



**DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS
MILWAUKEE COUNTY LAND INFORMATION OFFICE**

2711 West Wells Street, Rm 426, Milwaukee, WI 53208 (414) 278-2176

MEMORANDUM

TO: «prefix» «first_name» «middle_initial» «last_name» «LnameSuffix» «Suffix»
 «title»
 «organization»
 «address1»
 «address2»
 «city», «state». «zipcode»

FROM: William C. Shaw, MCAMLIS Project Manager

DATE: March 12, 2010

SUBJECT: MCAMLIS 81st Steering Committee Meeting Materials

Enclosed please find a set of materials that the steering committee will take up at its scheduled March 16th meeting.

- I. Meeting Agenda
- II. Nominating Committee 2010 Candidate Recommendation
- III. Meeting Minutes of the 80th Steering Committee meeting held December 8th, 2009
- IV. Reports
 - A. Report materials prepared by Milwaukee County Register of Deeds staff on MCAMLIS street address and cadastral map maintenance operations **(distributed earlier and included here)**
 - B. Report materials prepared by City of Milwaukee staff on MCAMLIS cadastral map maintenance operations
 - C. Report materials related to the MCAMLIS Enterprise Address Project
 - D. Report materials related to the MCAMLIS Milwaukee County Plats of Survey Project **(distributed earlier and included here)**
 - E. Report materials related to the Evaluation of Orthophotography Products; the 2010 Regional Orthophotography Program; the Pictometry "AccuPlus" Orthophotography; and Oblique Imagery Products
 - F. Report materials related to the status of the CDBG-EAP Grant application and LiDAR Data Acquisition Program
 - G. Report materials prepared by MCAMLIS Staff regarding 2009 Accomplishments
 - H. Report materials prepared by the Milwaukee County Surveyor regarding the status of 2009 Surveyor Activities **(distributed earlier and included here)**

- I. Report materials prepared SEWRPC staff on the status of the Regional Water Study **(distributed earlier and included here)**
- J. Report materials prepared by SEWRPC staff on the status of MCAMLIS Floodland Mapping Project **(distributed earlier and included here)**
- K. Report materials prepared by Milwaukee County DAS staff related to the MCAMLIS Fiscal status **(to be distributed at the meeting)**
- IV. Old Business
 - A. Proposed Senate Bill 507 relating to changing the fees collected by the Register of Deeds, the redaction of social security numbers from electronic documents, and changes to the land information program
- V. New Business
 - A. Materials prepared by MCAMLIS Staff regarding MCAMLIS Staffing and Future Home Organization and Structure **(to be distributed at the meeting)**
- VI. Correspondence

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

Eighty-First Steering Committee Meeting

AGENDA

Date: March 16th, 2010
Time: 9:00 a.m.
Place: Milwaukee Metropolitan Sewerage District
MMSD Hdqtrs, Room: O.J. Noer - A
260 W Seeboth St.
Milwaukee, WI. 53204

- I. Roll Call
- II. Special Order of Business
 - Election of 2010 MCAMLIS Steering Committee Officers
- III. Meeting Minutes
 - Consideration of the minutes of the 80th Steering Committee meeting held December 8th, 2009
- IV. Reports
 - A. Report by Milwaukee County Register of Deeds staff on MCAMLIS street address and cadastral map maintenance operations.
 - B. Report by City of Milwaukee staff on MCAMLIS cadastral map maintenance operations.
 - C. Report by MCAMLIS staff on the status of the Enterprise Address Project.
 - D. Report by MCAMLIS Staff on the status of internet access to the Milwaukee County Plats of Survey
 - E. Report by MCAMLIS staff on the status of the Evaluation of Orthophotography Products; the 2010 Regional Orthophotography Program; the Pictometry "AccuPlus" Orthophotography; and Oblique Imagery Products
 - F. Report by MCAMLIS Staff on the status of CDBG-EAP Grant application and LiDAR Data Acquisition Program
 - G. Report by MCAMLIS Staff regarding 2009 Accomplishments
 - H. Report by the Milwaukee County Surveyor regarding the status of 2009 Surveyor Activities
 - I. Report by SEWRPC staff on the status of the Regional Water Study
 - J. Report by SEWRPC staff on the status of MCAMLIS Floodland Mapping Project
 - K. Report by Milwaukee County DAS staff on MCAMLIS Fiscal status

V. Old Business

- A. Senate Bill 507 relating to changing the fees collected by the Register of Deeds, the redaction of social security numbers from electronic documents, and changes to the land information program

VI. New Business

- A. MCAMLIS Staffing and Future Home Organization and Structure

VII. Correspondence

VIII. Date, time, and place of next meeting

IX. Adjournment



MEMORANDUM: FROM ENGINEERING

DATE: February 2, 2010

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/internet the committee has selected the following nomination for officers for the 2010 MCAMLIS Steering Committee:

Chairman: Mr. Donald Nehmer
Vice Chairman: Ms. Nancy Olson

Both candidates have agreed to serve as officers for the calendar year of 2010. It is recommended that the chair appoint Milwaukee County staff as secretary.

Respectfully submitted,

John Bennett
Greg High
John Place

JMB/db

MINUTES OF THE 80th MEETING
Milwaukee County Automated Mapping and Land Information System
Steering Committee

Date: Tuesday, December 8, 2009
Time: 9:00a.m.
Place: Milwaukee County City Campus
2711 W. Wells Street
Room 349
Milwaukee, WI 53208

Members Present

Kurt W. Bauer, Chairman	Milwaukee County Surveyor
Donald R. Nehmer, Vice Chairman	Capital Program Business Manager, Milwaukee Metropolitan Sewerage District
Nancy A. Olson	Chief Information Officer, Information and Technology Management Division, City of Milwaukee
John M. Bennett	City engineer, City of Franklin, representing the Intergovernmental Coordinating Council of Milwaukee County
Gregory G. High	Director, Architecture, Engineering and Environmental Services Division, Milwaukee County Department of Transportation and Public Works, representing the Interim Director, Milwaukee County Department of Transportation and Public Works
Karen Gross	Representing John C. Place, Manager, Gas Engineering and Mapping, We Energies
John L. La Fave, LIO	Milwaukee County Register of Deeds
CJ Pahl	Fiscal Mgt Analyst Representing Cynthia Archer, Director of Milwaukee County Department of Administrative Services

Members Absent

Guest and Staff Present

Tammy Bronson	City of Milwaukee, Information and Technology Management Division
Pamela Booth	City of Milwaukee, Information and Technology Management Division
Phil Mroczkowski	City of Milwaukee

Gary E. Drent	Fiscal and Budget Manager, Milwaukee County, DTPW/AE&ES
William C. Shaw	MCAMLIS Project Manager, Milwaukee County DTPW/AE&ES
Kevin Bruhn	Milwaukee County DTPW/AE&ES
Hardy Meihnsner	GeoDecisions

I. ROLL CALL

Chairman Bauer called the Eightieth meeting of the Milwaukee County Automated Mapping and Land Information System (MCAMLIS) Steering Committee to order at 9:00a.m. Roll Call was taken by circulating an attendance signature sheet and a quorum was declared present.

II(a) CONSIDERATION OF THE MINUTES OF THE 79TH STEERING COMMITTEE MEETING HELD SEPTEMBER 22, 2009

Bauer: noted that a copy of the minutes was provided with the meeting materials and asked if there were any corrections required?

Motion: Bennett moved to accept minutes
Second: Nehmer motion carried unanimous

III REPORTS

III(a) REPORT BY MCAMLIS STAFF ON THE STATUS OF THE ENTERPRISE ADDRESS PROJECT.

Shaw: directed the committee to the staff report included with the meeting materials

Bauer: stated for the minutes, that the report was accepted by consensus and is to be placed on file.

III(b) REPORT BY MCAMLIS STAFF ON THE STATUS OF THE MILWAUKEE COUNTY PLATS OF SURVEY PROJECT

Shaw: directed the committee to the staff report included with the meeting materials

Bauer: stated for the minutes, that the report was accepted by consensus and is to be placed on file.

III(c) REPORT BY MCAMLIS STAFF ON THE STATUS OF THE 2010 REGIONAL ORTHOPHOTO IMAGING AND PHOTOGRAMETRIC PROGRAM

Shaw: directed the committee to the staff report included with the meeting materials

Bauer: added that the Technical Advisory Committee is to be appointed by SEWRPC

Olson: Who is going to represent the LIO [in the Technical Advisory Committee]?

Shaw: The letter from Mr. Evenson suggests that it will be an LIO from one of the other counties in the region. It was suggested that it might be Don Dittmar from Waukesha County.

Bauer: Are they all on board [regarding an agreement between SEWRPC, WISDOT, and others]?

Shaw: Mr. Evenson had told him that verbal approval has been given, but nothing can be executed until after the first of next year.

Bauer: Added that funding is provided as part of the federal transportation planning funds, and that the transportation improvement program for the area must be approved & sent to the federal government, which will act in January, after which contracts will be drawn up.

Bauer: stated for the minutes, that the report was accepted by consensus and is to be placed on file.

III(d) REPORT BY MILWAUKEE COUNTY DAS STAFF ON MCAMLIS FISCAL AND 2010 MILWAUKEE COUNTY BUDGET STATUS

Pahl: directed the committee to the staff report included with the meeting materials.

Pahl: further noted that all MCAMLIS funds are included in the 5084 sub account and that the 6148 line includes what the Steering Committee can use to pay contracts. Adding that what is left in the 6148 line is typically what is available for projects.

Drent: added that this line includes ongoing funding for the County Surveyor and the City of Milwaukee. Whatever remains can be used for projects.

Pahl: concluded that there may be between \$30,000 and \$50,000 for new 2010 projects.

Bennett: stated that ongoing operation costs are starting to approach retained fee income.

Bauer: added that eventually funding the MCAMLIS county staff salaries and whatever ongoing contracts will consume available funding.

Bennett: 2010 budget discussion should be added to the next meeting agenda

Bauer: suggested that Staff should prepare a memorandum covering what it envisions regarding a 2010 budget

Bauer: stated for the minutes, that the report was accepted by consensus and is to be placed on file.

IV. OLD BUSINESS

IV(a) INFORMATIONAL UPDATE BY THE MILWAUKEE COUNTY REGISTER OF DEEDS REGARDING THE STATUS OF THE PROPOSED FLAT FEE LEGISLATION.

LaFave: stated that the proposed flat fee is \$30.00, of which \$5 would be used to redact any information containing personal identification from recorded documents, \$6 to fund MCAMLIS projects and \$2 for Internet access to public records. Basically the \$4 fee will become \$6 per document and the \$1 fee will become \$2. If this was for all of 2010 the revenue for the \$4 fee would increase by 50% and the \$1 fee would increase 100%. Senator Erpenbach has received a preliminary draft of the bill from the legislative reference bureau and they may be circulating for legislative co-sponsors this month. There's a chance this could possibly pass in the next few months and become law and if it does pass with these land information fees changing, the effective date of the bill would be 30 days after the Governor signs it into law.

V. NEW BUSINESS

V(a) CONSIDERATION OF A 2010 AGREEMENT FOR MILWAUKEE COUNTY SURVEYOR SERVICES BETWEEN MCAMLIS AND SEWRPC.

Bauer: directed the committee to the proposed letter agreement included with the meeting materials.

**Motion Nehmer moved approval of the contract (\$77,175)
 Bennett second carried unanimous**

V(b) CONSIDERATION OF A 2010 AGREEMENT FOR MAP MAINTENANCE SERVICES BETWEEN MCAMLIS AND THE CITY OF MILWAUKEE

Bauer: directed the committee to the proposed letter agreement included with the meeting materials.

Shaw: stated the agreement is the exact same agreement with the City of Milwaukee that has been approved for the last 3 annual sessions. It is for contracting services for the delivering of Cadastral Maintenance and address data maintenance within the City of Milwaukee. This agreement reflects an increase from previous years of \$4200 now totaling \$87,852.00.

Bennett: Is this to hire personnel?

Shaw: This is for services that City of Milwaukee provides to MCAMLIS for address maintenance and cadastral data maintenance. Delivered in the MCAMLIS format to Milwaukee County, so we can incorporate that in the countywide mapping for MCAMLIS.

Bennett: Do they document the time spent?

Shaw: This is for services, not for personnel. This is the estimate from the City of Milwaukee for the cost of those services.

Bennett: Can we audit that somehow?

Shaw: We currently do not audit the individual expenditures.

Bennett: I think we should. The Committee deserves an annual report on this.

LaFave: proposed a discussion in 2010 regarding the possibility of bringing City of Milwaukee cadastral data maintenance into the County.

Secretaries Note: The committee then entered into a long discussion regarding comparing the costs of MCAMLIS parcel mapping to that of the City of Milwaukee, as well as integrating independent municipal parcel mapping with the County, etc

Bauer: requested that Mr. LaFave initiate negotiations with the City on this issue.

Motion: Bennett moved to stipulate that the City of Milwaukee report annually to MCAMLIS with its expenditures under the contract, LaFave second, Nehmer No, motion carried

Motion: Bennett moved to approve the contract (\$87,852) as amended, LaFave second, motion carried unanimously

V(c) **APPOINTMENT OF A NOMINATING COMMITTEE TO RECOMMEND A SLATE OF OFFICERS TO THE STEERING COMMITTEE AT ITS NEXT REGULAR MEETING**

Bauer: Mr. Bennett Chairman, Mr. Place represent the utilities, Mr. High represent Milwaukee County. Provide a report first meeting next year.

V(d) **CONSIDERATION OF A MCAMLIS STAFF REPORT AND RECOMMENDATION TO APPLY FOR CDBG-EAP GRANT FUNDING AVAILABLE TO ASSIST FLOODPLAIN MAPPING EFFORTS.**

Shaw: directed the committee to the report made available at the meeting

Motion: Approval of the CDBG-EAP Citizen Participation Plan directing the MCAMLIS project manager to formulate a Citizen Participation Committee and to pursue CDBG-EAP Grant opportunities related to the acquisition of LiDAR data. Bennett moved, LaFave second; carried unanimously

V(e) **COMMITTEE FORMULATION AND WORK PROGRAM AND BUDGET FOR 2011**

Bauer: restating Mr. Nehmer's comments regarding MCAMLIS budget formulation procedures, stated that the budget for 2010 was formulated largely by MCAMLIS staff without input from the committee with respect to an overall work program or a budget to implement that work program and that in the formulation of the 2011 budget consideration be given to the Committee in setting forth work program objectives and a budget to implement them. Further asking, how might the committee want to proceed with this in the coming year?

Bennett: stated that he thought that there should be consideration of continuing the MCAMLIS base mapping and that we were fortunate to have been able to do the topo-planimetric in 2005.

Bauer: responding that the foundational elements are composed of the control survey network and that these are being maintained under contract with the County Surveyor. The second foundation item would be topographic maps, which allow the preparation of the cadastral maps. The cadastral maps have been prepared and they are being maintained. Further adding that topographical maps have become even more costly to produce since 2005 when the latest maps of this type were last produced.

Bennett: What would it cost to keep our topo maps updated? When should they be updated? What should we be doing to provide service to our customers, which are, generally, our communities?

Bauer: the flat fee proposal should be apart of that discussion as well. I think we should begin with a staff memorandum on what the staff would propose with a set of objectives and overall work program or plan and a budget for 2011 which would implement to the extent that it can the high priority items.

Nehmer: Did the committee at one time have a strategic plan?

Shaw: In, 2004 Mr. Patterson compiled a work program document at the end of his tenure. Adding that many of the items noted therein were included in the Milwaukee County Land Information Modernization Plan approved by the Steering Committee in 2006. Further adding that the existing plan is due to be updated to guide activities for the next three to five years.

Bauer: Such a document should be developed and put before the Committee. This would serve as a point of beginning and help the committee to formulate a work plan and budget going forward.

Secretaries note: Mr. Shaw agreed to begin the draft of an updated plan. The document was originally to be presented at the next meeting scheduled for March 16, 2010 but has been delayed due to concerns by the Committee Chair in consultation with MCAMLIS Staff that pressing issues regarding MCAMLIS organization and staffing should be first taken up by the committee prior to consideration of program strategies going forward.

VI CORRESPONDENCE

Shaw: directed committee to the report included with the meeting materials.

VII DATE, TIME, AND PLACE OF NEXT MEETING

Shaw: March 16, 2010 @ 9:00am

VIII ADJOURNMENT

Motion: Bennett moved adjournment
Nehmer second carried unanimous

R.21 E.

R.22 E.

MCAMLIS Address Database Maintenance Status

March 2010 Status

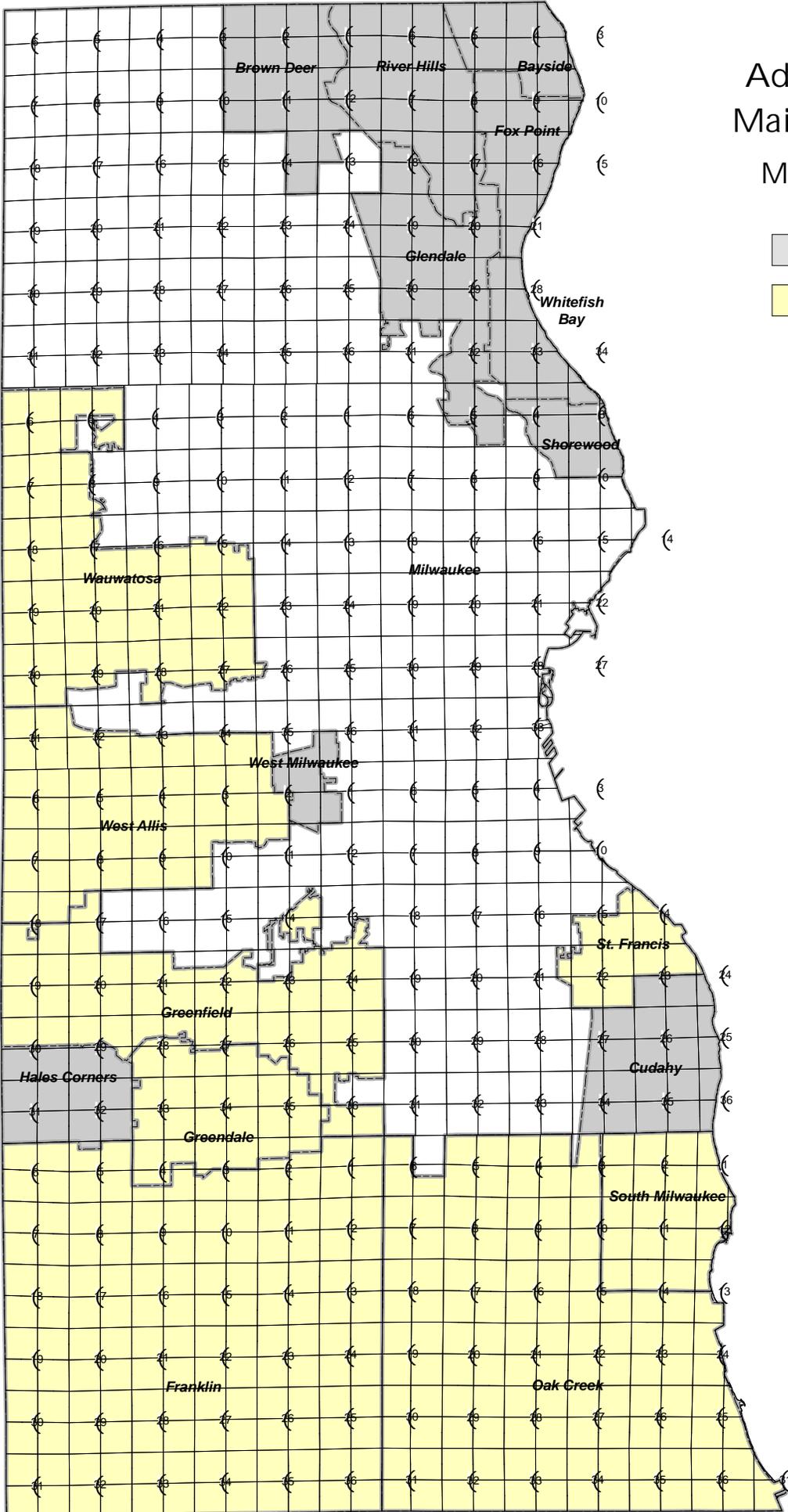
- January 1, 2009
- March 1, 2010

T.8 N.

T.7 N.

T.6 N.

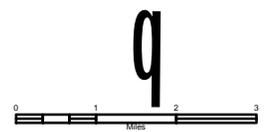
T.5 N.



R.21 E.

R.22 E.

R.23 E.



Source: MCAMLIS Project Manager

R.21 E.

R.22 E.

MCAMLIS Cadastral Database Maintenance Status March 2010 Status

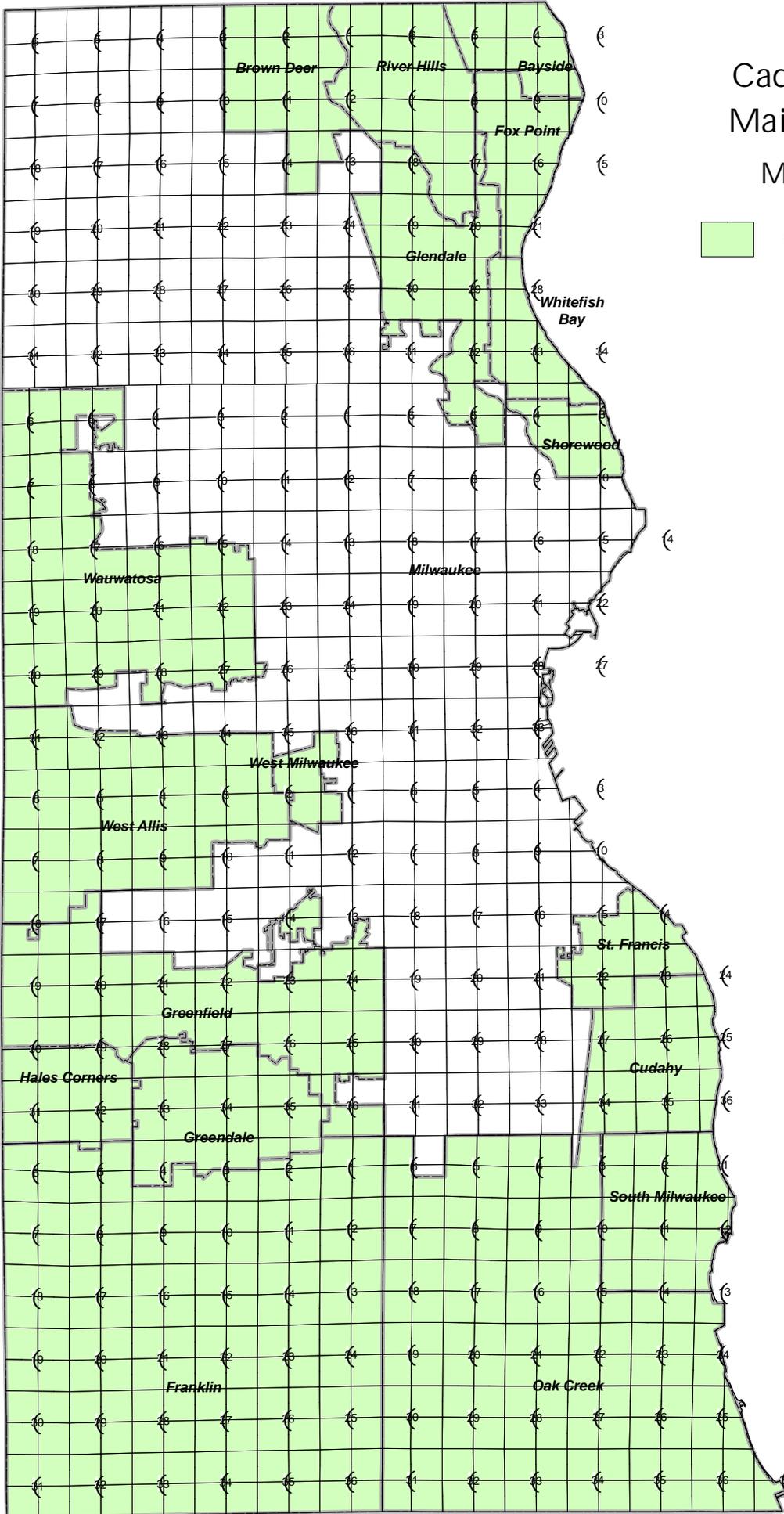
 Current as of February 1, 2010

T.8 N.

T.7 N.

T.6 N.

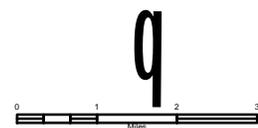
T.5 N.



R.21 E.

R.22 E.

R.23 E.



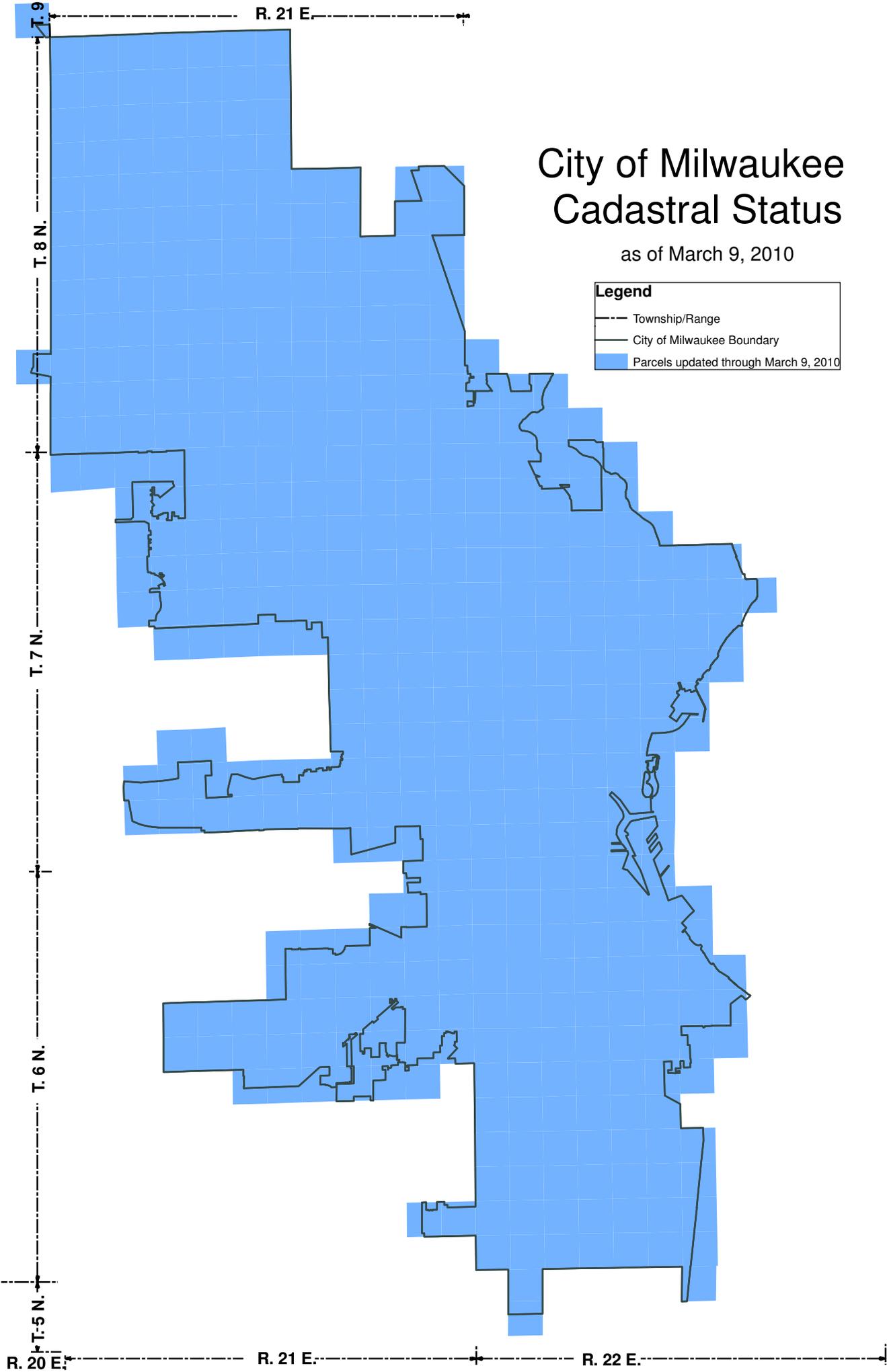
Source: MCAMLIS Project Manager

City of Milwaukee Cadastral Status

as of March 9, 2010

Legend

- Township/Range
- City of Milwaukee Boundary
- Parcels updated through March 9, 2010





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MILWAUKEE COUNTY LAND INFORMATION OFFICE**

2711 West Wells Street, Rm 426, Milwaukee, WI 53208 (414) 278-2176

MEMORANDUM

TO: MCAMLIS Steering Committee
FROM: William C. Shaw, MCAMLIS Project Manager
DATE: March 10, 2010
SUBJECT: Enterprise Address System Project Status

BACKGROUND

The Milwaukee County Automated Mapping and Land Information System (MCAMLIS) Steering Committee approved a project to provide for the development of a Countywide "Enterprise Address System" (EAS).

It was determined that a need for an EAS was a result of the many County and Regional services that rely on high quality address information to effectively provide critical services.

To meet this need, the EAS project is designed to provide a comprehensive approach to the management of all Milwaukee County Address information.

The EAS Project focus is on the establishment of data, technology and organizational components required to serve all Milwaukee County units of government as well as the many individual public service agencies that use address information in their day-to-day operations.

ACTIVITIES THIS PERIOD – 11/09 – 3/10

1. Deployed EOY composite Milwaukee County and City of Milwaukee Cadastral Data
2. Develop, build, test and deploy Version 2.2 of the MCLIO Interactive Mapping Service (attached MCLIO Interactive Map Service Dashboard)
 - Prepared and co-presented joint webinar highlighting website integration w/ Pictometry functionality. Webinar was attended by over 150 registrants from North America, Western Europe and Australia
 - Nominated for 2010 GeoTec Geospatial Leadership Award
 - Enhanced website help files and explored capability to use of Javascript for later release
 - Reviewed and tested additions to the Utility Feature Class data showing individual community sanitary sewer assets obtained in cooperation with MMSD
 - Deployed access to Milwaukee County Sheriff Sale (Property Foreclosure) data
3. Progress reconciling the EAS database to allow dynamic linking of parcels, addresses, units and structures (attached; centerline to structure and address to building status maps)
4. Completed EAS Street countywide street centerline alignment and address geocode verification process (status map attached)
 - Completed countywide geometry/attribute corrections

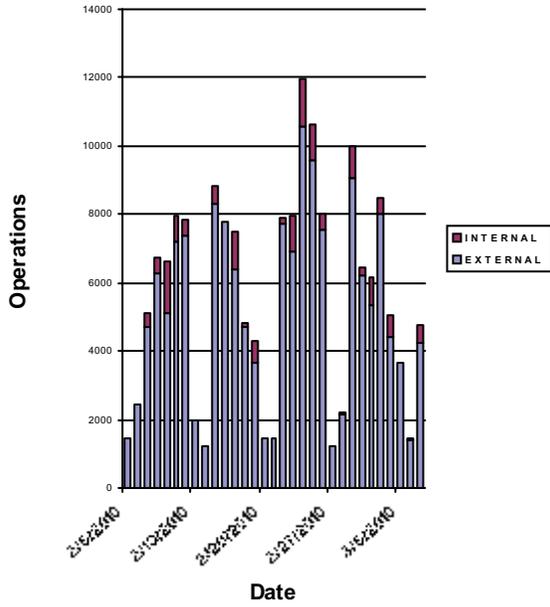
NEXT

- Ongoing effort toward incorporating multiple address source information
- Continue address integration implementing the countywide EAS Address Model
- MCLIO Interactive Mapping Services enhancement of capabilities and improvements

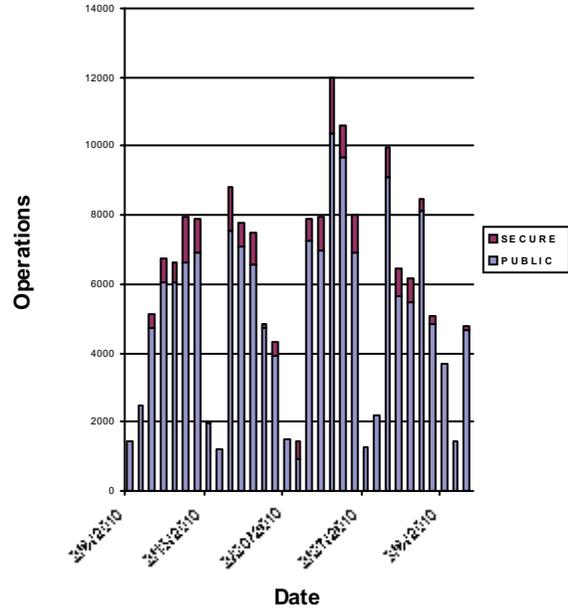
Attach: MCAMLIS EAS Address Model Status: Structure-to-Address Relationship
MCAMLIS EAS Address Model Status: Centerline-to-Address Relationship
MCLIO Interactive Mapping Services Dashboard and new website feature exhibits

MCLIO Map Services Dashboard

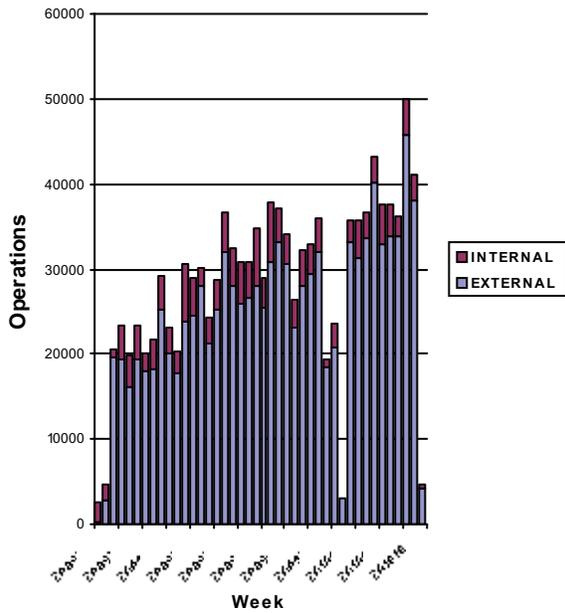
ACCESS



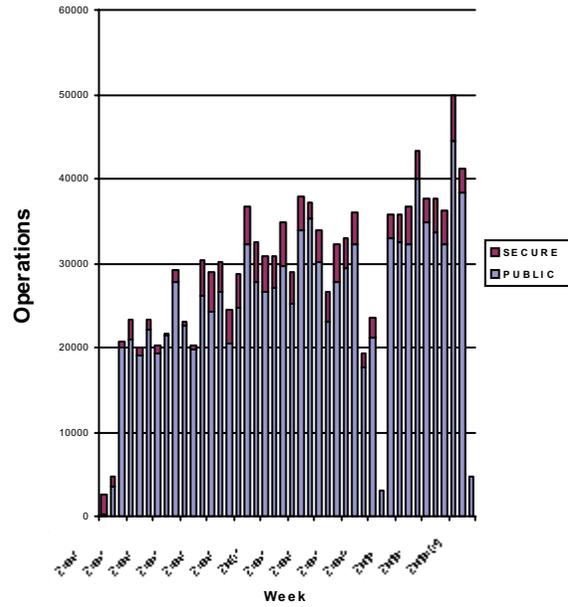
SITE SELECTION



ACCESS METHOD



SITE SELECTION



MCLIO Interactive Mapping Service
List of Organizations having SECURE Access

<i>Organization</i>	<i>Logins</i>
ATT	7
Bayside	1
Browndeer	2
Cudahy	21
Fox Point	3
Franklin	2
Glendale	1
Greendale/West Milwaukee	2
Greenfield	60
Hales Corners	1
Milwaukee	10
Milwaukee County	40
MMSD	33
North Shore Fire Department	1
Oak Creek	3
River Hills	1
SEWRPC	3
Shorewood	1
South Milwaukee	3
St. Francis	2
Wauwatosa	28
We Energies	3
West Allis	1
Whitefish Bay	2
WISDOT	1

MCAMLIS EAS Address Model Status

Structure-to-Address Relationship

For Work Performed through 2-23-10

PROGRESS

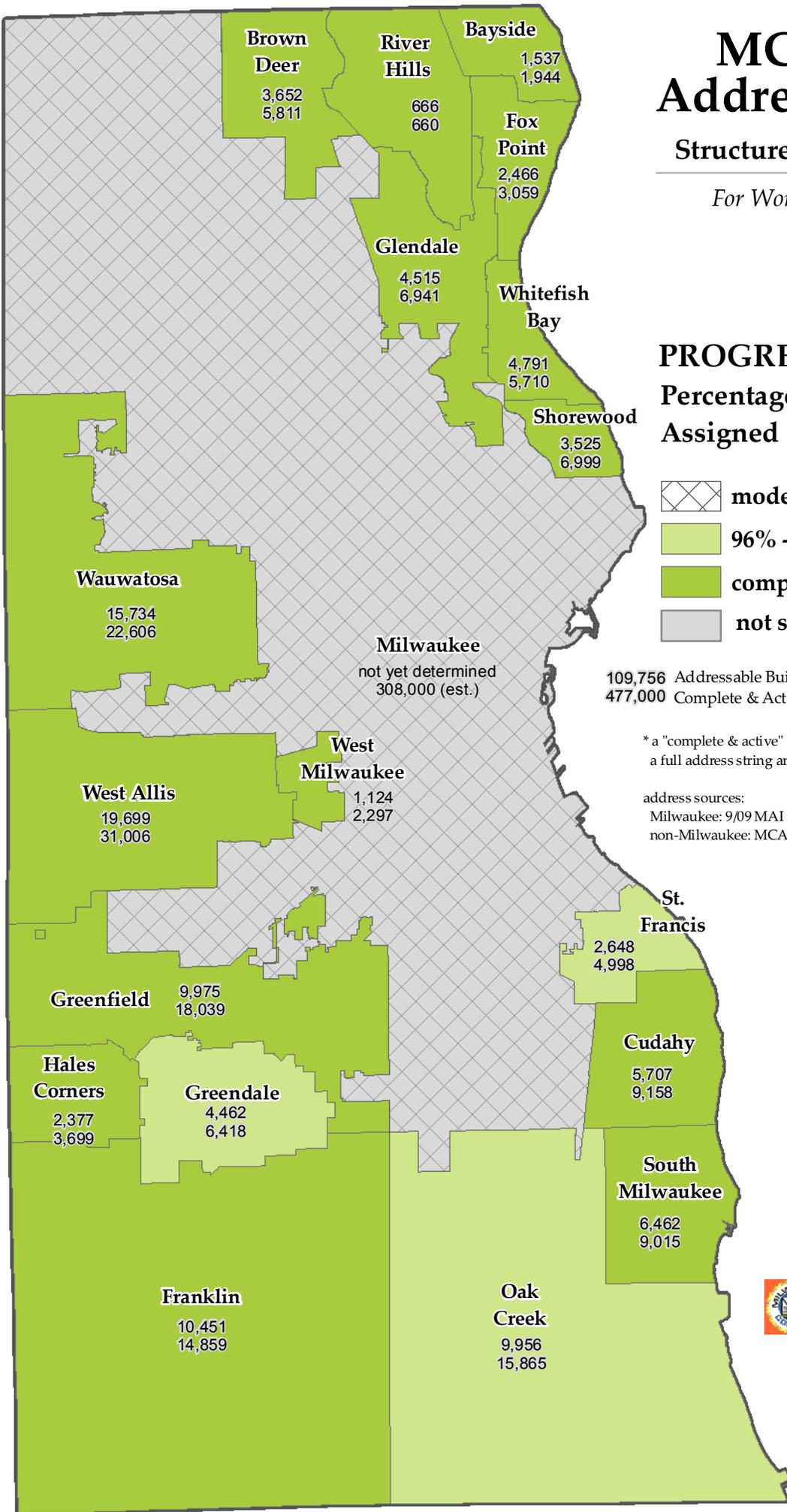
Percentage of Addresses Assigned to Structures

-  model to be constructed
-  96% - 98.0% (field collection required)
-  complete / ongoing maintenance (>98%)
-  not started: 60% complete (est.)

109,756 Addressable Building Polygons (excluding Milwaukee)
477,000 Complete & Active Address Records* (est. including Milwaukee)

* a "complete & active" address record contains enough data for a full address string and is not associated with a retired or vacant parcel

address sources:
Milwaukee: 9/09 MAI
non-Milwaukee: MCAMLIS-maintained address table



**Milwaukee County
Land Information Office**

MCAMLIS EAS Address Model Status

Centerline-to-Address Relationship

For Work Performed through 2-22-10

PROGRESS

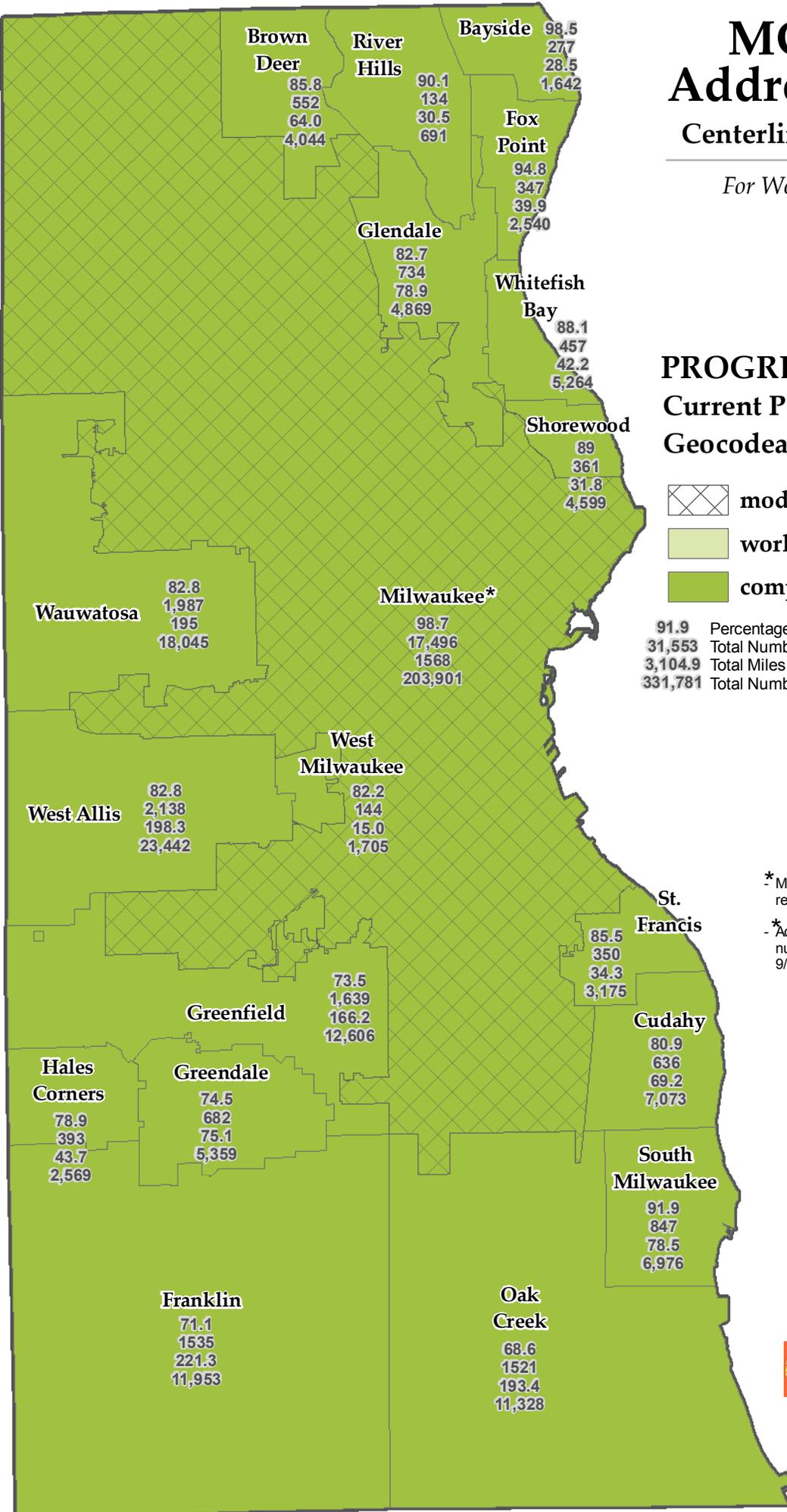
Current Percentage of Addresses
Geocodeable to Centerline Segments

-  model to be constructed
-  work remaining (98% to 99.5%)
-  complete / ongoing maintenance (>99.5%)

91.9 Percentage of Geocodeable Addresses Prior to Error Correction
 31,553 Total Number of Centerlines
 3,104.9 Total Miles of Centerline
 331,781 Total Number of Unique Addresses (excluding units)

* MCAMLIS centerline data incorporates the most recent data available from Milwaukee's DIME file (10/09)

* Addresses used to determine geocode success rate & number of unique addresses are sourced from the 9/09 edition of Milwaukee's MAI



**Milwaukee County
Land Information Office**

MCAMLIS EAS Address Model Status

Centerline Geometry

For Work Performed through 11-20-09

PROGRESS

Geometry Updates & Realignments,
In Ongoing Maintenance Since:

-  October 2009
-  August 2009
-  July 2009
-  June 2009
-  May 2009

3,099.7 Miles of Centerline



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Land Information Office**



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MEMORANDUM

TO: MCAMLIS Steering Committee
FROM: William C. Shaw, MCAMLIS Project Manager
DATE: March 5, 2010
SUBJECT: Internet Access to the Milwaukee County Plats of Survey Project Status

BACKGROUND

The Southeastern Regional Planning Commission, under requirement of the Wisconsin State Statute, serves as Surveyor for Milwaukee County. As such, the Commission is responsible for receiving and filing copies of land survey plats prepared by land surveyors for real property parcels in Milwaukee County. The Commission has maintained the files concerned since 1984 and those filings are currently in hard copy format.

At its regular meeting held March 24th 2009, the MCAMLIS Steering Committee approved a staff recommendation authorizing MCAMLIS and Commission Staff to jointly conduct efforts such that the existing hard copy files be converted to and maintained in digital format to facilitate user access through the Internet via the Milwaukee County Land Information Office (MCLIO) Interactive Mapping website. At the conclusion of this effort the responsibility for maintaining the files would shift to the Milwaukee County Automated Mapping and Land Information System and be managed under the direction of the MCAMLIS Project manager.

Activities – 7/09 through 3/5/2010

- Phase 1: Plat Conversion and Internet Application**

	Total	Completed	% Complete	% Remaining	\$\$	Est. \$\$
Scanning Drawers	40	40	100%	0%	\$45,154	\$44,000
Phase Management	200	72	64%	36%	\$3,191	\$5,000
Total			96%	4%	\$48,345	\$49,000

- Phase 2: Digital File Indexing and Website Enhancement**

	Total	Completed	% Complete	% Remaining	\$\$	Est. \$\$
Address Match	45750	45750	100%	0%	\$0	\$0
Address Missing	27980	27345	98%	2%	\$17,440	\$33,700
Address Data Entry	8000	0	100%	0%	\$0	\$0
New Plats	6000	0	0%	100%	\$0	\$6,300
Total	87730	73,095	83%	17%	\$17,440	\$40,000

- Completed scanning production using Mid City Blue services

- Indexed and deployed 90,000 documents utilizing the MCLIO Interactive Mapping Service website (see status map attached)

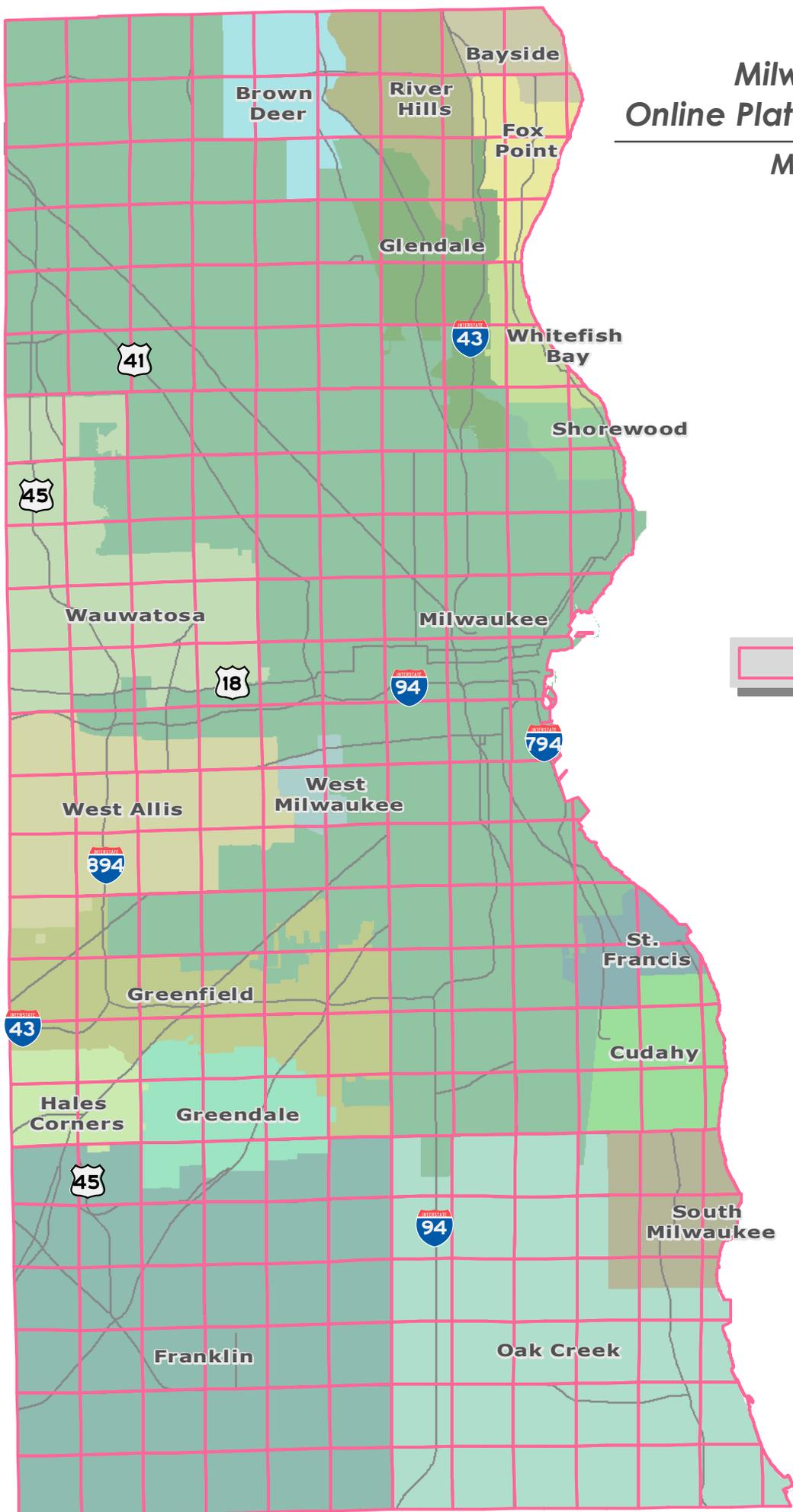
NEXT

- Continue indexing remaining ROD Plat of Survey documents (about 1,500 remain)
- Begin 2009 Plat of Survey Documents (about 1,300 received)

Attach: Plat of Survey Project Status Map

Milwaukee County Online Plat of Survey Availability

March 5, 2010



 Plats of Survey Available



Milwaukee County
Land Information Office



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MEMORANDUM

TO: MCAMLIS Steering Committee

FROM: William C. Shaw, MCAMLIS Project Manager

DATE: March 10, 2010

SUBJECT: 2010 Regional Orthophotography Program; Pictometry AccuPlus Comparison and Oblique Imagery Project Status

BACKGROUND

At five-year intervals in years ending in zero and five, SEWRPC typically acquires aerial photography/orthophotography sufficient to cover its seven-county planning jurisdiction and immediate environs. The 2010 program envisioned the acquisition of 1-foot pixel, color, and digital orthophotography for the entire seven county region. Milwaukee County, however, has requested a project approach that combines the acquisition of 6" Orthophotography and Oblique Imagery in the form of Pictometry International Corporation's AccuPlus product as an alternative to meet the underlying image requirements of the regional planning commission. In consideration of the requested approach it was determined that a comparative study would be required to establish the suitability of the AccuPlus technology to address the Commission's requirements.

The MCAMLIS Steering Committee approved this project at its 9/22/2009 meeting authorizing the comparative evaluation of orthophotographs produced by conventional photogrammetric technology and by the "AccuPlus" technology developed by the Pictometry International Corporation of Rochester, New York. The conventional orthophotographs concerned will be prepared by the firm of Aero-Metric, Inc. of Sheboygan, Wisconsin under the 2010 Regional Orthophotography Program. Federal funds from the Surface Transportation Program will be utilized to fund the study. STP-M funds will be combined with MCAMLIS matching funds to complete the project funding requirements.

A Technical Advisory Committee (TAC) comprised of representatives of Pictometry, Aero-Metric, USGS, WISDOT, MCAMLIS, a LIO and the Commission will oversee and guide the project.

ACTIVITIES THIS PERIOD – 11/09 – 3/10

1. Formulation of professional services contract and cost share documents

NEXT

1. Execute cost share contracts between MCAMLIS and the Regional Planning Commission

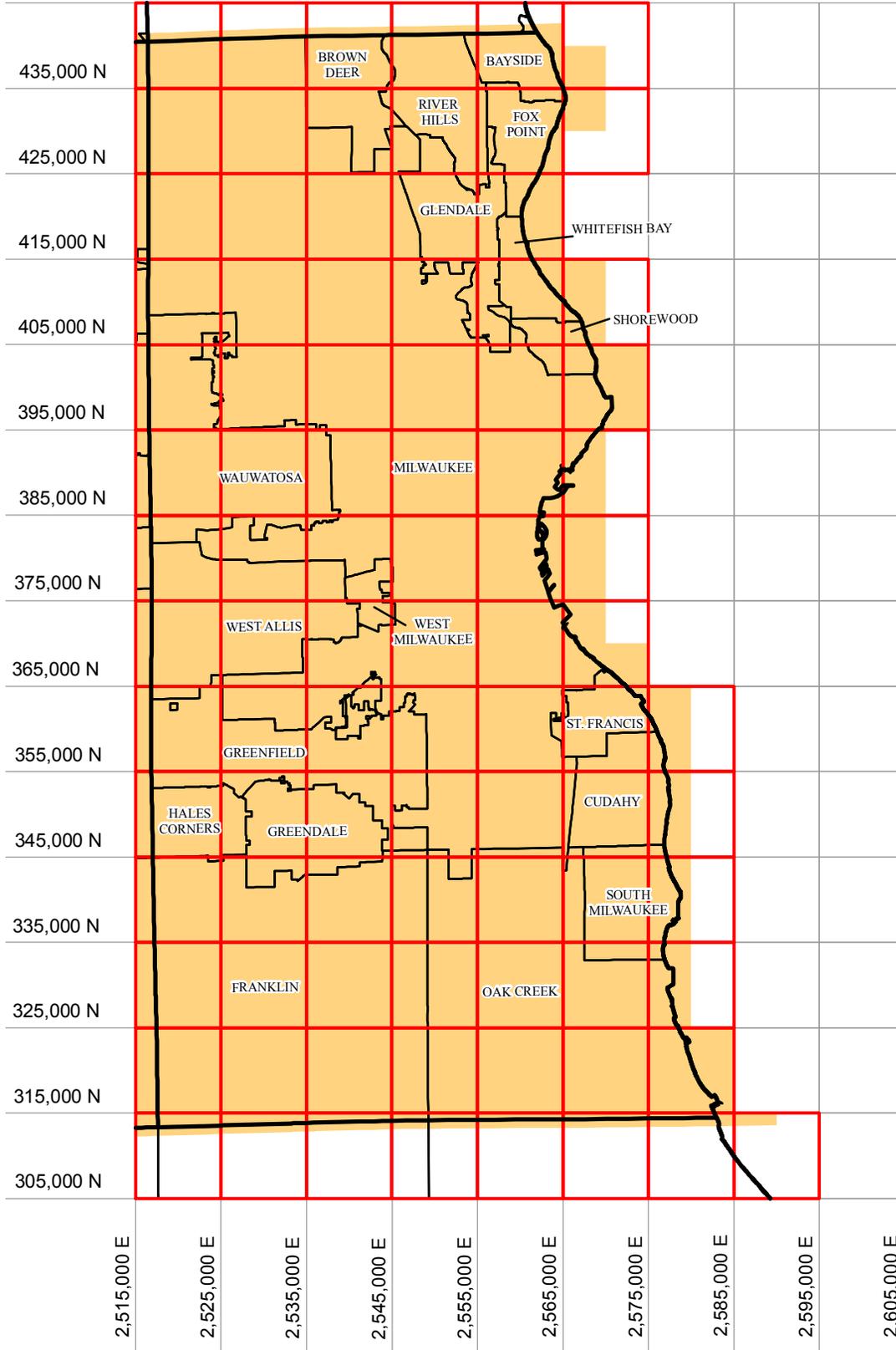
2. Execute Professional Services contract between Milwaukee County and Pictometry International Corporation
3. Schedule acquisitions based on ground conditions
4. Schedule and deploy deliverables
5. Schedule the 1st meeting of the TAC

Attach: Milwaukee County 6" footprint exhibit

* * * * *

Exhibit A

2010 Six-Inch Milwaukee County Orthophotography Project Area



-  Area Where 6-Inch Pixel Resolution Color Orthophotography Will Be Prepared (approximately 275 square miles)
-  10,000 x 10,000 Foot Tile Boundaries (90 tiles)



DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS MILWAUKEE COUNTY LAND INFORMATION OFFICE

2711 West Wells Street, Rm 426, Milwaukee, WI 53208 (414) 278-2176

TO: MCAMLIS Steering Committee
FROM: William C. Shaw, MCAMLIS Project Manager
DATE: March 10, 2010
SUBJECT: COMMUNITY DEVELOPMENT BLOCK GRANT - EMERGENCY ASSISTANCE PROGRAM (CDBG-EAP) GRANT REQUEST TO OBTAIN LiDAR IMAGE DATA

BACKGROUND

Federal monies were made available under the Wisconsin Small Cities Community Development Block Grant-Emergency Assistance Program, administered by the State of Wisconsin, Department of Commerce, Bureau of Community Finance, for the purpose of disaster recovery. These funds were specifically being made available to the 31 counties in Wisconsin that were made eligible for disaster relief due to the flooding event that occurred between June 5th and July 25th, 2008.

Milwaukee County did not participate in earlier supplemental relief programs related to this flood event, although three communities within Milwaukee County did participate; the Cities of Milwaukee, Wauwatosa and West Allis. The current program extends to counties included in the declared flood disaster areas for acquisition of LiDAR data to be used to assist in the generation of FEMA certified "Accuracy Assessment Report" products.

GRANT REQUIREMENTS

The MCAMLIS Steering Committee at its meeting held December 8th, 2009 approved a staff recommendation to allow the MCAMLIS Steering Committee to oversee a CDBG-EAP grant application that was submitted to the Wisconsin State Department of Commerce prior to the 12/4/2009 deadline on behalf of Milwaukee County. In so doing the MCAMLIS Staff formulated an approach that emphasized both the long standing efforts of the MCAMLIS Steering Committee, and the Committee's experiences gained over the many years that it has been involved with/and dedicated to collecting and distributing map information throughout Milwaukee County.

The CDBG-EAP grant award requirements affecting the MCAMLIS Steering Committee are herein listed:

- Milwaukee County must actively pursue citizen participation in the grant process through the development and implementation of a Citizen Participation Plan (CPP);
 - the CPP included as part of the grant application authorizes the MCAMLIS Committee to direct the MCAMLIS Project Manager to formulate the creation of the Citizen Participation Committee;

- o the MCAMLIS Project Manager, guided by the MCAMLIS Steering Committee acts to nominate members to the Citizen Participation Committee;
- o the Citizen Participation Committee conducts any required public hearings; and
- o the Milwaukee County Board at its March 2010 meeting adopts the CPP.

ACTIVITIES THIS PERIOD – 12/09 – 3/10

1. the MCAMLIS Steering Committee directed the MCAMLIS Project Manager to continue to work with local communities and other organizations e.g., MMSD, We Energies to obtain their requirements and commitment related to the acquisition of LiDAR products including topographic data suitable for the production of contour elevations and;
2. the MCAMLIS Steering Committee approved the CDBG – EAP Grant Application Citizen Participation Plan directing the MCAMLIS Project Manager to formulate a Citizen Participation Committee, and to conduct a Public Hearing regarding the Milwaukee County CDBG-EAP Grant Application and;
3. the MCAMLIS Project Manager subsequently solicited formal competitive vendor response following specific procurement policies required to obtain LiDAR professional services for the county and;
4. the Milwaukee County Board Chairman Lee Holloway, submitted an application to the Wisconsin State Department of Commerce for a \$94,360 CDBG-EAP Grant to be utilized in the collection of LiDAR data and;
5. Milwaukee County was subsequently granted a \$94,360 CDBG-EAP Grant Award contingent on the Milwaukee County Board approval in March.

NEXT

1. the MCAMLIS Project Manager will complete specific procurement policies required to obtain LiDAR professional services for the county and;
2. the MCAMLIS Project Manager will formulate and schedule a LiDAR acquisition plan with the select vendor and;
3. the MCAMLIS Project Manager will solicit additional formal competitive vendor response following specific procurement policies required to obtain LiDAR derived reports and products via professional services for the county once the LiDAR data is available and;
4. the MCAMLIS Project Manager will complete the LiDAR acquisition process.

Attach: none



**DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS
MILWAUKEE COUNTY LAND INFORMATION OFFICE**

2711 West Wells Street, Rm 426, Milwaukee, WI 53208 (414) 278-2176

MEMORANDUM

TO: Gary Drent
FROM: William C. Shaw, MCAMLIS Project Manager
DATE: December 7, 2009
SUBJECT: MCAMLIS Accomplishments

FEBRUARY

- On-site Pictometry training: Cities of Franklin, Cudahy, and Wauwatosa
 - Integration of City of Milwaukee and MCAMLIS cadastral data

MARCH

- Deployment of the *Interactive Mapping Service* website
- Debut of the Milwaukee County Land Information Office / Interactive Mapping homepage
- Completion of the 2010 Census *Participant Statistical Area Program* (PSAP)

APRIL

- GIS Open House attended by 60+
- North Shore Fire Department Address Atlas / Street Guide
- LiDAR pilot project

JUNE

Added Pictometry oblique imagery to the *Interactive Mapping Service*

AUGUST

- Assessment of LiDAR data as a source of planimetric data
- Completion of MCAMLIS street centerline geometry and address location improvement

SEPTEMBER

Assessment of LiDAR data as a source of topographic data

OCTOBER

Online public access to plats of survey via the *Interactive Mapping Service*

NOVEMBER

- MAPWA Presentation
- Online public access to certified survey maps via the *Interactive Mapping Service*
- Completion of Milwaukee street centerline geometry improvement

- Completion of the 2010 Census *LUCA (Local Update of Census Addresses)* Program
- UWM GIS Day presentation

DECEMBER

CDBG grant application for LiDAR data for purposes of floodplain mapping improvements

* * * * *

MCAMLIS

Digital Data Requests

Licensee *Date of Request* *Product Requested*

2009

Commercial Development **Commercial Engineering, Construction, Architectural firms**

BT2 Inc.

MCAMLIS Topo 082106 .dwg 5/21/2009 TOPO

CH2M Hill

2 Foot Contours Shapefile for selected area 1/29/2009 TOPO
 2 Foot Contours Geodatabase for selected area 2/3/2009 TOPO
 Cadastral Data for selected area in Wauwatosa 2/9/2009 Cadastral

Gilbane Building Company

MCAMLIS Topo/Planimetric CDB east of the I43 8/3/2009 TOPO

Graef, Anhalt, Schloemer and Associates, Inc.

MCAMLIS Topographic 0821012&3, 0821021&2 1/21/2009 TOPO
 MCAMLIS Topographic 0722042, 0722043 6/30/2009 TOPO
 MCAMLIS Topographic 0721342 & 0721331 9/14/2009 TOPO

Hammel, Green and Abrahamson, Inc.

Topographic Data - quarter sections 285 and 309 8/14/2009 TOPO

Mead & Hunt, Inc.

Topo - AutoCad Contours/Trans 3/25/2009 TOPO

Metropolitan Survey Service, Inc.

Cadastral & Topo Data NE 1/4 section 12 Township 5 North, Range 21 East 1/15/2009 TOPO
 Cadastral & Topo Data NE 1/4 section 12 Township 5 North, Range 21 East 1/15/2009 Cadastral
 Topographic Data NW 1/4 section 21 Township 5 North, Range 22 East 6/5/2009 TOPO
 Cadastral Data NW 1/4 section 21 Township 5 North, Range 22 East 6/5/2009 Cadastral
 Cadastral Data NW 1/4 section 21 Township 5 North, Range 22 East 6/5/2009 Cadastral
 Topographic Data NW 1/4 section 4 Township 5 North, Range 21 East 6/29/2009 TOPO
 Cadastral Data NW 1/4 section 4 Township 5 North, Range 21 East 6/29/2009 Cadastral
 Cadastral & TOPO Data NE 1/4 section 33 Township 8 North, Range 22 East 8/31/2009 Cadastral
 Cadastral & TOPO Data NE 1/4 section 33 Township 8 North, Range 22 East 8/31/2009 TOPO
 Topographic Data SE 1/4 section 20 Township 6 North, Range 21 East 9/28/2009 TOPO
 Cadastral Data SE 1/4 section 20 Township 6 North, Range 21 East 9/28/2009 Cadastral

Mi-Tech

MCAMLIS Cadastral 072122_27, .dwg 7/23/2009 Cadastral

NIELSEN MADSEN & BARBER, SC

City of St. Francis Cadastral Data sections 15 & 22 Township 6 North, Range 22 East 9/25/2009 Cadastral

Licensee**Date of Request Product Requested****R.A. Smith National, Inc.**

MCAMLIS Topo section 5, Town 7 North, Range 22 East, .dwg	4/9/2009	TOPO
Topographic data for T6R21S20 SW¼. DWG	9/25/2009	TOPO

Ruekert & Mielke, Inc.

County-wide Street Centerline Data	5/7/2009	Address
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Tran Smart Technologies

MCAMLIS Parcel WIS 100 from S. 27th Street to Howell Ave. in the City of Oak Creek	9/10/2009	Cadastral
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Educational**Universities, School Districts****Elliot Young - University of Oregon Portland Campus**

Topo/Planimetric CBD 3rd Ward - AutoCad	1/28/2009	TOPO
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Emily Pallot - Welsh School of Architecture, Cardiff University Wales

2005 Topo/Planimetric 3rd Ward (revised AOI) - AutoCad	1/5/2009	TOPO
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Matt Tobolski - North Carolina State University

2005 Topo/Planimetric Menomonee River AOI Miller brewery area to Miller park	1/5/2009	TOPO
2005 Digital Ortho MrSID Menomonee River AOI Miller brewery area to Miller park	1/6/2009	Digital Aerial Imagery
2005 Topo/Planimetric Menomonee River AOI Miller brewery area to Miller park	7/27/2009	TOPO
2005 Floodland Menomonee River AOI Miller brewery area to Miller park	7/27/2009	Floodplain/Wetland

Milwaukee Area Technical College

Topo/Planimetric AOI - Milwaukee CBD	1/5/2009	TOPO
Topo/Planimetric AOI - Milwaukee CBD	1/28/2009	TOPO

University of Minnesota - Allan Schraufnagel

Cadastral - AutoCad 062204_05	2/16/2009	Cadastral
TOPO - AutoCad 062204_05	2/16/2009	TOPO

University of Wisconsin-Madison

MMSD Jurisdiction Boundary shapefile	7/15/2009	Administrative Geography
Milwaukee County Parcel Data shapefile	7/17/2009	Cadastral
2004/2005-2009 Milwaukee CountyTopographic & DTM Data	8/7/2009	TOPO
2004/2005-2009 Milwaukee CountyTopographic & DTM Data	8/7/2009	DTM

University of Wisconsin-Milwaukee

0622061MCAMLIS 1993 Topographic/Planimetric .dgn, .dwg	2/27/2009	TOPO
MCAMLIS Topo - Bradford Beach Near Shore	6/23/2009	TOPO
2004/2005-2009 Milwaukee CountyTopographic & DTM Data	8/7/2009	TOPO
2004/2005-2009 Milwaukee CountyTopographic & DTM Data	8/7/2009	DTM

Local Government**Municipality and Regional Government, Fire, Police****City of Cudahy**

MCAMLIS Cudahy Cadastral Data	5/26/2009	Cadastral
MCAMLIS Cudahy Cadastral Data .mdb	6/3/2009	Cadastral
MCAMLIS Cudahy Street Centerline Data	6/11/2009	Address

<i>Licensee</i>	<i>Date of Request</i>	<i>Product Requested</i>
MCAMLIS Cudahy Cadastral Data	6/11/2009	Cadastral
MCAMLIS Cudahy 2007 Ortho Data	6/11/2009	Digital Aerial Imagery
Cudahy Floodplain/Wetland Data	6/11/2009	Floodplain/Wetland
MCAMLIS Cudahy 2005 Topo Data	6/11/2009	TOPO
City of Franklin		
MCAMLIS Topo - Comprehensive Plan	6/17/2009	TOPO
MCAMLIS Cadastral - Comprehensive Plan	6/17/2009	Cadastral
City of Glendale		
2007 Digital Orthographic Image files in MrSID Format	11/19/2009	Digital Aerial Imagery
City of Greenfield		
MCAMLIS topo/planimetric data for quarters 1 & 2 of section 29, T6R21, .dwg format	11/6/2009	TOPO
City of Milwaukee		
Cadastral GeoDatabase Dataset	1/21/2009	Cadastral
Digital Orthographic Image files in MrSID Format	2/20/2009	Digital Aerial Imagery
MCAMLIS Countywide Centerline	3/3/2009	Address
MCAMLIS Countywide Centerline	6/11/2009	Address
2008 NAIP Orthophoto Data	7/21/2009	Digital Aerial Imagery
2008 NAIP Orthophoto Data Reprojected to NAD 27	7/23/2009	Digital Aerial Imagery
MCAMLIS Street Centerline	7/23/2009	Address
2004/2005-2009 Milwaukee CountyTopographic & DTM Data	8/7/2009	DTM
2004/2005-2009 Milwaukee CountyTopographic & DTM Data	8/7/2009	TOPO
City of South Milwaukee		
2005 Topographic/Planimetric .dgn	8/13/2009	TOPO
MCAMLIS Topo data S11 T05W R22E and S35 T06N R22E	9/25/2009	TOPO
City of St. Francis		
St. Francis Cadastral .mdb	8/18/2009	Cadastral
St. Francis Parcel.shp (shape and data)	10/14/2009	Cadastral
St. Francis Streets, ROW, Centerline	10/14/2009	Address
St. Francis Mr SID Aerial Image	10/14/2009	Digital Aerial Imagery
St. Francis Planimetric utilities ,lights, electric, sewer, water	10/14/2009	TOPO
St. Francis Wards/Aldermatic districts	10/14/2009	Administrative Geography
City of Wauwatosa		
Wauwatosa-Parcel Updates	2/3/2009	Cadastral
Wauwatosa-Parcel, AECOM sanitary sewer basin project	2/16/2009	Cadastral
12/31/2008 Historic Cadastral .dwg,	2/20/2009	Cadastral
Tosa 2007 Ortho - sanitary sewer investigation and analysis project	2/23/2009	Digital Aerial Imagery
Tosa Cadastral - sanitary sewer investigation and analysis project	2/23/2009	Cadastral
Tosa Topo and planimetric - sanitary sewer investigation and analysis project	2/23/2009	TOPO
12/31/2008 Cadastral .dwg, .mdb	2/26/2009	Cadastral
Milwaukee County		
MCAMLIS Topo/Planimetric - LiDar Pilot Areas	3/31/2009	TOPO
76th St Paving Project Storm Water Plan	5/6/2009	TOPO
Cadastral Property Line Data .dwg	5/27/2009	Cadastral

<i>Licensee</i>	<i>Date of Request</i>	<i>Product Requested</i>
MCAMLIS Street Centerline CTH S (Mill Road) corridor between 84th and 56th Streets	7/7/2009	Address
MCAMLIS Topo CTH S (Mill Road) corridor between 84th and 56th Streets	7/7/2009	TOPO
2007 Ortho CTH S (Mill Road) corridor between 84th and 56th Streets	7/7/2009	Digital Aerial Imagery
MCAMLIS Parcel CTH S (Mill Road) corridor between 84th and 56th Streets	7/7/2009	Cadastral
MCAMLIS Topo/Planimetric CTH S (Mill Road) corridor between 84th and 56th Streets	7/30/2009	TOPO
2007 Ortho CTH ZZ (W. College Avenue) from W. Loomis (STH 36) east to S. 51st Street	8/9/2009	Digital Aerial Imagery
Stree Centerline Grange, Rawson W. Loomis (STH 36) east to S. 51st Street	8/13/2009	Address
COLLINS ENGINEERS Jackson Park Project Topographic Data	9/25/2009	TOPO
Village of Bayside		
MCAMLIS - Cadastral	3/17/2009	Cadastral
2004/2005 Topographic/Planimetric and DTM Update	3/17/2009	TOPO
Village of Bayside Floodplain	3/17/2009	Floodplain/Wetland
MCAMLIS - Parcel, Building	8/27/2009	Cadastral
MCAMLIS - 2007 Ortho	8/27/2009	Digital Aerial Imagery
MCAMLIS - Political Subdivision	8/27/2009	Administrative Geography
MCAMLIS - Street Centerline, Highways,	8/27/2009	Address
Village of Fox Point		
Topo data w/ surrounding municipalities	2/4/2009	TOPO
AECOM MCAMLIS Cadastral Data Request - Village of Fox Point Limits line	3/2/2009	Cadastral
Earth Tech, Inc. MCAMLIS Municipal Subdivision Boundary - Village of Fox Point	4/7/2009	Cadastral
Topo data w/ surrounding municipalities	4/29/2009	TOPO
AECOM MCAMLIS Cadastral Data Request - Village of Fox Point	10/14/2009	Cadastral
Village of Greendale		
Greendale Topo / Cadastral / Address/ Floodplain Data	1/5/2009	Floodplain/Wetland
Greendale Topo / Cadastral / Address/ Floodplain Data	1/5/2009	TOPO
Greendale Topo / Cadastral / Address/ Floodplain Data	1/5/2009	Cadastral
Greendale Topo / Cadastral / Address/ Floodplain Data	1/5/2009	Address
Greendale Topo / Cadastral / Address/ Aerial Imagery	7/15/2009	TOPO
Greendale Topo / Cadastral / Address/ Aerial Imagery	7/15/2009	Cadastral
Greendale Topo / Cadastral / Address/ Aerial Imagery	7/15/2009	Address
Greendale Topo / Cadastral / Address/ Aerial Imagery	7/15/2009	Digital Aerial Imagery
Village of Hales Corners		
MCAMLIS Parcel Data	9/29/2009	Cadastral
Village of River Hills		
2004/2005 Topographic/Planimetric Update in ESRI Geodatabase format	1/15/2009	TOPO
Village of Shorewood		
Section 10 of T7 north, R 22 east MCAMLIS - Topo/Plamimetric Data Atwater Park	12/14/2009	TOPO
Section 10 of T7 north, R 22 east Ortho MrSID	12/14/2009	Digital Aerial Imagery
Section 10 of T7 north, R 22 east MCAMLIS - Cadastral Data Atwater Park	12/14/2009	Cadastral
Section 3 of T7 north, R 22 east Ortho MrSID	12/15/2009	Digital Aerial Imagery
Section 3 of T7 north, R 22 east MCAMLIS - Cadastral Data Atwater Park	12/15/2009	Cadastral

<i>Licensee</i>	<i>Date of Request</i>	<i>Product Requested</i>
Section 3 of T7 north, R 22 east MCAMLIS - Topo/Planimetric Data Atwater Park	12/15/2009	TOPO
Village of Whitefish Bay		
2008 Pictometry Image Library	3/15/2009	Digital Aerial Imagery
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Non-Profits	Non-Profit organizations, community groups, Regional Development	
Lion of Judah Worship Church		
Cadastral map of the area around 34th St and Capitol Dr. .dwg	6/4/2009	Cadastral
Topo map of the area around 34th St and Capitol Dr. .dwg	6/4/2009	TOPO
Milwaukee Development Corporation		
Milwaukee County Cadastral Data	5/15/2009	Cadastral
River Revitalization Foundation, Inc.		
Milwaukee County Parks	7/28/2009	Administrative Geography
The Trust for Public Land		
Parks Boundary .shp	10/14/2009	Administrative Geography
<hr/>		
Private Citizen	Any private citizen	
Darin J. Frerichs		
Topo/Planimetric .dwg Riverwest at the intersection of Clarke & Weil (Northwest Corner)	2/24/2009	TOPO
Cadastral .dwg Riverwest at the intersection of Clarke & Weil (Northwest Corner)	2/24/2009	Cadastral
<hr/>		
Real Estate	Cemeteries, property management, sales, research	
First American Spatial Solutions		
Milwaukee County Parcel Data	11/4/2009	Cadastral
<hr/>		
Resource Planning	GIS, environmental, legal, land information	
AECOM - Earth Tech, Inc.		
MCAMLIS Topo T8N R22E Section 21	5/13/2009	TOPO
FBS Data Systems		
MCAMLIS Parcel Data	10/21/2009	Cadastral
Land Information Services, Inc.		
SW ¼ Section 28-22-08, Shorewood, Milwaukee County	1/28/2009	TOPO
NE ¼ Section 18-21-07, Wauwatosa, Milwaukee County	2/9/2009	TOPO
SE ¼ Section 4-06-22, NE ¼ Section 9-06-22	2/17/2009	Digital Aerial Imagery
2007 12" Color Orthophotography	2/17/2009	Digital Aerial Imagery

State, Federal Government State or Federal Bureau Departments**Southeastern Wisconsin Regional Planning Commission (SEWRPC)**

2004/2005-2009 Milwaukee County Topographic & DTM Data	8/7/2009	DTM
2004/2005-2009 Milwaukee County Topographic & DTM Data	8/7/2009	TOPO

Wisconsin Department of Military Affairs

MCAMLIS Topo Oak Creek National Guard Armory within a 2 mile radius	10/28/2009	TOPO
MCAMLIS Topo Oak Creek National Guard Armory within a 2 mile radius	10/28/2009	Address
MCAMLIS Parcel Oak Creek National Guard Armory within a 2 mile radius	10/28/2009	Cadastral

Wisconsin Department of Natural Resources

MCAMLIS TOPO data for Havenwoods State Forest	5/1/2009	TOPO
MCAMLIS TOPO data for Havenwoods State Forest, 9.2 GDB Compatible	6/30/2009	TOPO
MCAMLIS Countywide TOPO/Planimetric in geodatabase format	11/19/2009	TOPO

Wisconsin Department of Transportation

Parcel Shapefiles within a 500' radius of I-94 and I-43/894	1/7/2009	Cadastral
Parcel Shapefiles within a 500' radius of STH 119 (Airport)	1/27/2009	Cadastral
Parcel Shapefiles within 100' of Forest Home Ave from 108th to 45th	1/29/2009	Cadastral
Topo/Planimetric data for I94 website background	1/29/2009	TOPO
Floodplain STH 57 -GIS	2/16/2009	Floodplain/Wetland
Floodplain 124th from Grange to Cold Spring -GIS	2/16/2009	Floodplain/Wetland
Cadastral STH 36 -GIS	2/16/2009	Cadastral
Cadastral 124th from Grange to Cold Spring -GIS	2/16/2009	Cadastral
Cadastral STH 57 -GIS	2/16/2009	Cadastral
Floodplain STH 36 -GIS	2/16/2009	Floodplain/Wetland
Parcel Data - WisDOT / DBM / BITS / GeoSpatial Group	5/5/2009	Cadastral
MCAMLIS DTM files for sections 4, 5, 8, 9, and 17 in T5N-R21E	7/13/2009	DTM
MCAMLIS Topographic files for sections 4, 5, 8, 9, and 17 in T5N-R21E	7/13/2009	TOPO

Wisconsin State Fair Park

State Fair Grounds Topo/Planimetric	6/23/2009	TOPO
State Fair Grounds 2007 Ortho	6/23/2009	Digital Aerial Imagery
State Fair Grounds Parcel	6/23/2009	Cadastral
State Fair Grounds Centerline	6/23/2009	Address
State Fair Grounds Floodplain/Wetland	6/23/2009	Floodplain/Wetland
State Fair Grounds 2007 Ortho	8/6/2009	Digital Aerial Imagery

Utility**Electric, Gas, Communication, utility location****American Transmission Company LLC**

MCAMLIS Parcel Data .shp buffered area	4/7/2009	Cadastral
2007 Ortho 0822, 0722	5/6/2009	Digital Aerial Imagery
MCAMLIS Parcel Data .shp buffered area	9/22/2009	Cadastral

Diggers Hotline

MCAMLIS Street Centerline - Diggers Hotline	3/2/2009	Address
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Licensee***Date of Request Product Requested*****Midwest Fiber Networks (Cable Com)**

Milwaukee County Parcel & ROW 8/24/2009 TOPO

Milwaukee Metropolitan Sewerage District

2005 MCAMLIS Countywide DTM (.dgn) 4/7/2009 DTM
2005 MCAMLIS Countywide Topographic (.dgn) 4/7/2009 TOPO
2005 MCAMLIS Countywide DTM (.dgn) 4/7/2009 DTM
We Energies Electric & Gas along College from 27th to the Airport 7/29/2009 Utility and related data
Milwaukee County Parcel Data 10/21/2009 Cadastral
Milwaukee County Storm & Sanitary Sewer Data 11/3/2009 Utility and related data

We Energies

2004/2005-2009 Milwaukee County Topographic & DTM Data 8/7/2009 DTM
2004/2005-2009 Milwaukee County Topographic & DTM Data 8/7/2009 TOPO
MCAMLIS Topo Contours Cudahy, .dwg, .mdb 12/29/2009 TOPO

2010**Commercial Development****Commercial Engineering, Construction, Architectural firms****Frontier GeoTek, Inc**

Milwaukee County Parcel Data	1/29/2010	Cadastral
Milwaukee County Structure Data	1/29/2010	TOPO

Hayes Engineering Company

MCAMLIS Topographic, Cadastral and PLSS Data .dwg - Franklin, WI	2/10/2010	TOPO
MCAMLIS Topographic, Cadastral and PLSS Data .dwg - Franklin, WI	2/10/2010	Cadastral
MCAMLIS Topographic, Cadastral and PLSS Data .dwg - Franklin, WI	2/10/2010	PLSS Corners
MCAMLIS Topographic, Cadastral and PLSS Data .dwg - Franklin, WI	2/26/2010	TOPO
MCAMLIS Topographic, Cadastral and PLSS Data .dwg - Franklin, WI	2/26/2010	Cadastral

Pioneer Engineering & Surveying, LLC

MCAMLIS Topo - Pennsylvania Ave and College Ave .dwg	1/21/2010	TOPO
MCAMLIS Cadastral - Pennsylvania Ave and College Ave .dwg	1/21/2010	TOPO

Educational**Universities, School Districts****University of Wisconsin-Madison**

Milwaukee County Parcel Data	3/8/2010	Cadastral
Milwaukee County Sheriff Sales data	3/8/2010	Administrative Geography

University of Wisconsin-Milwaukee

MCAMLIS Countywide Centerline for student alley project	3/10/2010	Address
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Local Government**Municipality and Regional Government, Fire, Police****City of Greenfield**

MCAMLIS Cadastral (near Layton Ave and 894) for the City of Greenfield	3/10/2010	Cadastral
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City of Milwaukee

MCAMLIS Countywide Cadastral	2/11/2010	Cadastral
MCAMLIS Countywide Street Centerline	2/11/2010	Address
MCAMLIS Countywide Highway Centerline	2/23/2010	Address

City of Wauwatosa

Tosa Topo and planimetric - Hart Park area LOMR	2/1/2010	TOPO
Tosa Floodplain - Hart Park area LOMR	2/1/2010	Floodplain/Wetland

City of West Allis

Draft Floodplain - Honeycreek	2/3/2010	Floodplain/Wetland
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Non-Profits**Non-Profit organizations, community groups, Regional Development****Southeastern WI Common Ground**

Milwaukee County Parcel Data	2/10/2010	Cadastral
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Licensee

Date of Request Product Requested

Resource Planning

GIS, environmental, legal, land information

Seeger Map Company, Inc

MCAMLIS Countywide Centerline

3/9/2010

Address

State, Federal Government

State or Federal Bureau Departments

U.S. Census

MCAMLIS Transportation Clines

1/20/2010

Address

MCAMLIS Transportation Clines

1/20/2010

TOPO

Wisconsin Department of Transportation

Parcel Data - WisDOT / DBM / BITS / GeoSpatial Group

2/17/2010

Cadastral

Utility

Electric, Gas, Communication, utility location

American Transmission Company LLC

Milwaukee County Parcel Data

3/8/2010

Cadastral

EXECUTED LICENSE AGREEMENTS

*Number of
Executed
Agreements*

Licensee

*Effective
Date*

2010

190	Pioneer Engineering & Surveying, LLC	1/21/2010
191	Frontier GeoTek, Inc	1/29/2010
192	Southeastern WI Common Ground	2/10/2010
193	Seeger Map Company, Inc	3/7/2010

2009

179	Milwaukee Area Technical College	1/5/2009
180	Elliot Young - University of Oregon Portland Campus	1/28/2009
181	University of Minnesota - Allan Schraufnagel	2/16/2009
182	Darin J. Frerichs	2/24/2009
183	BT2 Inc.	5/21/2009
184	Lion of Judah Worship Church	6/4/2009
185	Gilbane Building Company	8/3/2009
186	Tran Smart Technologies	9/10/2009
187	NIELSEN MADSEN & BARBER, SC	9/25/2009
188	The Trust for Public Land	10/8/2009
189	Wisconsin Department of Military Affairs	10/27/2009

2008

159	Mead & Hunt, Inc.	1/21/2008
160	Craig Schaefer - Rensselaer Polytechnic Institute	1/30/2008
161	J.D. Knowles and Associates, Inc.	2/8/2008
162	Steve Laine	2/8/2008
163	M Squared Engineering, LLC	2/12/2008
164	Franklin Public Schools	2/26/2008
165	North Shore Engineering, Inc.	3/26/2008
166	Marquette University - Chad Regalia, P.E.	4/22/2008
167	USDA - Racine, Kenosha, Milwaukee County	4/28/2008
168	Waukesha County	5/19/2008
169	First American Spatial Solutions	6/5/2008

*Number of
Executed
Agreements*

Licensee

*Effective
Date*

170	Bayview Bash Association	6/19/2008
171	Group 1 Software, Inc.	6/27/2008
172	River Revitalization Foundation, Inc.	7/3/2008
173	Continental Properties Company, Inc.	7/7/2008
174	Washington County	7/30/2008
175	FBS Data Systems	9/19/2008
176	MapGiving	9/30/2008
177	Emily Pallot - Welsh School of Architecture, Cardiff University Wales	12/4/2008
178	Matt Tobolski - North Carolina State University	12/22/2008

2007

133	Hudson Map Company	1/2/2007
134	Daniel Hesketh	1/10/2007
135	Peter Nagel -University of Cincinnati	1/17/2007
136	Stephanie Valenta	1/30/2007
137	Metropolitan Survey Service, Inc.	2/28/2007
138	Ayres Associates Inc	4/6/2007
148	Wisconsin Great Lakes Coalition	5/3/2007
149	C.O.H.A. International	6/20/2007
150	Aquatic Engineering, Inc.	6/26/2007
151	City of Mequon	7/3/2007
152	Kathryn Lynn - University of Illinois Champaign	7/6/2007
153	RMT, Inc. - Madison	7/11/2007
155	VAST Design Collaborative	9/12/2007
156	Diggers Hotline	9/21/2007
157	Cardinal Stritch University	12/10/2007
158	Gretchen Schuldt	12/28/2007

2006

115	MATC Animation Program	3/14/2006
116	Losik Engineering Design Group	4/3/2006
121	CJ Engineering	5/26/2006

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*Effective
Date*

122	AECOM - Earth Tech, Inc.	5/26/2006
123	Guest House of Milwaukee	6/2/2006
124	Symbiont	6/14/2006
125	Milwaukee Area Domestic Animal Control Commission (MADACC)	6/29/2006
126	Lynn Bichler Architects	8/7/2006
127	Kevin Kolodziej	9/27/2006
128	Adam John Spitz	9/29/2006
129	Midwest Fiber Networks (Cable Com)	10/24/2006
130	Milwaukee Development Corporation	10/24/2006
131	Survey Associates, Inc	11/30/2006

2005

111	Lohmans Golf Design, Inc.	1/31/2005
112	Land Information Services, Inc.	4/1/2005
113	Workshop Architects	4/25/2005
114	Carlan Johnson	5/9/2005
132	American Transmission Company LLC	10/25/2005
140	Urban Open Space Foundation Inc.	7/7/2005
141	U.S. Census	7/12/2005
142	Amcon Design & Construction	9/16/2005
143	Wisconsin Department of Health and Family Services- DCFS	9/23/2005
144	City of Waukesha	10/7/2005
145	Integrated Building Solutions	11/8/2005
146	Michael White	11/14/2005

2004

101	Sigma Group	1/21/2004
102	TN & Associates	2/20/2004
103	Hayes Engineering Company	2/23/2004
104	Geocomm	3/30/2004
105	J. Spear Associates, Inc.	6/16/2004
106	Key engineering Group, Ltd.	7/21/2004

*Number of
Executed
Agreements*

Licensee

*Effective
Date*

107	LandCraft Survey and Engineering, Inc.	8/26/2004
108	The Design Office	10/6/2004
109	Friebert, Finerty & St. John, S.C.	10/26/2004
110	Hiller Consulting, LLC	10/28/2004
139	City of Brookfield	12/21/2004

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MEMORANDUM

TO: MCAMLIS Steering Committee

FROM: Kurt W. Bauer, PE, RLS, AICP
Milwaukee County Surveyor

DATE: March 15, 2010

SUBJECT: **MILWAUKEE COUNTY SURVEYOR ACTIVITIES—2009**

This memorandum is intended to provide the MCAMLIS Steering Committee with a report on the work of the Milwaukee County Surveyor for the calendar year January 1, 2009, through December 31, 2009. The office, and the duties and functions, of the County Surveyor are prescribed by Section 59.45 of the *Wisconsin Statutes*. In Milwaukee County the necessary work, pursuant to the direction of the County Board, is funded by document recording fees retained by the County pursuant to Section 59.43(2) of the *Wisconsin Statutes*. Since the MCAMLIS Steering Committee is charged by contract between Milwaukee County and the public and private utilities operating within the County with administering these retained recording fees, a report to the Committee on the activities of the County Surveyor is in order.

Within Milwaukee County, the U.S. Public Land Survey System has been combined with the State Plane Coordinate System and the National Geodetic Vertical Control System to provide the high order horizontal and vertical control survey network required for the preparation and maintenance of the MCAMLIS large-scale topographic and cadastral maps. Therefore, the work of the Milwaukee County Surveyor entails not only the maintenance of the U.S. Public Land Survey System as such, but also the maintenance of the MCAMLIS horizontal and vertical control survey network. Consequently, the work requires expertise in geodetic, as well as plane, surveying and in the legal aspects of property boundary determination.

Attachment I to this memorandum consists of a map of Milwaukee County on which are shown the location of all of the corners of the U.S. Public Land Survey System within Milwaukee County for which various types of perpetuation activities were undertaken in calendar year 2009. These activities involved the replacement of section, quarter section, center of section, and witness and meander corners which were reported as damaged, disturbed, destroyed, or proposed to be destroyed, by construction, or other activities or actions. The work involved the setting of new monuments, and, as necessary, the replacement of attendant witness marks and benchmarks. New records of U.S. Public Land Survey control station records -- dossier sheets -- were prepared for each corner concerned. The work also involved the completion of 9.5 miles of high order differential level lines as required to maintain the vertical control network. The leveling work involved the reestablishment of six benchmarks, and the establishment of 11 new benchmarks. A record of vertical control station form was completed for each of the benchmarks concerned.

It should be noted that, in accordance with Milwaukee County policies relative to the participation and use of disadvantaged business enterprises in the provision of County services, a contract was entered into with the firm of Dakota Intertek Corporation of Milwaukee, Wisconsin -- a minority owned firm -- to provide assistance to the County Surveyor pertaining to the maintenance of the U. S. Public Land Survey System. More specifically, the contract provided for assistance in the remonumentation of broken or substandard concrete monuments marking the location of corners pertaining to the system. The contract specified 10 such monument locations where the contractor was instructed by the County Surveyor as to what type of work was to be performed and the specifications that were to be followed. After completion of such work, the County Surveyor performed an inspection of the monument installations, all of which were found to be in compliance with the specifications governing the work. Payment was made to the contractor in the amount of \$15,700.00 on September 18, 2009. This amount constituted 20 percent of the total cost of the County Surveyor services, thus exceeding the goal established by Milwaukee County for the participation of a disadvantaged business enterprise in this regard.

A copy of one of the new dossier sheets for the U.S. Public Land Survey corners, and one copy of one of the new record of vertical control station forms are provided in Attachments 2 and 3 to this memorandum as examples of the completed record forms. As indicated on Attachment 1, a total of 34 U.S. Public Land Survey corners were involved in the perpetuation activity for the calendar year. In some cases, the perpetuation activity resulted in the determination of revised elevations for both the corners and the attendant benchmarks. In such cases, control survey summary diagrams were updated to reflect these changes. A total of 25 diagrams required changes. A copy of one of the revised diagrams concerned is herewith provided as Attachment 4, also as an example of a completed sheet.¹

Pursuant to State Statutes, Registered Land Surveyors must provide to the County Surveyor for filing copies of all plats of surveys other than land subdivision plats and certified survey maps prepared for surveys conducted within the County. Through December 31, 2009, the County Surveyor received, indexed, and filed 902 copies of new land surveys completed within the County. In addition, the Commission completed a project incorporating into the filing system historic plats of surveys acquired from a now defunct land surveying firm, totaling literally thousands of plats, bringing the total number of records of land surveys completed within the County, which have been filed with the County Surveyor since the inception of this work in 1984, to 72,472. The filed records are indexed to permit retrieval by name of the surveyor concerned, the property owner concerned, the address of the property concerned, if shown on the plat, the date of the survey plat, the civil division, and the U.S. Public Land Survey Township and Range, and Section and one-quarter section within which the plat is located.

Also in 2009, the County Surveyor assisted MCAMLIS staff in the initiation and completion of a program to produce digital scans of the hardcopies of the 72,472 plats of survey that have been filed with the County Surveyor as of December 31, 2009. The purpose and intent of this project was to create a single digital database from the separate databases maintained by the office of the County Surveyor and MCAMLIS, and to allow the digital images of the plats of survey to be accessed by the public through the MCAMLIS portion of the Milwaukee County website. The work involved coordination of plat of survey file management with a disadvantaged business enterprise located in Milwaukee County under contract to MCAMLIS.

¹ Copies of all 34 dossier sheets and all 25 modified control summary diagrams have been provided with a copy of this memorandum to: 1) William C. Shaw, GIS Supervisor and MCAMLIS Project Manager; 2) Marcia G. Cornell, Manager Central Drafting and Records, City of Milwaukee; 3) Gregory G. High, Director, Architectural, Engineering and Environmental Services, Milwaukee County; 4) Daniel R. Talarczyk, Survey Services Supervisor, Milwaukee Metropolitan Sewerage District; and 5) Andrea Urbaniak, Engineering Technician IV, City of Milwaukee.

The County Surveyor also assists MCAMLIS in the preparation of contracts and specifications for large-scale topographic and cadastral mapping and for special projects, such as the mapping of hazards to air navigation in the vicinity of General Mitchell International Airport. During 2007, the County Surveyor performed quality control for the large-scale topographic mapping prepared by a photogrammetric mapping firm under the now completed MCAMLIS project for replacement of large-scale digital topographic mapping for the entirety of Milwaukee County. This work involved office review and editing of approximately 137.3 square miles of the topographic maps nominally comprising Townships 5 and 6 North, Ranges 21 and 22 East. Following this office review and editing, the maps were field checked for compliance with the accuracy specifications governing the mapping work. Profiles were taken over a selected sample of map sheets, and the field data compared to the horizontal and vertical position of contour lines and other salient features shown on the maps. The comparison indicated that the maps were indeed prepared in accordance with the specifications governing the project, specifically those requiring compliance with National Map Accuracy Standards. During 2009, the County Surveyor performed quality control for the remaining approximately 2.5 square miles of large-scale topographic mapping comprising the area surrounding and including the Marquette Interchange and the westerly extension of Canal Street in the Menomonee Valley. Following completion of this work and the delivery of the digital large-scale topographic mapping files to MCAMLIS, the remapping project for the entirety of Milwaukee County, which began in 2005, has come to a conclusion.

* * *

KWB/lgh
#150168 v1 – MKE CO. SURVEYOR ACTIVITIES 2009

Attachments

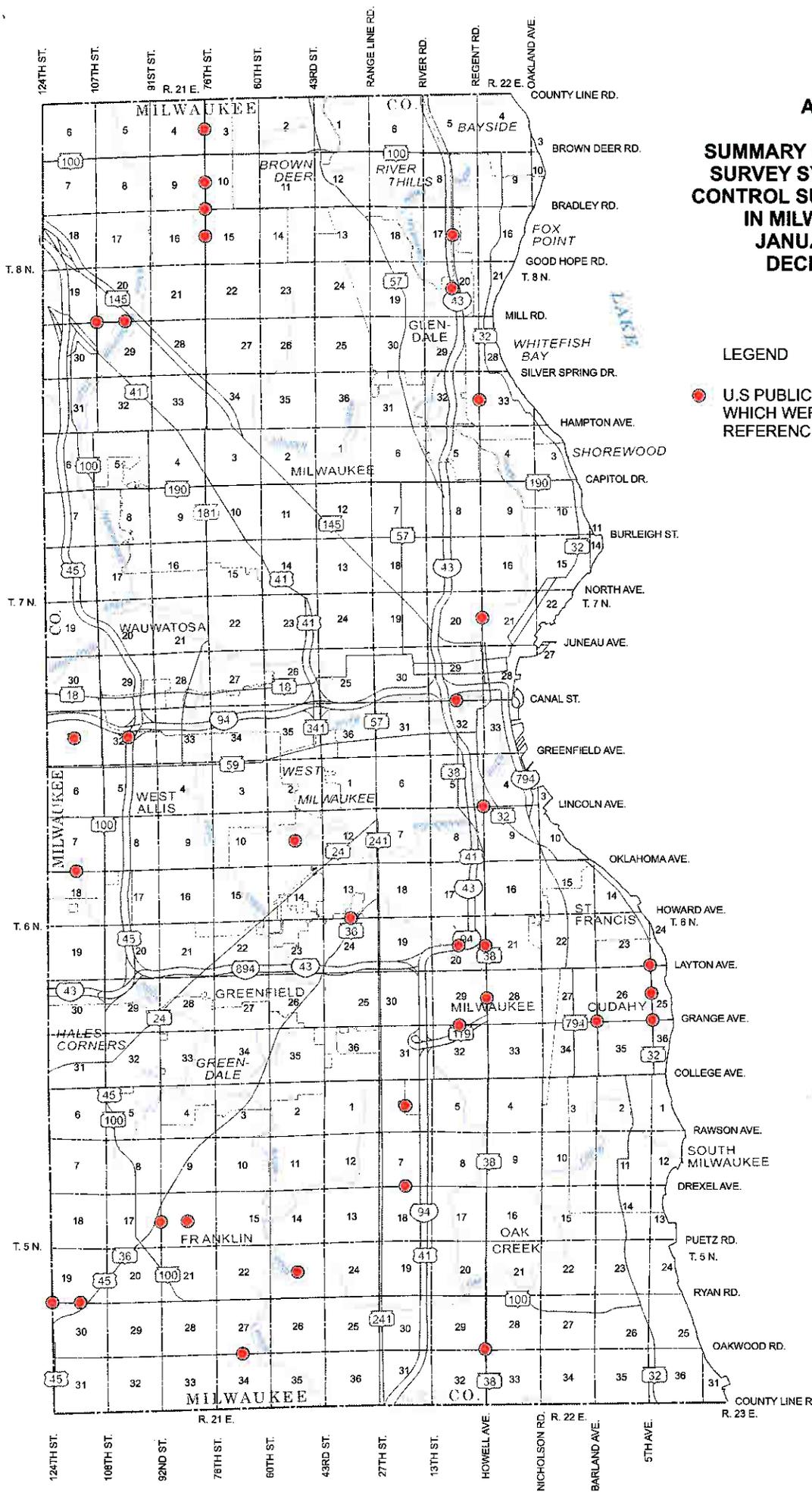
cc: Donald P. Simon

Attachment 1

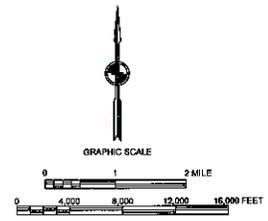
SUMMARY OF U.S. PUBLIC LAND SURVEY SYSTEM CORNER AND CONTROL SURVEY PERPETUATION IN MILWAUKEE COUNTY: JANUARY 1 THROUGH DECEMBER 31, 2009

LEGEND

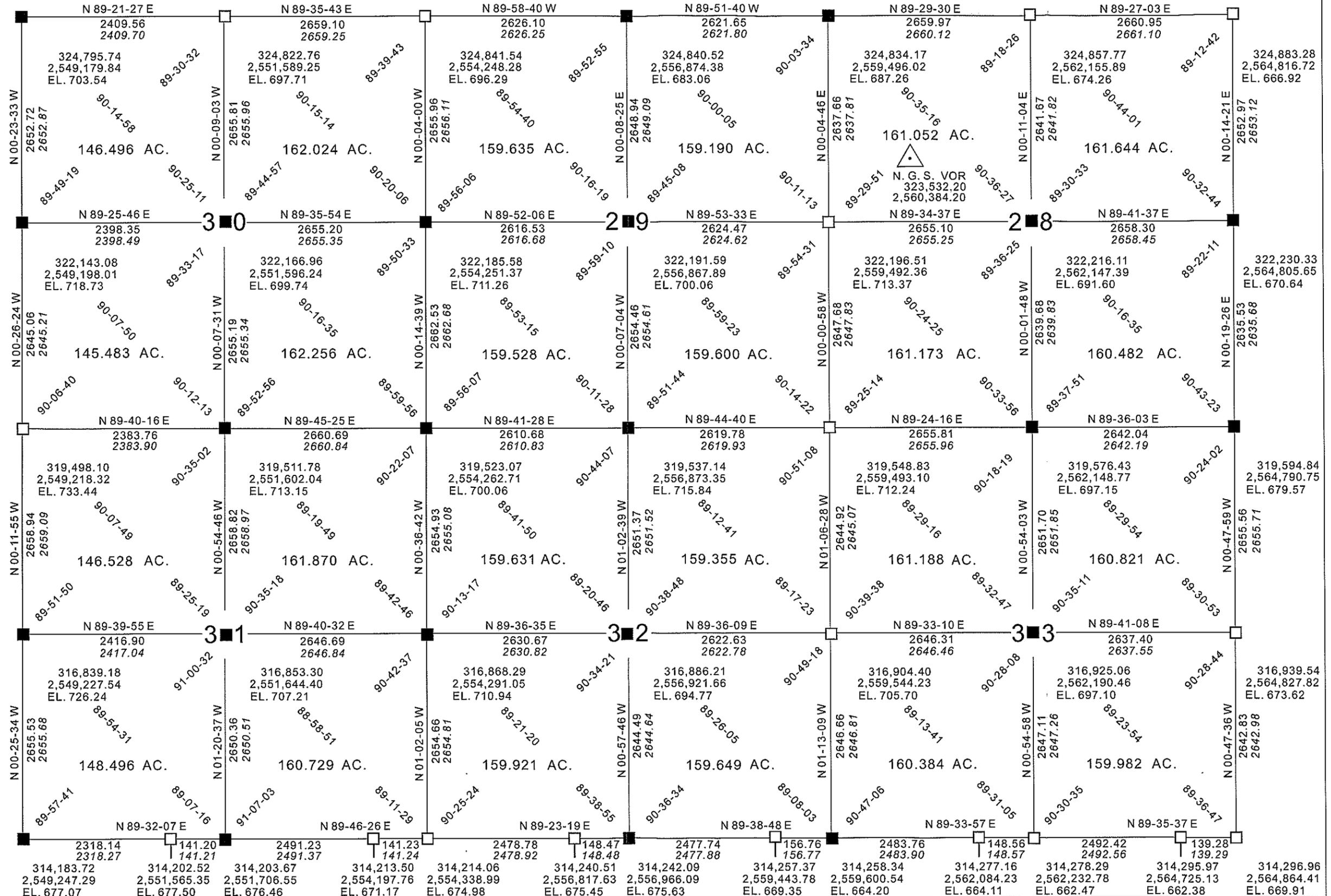
- U.S. PUBLIC LAND SURVEY CORNERS WHICH WERE REMONUMENTED AND/OR REFERENCED IN 2009 (34)



MICHIGAN



Source: SEWRPC.



LEGEND

- U.S. PUBLIC LAND SURVEY CORNER, MARKED BY 6" x 6" x 36" CONC. MONUMENT WITH SEWRPC BRASS CAP.
- U.S. PUBLIC LAND SURVEY CORNER, MARKED BY 6" x 6" x 36" CONC. MONUMENT WITH BRASS CAP.
- U.S. PUBLIC LAND SURVEY CORNER, MARKED BY OTHER MONUMENTATION.
- △ N.G.S. HORIZONTAL CONTROL STATION.

HORIZONTAL DATUM IS BASED ON THE WISCONSIN STATE PLANE COORDINATE SYSTEM GRID, SOUTH ZONE (NAD-27), AND ALL BEARINGS ARE REFERRED TO GRID NORTH.

COMBINATION SCALE AND SEA LEVEL REDUCTION FACTOR: 0.99994301
DIMENSIONS SHOWN IN ITALICS INDICATE GROUND LEVEL DISTANCES.

VERTICAL DATUM IS BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929.
SUBTRACT 580.80 TO PLACE ELEVATIONS ON CITY OF MILWAUKEE DATUM.

CONTROL SURVEY SUMMARY DIAGRAM
FOR
SECTION SURVEYS
IN THE
CITY OF OAK CREEK
MILWAUKEE COUNTY, WISCONSIN

DRAWN BY: C. A. SYRRAKOS	DATE: MAR., 1994
CHECKED BY: L. H. KREBLIN	DATE: MAR., 1994
APPROVED BY: <i>[Signature]</i>	DATE: MAR., 1994
REVISED: D. P. SIMON	DATE: AUG., 2009
REVISED: N. A. NEJEDLO	DATE: FEB., 2008

DOSSIER SHEETS CONTAINING ALL INFORMATION NECESSARY FOR RECOVERY AND USE OF CONTROL SURVEY STATIONS AVAILABLE FROM SEWRPC.

SECTIONS
30, 29, 28,
31, 32, 33
T. 5 N. R. 22 E.
MILWAUKEE COUNTY

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MEMORANDUM

TO: MCAMLIS Steering Committee

FROM: SEWRPC Staff

DATE: March 1, 2010

SUBJECT: STATUS REPORT NO. 15 ON REGIONAL WATER SUPPLY PLAN

This memorandum sets forth the progress made on the regional water supply planning program from July 13, 2009, the date of the last report to the Steering Committee, through March 1, 2010. The preparation of the regional water supply plan represents the third, and final, element of the SEWRPC regional water supply planning program. The first two elements, comprising the development of basic groundwater inventories and the development of a groundwater simulation model for the Southeastern Wisconsin Region, were completed by 2005. These first two elements involved interagency partnership programs with the U.S. Geological Survey, the Wisconsin Geological and Natural History Survey, the University of Wisconsin-Milwaukee, the Wisconsin Department of Natural Resources, and many of the water supply utilities serving the Region. The third, and final, step in the planning program, the preparation of the water supply plan, was initiated in 2005. In addition, the 2035 regional land use plan has been completed. That land use plan was separately funded and serves as the basis for the development of the regional water supply plan.

Progress on the water supply plan during the reporting period has been focused on the continuation and documentation of special groundwater analyses, carrying out the public outreach activities on the preliminary recommended water supply plan, and initiating and providing support for a socioeconomic analysis of the preliminary recommended regional water supply plan.

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

STUDY ORGANIZATION

As previously reported, a cooperative staffing arrangement is being used, involving the Southeastern Wisconsin Regional Planning Commission (SEWRPC) staff, consulting engineering and legal firms, and the groundwater technical staffs of the Wisconsin Geological and Natural History Survey (WGNHS), the U.S. Geological Survey (USGS), and the University of Wisconsin-Milwaukee. The contractual arrangements were previously completed through agreements with groundwater technical staffs of the State and Federal agencies concerned, with a consulting engineering firm for carrying out portions of the work, and with a legal firm for a review of water supply laws. During this reporting period, the

administrative direction and internal project management of the planning program was continued. In addition, a consultant selection process was conducted and contractual arrangements were completed for a consultant to carry out a socioeconomic analysis of the preliminary recommended regional water supply plan.

ADVISORY COMMITTEE

On October 6, 2009, the Committee approved SEWRPC Technical Report No. 46, *Groundwater Budget Indices and Their Use in Assessing Water Supply Plans for Southeastern Wisconsin*.

PLAN REPORT PREPARATION

Nine of the 12 chapters of the planning report have now been finalized. In addition, a portion of 10th chapter has been completed which sets forth the comments received during the public outreach activities on the preliminary recommended plan and the response to those comments. SEWRPC Technical Report No. 43, *State-of-the-Art of Water Supply Practices*, SEWRPC Technical Report No. 44, *Water Supply Law*, and SEWRPC Technical Report No. 47, *Groundwater Recharge in Southeastern Wisconsin Estimated By a GIS-Based Water-Balance Model* have been completed and published.

GROUNDWATER ANALYSES ACTIVITIES

Work was completed on a technical report which is intended to provide information on groundwater sustainability in areas served by individual private wells and on a technical report describing groundwater indices and their use in evaluating alternative water supply plans. These two technical reports are in the publication process.

SOCIOECONOMIC ANALYSIS

In 2007, the Regional Planning Commission created an Environmental Justice Task Force to assist in involving the minority and low-income communities in its planning process. The Committee requested that a socioeconomic analysis be conducted on the preliminary recommended regional water supply plan. In response to a request for proposals, four consultant teams submitted proposals to carry out the requested socioeconomic analysis. A consultant selection committee was formed and determined to select two of the consultant teams for personal interview, after which the selection committee recommended selection of the University of Wisconsin Center for Economic Development to carry out the desired analysis. A final study design was developed by the Commission staff and the consultant. The work on the socioeconomic analysis is currently about 60 percent completed and is scheduled for completion in April 2010. No MCAMLIS funding is involved in the preparation of the socioeconomic analysis. The completion of the regional water supply plan is being held in abeyance pending completion of the socioeconomic analysis.

OTHER ACTIVITIES

The Commission water supply planning website has been maintained. The Advisory Committee meeting minutes and report chapters are being placed on that site. The site also includes related presentations, reports, and other pertinent information.

* * *

Exhibit 1

STATUS OF REGIONAL WATER SUPPLY PLAN: MARCH 1, 2010

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

#150259 v1 - MCAMLIS RWSP STATUS REPORT NO. 15
 KWB/RPB/pk
 03/01/10

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MEMORANDUM

TO: MCAMLIS Steering Committee

FROM: SEWRPC Staff

DATE: March 1, 2010

**SUBJECT: STATUS REPORT ON THE MILWAUKEE COUNTY
FLOODLAND MAPPING PROJECT**

This memorandum sets forth the progress made on the Milwaukee County Floodland Mapping project from July 1, 2009, through February 28, 2010. This status report addresses project progress in the following three major areas:

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

Progress is summarized in the attached Exhibit 1 and is graphically summarized on the map attached hereto as Exhibit 2.

DATA ACQUISITION

During the period from July 1, 2010 through February 28, 2010, the following data acquisition activities were carried out:

- As indicated by Exhibit 1, data acquisition activities are substantially completed for all study areas, except the Root River watershed.
- The Commission staff conducted a field reconnaissance along Honey Creek.
- The commission staff obtained bridge plans from the Wisconsin Department of Transportation for several bridges along the mainstem of the Menomonee River.
- When additional data needs are identified as work proceeds, the acquisition of the data will be coordinated with the Milwaukee Metropolitan Sewerage District (MMSD), the Wisconsin Department of Natural Resources (WDNR), the Wisconsin Department of Transportation (WisDOT), and the counties and municipalities concerned.

HYDROLOGIC AND HYDRAULIC MODELING

During the reporting period, progress on hydrologic and hydraulic modeling included the following:

Kinnickinnic River Watershed

- Continued work on refining the hydrologic and hydraulic models for the S. 43rd Street Ditch.

Menomonee River Watershed

- Completed work on the hydraulic models for Honey Creek and Woods Creek.
- Continued work on the refinement of the hydraulic model for the Little Menomonee River.

FLOODLAND MAP PREPARATION

Kinnickinnic River Watershed

- Delineated and digitized final 10-, 50-, 100-, and 500-year floodplain boundaries, and the 100-year floodway boundary, along Lyons Park Creek.

Menomonee River Watershed

- Delineated and digitized final 10-, 50-, 100-, and 500-year floodplain boundaries and the 100-year floodway boundary along both Honey Creek and Woods Creek.

Milwaukee River Watershed

- Delineated and digitized final 10-, 50-, 100-, and 500-year floodplain boundaries and the 100-year floodway boundary along Brown Deer Park Creek.

PROPOSED SCHEDULE FOR COMPLETION OF PROJECT

The maximum possible level of SEWRPC staff resources is now committed to this project, with three engineers devoting substantial time to this project on a continuing basis. The project is scheduled to be completed by December 31, 2011.

* * *

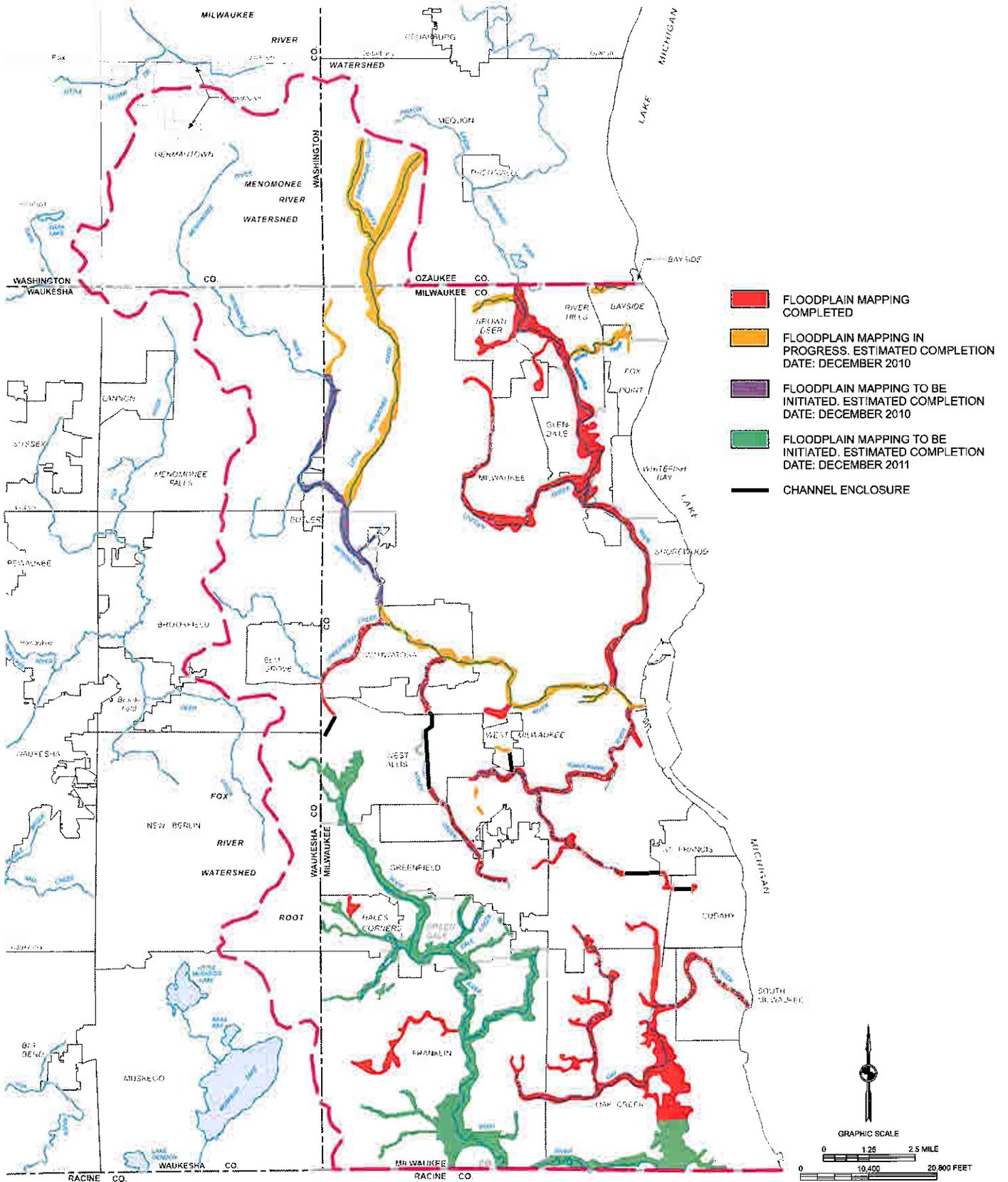
Exhibit 1

STATUS OF MCAMLIS MILWAUKEE COUNTY FLOODLAND MAPPING PROJECT: February 28, 2010

Major Area	Data Acquisition (percent complete)	Hydrologic and Hydraulic Modeling (percent complete)	Floodland Map Preparation (percent complete)
Kinnickinnic River Watershed	100	100	85
Lake Michigan Direct Drainage Area – Fish Creek	100	100	80
Menomonee River Watershed	100	100	75
Milwaukee River Watershed	100	100	95
Oak Creek Watershed	100	100	100
Legend Creek (Root River Watershed)	100	100	100
Lake Michigan Coastal Flooding Areas	100	NA	40
Root River Watershed	100	NA	10

Exhibit 2

STATUS OF FLOODPLAIN MAPPING IN MILWAUKEE COUNTY: FEBRUARY 28, 2010



Source: SEWRPC.



2009 SENATE BILL 507

February 2, 2010 – Introduced by Senators ERPENBACH, LEHMAN, HANSEN, KREITLOW, VINEHOUT, RISSER and TAYLOR, cosponsored by Representatives SOLETSKI, HEBL, POPE-ROBERTS, SMITH, LOTHIAN, TOWNSEND, VRUWINK, DEXTER, VOS, RADCLIFFE and VAN ROY. Referred to Committee on Ethics Reform and Government Operations.

1 **AN ACT** *to renumber and amend* 59.72 (4); *to amend* 16.967 (7) (a) (intro.),
2 59.43 (2) (ag) 1., 59.43 (2) (e), 59.43 (2) (i), 59.72 (3) (b), 59.72 (5) (a), 59.72 (5)
3 (b) (intro.) and 59.72 (5) (b) 3.; and *to create* 16.967 (3) (f), 16.967 (3) (g), 16.967
4 (7m), 59.43 (2) (L), 59.43 (4) (c), 59.43 (4) (d), 59.72 (2), 59.72 (3m), 59.72 (4) (b),
5 59.72 (5) (b) 1m. and 59.72 (6) of the statutes; **relating to:** changing the fees
6 collected by a register of deeds, the redaction of social security numbers from
7 electronic documents, and changes to the land information program.

Analysis by the Legislative Reference Bureau

Under current law, the Department of Administration (DOA) directs and supervises the land information program and serves as a state clearinghouse for access to land information. Under the land information program, DOA provides technical assistance to state agencies and local governmental units with land information responsibilities, reviews and approves county plans for land records modernization, and provides aids to counties, derived from recording fee revenues collected by counties, for land records modernization projects.

Also under current law, a county board may establish a land information office or direct that the functions and duties of the office be performed by an existing county office. If a land information office is established, it is required to coordinate land information projects between different units and levels of government and between

SENATE BILL 507

the government and the private sector, develop and receive approval for a countywide plan for land records modernization, and review and recommend projects from local governmental units for grants from DOA.

Also under current law, counties collect a fee for recording and filing most instruments that are recorded or filed with a register of deeds. The fee is \$11 for the first page of an instrument and \$2 for each additional page. Counties must remit \$7 of each \$11 collected for recording or filing the first page of each instrument to DOA, which DOA uses the revenues to make grants to counties for land records modernization projects (modernization grants). However, if a county has established a land information office, receives approval from DOA for its land records modernization plan, and uses the money for certain specified purposes related to land records modernization, the county may retain \$5 of each \$7 fee that would otherwise be payable to DOA. Counties also collect a \$25 fee for recording certain probate certificates and for preparing and mailing certain probate documents.

Under this bill, counties collect a \$25 fee, regardless of the number of pages of the instrument, for recording or filing most instruments that are recorded or filed with a register of deeds. Counties must remit \$10 of each fee to DOA, which DOA uses to make modernization grants. If a county has, in addition to the three requirements under current law for retaining DOA fees, established a land information council, the county may retain \$8 of each \$10 fee that would otherwise be payable to DOA. Also under this bill, counties may temporarily collect a \$30 fee for recording or filing these instruments or for recording certain probate certificates or preparing and mailing certain probate documents if the county uses \$5 of each fee for purposes of redacting social security numbers from certain electronic format records. The \$30 fee reverts to a \$25 fee upon the earliest of the following: 1) completion of redaction of social security numbers from certain electronic format records; 2) January 1, 2012, unless an extension of time is granted by DOA; or 3) January 1, 2015.

Also under this bill, when the register of deeds transfers instruments filed with or recorded by the register of deeds before April 1, 2006, to an electronic format, he or she is required to make a reasonable effort to redact social security numbers from the instrument's electronic format.

Also under this bill, if a county retains fees otherwise payable to DOA or receives a grant from DOA under the land information program, the county must submit a report to DOA describing the expenditure of those funds. These funds must be used to design, develop, and implement a land information system and to make the system accessible on the Internet before being used for any other purpose and thereafter for purposes related to land records modernization. If DOA determines that these funds have been used for unauthorized purposes, DOA may suspend the eligibility of the county for further grants or retained fees.

Also under this bill, a county board that has created a land information office must create a land information council consisting of no less than seven members. The council reviews the priorities, needs, policies, and expenditures of the land information office and advises the county on matters affecting the land information office. Also, if a county employs countywide property assessment or maintains land

SENATE BILL 507

records that identify the zoning classification of individual parcels, the county board must post on the Internet land records that identify the zoning classification of individual parcels.

For further information see the *state and local* fiscal estimate, which will be printed as an appendix to this bill.

The people of the state of Wisconsin, represented in senate and assembly, do enact as follows:

1 **SECTION 1.** 16.967 (3) (f) of the statutes is created to read:

2 16.967 (3) (f) Review reports received under s. 59.72 (2) (b) and determine
3 whether county expenditures of funds received under sub. (7) and s. 59.72 (5) (b) have
4 been made for authorized purposes.

5 **SECTION 2.** 16.967 (3) (g) of the statutes is created to read:

6 16.967 (3) (g) Post reports received under s. 59.72 (2) (b) on the Internet.

7 **SECTION 3.** 16.967 (7) (a) (intro.) of the statutes is amended to read:

8 16.967 (7) (a) (intro.) A county board that has established a county land
9 information office under s. 59.72 (3) may apply to the department on behalf of any
10 local governmental unit, as defined in s. 59.72 (1) (c), located wholly or partially
11 within the county for a grant for any of the following projects, except that a county
12 shall complete the project under subd. 1. and make the land information system
13 accessible on the Internet before the county may expend any grant moneys under this
14 paragraph for any other purpose:

15 **SECTION 4.** 16.967 (7m) of the statutes is created to read:

16 16.967 (7m) **SUSPENSION OF AID.** If the department determines that grants
17 under sub. (7) or retained fees under s. 59.72 (5) (b) have been used for unauthorized
18 purposes, the department shall notify the county or local governmental unit of the
19 determination. The notice shall include a listing of unauthorized expenditures. The

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1 county or local governmental unit shall have not less than 30 days to contest the
2 determination or resolve the unauthorized expenditures. If the unauthorized
3 expenditures are not resolved in a manner acceptable to the department, the
4 department may suspend the eligibility of the county or local governmental unit that
5 made unauthorized expenditures to receive further grants or to retain further fee
6 revenues.

7 **SECTION 5.** 59.43 (2) (ag) 1. of the statutes is amended to read:

8 59.43 (2) (ag) 1. Subject to s. 59.72 (5) and except as provided in par. (L), for
9 recording any instrument entitled to be recorded in the office of the register of deeds,
10 \$11 for the first page and \$2 for each additional page \$25, except that no fee may be
11 collected for recording a change of address that is exempt from a filing fee under s.
12 185.83 (1) (b) or 193.111 (1) (b).

13 **SECTION 6.** 59.43 (2) (e) of the statutes is amended to read:

14 59.43 (2) (e) Subject to s. 59.72 (5) and except as provided in par. (L), for filing
15 any instrument which is entitled to be filed in the office of register of deeds and for
16 which no other specific fee is specified, ~~\$11 for the first page and \$2 for each~~
17 ~~additional page~~ \$25.

18 **SECTION 7.** 59.43 (2) (i) of the statutes is amended to read:

19 59.43 (2) (i) ~~For~~ Except as provided in par. (L), for recording certificates and for
20 preparing and mailing documents under s. 867.045 or 867.046, \$25.

21 **SECTION 8.** 59.43 (2) (L) of the statutes is created to read:

22 59.43 (2) (L) For recording any instrument under par. (ag), filing any
23 instrument under par. (e), and recording certificates and preparing and mailing
24 documents under par. (i), \$30 if the county uses \$5 of each \$30 fee received under this

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1 paragraph to redact social security numbers from electronic format records under
2 sub. (4) (c) and s. 59.72 (6), until the earliest of the following:

3 1. Completion of the redaction of social security numbers from electronic format
4 records under sub. (4) (c) and s. 59.72 (6).

5 2. Unless the register of deeds has been granted an extension by the
6 department of administration, January 1, 2012. The register of deeds may request
7 the department of administration to extend the time period under this subdivision
8 by one year. The department of administration may grant the extension and may
9 renew the extension for additional one-year periods.

10 3. January 1, 2015.

11 **SECTION 9.** 59.43 (4) (c) of the statutes is created to read:

12 59.43 (4) (c) With regard to any instrument filed with or recorded by a register
13 of deeds before April 1, 2006, which the register of deeds transfers to an electronic
14 format as described in this subsection, the register of deeds shall make a reasonable
15 effort to redact social security numbers from the transferred instrument's electronic
16 format.

17 **SECTION 10.** 59.43 (4) (d) of the statutes is created to read:

18 59.43 (4) (d) No later than March 31 annually, every register of deeds of a
19 county that has not completed redaction of social security numbers from electronic
20 format records under par. (c) shall submit to the department of administration a
21 report regarding the progress made by the county during the preceding year in
22 redacting social security numbers from electronic format records under par. (c),
23 including a statement of the number of instruments transferred to an electronic
24 format in the preceding year, the number of these instruments from which social
25 security numbers were redacted in the preceding year, the number of instruments

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1 remaining to be reviewed for redaction, and the estimated time needed to review the
2 remaining instruments for redaction.

3 **SECTION 11.** 59.72 (2) of the statutes is created to read:

4 59.72 (2) DUTIES. (a) If the county has established a county assessor system
5 under s. 70.99 or maintains land records that identify the zoning classification of
6 individual parcels, the board shall post on the Internet land records that identify the
7 zoning classification of individual parcels.

8 (b) No later than March 31 following the end of any year in which a county that
9 accepts a grant under s. 16.967 (7) or retains any fees under sub. (5) (b), the county
10 land information office shall submit to the department of administration a report
11 describing the expenditures made with the moneys derived from those grants or
12 retained fees.

13 **SECTION 12.** 59.72 (3) (b) of the statutes is amended to read:

14 59.72 (3) (b) Within 2 years after the land information office is established,
15 develop and receive approval for a countywide plan for land records modernization.
16 For any county in which land records are not fully accessible on the Internet, the plan
17 shall include a goal of providing full access to land records on the Internet. The plan
18 shall be submitted for approval to the department of administration under s. 16.967
19 (3) (e).

20 **SECTION 13.** 59.72 (3m) of the statutes is created to read:

21 59.72 (3m) LAND INFORMATION COUNCIL. (a) If the board has established a land
22 information office under sub. (3), the board shall create a land information council
23 consisting of not less than 7 members. The council shall consist of the register of
24 deeds, the treasurer, and, if one has been appointed, the real property lister or their

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1 designees and the following members appointed by the board for terms prescribed
2 by the board:

- 3 1. A member of the board.
- 4 2. A representative of the land information office.
- 5 3. A realtor employed within the county.
- 6 4. An emergency medical service provider employed within the county.
- 7 5. Any other members of the board or public that the board designates.

8 (b) The land information council shall review the priorities, needs, policies, and
9 expenditures of a land information office established by the board under sub. (3) and
10 advise the county on matters affecting the land information office.

11 **SECTION 14.** 59.72 (4) of the statutes is renumbered 59.72 (4) (a) and amended
12 to read:

13 59.72 (4) (a) A board that has established a land information office under sub.
14 (3) and a land information council under sub. (3m) may apply to the department of
15 administration for a grant for a land information project under s. 16.967 (7).

16 **SECTION 15.** 59.72 (4) (b) of the statutes is created to read:

17 59.72 (4) (b) A board shall use any grant received by the county under s. 16.967
18 (7) (a) and any fees retained under sub. (5) (b) to design, develop, and implement a
19 land information system under s. 16.967 (7) (a) 1. and to make the system accessible
20 on the Internet before using these funds for any other purpose.

21 **SECTION 16.** 59.72 (5) (a) of the statutes is amended to read:

22 59.72 (5) (a) Before the 16th day of each month a register of deeds shall submit
23 to the department of administration \$7 \$10 from the fee for recording or filing the
24 first page of each instrument that is recorded or filed under s. 59.43 (2) (ag) 1. or (e),
25 less any amount retained by the county under par. (b).

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1 **SECTION 17.** 59.72 (5) (b) (intro.) of the statutes is amended to read:

2 59.72 (5) (b) (intro.) ~~A- Except as provided in s. 16.967 (7m), a county may retain~~
3 \$5 \$8 of the \$7 \$10 submitted under par. (a) from the fee for recording or filing the
4 first page of each instrument that is recorded or filed under s. 59.43 (2) (ag) 1. or (e)
5 if all of the following conditions are met:

6 **SECTION 18.** 59.72 (5) (b) 1m. of the statutes is created to read:

7 59.72 (5) (b) 1m. The county has created a land information council under sub.
8 (3m).

9 **SECTION 19.** 59.72 (5) (b) 3. of the statutes is amended to read:

10 59.72 (5) (b) 3. The county uses \$4 \$6 of each \$5 \$8 fee retained under this
11 paragraph to develop, implement, and maintain the countywide plan for land records
12 modernization and \$1 \$2 of each \$5 \$8 fee retained under this paragraph for the
13 provision of land information on the Internet, including the county's land
14 information records relating to housing.

15 **SECTION 20.** 59.72 (6) of the statutes is created to read:

16 59.72 (6) LAND RECORDS MODERNIZATION. With regard to land records
17 modernization as described in sub. (3) (b), if a register of deeds transfers an
18 instrument that was filed or recorded with the register of deeds before April 1, 2006,
19 to an electronic format, as described in s. 59.43 (4), the register of deeds shall make
20 a reasonable effort to redact social security numbers from the transferred
21 instrument's electronic format.

22 **SECTION 21. Initial applicability.**

23 (1) The treatment of sections 59.43 (2) (ag) 1., (e), and (L) and (4) (c) and 59.72
24 (5) (a) and (b) (intro.), 1m., and 3. and (6) of the statutes first applies to an instrument

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1 that is presented to a register of deeds for recording or filing, or that is transferred
2 to an electronic format, on the effective date of this subsection.

3 (2) The treatment of sections 16.967 (7m) and 59.72 (4) (b) of the statutes first
4 applies to grants received or fees retained on the effective date of this subsection.

5 **SECTION 22. Effective date.**

6 (1) This act takes effect on the 30th day beginning after the day of publication.

7 (END)

COPY

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

Milwaukee County Land Information Office
2711 W. Wells Street, Room 426
Milwaukee, Wisconsin 53208
(414) 278-2176

March 8, 2010

Ms. Cynthia Archer, Director
Milwaukee County Department of
Administrative Services
Milwaukee County Courthouse, Room 308
901 N. Ninth Street
Milwaukee, WI 53233

Dear Ms. Archer:

I am writing to you on behalf of the Milwaukee County Automated Mapping and Land Information System (MCAMLIS) Steering Committee. The Committee is responsible for the administration and direction of the County's automated mapping and parcel based land information system—a system that is widely used by the County, the municipalities and utilities operating within the County, and the private sector. The substantial costs of originally creating the system were borne by the Wisconsin Electric Power Company, the Wisconsin Gas Company, the Wisconsin Telephone Company, and the Milwaukee Metropolitan Sewerage District, as well as by document recording fees retained by the County under State law. The costs of maintaining the system are borne by the retained fees—no property tax monies are involved.

The Committee membership includes representatives of the County Department of Transportation and Public Works; the Department of Administration; Office of the County Surveyor; the Power, Gas, and Sewerage utilities; the City of Milwaukee; and of the 18 suburban municipalities. The program is nationally recognized as a model program. The Committee staff is very small, consisting of a Project Manager and a Geographic Information Specialist, both housed in the County Department of Transportation and Public Works. The Committee was on March 3, 2010, notified that the Specialist—Mr. Kevin Bruhn—was to be laid off. This layoff would cripple the program. The Committee would, therefore, very much appreciate your assistance in restoring Mr. Bruhn to this position so essential to the program. As already noted, no property tax monies would be involved.

We very much hope for your assistance in this matter. Should you have any questions concerning our appeal to you, please do not hesitate to call either Mr. William C. Shaw, the Program Manager, or the undersigned as Committee Chairman.

Sincerely,

K.W. Bauer, PE, RLS
MCAMLIS Committee Chairman

cc: Mr. Jack Takerian, Interim Director, Milwaukee County Department of Transportation
and Public Works
bcc: Mr. John LaFave, Milwaukee County Register of Deeds

KWB/mlh

Village of Bayside



Police Department
Bruce Resnick, Chief of Police

March 10, 2010

Mr. Kurt Bauer, Chairman
Milwaukee County Automated Mapping and
Land Information System Steering Committee
c/o William Shaw
2711 W. Wells St. Room 426
Milwaukee, 53208

Dear Mr. Bauer:

We are writing in support of the work that is done by William Shaw and the group at the MCAMLIS project. The Village of Bayside has been a user of the data developed by MCAMLIS for the past several years. The data is used in our dispatch center and others to properly locate wireless 911 callers and to map landline 911 calls. The life safety implications of having accurate and fresh data cannot be overstated.

The data is also used by our Department of Community and Utility Services for any number of projects. Without the assistance of Bill and his staff we would not be able to provide the level of service we do.

We strongly support the efforts of Milwaukee County in this process and we trust you will continue to provide the necessary funding to insure our constituents have the latest data available.

Yours very truly,

Andy Pederson, Village Manager
Village of Bayside

Bruce Resnick, Chief of Police
Village of Bayside

cc: Mr. William Shaw