: Network Applications Specialist 3**

Pay Range 24D

The total annual cost for this position – salary, fringe benefits and Social Security will range from a low of \$91,158.23 to a high of \$115,299.07.

Work activities would include but not be limited to:

- Work towards making ROD data and images available to the public on Milwaukee County's web site
- Work with MCAMLIS to make available MCAMLIS map products on Milwaukee County's web site
- Serve as the primary IMSD (Information Management Services Division) contact for Register of Deeds employees. ROD employees would go to the ROD/IMSD Specialist with their software/hardware questions, problem and issues. The Specialist would also assist the department head with purchases and projects of an I.T. nature.

The total cost of the Network Applications Specialist 3 position depends on the level at which the position is filled. The choices are listed below.

Pay Range	step	union	Hourly	Bi-weekly	Annual	Fringe Benefits	Social Security	Total
24D	1	DC	<b>24.2964</b>	1,943.71	50,730.83	36,546.49	3,880.91	91,158.23
24D	2	DC	<b>24.9035</b>	1,992.28	51,998.51	37,459.73	3,977.89	93,436.12
24D	3	DC	<b>25.6507</b>	2,052.06	53,558.77	38,583.74	4,097.25	96,239.75
24D	4	DC	<b>26.5491</b>	2,123.93	55,434.57	39,935.07	4,240.74	99,610.38
24D	5	DC	<b>27.6110</b>	2,208.88	57,651.77	41,532.33	4,410.36	103,594.46
24D	6	DC	<b>28.9912</b>	2,319.30	60,533.73	43,608.50	4,630.83	108,773.06
24D	7	DC	<b>30.7306</b>	2,458.45	64,165.55	46,224.86	4,908.66	115,299.07

Fringe Benefit rate is 72.04

Social Security is 7.65

AGREEMENT

gpr.

**THIS AGREEMENT**, entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2005, by and between the Milwaukee County Department of Parks and Public Infrastructure (hereinafter referred to as the " County"; and the Milwaukee County Automated Mapping and Land Information System Steering Committee (hereinafter referred to as the "Steering Committee").

**WITNESSETH:**

**WHEREAS**, by Resolution No. 88-379, the Milwaukee County Board of Supervisors requested the Southeastern Wisconsin Regional Planning Commission to conduct a feasibility study pertaining to an automated mapping and land information system; and

**WHEREAS**, the requested feasibility study was completed and documented in SEWRPC Community Assistance Planning Report No. 177, Feasibility Study for a Milwaukee County Automated Mapping and Land Information System, published in October 1989; and

**WHEREAS**, by resolution adopted on November 8, 1990, the Milwaukee County Board of Supervisors, working in cooperation with the utilities concerned, created a public-private partnership to implement the proposed Milwaukee County automated mapping and land information system, including creation of a Steering Committee to provide oversight in the implementation of the system recommended in SEWRPC Community Assistance Planning Report No. 127; and

**WHEREAS**, the aforereferenced Milwaukee County resolution adopted on November 8, 1990, further authorized the execution of a Cooperative Agreement between Milwaukee County and the public and private utilities serving Milwaukee County, whereby the County and such utilities agreed to jointly fund the development of the Milwaukee County automated mapping and land information system)., such Agreement delegating to the aforereferenced Steering Committee full responsibility for all policy matters relating to the conduct of the work program, including proposed contracts and specifications and the selection of contractors; and

**WHEREAS**, the Steering Committee on September 14, 2004, formally authorized the County to accept the responsibilities of Project Manager for the implementation of the recommended automated mapping and land information system;

**NOW, THEREFORE**, in consideration of the mutual promises of each agency made to the other, the fulfillment of the terms and conditions, agreements, and understandings hereinafter set forth,

I. Scope of Work

In general, the County agrees to perform all of the tasks specified herein. Other tasks to be completed by the County not covered herein will be carried out under separate agreements.

The County will provide the professional staff services, including the services of a Project Manger, necessary to manage the Milwaukee County automated mapping and land information system projects throughout the duration of this agreement, and beyond subject to amendment of this agreement. This responsibility includes the identification and recommendation of work projects to be carried out under the MCAMLIS program. The preparation and submittal of grant applications to the Wisconsin Land Information Board on behalf of the MCAMLIS Steering Committee, the fiscal management of MCAMLIS projects, and the quality control of end products produced under MCAMLIS contracts and subcontracts. The County will serve as staff to the Steering Committee in the preparation for and the carrying out of its meetings.

The County agrees to perform day-to-day operations services attendant to the Milwaukee County automated mapping and land information system until the end of the period specified in this

contract. This will include housing and maintenance of the MCAMLIS produced end products, update of cadastral and street address databases, handling requests for the distribution of MCAMLIS produced products as approved by the Steering Committee, and researching and implementing hardware and software data transfer protocols and standards. Additionally, the County will supply routine maintenance as required in the housing of MCAMLIS data, and continue to integrate new materials created under MCAMLIS projects as they become available.

In addition to the services described above, the County will be responsible for developing and managing any and all sub-contracts to qualified engineering firms participating in the conduct of MCAMLIS mapping projects. Furthermore, the MCAMLIS Project Manager as an employee of the County will serve as liaison to the MCAMLIS attorney related to the development of the MCAMLIS data sharing policy, and in matters pertaining to the copyright of MCAMLIS derived products.

II. Timing

All services to be performed under this Agreement shall be carried out over the period beginning January 1, 2006, and ending on December 31, 2006.

III. Compensation to County

The Steering Committee shall pay to the County the following amounts for those services described above:

SERVICES PROVIDED	AMOUNT
Project Management and Related Operating Services (DPPI)	\$202,500
MCAMLIS Cadastral and Street Address Database Maintenance (ROD)	\$ 77,500
<b>Total</b>	<b>\$280,000</b>

IV. Method of Compensation

Compensation is to be provided to the Department of Parks and Public Infrastructure (DPPI) and the Register of Deeds (ROD) for services performed through the County MCAMLIS Program Org. 1923. DPPI and ROD will request on a quarterly (March 31, June 30, September 30, December 31) basis reimbursement for said services provided. The Milwaukee County Department of Administration (DAS) will administer all journal vouchers as deemed necessary to Orgs. 5081 and 3430 for those services that they provided during the course of carrying out its responsibilities.

If, during the course of carrying out the work elements identified herein, additional unanticipated work efforts not identified in the scope of work contained herein become necessary for successful project completion in the judgment of the County or in the judgment of the Steering Committee, then it is agreed that the County can request an amendment to the scope of work, with an attendant increase in the maximum amount payable to the County under this Agreement. Such an amendment would require the approval of both the County and the Steering Committee before becoming effective.

V. Support and Materials to be Provided by Others

It is assumed that the members of the Steering Committee, on behalf of their respective public agencies and private utilities, agree to make available without charge to the County all existing digital and hardcopy maps, documents, reports, legal records, and related materials deemed by the County to be needed to carry out its responsibilities under this Agreement. If this assumed level of cooperation does not materialize, then it is agreed that the County may, at its discretion, request payment from the Steering Committee for these costs above and beyond the total amount set forth in Section III of this Agreement.

VI. Ownership of Data

The County agrees not to release such data to others without the prior consent of the Steering Committee. At the end of the Agreement, the County agrees to turn over to a designated MCAMLIS Project Manager all materials and computer hardware and software acquired and/or developed as a part of this Agreement.

VII. Subcontracts

The County and Steering Committee agree that it may be desirable to perform certain of the tasks associated with work projects conducted during the life of this Agreement through subcontracts with qualified firms. In addition, it is envisioned that subcontracts may be required for the acquisition of computer hardware and software and communication devices. The County agrees to bring any such subcontracts to the Steering Committee for its approval prior to execution.

VII. Indemnity

Except for acts done or taken at the direction of or pursuant to the Steering Committee policy or procedures, the County agrees to the fullest extent permitted by law, to indemnify, defend and hold harmless, the Steering Committee, and its agents, officers and employees, from and against all loss or expense including costs and attorney's fees by reason of statutory benefits under Worker Compensation Laws, and/or liability for damages including suits at law or in equity, caused by any wrongful, intentional, or negligent act or omission of the County, or it's (their) agents which, may arise out of or are connected with the activities covered by this agreement.

IX. Insurance

The County, as an agency of the state, is self-funded for liability (both public and property) under Section 893.82 and Section 895.46 (1) of the Statutes. As a result, such protection as is afforded under respective Wisconsin Statutes, is applicable to officers, employees, and agents while acting within the scope of their employment or agency. Since this is statutory indemnification, there is no liability policy as such that can extend protection to any other.

X. Authorization

The Steering Committee approved the execution of this Agreement by action taken on September 14, 2004.

IN WITNESS WHEREOF, This Agreement executed the date and year first above written.

FOR: MILWAUKEE COUNTY

FOR: MILWAUKEE COUNTY  
AUTOMATED MAPPING AND LAND  
INFORMATION SYSTEM STEER  
COMMITTEE

\_\_\_\_\_  
David G. Wilson, Acting Director    Date  
Department of Parks and Public Infrastructure

\_\_\_\_\_  
Kurt W. Bauer, Chairman    Date

WITNESSED BY:

WITNESSED BY:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

APPROVED AS TO FORM BY  
CORPORATION COUNSEL

\_\_\_\_\_  
Bill Domina    Date  
Corporation Counsel

REVIEWED AS TO INSURANCE REQUIREMENTS

\_\_\_\_\_  
John R. Rath    Date  
Risk Manager

APPROVED WITH REGARDS TO COUNTY ORDINANCE CHAPTER 42

\_\_\_\_\_  
Freida Webb, Director    Date  
Disadvantaged Business Development

13  
c

## AGREEMENT

**THIS AGREEMENT**, entered into this \_\_\_\_ day of \_\_\_\_\_, 2005, by and between the Southeastern Wisconsin Regional Planning Commission (hereinafter referred to as the "Commission"); and the Milwaukee County Automated Mapping and Land Information System Steering Committee (hereinafter referred to as the "Steering Committee").

### WITNESSETH:

**WHEREAS**, under Section 59.74 of the Wisconsin Statutes, the Commission serves as the County Surveyor for Milwaukee County; and

**WHEREAS**, under the requirements of this legislation, the Commission is responsible for receiving, indexing, and filing as a public record, a copy of each land survey plat prepared by a land surveyor; and

**WHEREAS**, under the further requirements of this legislation, the Commission is also made responsible for the perpetuation of the corners of the U.S. Public Land Survey which may be subject to destruction, removal, or burial through construction or other activities and for maintaining a record of the surveys for such perpetuation; and

**WHEREAS**, the activities of the Milwaukee County Surveyor are essential to the development and maintenance of the Milwaukee County Automated Mapping and Land Information System (MCAMLIS); and

**WHEREAS**, the Milwaukee County Board of Supervisors has determined that the expenses associated with the Milwaukee County surveyor function should be paid from the annual operating budget of the MCAMLIS project; and

**WHEREAS**, Sections 66.0309 (12)(b) and 66.0301 of the Wisconsin Statutes authorize the Commission to enter into contracts with local units of government and their agents to make and implement studies and plans and to otherwise provide advice and services.

**NOW, THEREFORE**, in consideration of these premises and of their mutual and dependent promises and agreements, the parties hereto contract and agree as follows:

I. Scope of Work

The Commission will provide the professional staff services as necessary to act in the capacity of County Surveyor for Milwaukee County pursuant to the provisions of Section 59.635 of the Wisconsin Statutes. More specifically, under this agreement, the Commission, acting in the capacity of the Milwaukee County Surveyor, will perform the following functions:

- A. Record and maintain a file of all land survey plats prepared by land surveyors for parcels in Milwaukee County. An estimated 2,000 such land surveys are prepared and filed annually. Such surveys are essential to the maintenance effort required to keep the MCAMLIS cadastral maps up-to-date.

- B. Perpetuate the corners of the U.S. Public Land Survey system throughout Milwaukee County. Such corners frequently are subject to destruction, removal, and burial through construction or other activities. The perpetuation work includes periodic inspection of the system of approximately 2,200 monuments and attendant reference benchmarks, the removal and/or replacement of such monuments and reference benchmarks either directly or through the supervision of others conducting such activities, and undertaking both horizontal and vertical control surveys to ensure the integrity of the reference framework that is critical to the automated mapping base established for Milwaukee County. An estimated 100 monuments and benchmarks are serviced annually.
- C. Provide guidance and counsel to the Milwaukee County Automated Mapping and Land Information System Steering Committee through service on that committee.
- D. Provide technical support and guidance to the staff assigned to develop and maintain the Milwaukee County automated mapping and land information system program.

II. Commission to Organize and Store Information Acquired by County Surveyor

In order to facilitate convenient use of the land survey records concerned by land surveyors, abstractors, assessors, appraisers, attorneys, engineers and other interested parties, the Commission agrees to maintain an orderly filing and retrieval capability for the land surveys and to cross reference all files of surveys under five headings. The five reference headings are:

- A. Numerically by U.S. Public Land survey township, range, section, quarter section, and record of survey.
- B. Alphabetically by minor civil division (city or village).
- C. Alphabetically by the property owner or client for whom the survey was completed.
- D. Alphabetically by the name of the land surveyor employed by the property owner or client.
- E. Chronologically by the date of the survey.

The Commission further agrees to maintain in an orderly manner, records of individual U.S. Public Land Survey Corners (dossier sheets), and records (control survey summary diagrams) of horizontal and vertical control surveys that have been run over the U.S. Public Land survey corners.

III. Commission to Act as Custodian for all Milwaukee County Surveyor Records

The Commission agrees to maintain for inspection and copying as public documents, all records associated with its functions as the Milwaukee County Surveyor. The Commission further agrees on a quarterly basis to transmit updated copies of the five lists

identified in paragraph 2 above. These updated lists shall be provided to the Milwaukee County Director of Public Works, the Milwaukee County Register of Deeds, selected city and village engineers within the County, and all land surveyors who have submitted records of surveys to the Commission for indexing and filing.

IV. Steering Committee to Receive Copies of Records

The Commission shall furnish to the Steering Committee, as necessary for the pursuit of its responsibilities, copies of the records created and maintained by the Milwaukee County Surveyor.

V. Compensation

The Steering Committee through Milwaukee County shall pay to the Commission the sum of \$77,175 as full payment for the services described herein.

VI. Method of Compensation

The Commission shall submit a single invoice in the amount of \$77,175 to Milwaukee County. The County, on behalf of the Steering Committee, shall pay to the Commission the amount shown on the invoice upon receipt of said invoice.

VII. Timing

The work to be performed under this Agreement shall be carried out over the period from January 1, 2006, through December 31, 2006.

VIII. Indemnity

Except for acts done or taken at the direction of or pursuant to the Steering Committee policy or procedures, the Commission agrees to the fullest extent permitted by law, to indemnify, defend and hold harmless, the Steering Committee, and its agents, officers, and employees from and against all loss or expense including costs and attorney's fees by reason of statutory benefits under Worker Compensation Laws, and/or liability for damages including suits at law or in equity, caused by any wrongful, intentional, or negligent act or omission of the Commission, or its agents which may arise out of or are connected with the activities covered by this agreement.

IX. Insurance

The Commission, as an agency of the State, is self-funded for liability under Section 893.82 and Section 895.46(1) of the Statutes. As a result, such protection as is afforded under respective Wisconsin Statutes, is applicable to officers, employees, and agents while acting within the scope of their employment or agency. Since this is statutory indemnification, there is no liability policy as such that can extend protection to any other.

X. Records and Audits

The Commission shall allow Milwaukee County, the Milwaukee County Department of Audit, or any other party that Milwaukee County may name, when and as they demand, to audit, examine, and make copies of, excerpts or transcripts from, any records or other information directly relating to matters under this agreement. Any subcontracting by the Commission in performing the duties described under this contract shall subject the subcontractor and/or associates to the same audit terms and conditions as the

Commission. The Commission (or any subcontractor) shall maintain and make available to Milwaukee County the aforementioned audit information for no less than three years after the conclusion of each contract term.

XI. Independent Contractor

Nothing contained in the Agreement shall constitute or be construed to create a partnership or joint venture between Milwaukee County or its successors or assigns; the Steering Committee or its successors or assigns; and the Commission or its successors or assigns. In entering into this Agreement, and in acting in compliance herewith, the Commission is at all times acting and performing as an independent contractor, duly authorized to perform the acts required of it hereunder.

XII. Authorization

The Steering Committee approved the execution of this Agreement by action taken on November 1, 2005.

IN WITNESS WHEREOF, the Commission and the Steering Committee have executed this Agreement, as of the date first above written.

**ATTESTING WITNESS**

**SOUTHEASTERN WISCONSIN  
REGIONAL PLANNING COMMISSION**

By \_\_\_\_\_  
Philip C. Evenson  
Deputy Secretary

By \_\_\_\_\_  
Thomas H. Buestrin  
Chairman

**ATTESTING WITNESS**

**MILWAUKEE COUNTY AUTOMATED  
MAPPING AND LAND INFORMATION  
SYSTEM STEERING COMMITTEE**

By \_\_\_\_\_  
Kevin R. White  
Project Manager

By \_\_\_\_\_  
Kurt W. Bauer  
Chairman

**APPROVED AS TO FORM**

By \_\_\_\_\_  
William J. Domina (Date)  
Milwaukee County Corporation Counsel

**REVIEWED AS TO  
INDEMNIFICATION AND INSURANCE**

By \_\_\_\_\_  
John R. Rath (Date)  
Milwaukee County Department of Risk Management

**APPROVED AS TO CHAPTER 42  
DBE PROVISIONS**

\_\_\_\_\_  
Frieda F. Webb (Date)  
Milwaukee County DBD Director

IV d

# PICTOMETRY INTERNATIONAL CORP.

## PROPOSAL FOR IMAGING OF MILWAUKEE COUNTY

**Deliverables**

Pictometry will license images and software to Milwaukee County as provided herein. A License Agreement is for a term of two (2) years with an annual license fee. The standard Image Library is captured every two years.

**Images**

*Community Images:*

- 1152 Ortho-rectified – Approximately 4 for each sector with 1 foot pixel resolution
- 1152 Oblique – Approximately 4 for each sector. 2 each from opposing directions

*Neighborhood Images:*

- 9216 Ortho-rectified – Approximately 32 for each sector with 6 inch pixel resolution
- 18,432 Oblique – Approximately 64 images for each of the 288 estimated sectors to be selected by county

These will provide views from four perpendicular directions.

*Mosaiced Sector Tiles:*

- 288 Ortho-rectified sector tiles – Approximately 1 each, at one meter pixel resolution, for the full coverage area.

**Annual License Fee**

*Community Images (Oblique)*

List price	\$ 70 per sector per year
Less Discount (40%)	\$ 28
	\$ 42 per sector per year @ 288 sectors = \$ 12,096 per year

*Community Images (Orthogonal)* No Additional Charge

*Neighborhood Images (Oblique)*

List Price	\$380 per sector per year
Less Discount (40%)	\$152
	\$228 per sector per year @ 288 sectors = \$ 65,664 per year

*Neighborhood Images (Orthogonal)* No Additional Charge

*Mosaiced Sector Tiles:* No Additional Charge

**Total Annual License Fee = \$ 77,760 per year.**

**First Year**

Annual Image License Fee \$ 77,760

**Second Year**

Annual Image License Fee \$ 77,760

**Two Year Total \$ 155,520**

Additional Options:

- Option 1: 9-1-1 Integration - \$750/seat - up to \$5000 cap for a PSAP with unlimited seats - Cap of \$15K for all PSAPs in the County. This is a one time charge.
- Option 2: ArcIMS Integration - \$595/Server - Price includes software, scripts and 1 additional hour of support. Customer must also sign a Thin Client Deployment Agreement. This is a one time charge per contract term.
- Option 3: Image Library Compression - \$2,500 for up to the first 50,000 images.
- Option 4: Change Analysis Module - \$1000/seat (minus 25% discount) = \$750/seat - up to a "department" cap of \$5000 for unlimited seats within the department - Cap of \$15K covers all seats in all departments of the county.
- Option 5: Private Utility Pricing - \$5,000 plus 20% of Licensee's annual fee/year/utility

Authorized Users:

Any County employee or department is authorized to use Licensed Products for County business only. In addition, any employees or departments of the cities, towns, and villages within the County may, with the County's permission, use Licensed Products for official use only.

General Notes:

- The License Agreement covers a period of two years.
- The prices in this proposal are effective for a period of six months.
- These prices include installation and initial training
- Once licensed the standard library will be captured every two years and these Image prices are then guaranteed for one additional shoot after which there will be no more than a 10% increase per year.
- The Client Image Warehouse and Electronic Field Study will be installed on a County hard drive.
- This description is for proposal purposes only and is not a contract. The specific terms and conditions pertaining to the usage of the images and software are contained in the standard License Agreement, which will be executed by the County and Pictometry International.

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# SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

W239 N1812 ROCKWOOD DRIVE • PO BOX 1607 • WAUKESHA, WI 53187-1607

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## MEMORANDUM

TO: MCAMLIS Steering Committee

FROM: SEWRPC Staff

DATE: October 31, 2005

SUBJECT: **PROPOSAL FOR THE USE OF MCAMLIS 2005 COLOR DIGITAL ORTHOPHOTOGRAPHY AND DIGITAL TERRAIN MODELS BY THE UNITED STATES GEOLOGICAL SURVEY AND THE HOMELAND SECURITY ADMINISTRATION**

### Background

At five year intervals, in years ending in zero and five, the SEWRPC typically acquires aerial photography/orthophotography sufficient to cover its seven-county planning jurisdiction and immediate environs. The 2005 program originally envisioned the acquisition of 1-foot pixel, color, digital orthophotography for the entire seven-county region. Milwaukee and Waukesha Counties, however, initiated separate efforts to acquire larger-scale, 6-inch pixel, color, digital orthophotography through programs funded by their own resources.

It had been the SEWRPC's subsequent intent, therefore, to offer partial cost offsets to these two counties in lieu of the SEWRPC acquiring its own smaller-scale, color, digital orthophotography coverage. These cost offsets to Milwaukee and Waukesha Counties would have been equal to the per square mile cost of acquiring the smaller-scale, color, digital orthophotography over those two counties. The inability to carry out the originally planned acquisition effort, however, due to the unexpected loss of a portion of the planned funding for this program, rendered offering these cost offsets to Milwaukee and Waukesha Counties non-feasible in January of 2005.

Since that date, the SEWRPC has been able to obtain additional fiscal support from the United States Geological Survey (USGS) acting on behalf of the Homeland Security Administration (HSA). This additional funding support from the USGS again makes it feasible for the SEWRPC to offer a cost offset - - albeit smaller than originally planned -- to MCAMLIS to partially support the preparation of 6-inch color, digital, orthophotography under MCAMLIS's own 2005/2006 Topographic Mapping Program.

### Proposal

The additional USGS funding will now allow the SEWRPC to offer partial cost offsets to both Milwaukee and Waukesha Counties. In the case of Milwaukee County, the total amount of this cost offset is \$6,200.00. This amount has been determined on the basis of Milwaukee County's proportion of the total area coverage of the original program, multiplied by the amount of the USGS grant involved. In exchange for receiving this cost offset, Milwaukee County would be asked to provide copies of its 2005,

6-inch pixel, color, digital orthophotography (which covers approximately 80 percent of the areal extent of Milwaukee County, the balance of the MCAMLIS 2005-2006 Topographic Mapping Program digital color orthophotography being obtained from aerial photography acquired in 2004) to the USGS. The USGS would, in turn, pass copies of these digital orthophotography files on to the HSA for its internal use and for posting on its publicly accessible website. MCAMLIS would further permit the USGS to use internally the digital terrain model files being acquired by the MCAMLIS 2005-2006 Digital Mapping Program to augment and update *The National Map* maintained by USGS. Under these provisions, the MCAMLIS digital orthophotography files would become publicly available through either USGS or HSA; however, the USGS would agree to not redistribute the digital terrain model files to any third parties.

In addition, as part of this arrangement, the SEWRPC would provide to MCAMLIS 2005, 6-inch pixel, color, digital orthophotography for those portions of Milwaukee County (essentially, Township 8 North, Ranges 21 and 22 East) for which 2005 digital orthophotography will not be available through the MCAMLIS 2005-2006 Topographic Mapping Program. These files would be created by resampling 1-foot pixel, color, digital orthophotography which was obtained by the SEWRPC as part of its 2005 Regional Digital Orthophotography Program.

**Fiscal Administration of the Cost Offset**

The December 22, 2004, Agreement between the SEWRPC and the MCAMLIS Steering Committee governing the conduct of the MCAMLIS 2005-2006 Topographic Mapping Program calls for payment by the MCAMLIS Steering Committee of \$3,252,710.00 to the SEWRPC for its services. The amount of the cost offset for the use by the USGS and the HSA of the 2005, 6-inch pixel, color, digital orthophotography and the digital terrain model files produced under the terms of this Agreement, or \$6,200.00, would be deducted from the current Agreement amount owed to the SEWRPC resulting in a revised total Agreement amount of \$3,246,510.00. The amount of \$6,200.00, representing the cost offset, would be deducted from the fourth quarter, 2005, payment amount owed to the SEWRPC for its services in carrying out the December 22, 2004, Agreement. This fourth quarter 2005 payment of \$510,000.00 would be reduced, therefore, to \$503,800.00.

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\* \* \*



Department of Administration  
Information and Technology  
Management Division

October 19, 2005

Tom Barrett  
Mayor

Sharon Robinson  
Administration Director

Randolf A. Gschwind  
Chief Information Officer

IV 8

To: MCAMLIS Board Members  
From: City of Milwaukee, Nancy A. Olson  
Regarding: Maintenance on City of Milwaukee Maps

At the August 26, 1999 meeting of the Milwaukee County Automated Mapping and Land Information System (MCAMLIS) board, board members approved the first of several projects to bring City of Milwaukee map files into compliance with MCAMLIS standards. Since that time several additional agenda items regarding City of Milwaukee map maintenance have come before the board for discussion.

Beginning on July 22, 2003, the City Of Milwaukee GIS Manager held a series of discovery meetings to determine whether the MCAMLIS-funded position in the Milwaukee County Register of Deeds office, which maintains maps of county suburbs, could perform the same function for City maps. Meeting participants included City of Milwaukee representatives Mary Reavy (City Assessor), David Fortney (Assessment Systems Analyst), Nancy A. Olson (GIS Manager) and Milwaukee County representatives John LaFave (County Register of Deeds), Carla Rice (Tax Listing Supervisor), and Kathy Bach (GIS Technician). At the conclusion of these meetings the group determined that maintenance of the City of Milwaukee cadastral files could not be conducted at Milwaukee County offices because the City performs the tax listing function. At that time, the Register of Deeds also indicated that his office would need to add multiple positions to accomplish the tax listing function for the City and that, given available budgets, the likelihood of obtaining additional positions was remote.

Since no other suitable solution for City of Milwaukee map maintenance has subsequently been proposed, I recommend that the MCAMLIS board fund a position at the City of Milwaukee to perform this function. The duties of this position would be as follows:

- Develop and implement, with Milwaukee County, a shared parcel, street and address base.
- Using the GIS system, create and maintain computer graphic files necessary for parcel maintenance activities such as processing land combinations and land divisions, taxkey assignments, and other elements found on the cadastral files.

- Using the GIS system, create and maintain computer graphic files necessary for street and address maintenance activities such as processing changes and additions.
- Utilize and interpret source data from the Assessor's Office and the Department of Public Works, Infrastructure Services Division for the accurate maintenance of base maps using the GIS system.
- Run queries and process requests for data.
- Provide output data in various different forms for records requests.
- Interact with public and internal customers and determine their geographic information needs.
- Participate in the MCAMLIS meetings.

The position would report to the Enterprise Information Manager in the Department of Administration – Information and Technology Management Division. Required funding, including fringe benefits, would total \$67,115. I look forward to discussing this proposal with you and a decision on this issue from the MCAMLIS board that will allow the City of Milwaukee to begin the hiring process.

Sincerely,

Nancy A. Olson  
Enterprise Information Manager  
City of Milwaukee