

MILWAUKEE COUNTY AUTOMATED MAPPING
AND LAND INFORMATION SYSTEM

Sixty-third Steering Committee Meeting

AGENDA

DATE: Tuesday, December 14, 2004

TIME: 9:00 A.M.

PLACE: Milwaukee County Courthouse
County Executive's Conference Room
Room 306
901 North Ninth Street
Milwaukee, Wisconsin

NOTE: DIFFERENT MEETING LOCATION

I. Roll Call

II. Meeting Minutes

- Consideration of the minutes of the 62th Steering Committee meeting held on November 16, 2004 (copy of minutes enclosed).

III. Special Order of Business

- ✓ A. Acknowledgement of Mr. William C. (Bill) Shaw's 13 years as a member of the MCAMLIS Steering Committee

IV. Reports

- ✓ A. Report by Milwaukee County Register of Deeds staff on MCAMLIS street address file and cadastral map maintenance operations (copies of two status maps enclosed).

- ✓ B. Report by City of Milwaukee staff on the status of Milwaukee cadastral map transformation projects (copy of report and status map enclosed).

- app* C. Report by project staff on final cost and timeframe for the MCAMLIS Replacement Digital Topographic Mapping Program. *\$ 3,252,710 2 1/2 yr. prog.*

- POF* D. License Agreements executed on behalf of the Utilities Subcommittee (copy of table of executed license agreements enclosed).

- POF* E. Status of MCAMLIS cash flow (copy of cash flow table for November 30, 2004 to be distributed at meeting), and outstanding fiscal commitments and available financial resources (copy of table to be distributed at meeting).

- ✓ F. Report by Department of Administrative Services on the status of the MCAMLIS project 2005 budget request.

- app* G. Report by the Nominating Committee (copy of memorandum enclosed).

V. Old Business - *status of steering comm.*

None.

VI. New Business

- A. Review of MCAMLIS Program Status Report prepared by the outgoing MCAMLIS Project Manager (copy of project staff memorandum to be mailed prior to meeting).
- B. Consideration of the dissolution of the Agreement between the MCAMLIS Steering Committee and the SEWRPC for the publication of a MCAMLIS Newsletter.
- C. Consideration of the cancellation, effective December 31, 2004, of the Agreement between the MCAMLIS Steering Committee and the SEWRPC for overseeing the continuous maintenance program for the MCAMLIS street address data base and the MCAMLIS digital cadastral maps (copy of memorandum to be mailed prior to meeting).
- app.* D. Consideration of the request by the Milwaukee County Register of Deeds, the Milwaukee County Department of Parks and Public Infrastructure, and the Milwaukee County Department of Administrative Services to undertake the migration of MCAMLIS Data Holdings to a Geodatabase Environment (copy of memorandum enclosed).

VII. Correspondence

None

VIII. Date, time, and place of next meeting

IX. Adjournment

Kurt W. Bauer
Chairman

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

Sixty-third Steering Committee Meeting

AGENDA

DATE: Tuesday, December 14, 2004

TIME: 9:00 A.M.

PLACE: Milwaukee County Courthouse
Room 203P
901 North Ninth Street
Milwaukee, Wisconsin

I. Roll Call

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- B. Report by City of Milwaukee staff on the status of Milwaukee cadastral map transformation projects (copy of report and status map enclosed).
- C. License Agreements executed on behalf of the Utilities Subcommittee (copy of table of executed license agreements enclosed).
- D. Status of MCAMLIS cash flow (copy of cash flow table for November 30, 2004 enclosed), and outstanding fiscal commitments and available financial resources (copy of table enclosed).
- E. Report by project staff on the status of the MCAMLIS project 2005 budget request.
- F. Report by the Nominating Committee (copy of letter report enclosed).

IV. Old Business

None.

VI. New Business

- A. Review of MCAMLIS Program Status Report prepared by the outgoing MCAMLIS Project Manager (copy of project staff memorandum enclosed).
- B. Consideration of dissolution of the Agreement between the MCAMLIS Steering Committee and the SEWRPC for the publication of a MCAMLIS Newsletter.

Topographic cost

- C. Consideration the cancellation, effective December 31, 2004, of the Agreement between the MCAMLIS Steering Committee and the SEWRPC for overseeing the continuous maintenance program for the MCAMLIS street address data base and the MCAMLIS digital cadastral maps (copy of memorandum enclosed).

VII. Correspondence

None

VIII. Date, time, and place of next meeting

IX. Adjournment

Kurt W. Bauer
Chairman

KWB/TDP/mlh
#101838 v1 - mcamlis agenda-63rd mtg

*discretionary funds up to \$1,000 a year
- wait till next year for recording device*

Greg High

11/24/2004 10:51 AM

To: Gary Drent/DPW/Milwaukee County@milwco
cc:
Subject: 63rd MCAMLIS Steering Committee Meeting

Lets discuss ASAP

----- Forwarded by Greg High/DPW/Milwaukee County on 11/24/2004 10:54 AM -----



"Thomas D. Patterson"
<TPATTERSON@SEW
RPC.org>

11/24/2004 10:43 AM

To: <GHigh@milwcnty.com>
cc: <KWhite@milwcnty.com>
Subject: 63rd MCAMLIS Steering Committee Meeting

Gentlemen:

Attached hereto is a copy of the draft Agenda for the December 14 Steering Committee meeting. Please review and confirm with me if you have any additional items of business that you wish to bring before the committee. I need any review comments and any materials for distribution to the Steering Committee members no later than December 3. Any questions, comments, or concerns, get in touch with me.

Also, if you have not already done so, please arrange to have a room available for the December 14 meeting.

Thank you for your assistance in this regard.

Tom Patterson

P.S. Happy Thanksgiving!



DOCS01-101838-v1-mcamlis agenda-63rd mtg

Calendar Entry:

Meeting

Subject:	63rd MCAMLIS Steering Committee Meeting	Location:	Courthouse Room 203p
Begins:	Tue 12/14/2004 09:00 AM	Entry type:	Meeting
Ends:	Tue 12/14/2004 10:00 AM		
Chair:	Greg High/DPW/Milwaukee County		

Invitations already sent

To: Gary Drent/DPW/Milwaukee County@milwco, Kevin White/DPW/Milwaukee County@milwco
cc:

- Pencil In Time will appear free to others.
 Mark Private Others cannot see any details about this event.
 Notify me Have Notes notify you before the event.
Categorize:

Description:

Gentlemen:

Attached hereto is a copy of the draft Agenda for the December 14 Steering Committee meeting. Please review and confirm with me if you have any additional items of business that you wish to bring before the committee. I need any review comments and any materials for distribution to the Steering Committee members no later than December 3. Any questions, comments, or concerns, get in touch with me.

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Thank you for your assistance in this regard.

Tom Patterson

P.S. Happy Thanksgiving!



- DOCS01-101838-v1-mcamlis agenda-63rd mtg.DOC



"Thomas D. Patterson"
<TPATTERSON@SEW
RPC.org>

To: <KWhite@milwcnty.com>
cc: <GHigh@milwcnty.com>, <GDrent@milwcnty.com>
Subject: RE: Agenda Item

12/02/2004 02:22 PM

Gentlemen,

I have spoken with Mr. Bauer about your request to add a business item to the MCAMLIS Steering Committee meeting Agenda. He would prefer not to add the item you have requested and has suggested that you instead bring this item to the first Steering Committee meeting of 2005. In reaching this position, Mr. Bauer raised the following considerations:

Mr. Bauer would like the meeting to conclude in a minimum amount of time as he has another commitment that will require him to leave around 11:00 am.

Ms. O'Brien has already informed us that she will need to leave the meeting also about 11:00 am to attend another meeting in the Courthouse for which her attendance is required.

As a practical matter, even if approval of this request occurred at the December 14 meeting, the two weeks remaining in 2004 following the meeting would not permit any significant work on the project to occur during 2004, especially given the rapidly approaching Christmas season.

At the beginning of 2005, responsibilities for meeting scheduling and the meeting agendas will pass to the DPPI staff and you would be able to convene a meeting of the Steering Committee as early as the first week of January, should you so desire, to place this item before the Steering Committee for its consideration.

Please let me know if you are in accord with Mr. Bauer's request that this item not be brought before the Steering Committee at the December 14 meeting.

Thank you.

Tom Patterson
MCAMLIS Project Manager
SEWRPC
262-547-6721
tpatterson@sewrpc.org

-----Original Message-----

From: KWhite@milwcnty.com [mailto:KWhite@milwcnty.com]
Sent: Thursday, December 02, 2004 12:01 PM
To: Thomas D. Patterson
Cc: GHigh@milwcnty.com; GDrent@milwcnty.com
Subject: Agenda Item

Tom,

Attached is the item we would like added to the agenda.

Kevin

Kevin R White
GIS Supervisor
Milwaukee County
Department of Parks & Public Infrastructure
2711 West Wells Street
Milwaukee, WI 53208
phone: (414) 278-2176
fax: (414) 223-1982
email: kwhite@milwcnty.com

(See attached file: Migration Request.pdf)

MINUTES OF THE 62nd MEETING

Milwaukee County Automated Mapping and Land Information System Steering Committee

DATE: November 16, 2004
TIME: 9:00 A.M.
PLACE: Milwaukee County Courthouse
Room 203P
901 North Ninth Street
Milwaukee, Wisconsin

Members Present

Kurt W. Bauer, Chairman	Milwaukee County Surveyor
John M. Bennett	City Engineer, City of Franklin, representing the Intergovernmental Coordination Council of Milwaukee County
Donald L. Coe	Supervisor, Facility Location, We Energies
Gregory G. High	Director, Architectural and Engineering Services, Milwaukee County Department of Parks and Public Infrastructure, representing Thomas Carlsen, Parks Director, Milwaukee County Department of Parks and Public Infrastructure
John L. LaFave	Register of Deeds, Milwaukee County
Donald R. Nehmer	Capital Program Business Manager, Milwaukee Metropolitan Sewerage District
Clare A. O'Brien	Fiscal and Management Analyst, Milwaukee County Department of Administrative Services (representing Linda J. Seemeyer, Director, Milwaukee County Department of Administration)
Nancy A. Olson	Enterprise Information Manager, Information and Technology Management Division, City of Milwaukee
James C. Owen	Damage Prevention Manager, SBC (representing Mary B. Dowdle, Design Area Manager – Milwaukee Metro North, SBC)
John C. Place	Manager, Maps and Records, We Energies

Guests and Staff Present

Kathleen A. Bach	GIS Technician, Register of Deeds Office, Milwaukee County
David Baraniak	President, HRG Tech
Gary E. Drent	Fiscal & Budget Manager, Architectural and Engineering Services, Milwaukee County Department of Parks and Public Infrastructure
Reinhard B. Meihnsner	Manager, HRG Tech
Philip Mroczkowski	Drafting Technician, Central Drafting and Records, Infrastructure Services Division, City of Milwaukee
Thomas D. Patterson	MCAMLIS Project Manager
Loretta Watson	SEWRPC Executive Secretary
Kevin R. White	GIS Supervisor, Architectural and Engineering Services, Milwaukee County Department of Parks and Public Infrastructure

2005. Mr. Bennett cautioned against regarding all of this surplus as available for additional projects, suggesting that some amount -- such as perhaps \$250,000 -- should be held as a reserve and hedge against possible declines in receipts.

In answer to a further question by Chairman Bauer, Ms. O'Brien indicated that she had, as had been requested at the last meeting, investigated the manner in which interest on the accumulated surplus was treated in the County fiscal management system. She reported that the MCAMLIS surplus funds were held in a simple reserve fund and, as such, did not accrue interest. For interest to accrue, she said, the surplus monies would have to be placed in a trust account. Chairman Bauer indicated that whether or not MCAMLIS project surplus funds should be placed in a trust account in order to earn interest was an issue that should be considered by the Committee at a future meeting.

In answer to a question by Mr. Place, Ms. O'Brien indicated that funding for a County database implementation project had not been included in the report since the Steering Committee had not to date, approved such an implementation project.

There being no further questions or comments on the report, it was the consensus of the Committee that the report be placed on file via the minutes of the meeting (copy of the table setting forth the MCAMLIS cash flow status as of October 31, 2004, and copy of the analysis of outstanding commitments and available reserve balances attached to these minutes).

Report By Project Staff On MCAMLIS Program 2005 Budget Request

Chairman Bauer asked Ms. O'Brien to provide a report on the status of the calendar year 2005 MCAMLIS budget as submitted to the County Board by the County Executive.

Ms. O'Brien reported that the County Board had acted to approve the proposed MCAMLIS budget for calendar year 2005, including an amendment to the budget as originally proposed by the County Executive. The amendment, she said, was proposed by County Board Chairman Holloway and discussed at the last meeting of the Steering Committee. She indicated that the only other official pending action necessary to complete the budget process was consideration by the County Executive of potential vetoes, an action clearly not anticipated with respect to the MCAMLIS budget.

There being no further questions or comments on the report, it was the consensus of the Committee that the report be placed on record via the minutes of the meeting.

OLD BUSINESS

Report By Utility Representatives On Review Of Technical Specifications For The Milwaukee County GIS Database Design Project

Chairman Bauer noted that at the November 2, 2004, Steering Committee meeting, it had been decided that representatives of the private utilities would review with cognizant members of their agency staffs the geodatabase design set forth in reports prepared for Milwaukee County by the consulting firm of GeoAnalytics. Utility representatives were to report at this meeting as to whether or not the proposed County geodatabase design would be compatible with computer software and hardware systems utilized by the utilities. Chairman Bauer then asked the utility representatives present to report upon this review.

In answer to a question by Chairman Bauer, Mr. Meishner indicated that a study area had not as yet been defined, but that he would expect the area to be approximately one square mile in extent and to probably be located in the City of Franklin.

Mr. High observed that the development of an efficient Digger's Hotline system would require not only the use of the MCAMLIS cadastral base maps but also the monumented survey control network. Chairman Bauer agreed noting that by State law all land subdivision plats and certified survey maps had to be "tied" to the U.S. Public Land Survey System. Within Milwaukee County such ties placed the plats and maps on the State Plane Coordinate System and referenced all bearings to grid north.

Chairman Bauer then summarized the discussion indicating that, if approved, the proposed Digger's Hotline pilot study would delineate a study area of one square mile in the City of Franklin; would demonstrate the use of the MCAMLIS base maps and survey control network as the foundational elements for the Digger's Hotline database; would demonstrate the means by which new subdivision plats and certified survey maps could be incorporated into that data base in an automated format in a timely manner; and would result in recommendations to Digger's Hotline, the utilities, the County, and the local municipalities concerning a future course of action in this respect. The pilot study, he said, would have to provide estimates of the costs entailed in the adoption by Digger's Hotline of the MCAMLIS base maps and of the process proposed for the timely incorporation of new plats and certified survey maps into the Digger's Hotline database.

In answer to a question by Ms. O'Brien, Chairman Bauer indicated that it should not be assumed at this time that the costs entailed in converting the Digger's Hotline base maps to MCAMLIS base maps would necessarily be borne by MCAMLIS.

Ms. Olson noted that the proposal envisions the establishment of a project team, and she asked that if the project proceeds the City of Milwaukee Department of Public Works be made a member of that team. Chairman Bauer noted that the study proposal did not define the composition of the team; but presumably the team would include, at a minimum, representatives of the utilities, Digger's Hotline itself, the City of Milwaukee - as just requested, the suburban municipalities, and the Wisconsin Society of Land Surveyors.

Mr. Bennett urged approval of the proposed study indicated that this study was the first project specifically requested by the utilities that originally helped finance MCAMLIS.

There being no further questions or comments, on a motion by Mr. High, seconded by Mr. Owen and carried unanimously, the Digger's Hotline pilot study was approved at a cost not to exceed \$75,000, and Mr. Place was asked to prepare the necessary contracts; to secure the needed reviews by the County Corporation Counsel, the County Risk Manager, and the County Disadvantaged Business Manager; to secure the execution of the contract by the appropriate Steering Committee and Digger's Hotline representatives; and to amend the MCAMLIS strategic plan to include the study.

Consideration Of An Administrative Services Support Agreement Between The Steering Committee And The Milwaukee County Department Of Administrative Services

Chairman Bauer noted that an agreement proposed to be entered into between Milwaukee County Department of Administrative Services and the Steering Committee for the provision of administrative and fiscal management services to the MCAMLIS Program for 2005 had been provided to Steering Committee members for their review prior to the meeting. He then asked Ms. O'Brien to review the proposed agreement with the Steering Committee.

There being no comments or questions on this issue, on a motion by Mr. Bennett, seconded by Mr. High, and carried unanimously, the proposed agreement between the Steering Committee and SEWRPC for County Surveyor services for 2005 was approved. Mr. Patterson was asked to secure the needed reviews of the Agreement by the Milwaukee County Corporation Counsel, the Milwaukee County Risk Manager, and the Milwaukee County Disadvantaged Business Manager, and to secure the execution of the Agreement by the appropriate Steering Committee and SEWRPC representatives.

Appointment Of A Nominating Committee For The Election Of MCAMLIS Steering Committee Officers For 2005

Chairman Bauer noted that with the end of 2004 approaching it was appropriate for the MCAMLIS Steering Committee to consider the election of officers for 2005. Accordingly, he was appointing the following Steering Committee members to serve as a Nominating Committee: Messrs. Bennett, High, and Place, with Mr. Bennett to act as Chairman.

Chairman Bauer further noted that he was asking Mr. Bennett to convene the Nominating Committee and present a slate of officers for consideration at the next MCAMLIS Steering Committee meeting. Chairman Bauer further noted, in this regard, that traditionally the elected Steering Committee officers had been a Chairman and a Vice-Chairman. The position of Secretary had historically been provided by the organization providing project management services to the MCAMLIS program.

CORRESPONDENCE

Chairman Bauer reminded the Committee that Mr. William Shaw no longer represented the electrical power services of We Energies on the MCAMLIS Steering Committee. He noted that a copy of the communication received from Mr. Shaw in this regard had been provided to Steering Committee members for their consideration prior to the November 2, 2004, Steering Committee meeting, but that the press of other Steering Committee business had prevented the Committee from doing so.

After some brief discussion, Chairman Bauer asked for a motion to have a formal resolution and plaque prepared expressing appreciation to Mr. Shaw for his diligent and long term service on the Steering Committee. On a motion by Ms. Olson, seconded by Mr. Bennett, and carried unanimously, the project management staff was directed to prepare such a resolution and plaque for presentation to Mr. Shaw.

[Secretary's Note: A copy of the resolution prepared by the project management staff is attached to these minutes.]

DATE, TIME, AND PLACE OF NEXT MEETING

Chairman Bauer then asked the Committee to consider the date, time, and place of the next Committee meeting. After brief discussion, it was agreed that the next meeting of the Committee would be scheduled to be held on Tuesday, December 14, 2004, beginning at 9:00 a.m. in the Milwaukee County Courthouse, Room 203P.

ADJOURNMENT

There being no further business to come before the Steering Committee, on a motion by Mr. Bennett, seconded by Mr. High and carried unanimously, the meeting was adjourned at 10:30 a.m.

EXECUTED LICENSE AGREEMENTS

Number of Executed Agreements		Licensee	Effective Date
Since 1995	For 2003	2003	
90.	1.	North Shore Fire Department	1/13/03
91.	2	Planning & Design Institute, Inc.	2/6/03
92.	3.	Nancy M. Aten	2/12/03
93.	4.	Graef, Anhalt, Schloemer and Associates, Inc.	4/2/03
94.	5.	Sandridge Commercial Real Estate, LLC	4/25/03
95.	6.	Bloom Consultants LLC	7/11/03
96.	7.	Landscape Architects, Inc.	7/22/03
97.	8.	Jenkins Survey and Design, Inc.	7/23/03
98.	9.	Access Engineering LLC	7/30/03
99.	10.	Fifth Ward Association	12/08/03
100.	11.	West Allis-West Milwaukee School District	12/10/03
Since 1995	For 2004	2004	
101.	1.	The Sigma Group	01/21/02
102.	2.	T N & Associates	02/20/04
103.	3.	Hayes Engineering Company	02/23/04
104.	4.	Geocomm	03/30/04
105.	5.	J. Spear Associates, Inc.	06/16/04
106.	6.	Key Engineering Group, Ltd.	07/21/04
107.	7.	LandCraft Survey and Engineering, Inc.	08/26/04
108.	8.	The Design Office	10/06/04
109.	9.	Friebert, Finerty & St. John, S.C.	10/26/04
110.	10.	Hiller Consulting, LLC	10/28/04

**MCAMILS FINANCIAL REPORT
(ADJUSTED FOR ENCUMBRANCE)**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	10/31/2004	TOTAL
	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	
Beginning Period Reserve-January 1	0	283,340	595,922	695,124	952,054	1,990,280	1,339,649	1,415,929	1,532,289	1,943,499	2,288,015	2,130,541	2,336,378	2,748,988	3,783,878	3,783,878
Mid-Year Reserve Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Current Period Reserve	0	283,340	595,922	695,124	952,054	1,990,280	1,339,649	1,415,929	1,532,289	1,943,499	2,288,015	2,130,541	2,336,378	2,748,988	3,783,878	3,783,878
Recording Fees (\$4.00 Portion)	101,886	324,983	612,592	676,093	647,355	503,342	574,328	644,508	769,820	773,078	609,683	743,977	918,012	1,176,762	695,780	9,774,199
Recording Fees (\$1.00 Portion)	0	0	0	0	0	0	0	0	0	0	0	72,968	230,597	295,988	148,442	747,995
State Grants	0	0	0	150,000	200,000	165,000	138,500	55,300	139,226	152,270	103,895	325,997	197,979	223,055	34,136	1,885,358
1 Private Utility Contributions	312,000	312,000	312,000	312,000	312,000	0	0	0	0	0	170,000	0	0	0	0	520,000
2 MMSD Contribution	0	0	0	50,000	50,000	50,000	50,000	50,000	50,000	50,000	0	0	0	0	0	520,000
Annual Revenue	413,886	636,983	924,592	1,189,093	1,209,355	718,342	782,828	749,808	959,046	975,348	863,578	1,142,942	1,346,568	1,697,805	878,358	14,487,552
TOTAL FUNDS AVAILABLE	413,886	920,323	1,520,514	1,883,217	2,161,409	2,708,622	2,102,477	2,165,737	2,491,335	2,918,847	3,171,593	3,273,483	3,682,966	4,446,793	4,662,236	18,271,430
Additional Encumbrance	100,000	22,075	534,849	272,943	-900,864	112,067	308,902	367,776	361,560	386,754	586,545	737,559	577,619	375,752	382,662	4,226,239
Less Prior Year Additional Encumbrance	-100,000	-100,000	-22,075	-534,849	-272,943	900,864	-112,067	-308,902	-367,776	-361,560	-586,545	-737,559	-577,619	-375,752	-375,752	-3,843,556
Legal Fees	0	350	600	0	0	0	0	0	0	0	0	0	0	0	0	950
Systems Consulting (UGC)	0	128,638	0	0	0	0	0	0	0	0	0	0	0	0	0	128,638
USPLS Remonumentation	0	41,260	0	0	0	0	0	0	0	0	0	0	0	0	0	41,260
Horizontal/Vertical Control Surveys	0	144,443	0	0	0	0	0	0	0	0	0	0	0	0	0	144,443
Aerial Photos/Mapping	21,555	17,925	292,080	1,178,794	1,340,370	356,953	490,821	576,268	556,108	608,450	842,594	787,620	1,095,708	866,757	461,130	9,493,112
Project Facilitator	8,991	73,567	21,650	14,995	0	0	0	0	0	0	0	0	0	0	0	119,203
Conference	0	59	1,046	319	0	0	528	0	0	0	0	0	0	0	0	1,953
RoD Computer Hardware/Software	0	0	0	0	6,291	797	0	0	0	0	0	0	0	0	0	7,088
RoD Materials Copied	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Computer Maintenance	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	26
Computer/Office Supplies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPW Needs Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IMSD Strategic Initiative	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Contractual Crosscharges	40	554	13	0	0	0	3	5	0	0	343	0	442	0	1,399	
Charges Paid By Other Departments	0	-4,470	-2,752	-1,040	-1,724	-1,708	-1,664	-1,700	-2,116	-2,792	-1,676	-1,529	-2,232	-1,975	-1,030	-28,408
Miscellaneous	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	40
Annual Expenditures	30,566	402,326	312,616	1,193,069	1,344,936	356,042	489,713	574,573	554,032	605,658	841,261	786,091	1,093,918	864,782	460,100	9,909,704
TOTAL EXPS / ENCUMBRANCES	130,566	324,401	825,391	931,162	1,711,130	1,368,973	686,548	633,448	547,836	630,832	1,041,052	937,105	933,978	662,915	467,030	14,135,943
NET AVAIL FUNDS (END RESERVE)	283,300	595,922	695,124	952,054	1,990,280	1,339,649	1,415,929	1,532,289	1,943,499	2,288,015	2,130,541	2,336,378	2,748,988	3,783,878	4,195,206	4,135,487

1. 1994 was the final year for this revenue source.
2. \$50,000 will be paid each year through 2000, and \$20,000 in 2003.

MCAMLIS Outstanding Commitments

Description	2004 Outstanding Commitments	Remaining MCAMLIS Reserve Balance ¹
Register of Deeds Computer Equipment ²	435,840	3,759,366
SEWRPC Water Study	87,262	3,672,104
Topographic Mapping Project	3,140,505	531,599
Digger's Hotline Study ³	75,000	456,599
Total Projected 2004 Ending Balance		456,599

Description	2005 Outstanding Commitments	Remaining MCAMLIS Reserve Balance ⁴
MCAMLIS Floodland Mapping Phase 2 ⁵	145,300	1,265,299
County A&E Project Management/ROD staff person ³	280,284	985,015
Register of Deeds Real Estate Software	142,000	843,015
SEWRPC Water Study ⁶	87,262	755,753
County Surveyor ³	60,000	695,753
County Dept of Administrative Services Fiscal Management ³	25,000	670,753
Miscellaneous	2,000	668,753
Total Projected 2005 Ending Balance		668,753

¹As of 10/31/04, this is the balance remaining in the reserve. In terms of the 2004 budget, as of 11/5/04, \$903,163 in revenue had been realized compared to budgeted revenue of \$912,500. Of this amount, \$100,000 was anticipated from the State but actual State revenue realized to date is only \$34,136. Despite the State revenue shortfall, revenue actuals are close to budgeted revenue due to overrealized general recording fees. Final revenue numbers from the State are expected at the end of November.

²A total of \$525,000 has been budgeted for this purpose but \$89,160 has been spent leaving a remaining commitment of \$435,840.

³This contract is subject to approval by the next MCAMLIS Committee scheduled for Nov. 16.

⁴This figure reflects the '04 projected year-end reserve balance & the '05 appropriation of \$954,000 which includes \$79,000 from the State. The remaining revenue of \$875,000 reflects *anticipated* recording fee revenue for 2005. If the MCAMLIS budget experiences a revenue shortfall, funds will be drawn from the MCAMLIS reserve to make the budget whole.

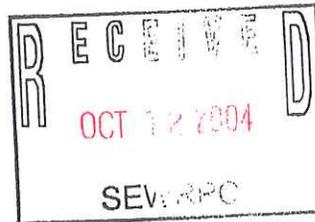
⁵ A final amount of \$145,300 is anticipated for 2006 for a total contract of \$436,000 budgeted over 2004-06.

⁶ A final amount of \$87,263 is anticipated for 2006.



October 12, 2004

Mr. Thomas D. Patterson
MCAMLIS Project Manager
c/o Southeastern Wisconsin
Regional Planning Commission
W239 N1812 Rockwood Drive
PO Box 1607
Waukesha, WI 53187-1607



*Proposal to Develop an Automated Update Procedure
for the
Diggers Hotline Land Information System*

Background

Historically, one of the organizations with the greatest need for a current land information database and information about newly recorded subdivision plats and certified survey maps is Diggers Hotline. Diggers Hotline is the statewide one-call notification system for Wisconsin that was developed in order to provide excavators and the general public the ability to inform multiple owners of underground facilities subject to non-emergency excavation with a single telephone call. It is important to note that Diggers is a not for profit organization whose primary responsibility it is to route the locate requests (tickets) to the appropriate municipality and utility. Municipalities and utilities are assessed a fee for the service and that fee is based on the number of tickets routed to their organization.

To better understand the magnitude of work processed through the one call center, Diggers Hotline received 62,730 locate requests for Milwaukee County during 2003. This means that in total, We-Energies Electric, We-Energies Gas and SBC received approximately 188,000 locate tickets for Milwaukee County alone. For all of Wisconsin, We-Energies paid out a total of approximately 1 million dollars to Diggers Hotline and another 10 million dollars to respond to the locate requests. With such a high work volume, it is easy to understand why Diggers Hotline has a desperate need for new land information in order to accurately process and direct the locate tickets.

Diggers Hotline currently uses an off the shelf land information database and is frequently challenged with the task of receiving and routing locate requests for new streets or subdivisions that have not been posted to its system. A shortcoming of the database is the fact that it does not have the positional accuracy of MCAMLIS and represents more of a schematic mapping system as opposed to a survey controlled land

information system. While additions or changes are posted to the database on an annual basis, the updates are delivered long past the time that the information is needed.

Historically, new developments generate an average of 17 locate requests and those requests are received shortly after the subdivision plats or certified survey maps are approved and construction work begins. For such new areas, locate tickets are often described in very general terms or directions and estimated distances from existing known landmarks or intersections. To be safe and certain that the request will cover the appropriate area, Diggers Hotline often issues a ticket for an area that is significantly larger than necessary. This not only wastes staff resources, it results in unnecessary costs that are ultimately passed along to utility ratepayers and municipality taxpayers.

Investigation

Cost considerations alone have resulted in We-Energies and SBC seeking resolution of this serious mapping problem with Diggers Hotline. An investigation has already been completed that explored the use of new technology and development of procedural changes for integrating new subdivision plats and certified survey maps into Diggers Hotline in a better and more timely manner. A means for automating the updating of the land information database immediately upon approval of the new subdivision plats and certified survey maps is the ultimate solution envisioned.

That solution has demonstrated the most promise includes the following:

- Use of software that can merge and geo-reference files generated from different software products such as AutoCad and MicroStation and separate the feature information into layers that allows for that information to be referenced from Portable Document Format (PDF) files using Adobe Acrobat software.
- Establish a comprehensive set of electronic database standards and specifications that land surveyors, employed by developers, comply with when submitting plans for community approval.
- Require the use of the MCAMLIS database by the Diggers Hotline.

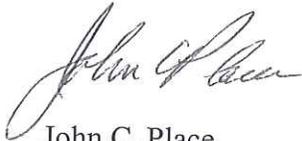
Further investigation determined that prototyping the process with a community in Milwaukee County would be the best way to proceed and will produce a model or models that would apply to the balance of communities in Milwaukee County. The expectation is that the study will produce a means for adopting the MCAMLIS database for use by Diggers Hotline and a tested set of specifications and process flow, including costs, to facilitate the update of the database for local units of government in Milwaukee County, the utilities and Diggers Hotline.

Proposal

We have had discussions with representatives of SBC and both of our companies would like to see the following proposal approved by the MCAMLIS Steering Committee. We-Energies and SBC are hereby requesting that MCAMLIS Staff be authorized to undertake a prototype study that will produce a tested set of specifications and process flow to facilitate the update of the database for Diggers Hotline, the utilities, and units of government in Milwaukee County. A final report would be produced setting forth the findings of the prototype study to the Milwaukee County Automated Mapping and Land Information System (MCAMLIS) Steering Committee and the recommendations on how to proceed with the balance of work for Milwaukee County.

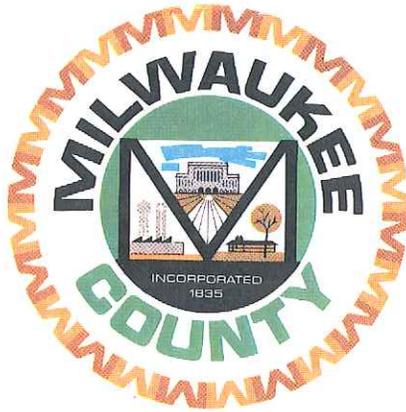
The cost for implementation of the prototype study is estimated as not to exceed \$75,000. The prototype study would include the establishment of a project team including participants from the utilities, municipalities, the Wisconsin Society of Land Surveyors, Milwaukee County and Diggers Hotline. The project would be completed in approximately 6 calendar months.

Sincerely,



John C. Place
Manager Gas Planning Engineering & Mapping

Cc: Mr Jim Owen, SBC



THE
MILWAUKEE COUNTY AUTOMATED MAPPING AND
LAND INFORMATION SYSTEM STEERING COMMITTEE
PRESENTS THIS CITATION
TO

WILLIAM C. SHAW

IN SINCERE APPRECIATION
OF HIS DEDICATED SERVICE AND LEADERSHIP
AS A MEMBER OF THE STEERING COMMITTEE
FROM FEBRUARY 22, 1991 THROUGH OCTOBER 19, 2004

Whereas, William C. Shaw has served as a member of the Milwaukee County Automated Mapping and Land Information System Steering Committee from February 22, 1991 through October 19, 2004; and

Whereas, he represented the City of Milwaukee as a member of the Steering Committee from February 22, 1991 through June 15, 1995; and

Whereas, he represented the Wisconsin Electric Power Company, now WE Energies, as a member of the Steering Committee from March 12, 1996 through October 19, 2004; and

Whereas, he unstintingly placed his knowledge of, and expertise in, the creation and maintenance of automated land records systems, automated utility records systems, and automated mapping systems at the disposal of the Steering Committee;

Now, therefore, this citation is presented to William C. Shaw in sincere appreciation of his faithful and distinguished service in the public interest.

In testimony whereof, Mr. Kurt W. Bauer, the Milwaukee County Surveyor, as Chairman of the Steering Committee, and Mr. John L. La Fave, Milwaukee County Register of Deeds, as Vice Chairman of the Steering Committee, have here below affixed their signatures.

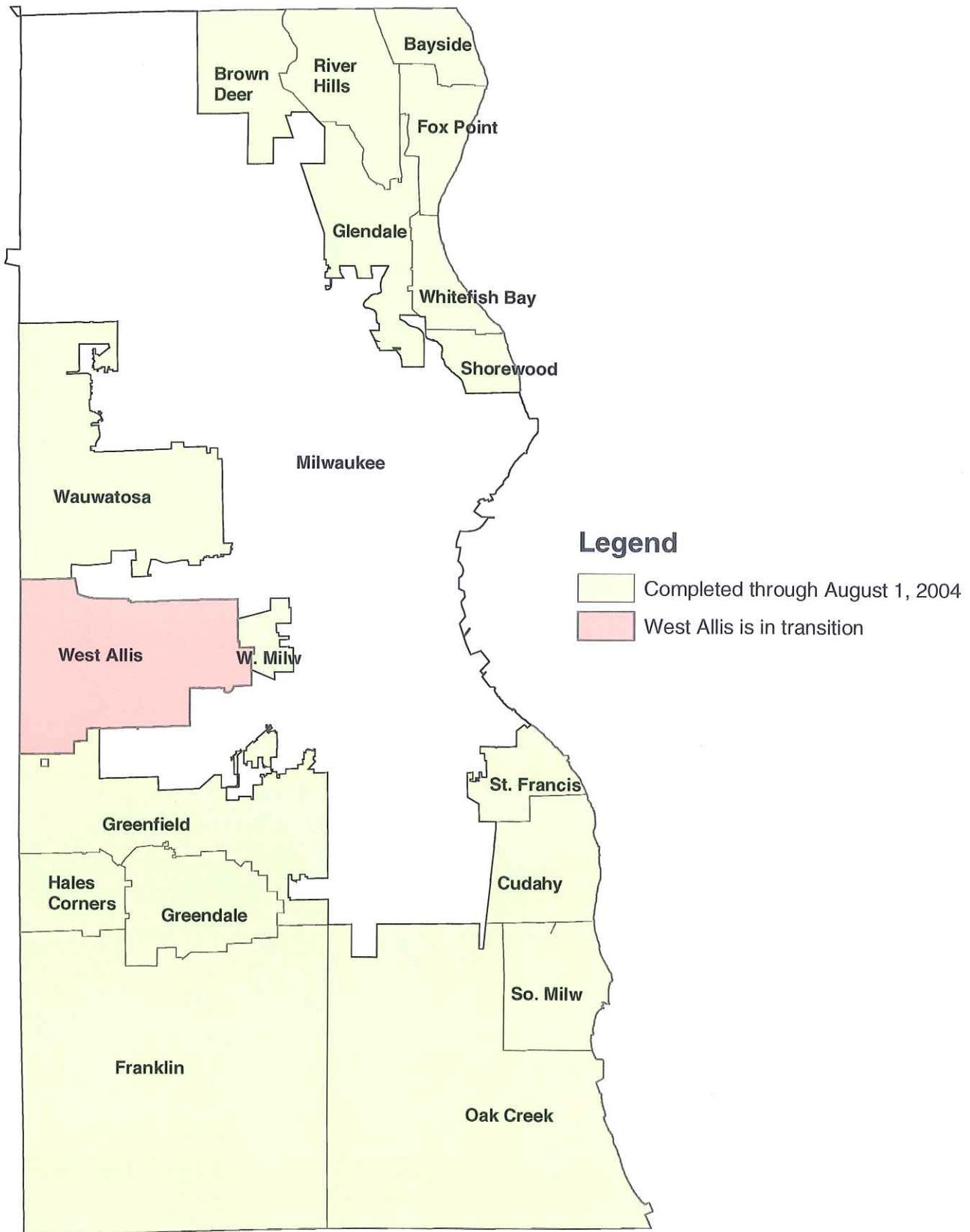
A handwritten signature in black ink that reads 'Kurt W. Bauer'. The signature is written in a cursive style with a large initial 'K'.

Kurt W. Bauer
Milwaukee County Surveyor

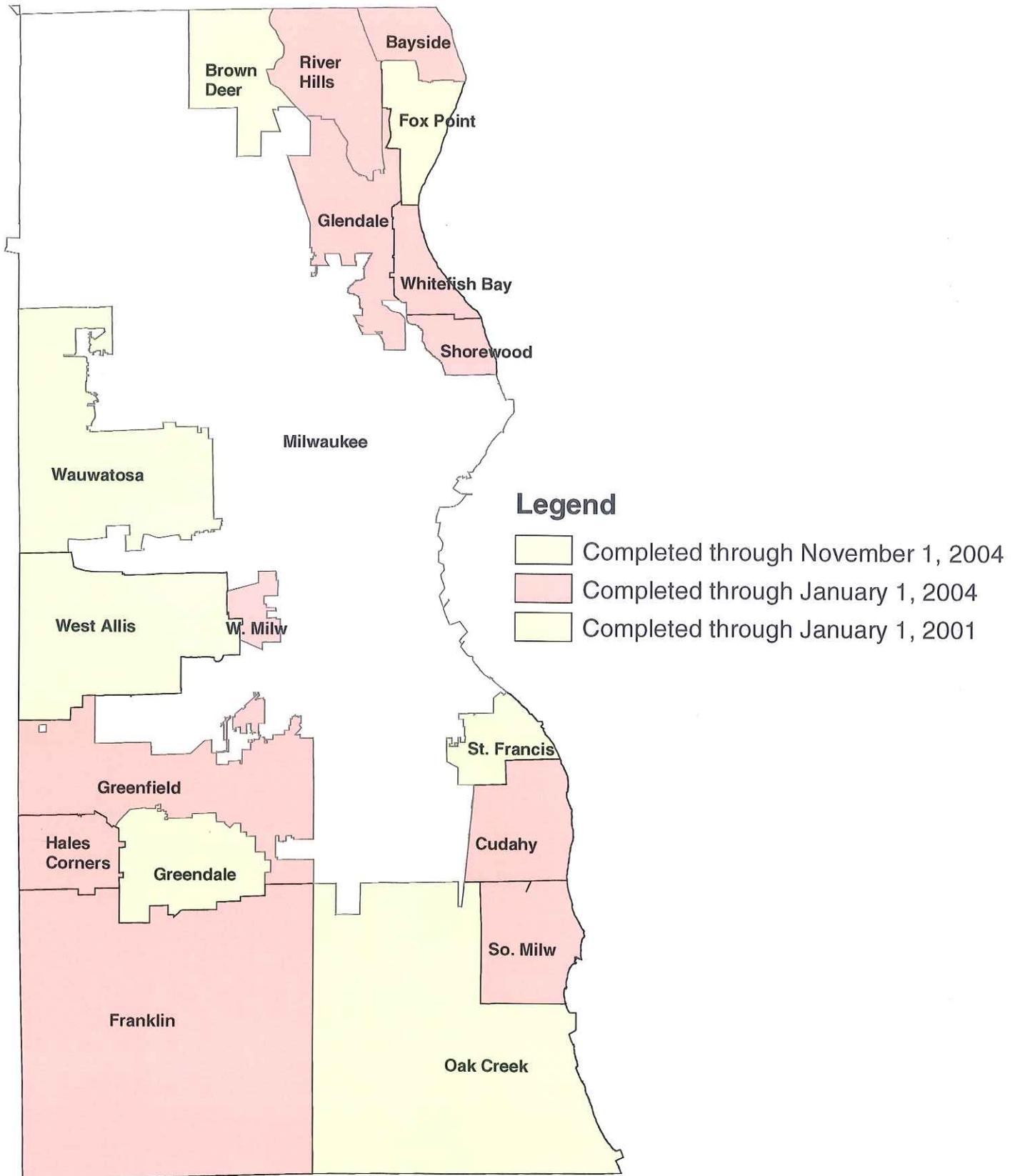
A handwritten signature in black ink that reads 'John La Fave'. The signature is written in a cursive style with a large initial 'J'.

John L. La Fave
Milwaukee County Register of Deeds

Milwaukee County Cadastral Status as of November 30, 2004



Milwaukee County Address Status as of November 30, 2004



**STATUS OF MCAMLIS MAPPING PROJECTS
BEING CARRIED OUT BY CITY OF MILWAUKEE STAFF**

The City of Milwaukee recompilation project was comprised of 40 U.S. Public Land Survey one-quarter section-based maps as delineated on the accompanying status map. These cadastral maps were compiled to fit the MCAMLIS survey control system utilizing original land records and associated descriptions and documents. This work has been carried out by the staff of the City of Milwaukee, Infrastructure Service Division, Central Drafting and Records Office. This project was completed November 30, 2001.

The City of Milwaukee cadastral map transformation project (Phase 1) consisted of 93 U.S. Public Land Survey one-quarter-section-based existing City of Milwaukee maps that were refit to the MCAMLIS survey control system utilizing computer algorithms. These 93 one-quarter section maps are delineated on an accompanying status map. This work was carried out by the staff of the City of Milwaukee, Department of Administration, Information and Technology Management Division. All 93 of the map sheets have been accepted by SEWRPC staff as meeting the relevant specifications. The agreement governing this project called for work to be completed by October, 2002. This project was completed February 25, 2003. On April 28, 2003 an addendum revised the project to include an additional 6 map sheets. This addendum called for the additional work to be completed by December 31, 2003. The additional work covered by the Addendum was completed September 16, 2003.

The City of Milwaukee cadastral map transformation project (Phase 2) consisted of 24 U.S. Public Land Survey one-quarter-section-based maps as delineated on an accompanying status map. All 24 of the map sheets have been accepted as being in compliance with the specifications in this project area. The agreement governing this project called for work to be completed by June 2002. This project was completed February 14, 2002.

The City of Milwaukee cadastral map transformation project (Phase 3) also consisted of 24 U.S. Public Land Survey one-quarter-section-based maps again as delineated on an accompanying status map. All 24 map sheets have been accepted as being in compliance with the specifications. The agreement governing this project called for work to be completed by June 2002. This project was completed February 14, 2002.

The City of Milwaukee cadastral map transformation project (Phase 4) also consisted of 24 U.S. Public Land Survey one-quarter-section-based maps again as delineated on an accompanying status map. All 24 map sheets have been accepted as being in compliance with the specifications. The agreement governing this project called for work to be completed by December 2002. This project was completed February 15, 2003. On April 23, 2003 an addendum revised the project to include an additional 6 map sheets. This addendum called for the additional work to be completed by June 30, 2003. The additional work covered by the Addendum was completed June 18, 2003.

The City of Milwaukee cadastral map transformation project (Phase 5) also consisted of 24 U.S. Public Land Survey one-quarter-section-based maps again as delineated on an accompanying status map. The agreement governing this project called for work to be completed by December 2002. This project was completed January 3, 2003. On April 25, 2003 an addendum revised the project to include an additional 6 map sheets. This addendum called for the additional work to be completed by June 30, 2003. The additional work covered by the Addendum was completed June 27, 2003.

The City of Milwaukee cadastral map transformation project (Phase 6) consisted of 26 U.S. Public Land Survey one-quarter-section-based maps again as delineated on an accompanying status map. The agreement governing this project called for work to be completed by December 2003. On April 30, 2003 an addendum revised the project to include an additional 6 map sheets. This addendum called for the additional work to be completed by December 31, 2003. The additional work covered by the Addendum was completed September 16, 2003.

The City of Milwaukee cadastral map transformation project (Phase 7) consisted of 24 U.S. Public Land Survey one-quarter-section-based maps again as delineated on an accompanying status map. The agreement governing this project called for work to be completed by April 2004. This project was completed January 30, 2004.

The City of Milwaukee cadastral map transformation project (Phase 8) consisted of 25 U.S. Public Land Survey one-quarter-section-based maps again as delineated on an accompanying status map. The agreement governing this project called for work to be completed by October 2004. This project was completed September 23, 2004.

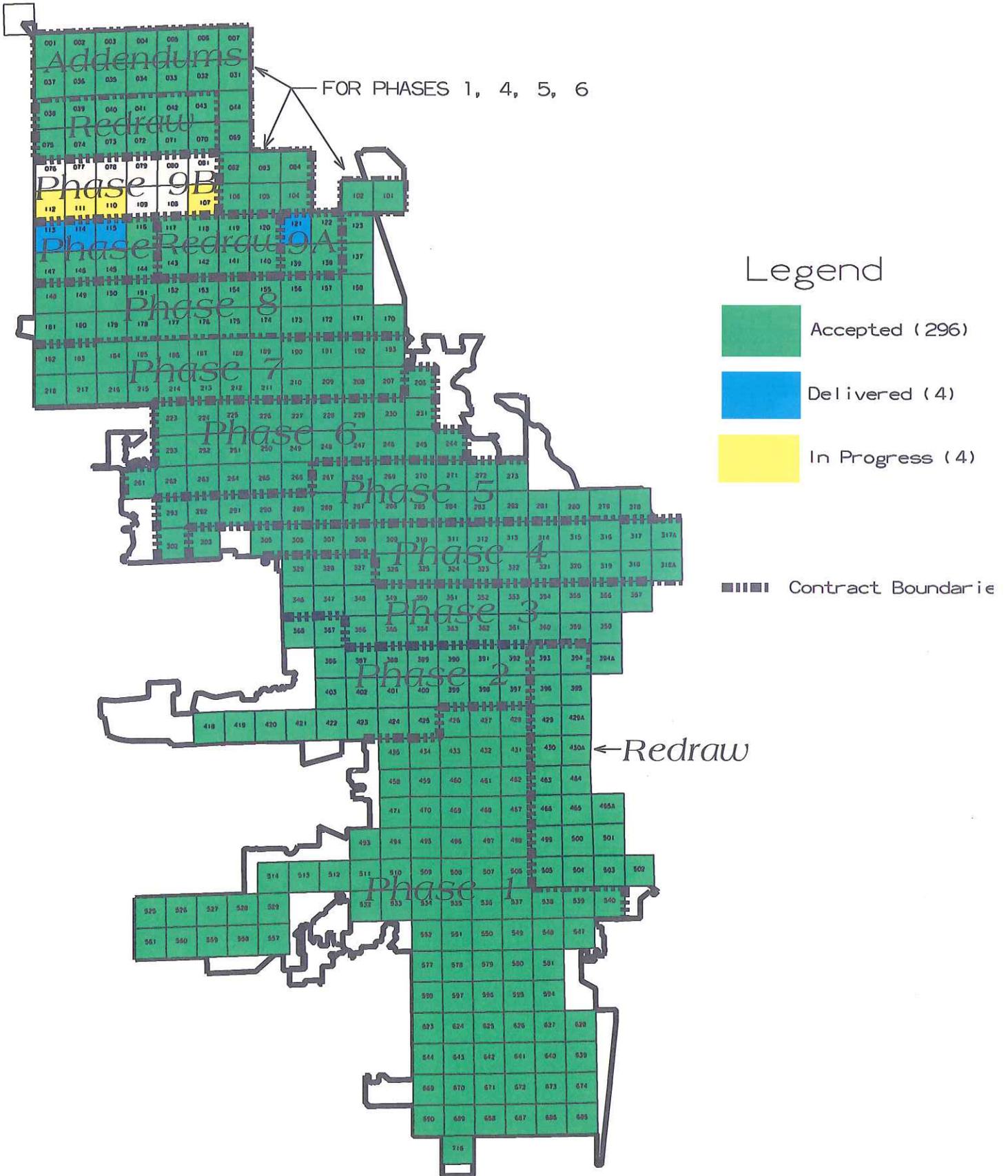
The City of Milwaukee cadastral map transformation project (Phase 9A) consists of 12 U.S. Public Land Survey one-quarter-section-based maps again as delineated on an accompanying status map. As of November 30, 2004, 12 maps from this project area have been submitted to SEWRPC staff for review and 8 map sheets have been accepted as being in compliance with the specifications. The agreement governing this project calls for work to be completed by October 2004. Due to staffing issues, the City now expects that the project will be completed by January, 2005.

The City of Milwaukee cadastral map transformation project (Phase 9B) consists of 12 U.S. Public Land Survey one-quarter-section-based maps again as delineated on an accompanying status map. As of October 26, 2004, no maps from this project area have been submitted to SEWRPC staff for review and, accordingly, no map sheets have been accepted as being in compliance with the specifications. The agreement governing this project calls for work to be completed by October 2004. Due to staffing issues, the City now expects that the project will be completed by January, 2005.

* * *

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MCAMLIS Transformation Project Progress Map



EXECUTED LICENSE AGREEMENTS

FOR THE USE OF MCAMLIS COPYRIGHTED
DIGITAL BASE MAPPING MATERIALS
BEGINNING OCTOBER 24, 1995

Number of Executed Agreements		Licensee	Effective Date
Since 1995	For 1995	1995	
1.	1.	City of Milwaukee	10/24/95
2.	2.	City of West Allis	11/27/95
3.	3.	City of Oak Creek	11/29/95
4.	4.	Village of Brown Deer	12/21/95
Since 1995	For 1996	1996	
5.	1.	City of Cudahy	1/2/96
6.	2.	Wisconsin Department of Natural Resources	2/12/96
7.	3.	City of Glendale	7/29/96
8.	4.	Village of Bayside	10/25/96
9.	5.	City of Wauwatosa	10/30/96
10.	6.	Riveredge Nature Center, Inc.	12/19/96
Since 1995	For 1997	1997	
11.	1.	City of Greenfield	1/22/97
12.	2.	Village of Whitefish Bay	3/31/97
13.	3.	Village of West Milwaukee	4/1/97
14.	4.	Wisconsin Department of Transportation	4/17/97
15.	5.	American Design, Inc.	4/23/97
16.	6.	Land Information Services, Inc.	5/6/97
17.	7.	Village of Hales Corners	5/28/97
18.	8.	City of Franklin	6/20/97
19.	9.	K. Singh and Associates, Inc.	7/8/97
20.	10.	City of South Milwaukee	10/23/97

EXECUTED LICENSE AGREEMENTS

Number of Executed Agreements		Licensee	Effective Date
Since 1995	For 1998	1998	
21.	1.	Whitnall School District	1/21/98
22.	2.	Mr. Norbert S. Theine	2/25/98
23.	3.	Durrant Architects	6/17/98
24.	4.	Miller Engineers and Scientists	7/2/98
25.	5.	Village of Fox Point	7/14/98
26.	6.	Forest Home Cemetery	9/3/98
27.	7.	University of Wisconsin-Madison	11/17/98
28.	8.	Wisconsin Lutheran College	12/8/98
Since 1995	For 1999	1999	
29.	1.	Village of River Hills	2/9/99
30.	2.	Buettner and Associates, Inc.	2/25/99
31.	3.	Ruekert & Mielke, Inc.	3/3/99
32.	4.	Kapur & Associates, Inc.	3/8/99
33.	5.	Jesse Voss, Architect, Arquitectura	3/19/99
34.	6.	Michael J. Losik & Associates, Inc.	4/1/99
35.	7.	CH2M Hill	5/13/99
36.	8.	TSP, Inc. (DBA the Shephard Partnership)	5/21/99
37.	9.	JJR Incorporated	6/21/99
38.	10.	Eppstein Uhen Architects	7/2/99
39.	11.	Northwind Technical Services, Inc.	8/2/99
40.	12.	Sixteen Street Community Health Center	9/10/99
41.	13.	Metropolitan Survey Service	10/1/99
42.	14.	Engberg Anderson Design Partnership, Inc.	11/10/99
43.	15.	The Cathedral of St. John the Evangelist	11/22/99
44.	16.	City of St. Francis	12/8/99

EXECUTED LICENSE AGREEMENTS

Number of Executed Agreements		Licensee	Effective Date
Since 1995	For 2000	2000	
45.	1.	The Kubala Washatko Architects, Inc.	3/6/00
46.	2.	The Archdiocese of Milwaukee Catholic Cemeteries	3/21/00
47.	3.	Kahler Slater Architects, Inc.	4/14/00
48.	4.	Bradley Technology and Trade School Foundation, Inc.	6/23/00
49.	5.	TDI Associates, Inc.	6/23/00
50.	6.	Triad Engineering Incorporated	6/26/00
51.	7.	LaDallman Architects, Inc.	6/30/00
52.	8.	The Zimmerman Design Group	7/17/00
53.	9.	Mr. James Dicker	7/21/00
54.	10.	Thompson Dyke & Associates, Ltd.	8/31/00
55.	11.	Mr. James Piwoni	9/13/00
56.	12.	Mr. Brian Wishne	10/20/00
57.	13.	Ms. Pamela Zipperer	10/25/00
58.	14.	Village of Greendale	11/13/00
59.	15.	University of Wisconsin-Milwaukee	12/5/00
60.	16.	Wisconsin Center District Mr. Charles C. Pesano, CFO	12/20/00
Since 1995	For 2001	2001	
61.	1.	Landcraft Survey and Engineering, Inc.	1/18/01
62.	2.	Owen Ayres & Associates, Inc.	1/23/01
63.	3.	Wisconsin State Fair Park	2/26/01
64.	4.	Natural Resource Technology, Inc.	3/16/01
65.	5.	Village of Shorewood	3/28/01
66.	6.	Hammel, Green and Abrahamson, Inc.	4/24/01
67.	7.	Reynolds, Smith and Hills, Inc.	7/12/01
68.	8.	Rettler Corporation	9/12/01
69.	9.	Milwaukee Institute of Art and Design	9/21/01

EXECUTED LICENSE AGREEMENTS

Number of Executed Agreements		Licensee	Effective Date
Since 1995	For 2002	2002	
70.	1.	Urban Ecology Center, Inc.	01/28/02
71.	2.	PBS & J	02/19/02
72.	3.	Schlitz Audubon Nature Center	03/18/02
73.	4.	URS Corporation	05/10/02
74.	5.	Architects/Planners	05/22/02
75.	6.	STS Consultants, Ltd.	07/19/02
76.	7.	HNTB Corporation	07/26/02
77.	8.	Farr Associates, Inc.	08/06/02
78.	9.	Welch Hanson Associates	08/23/02
79.	10.	Walker Parking Consultants, Inc.	08/27/02
80.	11.	Central City Construction, Inc.	10/03/02
81.	12.	R. A. Smith & Associates	10/08/02
82.	13.	University of Wisconsin-Madison Department of Landscape Architecture	10/15/02
83.	14.	HDR, Inc.	10/17/02
84.	15.	Hey and Associates, Inc.	10/22/02
85.	16.	McClintock Architects, Inc.	12/11/02
86.	17.	Rowan Williams Davies & Irwin, Inc.	12/11/02
87.	18.	Harley-Davidson Motor Company Facilities Planning Department	12/12/02
88.	19.	Fantasia Design Services	12/12/02
89.	20.	Short Elliott Hendrikson, Inc.	12/18/02

EXECUTED LICENSE AGREEMENTS

Number of Executed Agreements		Licensee	Effective Date
Since 1995	For 2003	2003	
90.	1.	North Shore Fire Department	1/13/03
91.	2	Planning & Design Institute, Inc.	2/6/03
92.	3.	Nancy M. Aten	2/12/03
93.	4.	Graef, Anhalt, Schloemer and Associates, Inc.	4/2/03
94.	5.	Sandridge Commercial Real Estate, LLC	4/25/03
95.	6.	Bloom Consultants LLC	7/11/03
96.	7.	Landscape Architects, Inc.	7/22/03
97.	8.	Jenkins Survey and Design, Inc.	7/23/03
98.	9.	Access Engineering LLC	7/30/03
99.	10.	Fifth Ward Association	12/08/03
100.	11.	West Allis-West Milwaukee School District	12/10/03
Since 1995	For 2004	2004	
101.	1.	The Sigma Group	01/21/04
102.	2.	T N & Associates	02/20/04
103.	3.	Hayes Engineering Company	02/23/04
104.	4.	Geocomm	03/30/04
105.	5.	J. Spear Associates, Inc.	06/16/04
106.	6.	Key Engineering Group, Ltd.	07/21/04
107.	7.	LandCraft Survey and Engineering, Inc.	08/26/04
108.	8.	The Design Office	10/06/04
109.	9.	Friebert, Finerty & St. John, S.C.	10/26/04
110.	10.	Hiller Consulting, LLC	10/28/04

MCAMLIS Outstanding Commitments

<u>Description</u>	2004 Original Contract Amount	Expenditures	Encumbered	Balance Remaining on Contract	Remaining MCAMLIS Reserve Balance ¹	
					(as of 11/30/04)	
Register of Deeds Computer Equipment ²	525,000	89,160		435,840	3,818,421	
SEWRPC Water Study	87,262			87,262	3,731,159	
Topographic Mapping Project	3,140,505	3,252,710		3,140,505	590,654	
Digger's Hotline Study ³	75,000			75,000	515,654	
Total Projected 2004 Ending Balance					515,654	

<u>Description</u>	2005 Original Contract Amount	Expenditures	Encumbered	Balance Remaining on Contract	Remaining MCAMLIS Reserve Balance ⁴	
					(Beginning 2005)	
MCAMLIS Floodland Mapping Phase 2 ⁵	145,300			145,300	1,324,354	
County A&E Project Management/ROD staff person ³	280,284			280,284	1,044,070	
Register of Deeds Real Estate Software ⁶	175,000			175,000	869,070	
SEWRPC Water Study ⁷	87,262			87,262	781,808	
County Surveyor ³	60,000			60,000	721,808	
County Dept of Administrative Services Fiscal Management ³	25,000			25,000	696,808	
Miscellaneous	2,000			2,000	694,808	
Total Projected 2005 Ending Balance					694,808	

MCAMLIS Outstanding Commitments

Footnotes:

¹As of 10/31/04, this is the balance remaining in the reserve. In terms of the 2004 budget, as of 11/30/04, \$903,163 in revenue had been realized compared to budgeted revenue of \$912,500. Of this amount, \$100,000 was anticipated from the State but actual State revenue realized to date is only \$34,136. Despite the State revenue shortfall, revenue actuals are close to budgeted revenue due to overrealized general recording fees. The remaining 2004 revenue of \$65,864 is expected from the State in 2005.

²A total of \$525,000 has been budgeted for this purpose but \$89,160 has been spent leaving a remaining commitment of \$435,840.

³These contracts were approved by the MCAMLIS Committee on Nov. 16.

⁴This figure reflects the '04 projected year-end reserve balance & the '05 appropriation of \$954,000 which includes \$79,000 from the State. The remaining revenue of \$875,000 reflects *anticipated* recording fee revenue for 2005. If the MCAMLIS budget experiences a revenue shortfall, funds will be drawn from the MCAMLIS reserve to make the budget whole.

⁵ A final amount of \$145,300 is anticipated for 2006 for a total contract of \$436,000 budgeted over 2004-06.

⁶Although no expenditures have been authorized from this amount for 2005 by the Steering Committee, this money can be used for no other purpose than Register of Deeds projects by previous policy decision of the Steering Committee. Any amount not expended in this manner cannot be used for other MCAMLIS tasks. The budget for the Register of Deeds includes \$142,000 for use in 2005 subject to the Steering Committee's approval.

⁷ A final amount of \$87,263 is anticipated for 2006.

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**MCAMILS FINANCIAL REPORT
(ADJUSTED FOR ENCUMBRANCE)**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	11/30/2004	TOTAL
	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	
Beginning Period Reserve-January 1	0	283,340	595,922	695,124	952,054	1,990,280	1,339,649	1,415,929	1,532,289	1,943,499	2,288,015	2,130,541	2,336,378	2,748,988	3,783,878	3,783,878
Mid-Year Reserve Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Current Period Reserve	0	283,340	595,922	695,124	952,054	1,990,280	1,339,649	1,415,929	1,532,289	1,943,499	2,288,015	2,130,541	2,336,378	2,748,988	3,783,878	3,783,878
Recording Fees (\$4.00 Portion)	101,886	324,983	612,592	676,093	647,355	503,342	574,328	644,508	769,820	773,078	609,683	743,977	918,012	1,178,762	743,024	9,821,443
Recording Fees (\$1.00 Portion)	0	0	0	0	0	0	0	0	0	0	0	72,968	230,597	295,988	160,253	759,806
State Grants	0	0	0	150,000	200,000	165,000	138,500	55,300	139,226	152,270	103,895	325,997	197,979	223,055	34,136	1,865,358
1 Private Utility Contributions	312,000	312,000	312,000	312,000	312,000	0	0	0	0	0	0	0	0	0	0	1,560,000
2 MMSD Contribution	0	0	0	50,000	50,000	50,000	50,000	50,000	50,000	50,000	170,000	0	0	0	0	520,000
Annual Revenue	413,886	636,983	924,592	1,188,093	1,209,355	718,342	762,828	749,808	959,046	975,348	883,578	1,142,942	1,346,588	1,697,805	937,413	14,546,607
TOTAL FUNDS AVAILABLE	413,886	920,323	1,520,514	1,883,217	2,161,409	2,708,622	2,102,477	2,165,737	2,491,335	2,918,847	3,171,593	3,273,483	3,682,966	4,446,793	4,721,291	18,330,485
Additional Encumbrance	100,000	22,075	534,849	272,943	-900,864	112,067	308,902	367,776	361,580	386,754	586,545	737,559	577,619	375,752	369,082	4,212,639
Less Prior Year Additional Encumbrance		-100,000	-22,075	-534,849	-272,943	900,864	-112,067	-308,902	-367,776	-361,580	-586,754	-586,545	-737,559	-577,619	-375,752	-3,843,556
Legal Fees	0	350	600	0	0	0	0	0	0	0	0	0	0	0	0	950
Systems Consulting (UGC)	0	128,638	0	0	0	0	0	0	0	0	0	0	0	0	0	128,638
USPLS Remuneration	0	41,260	0	0	0	0	0	0	0	0	0	0	0	0	0	41,260
Horizontal/Vertical Control Surveys	0	144,443	0	0	0	0	0	0	0	0	0	0	0	0	0	144,443
Aerial Photos/Mapping	21,555	17,925	292,060	1,178,794	1,340,370	356,953	490,821	576,268	556,108	608,450	842,594	787,820	1,095,708	866,757	474,730	9,508,712
Project Facilitator	8,991	73,567	21,650	14,995	0	0	0	0	0	0	0	0	0	0	0	119,203
Conference	0	59	1,046	319	0	0	528	0	0	0	0	0	0	0	0	1,953
RoD Computer Hardware/Software	0	0	0	0	6,291	797	0	0	0	0	0	0	0	0	0	0
RoD Materials Copied	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Computer Maintenance	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	26
Computer/Office Supplies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPW Needs Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IMSD Strategic Initiative	40	554	13	0	0	0	3	5	0	0	343	0	442	0	0	1,399
Contractual Crosscharges	0	-4,470	-2,752	-1,040	-1,724	-1,708	-1,664	-1,700	-2,116	-2,792	-1,676	-1,529	-2,232	-1,975	-1,030	-28,408
Charges Paid By Other Departments	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous	0	0	0	0	0	0	0	40	40	0	0	0	0	0	0	40
Annual Expenditures	30,586	402,326	312,616	1,193,069	1,344,936	356,042	489,713	574,573	554,032	605,658	841,261	786,091	1,093,918	864,782	473,700	9,923,304
TOTAL EXPS / ENCUMBRANCES	130,586	324,401	825,391	931,162	1,711,130	1,368,973	686,548	633,448	547,836	630,832	1,041,052	937,105	933,978	662,915	467,030	14,135,943
NET AVAIL FUNDS (END RESERVE)	283,300	595,922	695,124	952,054	1,990,280	1,339,649	1,415,929	1,532,289	1,943,499	2,288,015	2,130,541	2,336,378	2,748,988	3,783,878	4,254,261	4,194,542

1. 1994 was the final year for this revenue source.
2. \$50,000 will be paid each year through 2000, and \$20,000 in 2003.



MEMORANDUM: FROM ENGINEERING

DATE: November 29, 2004

TO: Milwaukee County Automated Mapping and Land Information System Steering Committee (MCAMLIS)

FROM: John M. Bennett, P.E., City Engineer

SUBJECT: NOMINATING COMMITTEE REPORT

Pursuant to the direction of Dr. Kurt W. Bauer, Chairman of MCAMLIS and his selection of a nominating committee consisting of Greg High and John Place and myself as Chairman, please be advised that via telephone the committee has selected the following nomination for officers for the 2005 MCAMLIS Steering Committee:

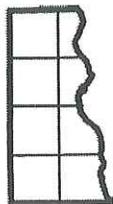
Chairman: Dr. Kurt W. Bauer
 Vice Chairman: Greg High

Respectfully submitted,

John Bennett
 Greg High
 John Place

JMB/db

V



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

c/o Department of
Parks and Public Infrastructure
2711 West Wells Street, Room 427
Milwaukee, Wisconsin 53208-3509
Telephone (414) 278-2176
Fax (414) 223-1982

MEMORANDUM

TO: MCAMLIS Steering Committee
FROM: Kevin R. White, MCAMLIS Project Manager
DATE: April 29, 2005
SUBJECT: Proposed Program for the Migration of the County Maintained MCAMLIS Cadastral Data Holdings to a Geodatabase Environment.

appr.

BACKGROUND

At the June 2003 meeting of the MCAMLIS Steering Committee, two work proposals were submitted for your consideration, Reorganization of Digital Cadastral Base into a Continuous Base Map and Extension of the Milwaukee County Street Address Database. While the County believed that these two work efforts would be of value to the County and other MCAMLIS members, we felt that to move forward as proposed would cause serious problems for the maintenance and usability of these data products by the County.

At the July, 2003 MCAMLIS Steering Committee meeting, the County proposed and the committee approved a request for funding for the County to proceed with an internal study to develop geodatabase designs for the conversion MCAMLIS data holdings. The study focused on a County needs assessment, municipal database design workshops, detailed database designs and implementation strategies.

In January 2004, the County began its needs assessment and database design study. At the November 2004 meeting, after careful review by all MCAMLIS Steering committee members, the technical specifications for the migration of the MCAMLIS data were approved.

NEED FOR CONVERSION OF MCAMLIS DATA HOLDINGS

Milwaukee County, and its departments and offices, have determined that a number of significant opportunities exist to improve their internal management and use of geographic and land information data and systems (GIS/LIS). In particular, there is an opportunity to improve both the efficiency and effectiveness of departments in carrying out their missions and mandates by embracing an enterprise-wide approach to GIS. To that end, the County has determined that it needs a coordinated effort to continue to build a countywide enterprise GIS.

MIGRATION PLAN

The cadastral coverage migration consists of three main tasks:

Conversion of MCAMLIS Cadastral Data to Geodatabase Format

- Conversion and cleanup of current MCAMLIS coverage data to new database format. This includes creation and attribution of polygons for the representation of CSM, Subdivision, Easement and Condominium features.
- Verification of MCAMLIS cadastral data with ROD tax listing maps.

Creation of Land Record Map Series

- Creation of digital and hardcopy map series that corresponds with current ROD tax listing map series.
- Annotation database design, conversion of coverage annotation, and the creation of additional annotation features needed to support the new land records map series.

Geodatabase Maintenance and Support System

- Creation of map update tools for maintenance of MCAMLIS cadastral data.
- Training for ROD staff on new cadastral maintenance process.
- Creation of tools for the conversion of cadastral data to MCAMLIS supported formats.

These tasks are to be completed utilizing temporary staff and current MCAMLIS project staff. Outside consultants may be used for technical support on a time and materials basis.

RECOMMENDATION

Based on the county's assessment of this issue and the recommendations from the database design study, we are requesting that the MCAMLIS Steering Committee approve expenditure not to exceed \$75,000 to begin the migration tasks listed.

* * * * *

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REGISTER OF DEEDS



Milwaukee County

JOHN LA FAVE • Register of Deeds

May 5, 2005

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

The Milwaukee County Register of Deeds (ROD) requests authorization from the MCAMLIS Steering Committee for spending funds from the retained \$1.00 recording fee for two projects in the Register of Deeds department.

(1) Scanning "A-Card" Project

The ROD Tax Listing section possesses approximately 159,000 A-cards that contain real estate information that precede data now maintained in the computer system. There is no backup to these cards. These cards provide information as to dates of conveyance deeds that transferred ownership of parcels, along with the names of the Grantor and Grantees. Cards exist for each parcel in all the suburban municipalities. They are used daily by ROD staff, title company searchers and the general public.

7-1
appx.

This project would scan all the A-Cards to produce digital images and index some data to enable retrieval of the image. The A-Card images would then become part of the ROD real estate database and would be available to the public via ROD computers and on the Internet. The hard copy A-Cards would then be stored off site.

Register of Deeds requests authorization to spend up to \$50,000 for the "A-Card" Project.

(2) Disaster Recovery Service/Enhanced Internet Access Program

Register of Deeds would like to participate in a Disaster Recovery Service to be offered by ROD's software vendor, Fidlar Software. Currently if there were a disaster that disabled or destroyed the ROD department, recovery would take an extended period of time.

appx.
5-3

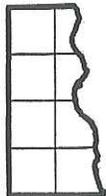
Fidlar Software's Disaster Recovery Service will provide complete, real-time data and image replication. The replication will save document information and images to a secondary environment hosted by Fidlar. Having the secondary environment reside with Fidlar will protect our information against a countywide event.

Should Milwaukee County experience a failure within our primary environment, the replicated system will provide virtually immediate recovery.

The Disaster Recovery program would also enable faster Internet access than currently exists through the County's network. This will resolve existing issues related to lack of performance.

Register of Deeds requests authorization to spend \$175,000 to purchase Fidlar's Disaster Recovery Service for a period of five years.

1 yr 60,000
yr 2-5 30,000 @ year



MILWAUKEE COUNTY
AUTOMATED MAPPING AND
LAND INFORMATION SYSTEM

c/o Southeastern Wisconsin
Regional Planning Commission
W239 N1812 Rockwood Drive
PO Box 1607
Waukesha, Wisconsin 53187-1607

MEMORANDUM

TO: MCAMLIS Steering Committee
FROM: Thomas D. Patterson, SEWRPC MCAMLIS Project Manager
DATE: December 9, 2004
SUBJECT: MCAMLIS Program Status Report

PURPOSES

Effective December 31, 2004, the Southeastern Wisconsin Regional Planning Commission (SEWRPC) will relinquish responsibility for management of the MCAMLIS Program to the Milwaukee County Department of Parks and Public Infrastructure (DPPI). This memorandum is intended to serve two purposes: for the MCAMLIS Steering Committee, it constitutes a report identifying either policy or major project issues that remain unaddressed; for the incoming MCAMLIS Project Manager, it constitutes a statement of the status of the MCAMLIS Program at the time of the transfer of responsibilities and provides DPPI and the incoming Project Manager with a statement of individual work tasks that remain to be completed.

BRIEF HISTORY OF THE MCAMLIS PROGRAM

In November of 1990, Milwaukee County, the Wisconsin Electric Power Company (WEPCO now We Energies), the Wisconsin Gas Company (also now We Energies), and Wisconsin Bell (now SBC) entered into a Cooperative Agreement to create a countywide system of survey control and digital topographic and cadastral base maps to be used cooperatively by the signatories to the Cooperative Agreement and, by extension, the local area municipalities, in the creation of automated parcel based land information and public works management systems. During 1993, the Milwaukee Metropolitan Sewerage District (MMSD) also became a signatory of the Cooperative Agreement. At the time that the Cooperative Agreement was executed, the SEWRPC had already prepared, at the request of the Milwaukee County Board of Supervisors, a feasibility study for an Automated Mapping System for Milwaukee County. This

feasibility study was documented in SEWRPC Community Assistance Planning Report (CAPR) No. 177, *Feasibility Study for a Milwaukee County Automated Mapping and Land Information System*, October 1989. The recommendations made in this study became the basis of the initial MCAMLIS work program; the principal recommendation of the report being that an Automated Mapping System for Milwaukee County should consist of four major components:

1. Completion of an already initiated program to permanently monument all U.S. Public Land Survey corners in the County.
2. Completion of an already initiated program to obtain both horizontal coordinates related to the State Plane Coordinate System, Wisconsin South Zone, North American Datum of 1927, and vertical elevations related to the National Geodetic Vertical Datum of 1929, for each of the monumented U. S. Public Land Survey corners, and for certain accessories thereto.
3. Acquisition of digital, large-scale, topographic base maps with two feet vertical contour intervals prepared to meet National Map Accuracy Standards at a map scale of 1:1200 (1 inch equals 100 feet) for each U.S. Public Land Survey one-quarter section in the County. These maps would be referenced to the countywide Survey Control Network resulting from the completion of the two above components, and would provide the necessary "ground truth" for the computation of the companion cadastral maps.
4. Creation of a series of digital, real property boundary line, or cadastral, maps -- also at a map scale of 1:1200 -- compiled from official records as overlays to the large-scale, one-quarter section topographic base maps and containing a unique parcel identification number for each parcel mapped.

Coincident with this activity in Milwaukee County, the Wisconsin Legislature acted to create the Wisconsin Land Information Program (WLIP), which included a Grants-In-Aid Program, and the provision for the retention at the County level of specified fees collected for documents recorded in the County Register of Deed's Office. The recording fees thus collected and the grants available under the WLIP have provided the single largest source of funding for the MCAMLIS Program since its inception.

During 1991, the MCAMLIS Steering Committee engaged the firm of UGC Consulting, Inc., to prepare an implementation plan for the Milwaukee County Automated Mapping and Land Information System. In addition to reinforcing the call for the four principal components -- foundational elements -- identified in the SEWRPC CAPR No. 177, this implementation study additionally recommended the creation of a

countywide system of street addresses geographically tied to real estate parcels and to the structures upon those parcels.

Prior to August 1991, the MCAMLIS Steering Committee had engaged the services of a part-time Project Manager. During 1991, upon the recommendation of the UGC Consulting, Inc. implementation study, and in response to a request from the MCAMLIS Steering Committee, the SEWRPC assumed responsibility as the Project Manager for the implementation of the MCAMLIS program. For the majority of that time since August 1991, Mr. Thomas D. Patterson, a member of the SEWRPC professional staff, was assigned as the MCAMLIS Project Manager. Mr. Patterson was also involved, together with Mr. K. W. Bauer, the Executive Director of the Commission staff and County Surveyor, in writing SEWRPC CAPR No. 177, and in "ad-hoc" discussions involving the private and public utilities and Milwaukee County municipalities that occurred during the late 1970s and the middle 1980s concerning the potential, for a coordinated, multi-participant, approach to a countywide digital mapping program.

BRIEF HISTORY OF MCAMLIS WORK PROJECTS

By the end of 1991, all recommended land and control survey work had been completed. Coincident with the completion of these first two components recommended in the SEWRPC CAPR No. 177, the creation of the digital topographic base maps was begun with completion of this component during 1995. Also, the digital real property boundary line mapping, initiated during 1992, was completed for that portion of the County lying outside the City of Milwaukee during 1998. During 1999, action was taken by the MCAMLIS Steering Committee to fund the City of Milwaukee to transform and, in some cases recompile, the City of Milwaukee digital maps to fit the geometric framework established by the MCAMLIS Control Survey Network, thereby creating a set of real property boundary line maps covering the City of Milwaukee compatible with MCAMLIS Mapping Standards, the completed MCAMLIS topographic maps, and with the MCAMLIS Control Survey Network. As of the date of this memorandum, only three square miles of this cooperative MCAMLIS and City of Milwaukee effort remain to be completed, all in the northwestern corner of the City. It is currently expected that these remaining maps will be completed before the end of January 2005.

Beginning in 1996, work was initiated on the creation of a uniform system of street addresses for Milwaukee County. This effort was completed for that portion of Milwaukee County lying outside the City of Milwaukee by 2000 and a continuous update and maintenance program centered in the Milwaukee

County Register of Deeds Office was established for these data as well as for the completed digital cadastral maps. Integration of the existing City of Milwaukee street address system with the system covering the balance of the County has yet to be undertaken. Remaining to be addressed by the Steering Committee is the mechanism by which the digital cadastral maps created to cover the City of Milwaukee will be integrated into the existing MCAMLIS cadastral map update and maintenance procedures.

Over the course of the MCAMLIS Work Program to date, a number of additional projects have been undertaken to provide additional digital map layers and related information covering Milwaukee County. In cooperation with the SEWRPC, the SEWRPC Regional Land Use Inventory was converted to use the MCAMLIS larger scale base maps as a basis for this inventory. The SEWRPC has agreed, as part of its continuing regional planning work, to update this inventory on approximately five year intervals. In addition, various administrative boundaries, various election district boundaries, and census geographic boundaries have been delineated on the MCAMLIS base maps and are available to all MCAMLIS partners as digital map files. Also, Federal Geographic Data Committee (FGDC) compliant metadata files have been prepared for all MCAMLIS digital map layers and for the MCAMLIS street address database.

One quite unique project was completed under the auspices of the MCAMLIS work program during 1999. This project, undertaken at the request of the Airport Engineer for Milwaukee County General Mitchell International Airport, involved the acquisition of digital topographic mapping for the airport and its adjacent planning area; the computation of three-dimensional, imaginary surfaces representing aircraft approach zones to the approaches to the airport's runways, and the mapping of objects protruding from the ground into that space which constituted hazards to air navigation. SEWRPC staff carrying out this project at the request of the MCAMLIS Steering Committee were unable to locate any previous project of this type in the United States. Accordingly, it became necessary for SEWRPC staff to develop a specialized set of mapping specifications for this project, including a methodology for accurately determining the position, both horizontally and vertically, of these imaginary slopes. This project was successfully completed and the requested maps delivered to the Airport Engineer during 2000.

Additionally, at the request of the Assistant Director of Emergency Management, Milwaukee County Sheriff's Department, a comprehensive work effort was initiated to map at a uniform scale and on a consistent basis, the 10, 50, 100, and 500 year recurrence interval flood hazard areas and the 100 year

recurrence interval floodways within the County. This effort was initiated during 2001 and is currently scheduled for completion during 2006.

During the 14 years since its founding, the MCAMLIS Program has remained unique in Wisconsin as a true public-private, partnership. In recognition of this fact and of the Program's potential to reduce duplication of effort between and among the private and public utilities and the County and its constituent municipal units of government, and of its potential for future cost avoidance for utility ratepayers and for the County and municipal taxpayers, the Public Policy Forum in 1995 recognized the MCAMLIS Program with an award for overall management innovation in local government.

CURRENT STATUS OF THE MCAMLIS WORK PROGRAM AND PROJECT MANAGEMENT TASKS

The responsibilities of the current MCAMLIS Project Manager can be categorized into the following six general groupings:

- Coordination and organization of MCAMLIS Steering Committee meetings;
- Coordination of the MCAMLIS work program with the Wisconsin Land Information Program;
- Administration of the MCAMLIS copyright and distribution of MCAMLIS digital mapping materials;
- Coordination of MCAMLIS budget preparation and accounting activities with Milwaukee County staff;
- General project management including development of detailed project descriptions, scopes of work and specifications for specific projects.
- General maintenance of MCAMLIS data holdings and the incorporation of new material into the MCAMLIS archive files.

A more detailed itemization of work tasks within each of these particular categories and the current status of each individual work task follows.

Coordination and Organization of MCAMLIS Steering Committee Meetings

Responsibilities under this category fall under the following general work tasks.

- Organization of Steering Committee meetings.
There are currently no additional Steering Committee meetings scheduled for 2004; therefore, there are presently no unaddressed activities under this task. Prior to the end of this year, the

outgoing Project Manager will provide the incoming Project Manager with a complete and updated MCAMLIS Steering Committee roster, including postal addresses and telephone numbers. The incoming Project Manager will also be provided with a complete list of interested parties and their postal addresses. These lists will be needed for notification of any MCAMLIS Steering Committee meetings scheduled after January 1, 2005.

- Preparation of meeting agendas.

There are currently no additional MCAMLIS Steering Committee meetings scheduled for the balance of 2004; therefore, there are no unfinished activities under this work task.

- Completion of minutes following meetings.

The outgoing Project Manager will complete the minutes for the December 14, 2004, Steering Committee meeting and will provide 25 copies of the meeting minutes to the incoming Project Manager for his distribution to the Steering Committee as he may deem appropriate after January 1, 2005. Following approval by the Steering Committee of the minutes of the December 14, 2004, Steering Committee meeting, the SEWRPC will bind into a single volume the minutes of all meetings held by the MCAMLIS Steering Committee during 2003 and 2004; a total of 10 meetings. This bound volume will join the three previously bound volumes of the MCAMLIS Steering Committee meeting minutes covering the period from 1990 through and including 2002. These four volumes will be kept in the SEWRPC library as a permanent detailed record of the history of the MCAMLIS Program since its inception through the end of 2004.

- Follow-up on any assignments made at Steering Committee meetings.

There are currently no unfinished assignments under this task.

Coordination of the MCAMLIS Work Program with the Wisconsin Land Information Program.

Responsibilities under this category can be generally summarized as itemized below:

- Monitoring of program activities.
- Preparation of grant applications.
- Negotiation with State staff to resolve issues and questions concerning grant applications.
- Negotiation of grant agreements following awards.
- Fiscal monitoring of grant awards.

- Writing and filing of project completion reports for MCAMLIS projects wholly or partially funded by WLIP grants.
- Preparation and filing of the annual Milwaukee County Land Records Modernization Status Report.

Historically, the WLIP has been the single largest source of funds available to support the MCAMLIS work program and the afore itemized tasks formerly required several man-months of effort annually. Over the past several years, however, the WLIP has become increasingly moribund as the fees formerly collected by the State and used to support the WLIP grants-in-aid program have been redirected by the Wisconsin Legislature through its recent biennial budgets to fund County and municipal "smart growth" planning grants. A number of projects, however, wholly or partially funded by previous grants from the WLIP, remain to be completed.

For the remaining uncompleted projects the following general work tasks set forth below still require attention. These projects and their status are as follows:

WLIP 2001 Strategic Initiatives Project.

This grant was made for the purpose of developing a set of real property ownership and tax assessment data for Milwaukee County to be transferred to a statewide data base to be established and maintained by the Wisconsin Department of Administration and accessible to public inquiry. This project was undertaken jointly by the Register of Deed's Office, DPPI, and the Information Management Services Division of the Milwaukee County Department of Administrative Services (DAS). For several years, the Wisconsin Department of Administration was delayed in setting up the statewide database and developing the necessary software to provide public access. Recently, however, WLIP staff has notified the County that these data can now be transferred to the State for "loading" into the centralized data base. Once this is done, this project will be completed although it should be noted that under the terms and conditions of the Grant Agreement covering this project, Milwaukee County is still obligated to "refresh" these data during 2005 and 2006. The incoming Project Manager will take responsibility for coordinating the closing of this grant and will provide the Milwaukee County Land Information Officer with a project completion report to be filed with the State. The outgoing Project Manager will make himself available to assist in this matter as may be necessary.

WLIP 2002 Strategic Initiatives Project

This grant was made for the purpose of assisting counties in developing data useful for flood hazard area mapping and related flood hazard zoning. Under the terms of this grant, measurements were acquired for 30, hydraulically significant structures along the Root River and tributaries of the Root River in southwestern Milwaukee County. This project was completed during 2004 and recently all final payments associated with closing down the project were also completed. The outgoing Project Manager will collate the material needed for the project completion report, prepare that report, and provide it to the Milwaukee County Land Information Officer for filing with the State.

City of Milwaukee Cadastral Map Transformation Project – Phase 8

This project was funded with a portion of the County's 2002 contribution based grant award, the most recent contribution based grant award allocated to Milwaukee County. This project was completed during September 2004. During November 2004, the remaining fiscal tasks associated with closing down this project were also completed. The outgoing Project Manager will collate the material needed for the project completion report, prepare that report, and provide it to the Milwaukee County Land Information Officer for filing with the State.

City of Milwaukee Cadastral Map Transformation Project – Phase 9A

This project was also funded with a portion of the County's 2002 contribution based grant award. This project completed during the first week of December and the fiscal tasks needed to close the project have been initiated. Upon completion of those fiscal tasks, the outgoing Project Manager will collate the material needed for the project completion report, prepare that report, and provide it to the Milwaukee County Land Information Officer for filing with the State.

City of Milwaukee Cadastral Map Transformation Project – Phase 9B

This project was also funded with a portion of the County's 2002 contribution based grant award. This project will soon be completed and, upon completion, the outgoing Project Manager will initiate the fiscal tasks needed to close the project. Upon completion of those fiscal tasks, the outgoing Project Manager will then collate the material needed for the project completion report, prepare that report, and provide it to the Milwaukee County Land Information Officer for filing with the State.

WLIP 2002 Training and Education Grant

This grant is administratively associated with the WLIP 2002 contribution based grant award made to Milwaukee County and will be closed in conjunction with the project completion report prepared for the City of Milwaukee Cadastral Map Transformation Project - Phase 8 noted above.

WLIP 2004 Training and Education Grant

Since there were no WLIP contribution based grant awards made to counties in 2004, this particular training and education grant is a free-standing grant and must be closed out under the terms and conditions set forth in the associated Grant Agreement. The manner in which this should to be done will not become fully evident until the project completion report for the WLIP 2002 training and education grant noted above has been completed. At such time as the manner in which this grant needs to be closed becomes apparent, the outgoing Project Manager will coordinate the preparation of the project completion report for this grant with the incoming Project Manager and the Milwaukee County Land Information Officer. The incoming Project Manager and the Milwaukee County Land Information Officer will be responsible for filing the project completion report with the State.

Preparation and filing of the annual WLIP County Land Records Modernization Status Report

On an annual basis, the WLIP requires the filing of a County Land Records Modernization Status Report. The filing of this report is required in order for the County to retain its eligibility to collect and retain the locally designated portion of the document recording fees provided for under the WLIP. The report for 2004 was completed and filed with the State during the first calendar quarter of 2004. The report for 2005 has yet to be distributed, but can be expected in early 2005. Responsibility for completion of this and all future annual reports will pass to the incoming Project Manager effective with the 2005 report.

Administration of the MCAMLIS Copyright and Distribution Of MCAMLIS “Digital Mapping Materials”

Distribution of all MCAMLIS “digital mapping materials^a” is covered by the provisions contained in two documents.

^a The phrase “digital mapping materials” is used in all official MCAMLIS documents concerning the copyright.

During December, 1993 Milwaukee County, the MMSD, WEPCO (now We Energies), the Wisconsin Gas Company (also now We Energies), and Ameritech (the successor to Wisconsin Bell at that time, now SBC) executed a License Agreement that set the general conditions under which the signatories to the original MCAMLIS Cooperative Agreement would be permitted to use the digital mapping materials created under the auspices of the MCAMLIS Program. This document, in recognition of the significant funding contribution made to the creation of these materials by the WEPCO, the Wisconsin Gas Company, and Wisconsin Bell conveyed the copyright of these digital mapping materials to the three private utilities named. Paper copies produced from the digital map materials were not made subject to this copyright and could be freely used and distributed by all participants. This document, in effect, constituted a "policy statement" concerning the permitted uses of the digital mapping materials.

To provide an operational structure for the policy document represented by the MCAMLIS License Agreement noted above, the MCAMLIS Steering Committee, in 1995, promulgated a second document, "Data Requisition and Distribution Guidelines," which set forth the conditions under which potential users other than the signatories to the original Cooperative Agreement could access and use the MCAMLIS digital mapping materials. During 2000, the Steering Committee took action to include the MCAMLIS street address data base under the definition of digital mapping materials. Minor changes have been made to the provisions of this set of guidelines on several occasions since its original adoption.

Responsibilities under this category fall generally into the following work tasks:

- Answering general inquiries
Responsibility for this task will pass to the incoming Project Manager effective January 1, 2005.

- Providing consultation to potential users on specific available MCAMLIS products
Responsibility for this task will pass to the incoming Project Manager effective January 1, 2005.

- Securing and filing of executed MCAMLIS License Agreements
Responsibility for this task will pass to the incoming Project Manager effective January 1, 2005.

All previously executed and filed MCAMLIS Licensing Agreements will be passed to the incoming Project Manager shortly after January 1, 2005, for his use in administering requests for MCAMLIS digital data.

- Managing the MCAMLIS copyright requirements and distributing data upon request
Responsibilities for this task will pass to the incoming Project Manager effective January 1, 2005.

The outgoing Project Manager will provide copies of data file structures for the digital topographic maps and the digital cadastral maps for all software formats currently supported within the MCAMLIS Program; that is, AutoCAD DWG, Intergraph/Bentley DGN, and ESRI ArcInfo coverages. Also, as may be helpful to the incoming Project Manager, and upon his request, copies of all software programs developed by the SEWRPC for moving MCAMLIS data between and among these various formats will be provided.

Completion of the remaining MCAMLIS format City of Milwaukee cadastral maps is expected during January of 2005. Upon completion of this work effort, the SEWRPC will provide the incoming project Manager with a complete set of these finished maps. The SEWRPC has one remaining commitment with respect to distribution of the City of Milwaukee maps under this work element. The University of Wisconsin-Milwaukee has previously requested, under its MCAMLIS Licensing Agreement, copies of these maps, and the SEWRPC will provide the maps remaining under this commitment directly to the University. The incoming Project Manager will be provided with copies of all correspondence concerning this distribution.

Several important tasks need to be completed or pursued under this category.

By action taken by the MCAMLIS Steering Committee at its meeting held on July 15, 2003, MCAMLIS project staff (that is, the SEWRPC) was directed to convene a meeting with representatives from We Energies, SBC, the MMSD, and Milwaukee County to discuss whether or not the copyright to the MCAMLIS digital map materials held by We Energies and SBC should be retained by those entities or returned to the MCAMLIS Steering Committee. As reported at the MCAMLIS Steering Committee meeting held on July 20, 2004, We Energies representatives stated that We Energies is willing to relinquish its portion of the copyright; however, SBC representatives indicated that they had yet to receive direction from corporate officials with respect to SBC's position on this matter. At last report, a decision on this matter still lies with SBC corporate officials in Texas. This activity therefore will remain incomplete until such time as SBC articulates its position on this issue; therefore, responsibility for pursuing resolution of this issue will pass to the incoming Project Manager effective January 1, 2005.

In addition, the "Data Requisition and Distribution Guidelines" have become outdated and, with respect to newer computer software formats utilized by the MCAMLIS Program, technologically obsolete. These guidelines need to be revised; however, a decision as to when this revision should be made is tied, at least in part, to a resolution of the copyright issue noted above since much of the text in the Guidelines is tied to the copyright ownership.

Furthermore, resolution of the copyright issue would be advantageous in view of the request of a commercial firm, TeleAtlas of North America, (formerly GDT), to acquire the MCAMLIS digital mapping materials to "improve" the commercial database that it uses for address geocoding automated vehicle routing and similar applications. While this company has indicated that it's would not redistribute those MCAMLIS digital mapping materials acquired, improvement of the company's own commercial database may well be equivalent to "copying" the MCAMLIS digital mapping materials. Resolution of the copyright issue would help alleviate difficulties associated with the incoming Project Manager's assumption of discussions with this company.

Coordination Of MCAMLIS Annual Budget Preparation and Related Accounting Activities With Milwaukee County Staff

Principal activities carried out under this heading are as follows:

- Preparation of an annual budget
Action concerning the MCAMLIS 2005 budget has been completed. Responsibility for the 2006 MCAMLIS Program budget request and all successive budget requests, will pass to the Project Manager and the designated Fiscal and Management Analyst from the DAS effective January 1, 2005.
- Monitoring of project revenues and expenditures
Responsibility for this task will pass to the incoming Project Manager and the designated Fiscal and Management Analyst from the DAS effective January 1, 2005.

An important task still remains to be accomplished under this work element in that expenditures made from the \$1.00 locally retained document filing fee are not separately identified in the accounting reports provided to the MCAMLIS Project Manager. The rules and procedures for expenditure of funds under the \$4.00 recording fee and the \$1.00 recording fee are different and expenditures made with the \$1.00 fee are currently being "lumped together" with expenditures

made from the \$4.00 fee in these reports. Expenditures from the \$1.00 fee receipts are currently required to be reported separately in the WLIP Annual County Land Records Modernization Status Report. Ideally, separation of these expenditures should be determined as far back as 2001, the year in which the \$1.00 fee began to be collected.

- Interaction with County staff to carry out the annual MCAMLIS single audit
Preparation of the Milwaukee County 2004 single audit has already begun with preliminary materials due to be filed with the DAS before the end of 2004. Accordingly, the outgoing Project Manager will complete this task and will provide complete copies of all correspondence and reports to the incoming Project Manager. The outgoing Project Manager will also inform the DAS staff of the change in management responsibilities for the MCAMLIS program and will indicate to that staff that responsibilities for providing assistance for the Milwaukee County 2005 single audit will rest with the incoming Project Manager.

General Project Management

General work tasks associated with this category are as follows:

- Conceptual development of individual projects and development of project technical specifications where needed.
Responsibility for this task will pass to the incoming Project Manager effective January 1, 2005.
- Preparation of contracts.
Responsibility for this task will pass to the incoming Project Manager effective January 1, 2005.
- Preparation of invoices to draw down funds as expended.
With the assumption of the management of the MCAMLIS Program by County staff after January 1, 2005, it is unlikely that this task will be needed in the future.
- Approval of payments to contractors.
Responsibility for this task will pass to the incoming Project Manager effective January 1, 2005.
- Associated record keeping.
Responsibility for this task will pass to the incoming Project Manager effective January 1, 2005.

Shortly after January 1, 2005, the outgoing Project Manager will provide the incoming Project Manager with a complete list of all "active" MCAMLIS projects; active projects being defined as those projects for which the Agreements governing these projects have yet to be closed, or, in the case of WLIP grant funded projects, the project completion report has yet to be filed with the State and payment of the final portion of the grant award made to the County.

With respect to projects recently approved by the Steering Committee, their current status can be summarized as follows:

- Participation in the Regional Water Supply System Study, approved by the Steering Committee at its meeting held on September 14, 2004.

This Agreement has been executed and filed with the Milwaukee County Department of Administrative Services.

- The MCAMLIS Replacement Digital Topographic Mapping Program, approved by the Steering Committee at its meeting held on November 2, 2004.

This Agreement has been filed for review by cognizant Milwaukee County officials. Upon completion of that review, the Agreement will be executed by the appropriate MCAMLIS and SEWRPC officials and a copy of the executed Agreement will be filed with the Milwaukee County Department of Administrative Services.

- The Agreement covering SEWRPC staff services for 2005 as the Milwaukee County Surveyor, approved by the Steering Committee at its meeting held on November 16, 2004.

This Agreement has been filed for review by cognizant Milwaukee County officials. Upon completion of this review, the Agreement will be executed by appropriate MCAMLIS and SEWRPC officials and a copy of the executed Agreement will be filed with the Milwaukee County Department of Administrative Services.

- The MCAMLIS/Diggers' Hot Line Cooperative Pilot Study, approved by the Steering Committee at its meeting held on November 16, 2004.

The Agreement covering this project has been prepared by Diggers' Hot Line representatives and submitted to cognizant Milwaukee County officials for review. Following its review by the County officials, the Agreement will be executed by appropriate MCAMLIS and Diggers' Hot Line representatives and a copy of the executed Agreement filed with the Milwaukee County Department of Administrative Services.

- The Agreement covering the provision of administrative staff services to the MCAMLIS Program for 2005 by the Milwaukee County Department of Administrative Services staff, approved by the Steering Committee at its meeting held on November 16, 2004.

This Agreement is currently under review by cognizant Milwaukee County officials. Upon completion of this review, this Agreement will be executed by appropriate MCAMLIS and Milwaukee County officials and a copy of the executed Agreement will be filed with the Milwaukee County Department of Administrative Services.

- The Agreement covering the provision of project management services to the MCAMLIS Program for 2005 by the Milwaukee County Department of Parks and Public Infrastructure staff, approved by the Steering Committee at its meeting held on November 16, 2004.

This Agreement is currently being reviewed by cognizant Milwaukee County officials. Upon completion of this review, the Agreement will be executed by appropriate MCAMLIS and Milwaukee County representatives and a copy of the executed Agreement will be filed with the Milwaukee County Department of Administrative Services.

General Maintenance of MCAMLIS Data Holdings and Incorporation of New Materials into Archive Files

Responsibilities for any work tasks associated with this project management services category will pass to the incoming Project Manager effective January 1, 2005.

The recently completed Milwaukee County GIS Needs Assessment and Geodatabase Design Study identified several deficiencies, not detected during quality assurance review, in the map layer specifications for the MCAMLIS format City of Milwaukee cadastral maps. These identified deficiencies are being corrected by SEWRPC staff and upon delivery of the MCAMLIS format City of Milwaukee cadastral maps to the incoming Project Manager, all of these identified deficiencies will have been corrected.

An additional item of some importance still needs to be addressed concerning the MCAMLIS format City of Milwaukee cadastral maps. As of yet, a satisfactory means of obtaining all of the information needed by the Milwaukee County Register of Deed's Office to maintain these maps in a manner similar to the maintenance procedures that have been developed for the MCAMLIS cadastral maps outside the City of Milwaukee has yet to be determined.

Discussions originally initiated to address this matter became focused instead on the potential for integration of the City of Milwaukee and the Milwaukee County tax listing and tax mapping operations. These discussions were eventually broken off following the determination by the Steering Committee that the process for the attainment of such integration would have to be enacted by cognizant elected City and County officials.

It remains necessary to find a means for the efficient access by the County Register of Deed's staff to information needed to incorporate the MCAMLIS format City of Milwaukee cadastral maps into the current map maintenance activities of the Register of Deeds Office.

CONCLUDING REMARKS

The MCAMLIS Program and its antecedents represents a truly unique public-private partnership created to provide the foundational elements for the creation of coordinated automated parcel land, land information and public works management systems at the County and municipal levels of government and by the public utilities operating within the County. The Program has been successful in its creation of the foundational elements for the creation of such systems and for the creation of some thematic data layers for use in the systems. It is hoped that the Program will now be continued under the County management.

A major policy issue remains to be resolved with respect to the future direction and management of the Program; namely: the role of the Steering Committee created by contract between the County, the Metropolitan Sewerage District (MMSD), and the private utilities operating within the County. A proposal to replace this contractual governing body with an internal County Advisory Committee has been advanced in a recently completed County "GIS Needs Assessment and Geodata Base Design Study". The members of the Steering Committee, including the utility, MMSD, City of Milwaukee and suburban municipality representatives and the County Register of Deeds have, however, indicated a desire to maintain the present role of the Committee. Resolution of this important issue will require discussions and a decision by the parties that originally created the contractual relationship defining the funding and governance of the Program.

* * * * *

VI B



UNITED STATES DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau
Regional Office
Westchester, IL 60154-5800

April 18, 2005

Mr. Kevin R. White
GIS Supervisor
Milwaukee County
Dept. of Parks & Public Infrastructure
2711 West Wells Street
Milwaukee, Wisconsin 53208

CO55079

cyep

Dear Mr. White:

The Census Bureau has instituted the MAF/TIGER Accuracy Improvement Program (MTAIP) to achieve a high level of map coordinate accuracy in our TIGER database. As part of this ambitious initiative, we are seeking, as a first priority among data sources, digital files prepared and provided by state, local, and tribal governments. These files will be used to realign TIGER to a more accurate base, providing that locals are willing to provide the files without royalty or copyright restriction, as part of the MAF/TIGER Accuracy Improvement Project (MTAIP). We are seeking files that have a minimum spatial accuracy of 7.6 meters. For more information on the MTAIP, you can go to the following web site: <http://www.census.gov/geo/mod/backgrnd.html>. You may also refer to Attachment A, which documents the benefits of providing a file to the Census Bureau.

The Census Bureau will not share your file with other Federal agencies without specific approval. We will not sell nor redistribute your data. We will not make your file available to the public, however, information obtained from the file you provide may be included in future Census Bureau products and therefore in the public domain. We also will continue to protect Title 13 confidentiality.

We have reviewed the License Agreement Pertaining to the Non-Commercial Use of Copyrighted Digital Base Mapping Materials, Exhibit C, of the Milwaukee County Automated Mapping and Land Information System (MCAMLIS). We are requesting changes be made to the agreement, specific to the Census Bureau's acquisition of MCAMLIS data. A copy of the revised agreement is enclosed. The hold harmless clause has been stricken from the agreement because this kind of clause results in open-ended liability for the Federal Government, which is a violation of the Anti-deficiency Act, 31 U.S.C. §1341. Therefore, by law, we cannot sign a document containing such a clause. We have also added language that specifically outlines of how we intend to use your data. Finally, although we are unable to credit MCAMLIS in hard-copy products, our digital TIGER/Line® file products will contain feature level metadata, which-credits the data source.

We are requesting the data layers that include street centerlines, railroads, hydrography, and boundaries (county, townships, municipal). We prefer to receive the files on CD-ROM as ESRI shape (.shp) files, or if it is easier for you, the files may also be emailed to us. If you cannot provide .shp files, we will accept and attempt to work with any format you provide. The file(s) may be sent to Gail A. Kremenec at the following address:

Gail A. Kremenec, Geographer
U.S. Census Bureau
2255 Enterprise Drive, Suite 5501
Westchester, IL 60154-5800
(708) 562-1738 or
gail.a.kremenec@census.gov

The Census Bureau's partnership with local governments is a resource in the ongoing effort to improve the accuracy of the products and data we provide to the public. The Census Bureau looks forward to working with you as we prepare for Census 2010. If you have any questions regarding this request or need further information, please do not hesitate to contact Ms. Kremenec at (708) 562-1738 or Linda Gray at (708) 531-9029.

Sincerely,



Stanley D. Moore
Regional Director

Enclosures (2)

ATTACHMENT A

July 1, 2002

U.S. CENSUS BUREAU'S MAF/TIGER MODERNIZATION PROGRAM Local Government Provision of GIS Digital Files

The U.S. Census Bureau developed and utilizes the Topologically Integrated Geographic Encoding and Referencing (TIGER®) System as the geographic database to support the Decennial Census and other Census Bureau programs, including the American Community Survey. The Census Bureau's MAF/TIGER Enhancements Program seeks to achieve a high level of map coordinate accuracy in TIGER by seeking state, local and tribal government digital files to use as data sources. Although the Census Bureau benefits from acquiring and incorporating information from these GIS files, the providing governments also benefit. These benefits, although at times intangible, include:

- Improved accuracy in data tabulation for governmental units and other small areas, which facilitates redistricting and various federal and state funding programs. These programs are directly affected by the accuracy of data tabulations and population counts.
- The Census Bureau adds the "record ID" of the provided file to TIGER, which will yield better matches between TIGER-related products (i.e., TIGER/Line files) and the local GIS. The result should be easier use of census data, more effective redistricting, and reduced need to reposition TIGER/Lines files to match the local GIS file.
- Improved inventory of streets, addresses, and boundaries in TIGER.
- Improved ability of state, local, and tribal governments to automatically match their address lists and maps with the Master Address File (MAF) and TIGER in ongoing Census Bureau address list and map review/update programs, such as the Local Update of Census Addresses (LUCA).
- Increased ability of the Census Bureau to incorporate more accurate address and geographic data from state, local, and tribal partners in the future.
- Reduction or elimination of labor-intensive update activities (paper map updates) by state, local, and tribal governments because many updates can be performed in a more automated environment.
- Ability to use web-based updating processes for Census Bureau geographic programs (in the future).
- Production of updated TIGER/Line files based on enhanced coordinate accuracy. The Census Bureau also will produce updated ESRI shape files for various governmental and statistical entity boundary sets.
- Enhanced local GIS quality assurance. The Census Bureau will conduct an edit and validation process of state, local, and tribal file submissions, including a formal

assessment of the positional accuracy and topological integrity of geographic data in the local file. This information can be made available to the file provider offering an objective, and hopefully valuable, assessment of data quality.

- The Census Bureau assumes the burden/cost of putting the information from each locally-provided file into a standard (TIGER) format for easy contribution to the National Spatial Data Infrastructure (NSDI). The U.S. Department of Transportation is working with the Census Bureau to facilitate using location-enhanced TIGER as their national roads database and the U.S. Geological Survey plans to use location-enhanced TIGER for the boundary and roads layers in their National Map program.
- The Census Bureau assumes the burden/cost of equating Census 2000 geographic entity boundaries and codes (block numbers) with state/local/tribal files and returns the provider's files with these codes added.
- When the state/local tribal contribution is imagery (aerial photos) the Census Bureau assumes the burden/cost of extracting the features, matching/adding them to TIGER, and provides a GIS file (TIGER/Line) back to the contributor.

Exhibit C

MILWAUKEE COUNTY AUTOMATED MAPPING
AND LAND INFORMATION SYSTEM

LICENSE AGREEMENT PERTAINING TO THE NON-COMMERCIAL USE
OF COPYRIGHTED DIGITAL BASE MAPPING MATERIALS

WHEREAS, Ameritech, the Wisconsin Electric Power Company, and the Wisconsin Gas Company (hereinafter referred to as the "Utilities"), are the joint copyright owners of certain digital base mapping materials developed under the Milwaukee County Automated Mapping and Land Information System (hereinafter referred to as "MCAMLIS"); and

WHEREAS, the MCAMLIS program is presently being administered by the Milwaukee County Department of Parks and Public Infrastructure (hereinafter referred to as "County"), through an employee designated as the MCAMLIS Project Manager; and

WHEREAS, the United States Census Bureau, a unit or agency of government, ~~a not-for-profit organization, an educational institution, or a private firm or individual seeking MCAMLIS digital data for internal, non-commercial use, has the authority to access these data pursuant to Title 13 U.S.C., Section 6; and is seeking MCAMLIS digital data for enhancing the Topologically Integrated Geographic Encoding and Referencing system (TIGER®) with all or portions of the data set,~~ (hereinafter referred to as the "Requestor"), has filed a request with the MCAMLIS Project Manager to obtain duplicate files of the digital MCAMLIS copyrighted base mapping materials (hereinafter referred to as the "digital base maps"); and

WHEREAS, the Utilities are willing to permit the Requestor to obtain the digital base maps subject to the following conditions and understandings:

1. Subject to the limitations set forth below, the Utilities agree not to object to the Requestor using, reproducing, modifying, and/or displaying the digital base maps; preparing or distributing in non-digital form reports incorporating the base maps derived from the digital files; and distributing the base maps and reports in non-digital form to all parties concerned.

~~The Utilities agree not to object to the Requestor making duplicate copies of the digital base map files for its own internal use. Such files, however, are intended only for the use of the employees and agents of the Requestor; and the Requestor and its employees and agents are expressly prohibited from providing copies of the digital base map files to any other party.~~

~~The Requestor agrees to use the digital base maps only for noncommercial purposes; that is, for governmental and educational purposes and for private purposes when a private firm or individual periodically uses selected digital materials—not the entire MCAMLIS digital files—for internal use.~~

2. The U.S. Census Bureau is expressly authorized to enhance the TIGER® file with all or portions of the data set, and post the enhanced TIGER® file on the internet or sell the enhanced TIGER® file on a DVD. This

clause is not intended to restrict the distribution of printed mapped information produced from the digital data.

3. Subject to the uses of data described in this agreement, the requestor agrees to hold the digital base map files in confidence and prevent any third party from having access to those files or to any materials in digital form derived therefrom ~~except as otherwise authorized by the Steering Committee and Sub-committee by special agreement with the Requestor.~~

~~The distribution or use of the digital base maps in violation of the foregoing provisions shall be deemed a copyright violation and shall automatically terminate all rights of the Requestor relative to the digital base maps or any materials derived therefrom.~~

4. The Requestor agrees to reimburse the County, if requested, in the amount set forth in the attached cost schedule in connection with obtaining a copy or copies of the digital base maps.
5. The Requestor understands that the digital base maps and materials are being provided AS IS, WITHOUT ANY WARRANTY BY THE UTILITIES AND THE MCAMLIS STEERING COMMITTEE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND WITHOUT ANY WARRANTY OF ACCURACY. ~~The Requestor hereby agrees to indemnify, defend, and hold harmless the Utilities, the MCAMLIS Steering Committee, the County, and any other party to the MCAMLIS program and their subcontractors from any claims arising out of the Requestor's use of the digital base maps or any information or materials derived therefrom.~~
6. The Requestor understands that neither the Utilities nor the County has any obligation to supplement or update any of the digital base maps provided. Should, however, the Utilities or the County provide any updated digital base maps to the Requestor, such updated maps shall automatically be covered hereunder.

~~In the event that MCAMLIS derived hardcopy maps depicting the MCAMLIS copyright have been modified by Requestor, the Requestor shall describe such modification and depict the modification as clearly distinguishable from the original MCAMLIS base maps. The Requestor agrees not to misrepresent the MCAMLIS base maps, nor to state or imply that modifications made by Requestor were authorized by MCAMLIS.~~

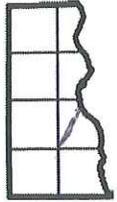
AGREED TO:

Requestor: _____

By: _____ Date: _____
Utilities

By: _____ Date: _____

VI c.



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

c/o Department of
Parks and Public Infrastructure
2711 West Wells Street, Room 427
Milwaukee, Wisconsin 53208-3509
Telephone (414) 278-2176
Fax (414) 223-1982

MEMORANDUM

TO: MCAMLIS Steering Committee
FROM: Kevin R. White, MCAMLIS Project Manager
DATE: April 29, 2005
SUBJECT: Consideration of the Elimination of the MCAMLIS License Agreement.

BACKGROUND

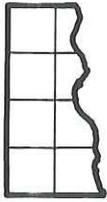
Under a License Agreement entered into on December 9, 1993, Milwaukee County, the Milwaukee County Metropolitan Sewerage District (MMSD), Wisconsin Bell (now SBC), the Wisconsin Electric Power Company (now WE Energies), and the Wisconsin Gas Company (also now WE Energies) established a formal arrangement pertaining to the copyright ownership of the MCAMLIS digital mapping materials. Under the terms of that agreement, the MCAMLIS Steering Committee retained the copyright title to all hard copy materials, while a subcommittee of MMSD, SBC and WE Energies (Utility Subcommittee) were granted copyright title to all the digital mapping materials.

At the July 15, 2003 Steering Committee meeting, the Committee authorized MCAMLIS Project staff to undertake a review of the copyright issue. This review was in response to recommendations from the MCAMLIS Land and Utility Information System Committee report. At its November 18, 2003 meeting, the Committee received a report on the copyright review. That report found that the Utility Subcommittee, with the exception of SBC, were willing to abandon the digital copyright. Additionally, the recommendation to seek voluntary resolution of the copyright issue was made by Milwaukee Corporation Counsel in a report to the Milwaukee County Board Committee on Judiciary, Safety and General Services at their April 14, 2005 meeting, which pertained to the a review of the MCAMLIS Cooperative Agreement.

RECOMMENDATION

It is therefore recommended that the MCAMLIS Steering Committee instruct MCAMLIS Project staff to work with Milwaukee County Corporation Counsel and the Utility Subcommittee, in particular SBC, to pursue a voluntary resolution of the MCAMLIS digital copyright issue.

* * * * *



MILWAUKEE COUNTY
AUTOMATED MAPPING AND
LAND INFORMATION SYSTEM

c/o Southeastern Wisconsin
Regional Planning Commission
W239 N1812 Rockwood Drive
PO Box 1607
Waukesha, Wisconsin 53187-1607

MEMORANDUM

TO: MCAMLIS Steering Committee

FROM: Thomas D. Patterson, MCAMLIS Project Manager

DATE: December 3, 2004

SUBJECT: **Recommendation for the Cancellation, by Mutual Consent, Effective December 31, 2004, of the Agreement between the MCAMLIS Steering Committee and the SEWRPC Concerning the Provision of Updating and Maintenance Services for the MCAMLIS Street Address Database and the MCAMLIS Digital Cadastral Maps.**

BACKGROUND

On April 4, 2000, the MCAMLIS Steering Committee entered into an Agreement with the Southeastern Wisconsin Regional Planning Commission (SEWRPC) for the provision of updating and maintenance services to previously completed MCAMLIS cadastral maps and street address files. Coincident with the execution of that Agreement, the SEWRPC entered into a second Agreement with the Milwaukee County Register of Deed's Office (ROD) to provide working space, computer equipment and software and a staff position to carry out the actual maintenance activities; the SEWRPC maintaining oversight and quality assurance of these services on behalf of the MCAMLIS Steering Committee. Understanding that these arrangements would at some point be replaced by other, more permanent, arrangements, each of these Agreements provided for the termination of the respective arrangements by mutual consent of the parties concerned. Action taken by the MCAMLIS Steering Committee at its meeting held on November 16, 2004, officially transferred the oversight responsibilities for this work to the Milwaukee County Department of Parks and Public Infrastructure (DPPI), this oversight to become effective January 1, 2005.

FISCAL CONSIDERATIONS

Under the terms and conditions of the Agreement between the MCAMLIS Steering Committee and the SEWRPC, the Steering Committee has made regularly scheduled payments to the SEWRPC in support of the specified activity in accordance with a payment schedule set forth in the Agreement. Under the terms of the Agreement between the SEWRPC and the ROD, expenses borne by the ROD in providing the updating and maintenance services have been reimbursed by the SEWRPC upon receipt from the ROD of invoices submitted on a quarterly calendar basis.

Under the terms of the payment schedule set forth in the Agreement between the Steering Committee and the SEWRPC, SEWRPC has received a total amount of \$330,000 from the Steering Committee in support of this service with no additional amounts scheduled to be received by the SEWRPC from the Steering Committee through December 31, 2004. Through the end of the third calendar quarter of 2004, the SEWRPC has reimbursed the ROD in the total amount of \$292,895 with one additional invoice still to be received by the SEWRPC from the ROD covering the period from October 1, 2004, through December 31, 2004.

RECOMMENDATION

In view of the approaching assumption of responsibilities for the map maintenance function by the DPPI, it is recommended that the MCAMLIS Steering Committee and the SEWRPC, by mutual consent terminate the aforereferenced April 4, 2000, Agreement effective December 31, 2004. The SEWRPC will in turn terminate its Agreement with the ROD by mutual consent also as of December 31, 2004, and will make one final payment to the ROD for expenditures incurred during the 4th calendar quarter of 2004 upon receipt of an appropriate invoice from the ROD during January, 2005. At such time that this final payment is made to the ROD, the SEWRPC will refund any remaining balance collected from the MCAMLIS Steering Committee for this service over and above the amount paid to the ROD as reimbursement for costs incurred by that Office.

* * * * *

TDP/lgh/mlh
#102152 V1 - Recommendations For Agreement Cancelllation

6d



MILWAUKEE
COUNTY
PARK
SYSTEM

SCOTT WALKER
County Executive

SUE BLACK
Parks Director

To: MCAMLIS Steering Committee
From: Milwaukee County Register of Deeds, Department of Parks and Public Infrastructure, and Department of Administrative Services
Date: December 1, 2004
Subject: Proposed Program for the Migration of MCAMLIS Data Holdings to a Geodatabase Environment.

Background

At the June 2003 meeting of the MCAMLIS Steering Committee, two work proposals were submitted for your consideration, Reorganization of Digital Cadastral Base into a Continuous Base Map and Extension of the Milwaukee County Street Address Database. While the County believed that these two work efforts would be of value to the County and other MCAMLIS members, we felt that to move forward as proposed, would cause serious problems for the maintenance and usability of these data products by the County.

At the July, 2003 MCAMLIS Steering Committee meeting, the County proposed and the committee approved a request for funding for the County to proceed with an internal study to develop geodatabase designs for the conversion MCAMLIS data holdings. The study focused on a County needs assessment, municipal database design workshops, detailed database designs and implementation strategies.

In January 2004, the County began it needs assessment and database design study. At the November 2004 meeting, after careful review by all MCAMLIS Steering committee members, the technical specifications for the migration of the MCAMLIS data were approved.

Need for Conversion of MCAMLIS Data Holdings

Milwaukee County, and its departments and offices, have determined that a number of significant opportunities exist to improve their internal management and use of geographic and land information data and systems (GIS/LIS). In particular, there is an opportunity to improve both the efficiency and effectiveness of departments in carrying out their missions and mandates by embracing an enterprise-wide approach to GIS. To that end, the County has determined that it needs a coordinated effort to continue build a countywide enterprise GIS.

Copy to [unclear]

The primary purpose of the Milwaukee County GIS Database Design Project has been to design of a formal ArcGIS-based system for the maintenance of key GIS foundation layers within the context of a County enterprise-wide GIS. The migration of the MCAMLIS digital cadastral and street address/centerline data to a seamless geodatabase environment will allow the ROD Office to more efficiently maintain and use the MCAMLIS data. The new data structures will also create opportunities for increased use and facilitate data sharing by other county departments, municipalities and MCAMLIS utility partners.

Migration Plan and Estimated Costs

The following is a set of specific migration steps identified in the GIS Database Design Project Requirements & Design Document to be initiated in 2004.

County Cadastral Conversion to Geodatabase

Description

This migration activity involves the planning, design, and conversion of the existing County parcel and PLSS information in the GIS to the finalized geodatabase model specification. The effort includes the development of a detailed RFP for conversion services, with deliverables requirements. Final QA/QC provided by County staff to check converted cadastral layer with existing master land records of the ROD office to verify accuracy of the final cadastral.

Timeline

The overall timeline associated with completion of those tasks outlined below shall commence in Q4 of 2004 into at least Q3 of 2005 depending on funding and the availability of County staff to provide final QA/QC activities.

Estimated Cost

The estimated cost associated with this activity ranges from \$148,500 to \$231,000. It assumes a reasonable level of effort to design and deploy a cadastral system that meets County needs.

County Street Address Conversion to Geodatabase

Description

Includes work efforts to upgrade existing street centerline data layers found within the County, and adding Situs address locations. Edits to County centerline coverage to add missing streets, or delete vacated streets using standardized digitizing methods in coverage format. Complete QA/QC effort on editing work, which includes spot field checks to verify addresses and address locations. Creation of Situs address locations based upon parcel centroids. Verification of address and related street centerline information will need to be completed. Links to ParcelID and TaxKeys checked and verified. Convert the data from coverage format into the final geodatabase model. Initial work should be conducted by an outside vendor with RFP and final

delivery requirements. Final QA/QC control should be performed by County GIS staff prior to placing the data into the County ArcSDE data repository.

Timeline

This activity should begin in Q4 of FY2004 and could be included in the cadastral migration effort if desired. Data should be ready for loading into ArcSDE data repository by the end of FY2005.

Estimated Cost

The estimated cost associated with this activity ranges from \$57,500 to \$95,000. It assumes a reasonable level of effort to design and deploy a cadastral system that meets County needs.

County Annotation Conversion to Geodatabase

Description

This implementation activity involves the planning, design, and conversion of the existing County annotation layers included in the GIS to the finalized geodatabase model specification. This effort includes the development of a detailed geodatabase model that incorporates County and ROD requirements for both digital and paper map production. This work effort includes conversion of existing annotation levels with deliverables requirements. Final QA/QC provided by County staff to verify accuracy of the final annotation placement on the map in both digital and paper formats.

Timeline

The overall timeline associated with completion of those tasks outlined below shall commence in Q4 of 2004 and last into Q3 of 2005.

Estimated Cost

The estimated cost associated with this activity ranges from \$10,000 to \$20,000. It assumes a reasonable level of effort to design and deploy an annotation system that meets County needs. This work effort will require a limited project management role for County staff.

Recommendations

Based on the county's assessment of this issue and the recommendations from the database design study, we are requesting that the MCAMLIS Steering Committee approve expenditure not to exceed \$346,000 to begin the migration tasks listed.



MILWAUKEE
COUNTY
PARK
SYSTEM

SCOTT WALKER
County Executive

SUE BLACK
Parks Director

To: MCAMLIS Steering Committee

From: Milwaukee County Register of Deeds, Department of Parks and Public Infrastructure, and Department of Administrative Services

Date: December 1, 2004

Subject: Proposed Program for the Migration of MCAMLIS Data Holdings to a Geodatabase Environment.

Background

At the June 2003 meeting of the MCAMLIS Steering Committee, two work proposals were submitted for your consideration, Reorganization of Digital Cadastral Base into a Continuous Base Map and Extension of the Milwaukee County Street Address Database. While the County believed that these two work efforts would be of value to the County and other MCAMLIS members, we felt that to move forward as proposed, would cause serious problems for the maintenance and usability of these data products by the County.

At the July, 2003 MCAMLIS Steering Committee meeting, the County proposed and the committee approved a request for funding for the County to proceed with an internal study to develop geodatabase designs for the conversion MCAMLIS data holdings. The study focused on a County needs assessment, municipal database design workshops, detailed database designs and implementation strategies.

In January 2004, the County began it needs assessment and database design study. At the November 2004 meeting, after careful review by all MCAMLIS Steering committee members, the technical specifications for the migration of the MCAMLIS data were approved.

Need for Conversion of MCAMLIS Data Holdings

Milwaukee County, and its departments and offices, have determined that a number of significant opportunities exist to improve their internal management and use of geographic and land information data and systems (GIS/LIS). In particular, there is an opportunity to improve both the efficiency and effectiveness of departments in carrying out their missions and mandates by embracing an enterprise-wide approach to GIS. To that end, the County has determined that it needs a coordinated effort to continue build a countywide enterprise GIS.

The primary purpose of the Milwaukee County GIS Database Design Project has been to design of a formal ArcGIS-based system for the maintenance of key GIS foundation layers within the context of a County enterprise-wide GIS. The migration of the MCAMLIS digital cadastral and street address/centerline data to a seamless geodatabase environment will allow the ROD Office to more efficiently maintain and use the MCAMLIS data. The new data structures will also create opportunities for increased use and facilitate data sharing by other county departments, municipalities and MCAMLIS utility partners.

Migration Plan and Estimated Costs

The following is a set of specific migration steps identified in the GIS Database Design Project Requirements & Design Document to be initiated in 2004.

County Cadastral Conversion to Geodatabase

Description

This migration activity involves the planning, design, and conversion of the existing County parcel and PLSS information in the GIS to the finalized geodatabase model specification. The effort includes the development of a detailed RFP for conversion services, with deliverables requirements. Final QA/QC provided by County staff to check converted cadastral layer with existing master land records of the ROD office to verify accuracy of the final cadastral.

Timeline

The overall timeline associated with completion of those tasks outlined below shall commence in Q4 of 2004 into at least Q3 of 2005 depending on funding and the availability of County staff to provide final QA/QC activities.

Estimated Cost

The estimated cost associated with this activity ranges from \$148,500 to \$231,000. It assumes a reasonable level of effort to design and deploy a cadastral system that meets County needs.

County Street Address Conversion to Geodatabase

Description

Includes work efforts to upgrade existing street centerline data layers found within the County, and adding Situs address locations. Edits to County centerline coverage to add missing streets, or delete vacated streets using standardized digitizing methods in coverage format. Complete QA/QC effort on editing work, which includes spot field checks to verify addresses and address locations. Creation of Situs address locations based upon parcel centroids. Verification of address and related street centerline information will need to be completed. Links to ParcelID and TaxKeys checked and verified. Convert the data from coverage format into the final geodatabase model. Initial work should be conducted by an outside vendor with RFP and final

delivery requirements. Final QA/QC control should be performed by County GIS staff prior to placing the data into the County ArcSDE data repository.

Timeline

This activity should begin in Q4 of FY2004 and could be included in the cadastral migration effort if desired. Data should be ready for loading into ArcSDE data repository by the end of FY2005.

Estimated Cost

The estimated cost associated with this activity ranges from \$57,500 to \$95,000. It assumes a reasonable level of effort to design and deploy a cadastral system that meets County needs.

County Annotation Conversion to Geodatabase

Description

This implementation activity involves the planning, design, and conversion of the existing County annotation layers included in the GIS to the finalized geodatabase model specification. This effort includes the development of a detailed geodatabase model that incorporates County and ROD requirements for both digital and paper map production. This work effort includes conversion of existing annotation levels with deliverables requirements. Final QA/QC provided by County staff to verify accuracy of the final annotation placement on the map in both digital and paper formats.

Timeline

The overall timeline associated with completion of those tasks outlined below shall commence in Q4 of 2004 and last into Q3 of 2005.

Estimated Cost

The estimated cost associated with this activity ranges from \$10,000 to \$20,000. It assumes a reasonable level of effort to design and deploy an annotation system that meets County needs. This work effort will require a limited project management role for County staff.

Recommendations

Based on the county's assessment of this issue and the recommendations from the database design study, we are requesting that the MCAMLIS Steering Committee approve expenditure not to exceed \$346,000 to begin the migration tasks listed.

To: MCAMLIS Steering Committee

From: Milwaukee County Register of Deeds, Department of Parks and Public Infrastructure, and Department of Administrative Services

Date: October 6, 2004

Subject: Proposed Program for the Migration of MCAMLIS Data Holdings to a Geodatabase Environment.

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Need for Conversion of MCAMLIS Data Holdings

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Migration Plan and Estimated Costs

The following is a set of specific migration steps broken down into two phases through 2006. Detailed information on migration efforts and issues can be found in GIS Database Design Project Requirements & Design Document.

Phase 1 (2004-2005)

1. County Cadastral Geodatabase Migration	\$231,000
2. County Street Address Geodatabase Migration	\$95,000
3. County Annotation Conversion to Geodatabase	\$20,000
4. ArcGIS Training for County Staff	\$10,000
5. County Land Records Map Series	\$18,500
6. Geodatabase Maintenance Support System	\$52,500
Phase 1 Total Cost	\$427,000

Phase 2 (2005-2006)

1. City of Milwaukee Cadastral Conversion to Geodatabase	\$125,500
2. City of Milwaukee Street Address Conversion to Geodatabase	\$88,000
3. ArcIMS Application Enhancements	\$12,000
4. Development of Countywide Geocoding Services	\$12,000
Phase 2 Total Cost	\$237,500

Total Conversion Costs **\$664,500**

Recommendations

Based on the county's assessment of this issue and the recommendations from the database design study, we are requesting that the MCAMLIS Steering Committee approve expenditure not to exceed \$427,000 to begin the migration tasks listed in Phase 1 above.