



**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:** December 11, 2009

**SUBJECT:** MCAMLIS 80<sup>th</sup> Steering Committee Meeting Materials

Enclosed please find a set of materials that the steering committee will take up at its scheduled September 22<sup>nd</sup> meeting.

- I. Meeting Agenda
- II. Meeting Minutes of the 79<sup>th</sup> Steering Committee meeting held September 22<sup>nd</sup>, 2009
- III. Reports
  - A. Report materials related to the MCAMLIS Enterprise Address Project
  - B. Report materials related to the MCAMLIS Milwaukee County Plats of Survey Project
  - C. Report materials related to the 2010 Regional Orthophoto Imaging and Photogrametric Program
  - D. Report materials related to the MCAMLIS Fiscal status (to be distributed at the meeting)
- IV. Old Business
  - A. None
- V. New Business
  - A. Materials related to a 2010 agreement for Milwaukee County Surveyor Services between MCAMLIS and SEWRPC
  - B. Materials related to a 2010 agreement for Map Maintenance Services between MCAMLIS and the City of Milwaukee
  - C. None
  - D. Materials related to a Milwaukee County CDBG-EAP Grant Application for purposes of Floodplain Mapping efforts
  - E. None

\* \* \* \* \*

80<sup>th</sup> MCAMLIS STEERING COMMITTEE MEETING ROSTER

Name	Organization	Phone	Fax	Email
Don Nehmer	MMSD	414-225-2190		DNehmer@mmsd.com
John Bennett	City of Fwi 614	414 425 7570	414-425-3106	jbennett@fwi614.org
Karen Cross	We energies	414 385 6179		Karen.Cross@weenergy.com
Nancy Olson	CITY OF MILWAUKEE	414-286-8710	414-286-2113	Nancy.Olson@milwaukee.gov
CJ PAHL	COUNTY-MILWAUKEE DPT	218.4137		SYNTHIA.PAHL@MILW.COUNTY.WI.GOV
KW BOWEN	County Sweeney	262-547-6721	262-547-1103	kwbowen@sewpc.org
John LaFave	Reg. of Deeds	414-278-3083		john.lafave@milwaukee.org
GREG HIGH	MILW COUNTY DTPW	414 278 4943	262-223-1338	ghigh@milwcnty.com
Pamela Booth	City of Milwaukee	414-286-8795		pbooth@milwaukee.gov
SPAY DRENT	MILW COUNTY DTPW	414-218-4834	223-1388	spay@milwcnty.com
PHIL MROCKZKOWSKI	CITY OF MILW.	414-286-2412		philip.mrockzowski@milwaukee.gov
Tommy Bronson	City of Milw.	414-286-8709		tommy.bronson@milwaukee.gov
Herdy Meisner	GeoDecisions	414 690-7090	262 238-1685	rmeisner@wi.rv.com
Kevin Bruha	Milwaukee County	414-278-3129		KevinBruha@milwcnty.com

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

Eightieth Steering Committee Meeting

**AGENDA**

Date: December 8<sup>th</sup>, 2009  
Time: 9:00 a.m.  
Place: Milwaukee County  
City Campus, Room 349  
2711 W Wells St.  
Milwaukee, WI. 53208

- I. Roll Call
- II. Meeting Minutes
  - Consideration of the minutes of the 79<sup>th</sup> Steering Committee meeting held September 22<sup>nd</sup>, 2009.
- III. Reports
  - A. Report by MCAMLIS staff on the status of the Enterprise Address Project.
  - B. Report by MCAMLIS staff on the status of the Milwaukee County Plats of Survey Project
  - C. Report by MCAMLIS Staff on the status of the 2010 Regional Orthophoto Imaging and Photogrametric Program
  - D. Report by Milwaukee County DAS staff on MCAMLIS Fiscal and 2010 Milwaukee County Budget status
- IV. Old Business
  - A. Informational Update by the Milwaukee County Register of Deeds regarding the status of the Proposed Flat Fee legislation
- V. New Business
  - A. Consideration of a 2010 agreement for Milwaukee County Surveyor Services between MCAMLIS and SEWRPC.
  - B. Consideration of a 2010 agreement for Map Maintenance Services between MCAMLIS and the City of Milwaukee.
  - C. Appointment of a nominating committee to recommend a slate of officers to the Steering Committee at it's next regular meeting
  - D. Consideration of a MCAMLIS Staff report and recommendation to apply for CDBG-EAP Grant funding available to assist Floodplain Mapping efforts
  - E. Consideration of a 2011 Work program and Budget
- VI. Correspondence
- VII. Date, time, and place of next meeting
- VIII. Adjournment

MINUTES OF THE 79th MEETING  
Milwaukee County Automated Mapping and Land Information System  
Steering Committee

Date: Tuesday, September 22, 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
Cynthia J. Pahl	Fiscal Management Analyst, representing Cynthia Archer, Director, Milwaukee County Department of Administrative Services
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 Director, Milwaukee County Department of Transportation and Public Works
John C. Place	Manager, Gas Engineering and Mapping, We Energies
John L. La Fave, LIO	Milwaukee County Register of Deeds

Members Absent

Kevin S. Anderson	Area Manager - Design, AT&T Milwaukee Metro South
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Guest and Staff Present

Gary E. Drent	Fiscal and Budget Manager, Milwaukee County, DTPW/AE&ES
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William C. Shaw	MCAMLIS Project Manager, Milwaukee County DTPW/AE&ES
Tammy Bronson	City of Milwaukee, Information and Technology Management Division
Kathleen Bach	Milwaukee County Register of Deeds
Hardy Meihnsner	GeoDecisions
Marcia Lindholm	City of Milwaukee
Phil Evenson	SEWRPC
Pamela Booth	City of Milwaukee
Kevin Bruhn	Milwaukee County DTPW/AE&ES

## **I. ROLL CALL**

The Seventy-Ninth meeting of the Milwaukee County Automated Mapping and Land Information System (MCAMLIS) Steering Committee was called to order by Chairman Bauer 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 77<sup>TH</sup> STEERING COMMITTEE MEETING HELD MARCH 24, 2009**

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

**Motion: Nehmer moved to accept minutes**  
**Second: Bennett 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

Olson: noted that the City of Milwaukee includes a link to MCLIO website from the City's site. Noting that the City receives frequent inquiries requesting data located outside the City of Milwaukee and the MCLIO site is able to handle those requests.

**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 further stating that the correct date of the report is September 9, 2009 not July 14, 2009.

**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 COMPLETION OF THE 2005 TOPOGRAPHIC MAPPING PROJECT INCLUDING THE 2009 UPDATE OF THE MARQUETTE INTERCHANGE.**

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

Bauer: adding that the project has been completed, the data has been distributed and the consultants have been paid.

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

**III(d) REPORT BY MCAMLIS STAFF ON THE COMPLETION OF THE 2008 LIDAR PILOT 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(e) REPORT BY MILWAUKEE COUNTY DAS STAFF ON MCAMLIS FISCAL AND 2010 MILWAUKEE COUNTY BUDGET STATUS.**

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

Pahl: remarked that the budget includes a \$25,000 fee for Milwaukee County DAS accounting and fiscal management services. Noting that this fee will be reduced from \$25,000 to \$5,000 when the 2010 budget is approved and available sometime in November.

LaFave: added that the 2010 budget reflected a 50% reduction in the cost of services charged by his office for support of Cadastral and Address maintenance.

Drent: noted that the 2010 ROD charge of \$40,000 remains funded 100% from the \$4.00 fee.

Pahl: replied in response to a series of questions regarding the 2010 \$4 budget. Stating that as presented the budget allocates all anticipated revenues and expenditures and that the line item 6148 contains funding that would be available for authorization of new projects.

Nehmer inquired as to the specifics of items included within the 6148 budget line?

Drent: further detailed the 6148 line included for professional services reoccurring operations having \$189,000, noting that monies set aside for the County Surveyor and services charged by the City of Milwaukee where part of this allocation leaving about \$30,000 for new projects.

Nehmer: inquired if this would be the same for the \$1 fee?

LaFave: replied that for the \$1 fee the 6148 line is calculated based on the estimated number of recorded documents multiplied by \$1 results in a budget estimate of \$150,000 available for new projects.

Pahl: added that this is actually \$150,000 less \$2,500. Noting that this represents one-half of the \$5,000 DAS fiscal charge shared equally between the \$1 and \$4 funds.

Bauer: approximated and restated the anticipated new funding available for 2010 MCAMLIS projects as \$30,000 and \$140,000 for the Register of Deeds.

Bennett: asked that encumbrances currently associated with the 'Plat of Survey' project be adjusted to reflect current estimated cost so that there may be a clearer picture of what is available in the MCAMLIS 2010 budget going into the new year.

Olson: inquired as to the number of staff that is included as well as what was the percentage of their time?

Drent: answered that there are two full time employees in addition to contract staff to assist in various projects as may be required. Adding that the two fulltime employees are 99% charged to MCAMLIS with a small percentage of time requested for Milwaukee County related GIS work.

Shaw: added that projects that the MCAMLIS Committee approves from time to time include estimates of staffing required as part of the project proposals that are made. Some of the monies that are included in those projects are estimated expecting to use contracted staff or in some cases staff assigned to MCAMLIS. When that occurs the monies that are charged to those projects goes to offset money that that would have been drawn from the overall MCAMLIS Budget.

Nehmer: stated that he felt that the 'budgeting' process itself did not appear to him to be correct. Noting that the 'MCAMLIS Committee' hasn't had a chance to set goals or understand what may or may not be included as part of the budget. Further adding that he wasn't sure how the proposed budget came about, as an example there has been a reduction of about \$44,000 in revenue, yet cash available for project expenses has been reduced by about \$150,000. Noting that he was concerned where the additional monies may have been distributed. Referring to the 2009 Budget he stated that there was \$330,000 for reoccurring projects and expenses, this year we have \$189,000 yet our revenues dropped only \$44,000 and our cash available for projects seemly has gone down about \$150,000.

Drent: explained that substantial overhead costs related to MCAMLIS were currently being absorbed in the A&E budget, and that now those costs are being absorbed in the 2010 MCAMLIS budget. Adding that this is the reason why there is less money available. Further adding that for example, in the past the A&E budget paid for employee pension, but now this was inserted with the staff with this 2010 budget.

Bauer: summarizing that in 2009 the MCAMLIS revenue did not support all of the personnel costs because it included only the direct salaries and public works assumed the overhead cost. Further adding that this year's budget has added the additional overhead costs. Concluding that as far as the 'budget' process goes he thought that this is something that the Committee may want to discuss at the next meeting or at the first meeting next year at which time the committee can decide what process it wants to use in formulating the 2011 budget.

**Motion: Olson moved to approve 2010 budget  
LaFave second motion carried unanimous**

**Motion: Bennett moved to reduce the approved budget for the plat digitization project from \$136,000 to \$89,000.  
Nehmer second motion carried  
High: NO**

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

#### **IV. OLD BUSINESS**

##### **IV(a) STATUS UPDATE BY MCAMLIS STAFF REGARDING MCAMLIS PARTICPATION IN THE 2010 REGIONAL ORTHOPHOTO IMAGING AND PHOTOGRAMMETRIC PROGRAM.**

Evenson: directed the committee to the revised materials he provided at the meeting.

High: commented that it looked like the numbers had gone down and asked what was the reason?

Evenson: replied that original figures were conservative and that as the estimates evolved there was some fine-tuning of the contractor's estimate and this brought costs down.

Shaw: directed the committee to the revised report provided at the meeting.

Secretary's note: There followed a long discussion regarding the inclusion or exclusion of certain project options. The result of this discussion was to present to the Committee for acceptance the revised proposal presented by Mr. Evenson along with his recommendation to proceed with both the acquisition of 6" Color Orthophotography acquired under conventional methods and to acquire 6" Color Orthophotography acquired using a method proposed by MCAMLIS Staff utilizing Pictometry International's 'AccuPlus'. Further stipulating that a comparison of the resulting products would be performed in a manner capable of establishing certification and suitability of AccuPlus for future image acquisition projects.

**Motion: Bennett moved to accept Mr. Evenson's revised proposal and to complete the recommended comparison study  
High second motion carried unanimous**

**Secretary's note:** The motion assumes full approval of the recommended 2010 Orthophotography project option included as Mr. Evenson's presentation of a revised 2010 MCAMLIS Orthophotography Project Planning and Staff Recommendation proposal. The following table is included here to describe costs related to this option including detailed related cost and payment distribution of the recommended option:

6" certified orthophotography \$33,235, Pictometry, Inc. \$118,944 for imagery acquisition & digital image processing, \$13,000 over 2 yrs. (\$6,500 in 2010 - \$6,500 in 2011) for specialized website enabling software and \$15,000 over 2yrs (\$7,500 in 2010 - \$7,500 in 2011) for professional services to assist deployment.

Item	2010		2011		Totals
	SEWRPC	MCAMLIS	SEWRPC	MCAMLIS	
6" USGS Certified Orthophotography	\$146,978	\$33,235	\$0	\$0	\$180,213
6" AccuPLUS Imagery	\$95,155	\$23,789	\$0	\$0	\$118,944
Pictometry Image Navigator	\$0	\$6,500	\$0	\$6,500	\$13,000
Professional Services	\$0	\$7,500	\$0	\$7,500	\$15,000
Subtotal	\$242,133	\$71,024	\$0	\$15,000	\$328,157
Project Totals	\$313,157		\$15,000		\$328,157

**Motion:** Bennett moved to have staff negotiate with Pictometry for a cost share and bring back to the Committee for the next meeting.

**High second motion carried unanimous**

**Secretary's note:** Staff attempted negotiation with Craig Witmer – Vice President Pictometry International Corp regarding Pictometry's AccuPlus but was unable to extend further cost reduction. Mr. Witmer believes that Pictometry is providing their best price as evidenced by the 33% reduction over the cost of conventionally acquired Orthophotography and whereby the Oblique imagery is essentially provided at no cost to the County as part of the AccuPlus product.

## **V NEW BUSINESS**

### **V(a) CONSIDERATION OF A REGISTER OF DEEDS REQUEST TO REAUTHORIZE FUNDING A PORTION OF THE ENTERPRISE ADDRESS SYSTEM (EAS) PROJECT UTILIZING THE \$1 FEE.**

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

**Motion:** Bennett moved to approve  
Nehmer second carried unanimous

### **V(b) CONSIDERATION OF A REGISTER OF DEEDS REQUEST TO FUND IMPROVEMENTS TO COMPUTERIZED SYSTEM.**

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

**Motion** Olson moved approval  
Bennett second carried unanimous

### **V(c) EMERALD ASH BORER**

Bennett: asked that the Committee request that staff prepare a report and recommendation regarding the use of Hyper-Spectral imagery as a mean to inventory ash trees outside the City of Milwaukee for purposes of managing an emerging Emerald Ash Borer infestation.

Secretary's note: pursuant to Mr. Bennett's request and favorable discussion the MCAMLIS staff expects to prepare a report on this technology and present its finding during a future meeting.

## **VI CORRESPONDENCE**

N/A

**VII DATE, TIME, AND PLACE OF NEXT MEETING**

Shaw: December 8, 2009 @ 9:00am

**VIII ADJOURNMENT**

**Motion:       Nehmer moved adjournment**  
**LaFave second carried unanimous**



**DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
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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:** November 23, 2009  
**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 – 10/09 – 11/09**

1. Completed LUCA Address Appeal (status map attached)
2. Develop, build, test and deploy Version 2.1.1 of the MCLIO Interactive Mapping Service (attached MCLIO Interactive Map Service Dashboard, Exhibits)
  - Enhanced Pictometry functionality
  - Added Utility Feature Class data showing Hydrants (North Shore), ATC and MMSD assets
3. Reconcile the EAS database to allow dynamic linking of parcels, addresses, units and structures (attached; centerline to structure and address to building status maps)
4. Entered final stage of EAS Street countywide street centerline alignment and address geocode verification process (status map attached)
  - Completed countywide geometry/attribute corrections (final geocoding rate: 98.7 – 99.9%)
  - Completed identifying & correcting geometry/attributes within the City of Milwaukee

**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: LUCA Address Review Status

MCAMLIS EAS Address Model Status: Structure-to-Address Relationship

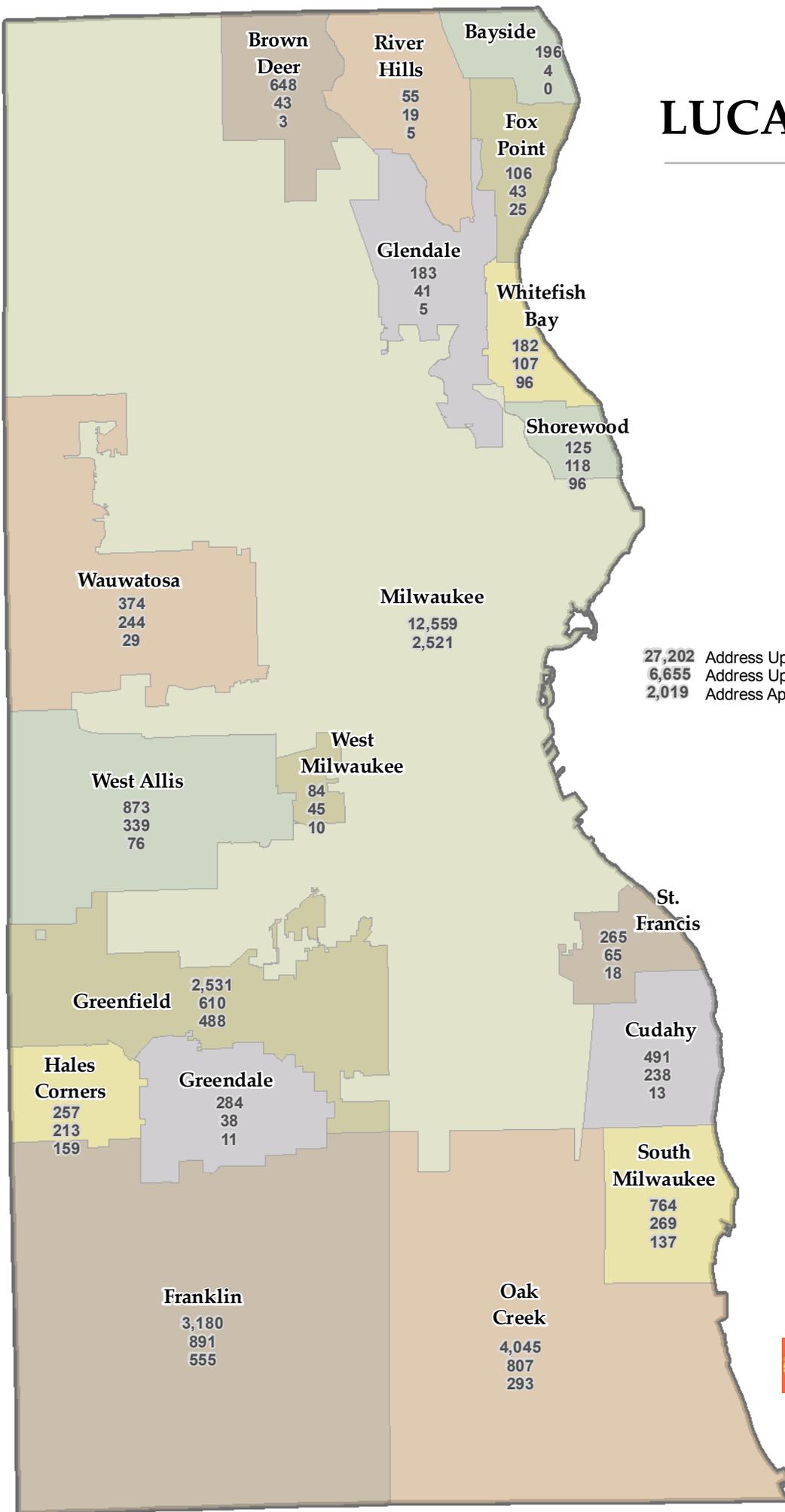
MCAMLIS EAS Address Model Status: Centerline-to-Address Relationship

MCLIO Interactive Mapping Services Dashboard and new website feature exhibits

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# LUCA Feedback Status

November 20, 2009



27,202 Address Updates Submitted to LUCA  
6,655 Address Updates Returned by LUCA for Further Review  
2,019 Address Appeals Returned to LUCA (not including Milwaukee)



**Milwaukee County**  
**Land Information Office**

# MCAMLIS EAS Address Model Status

## Centerline-to-Address Relationship

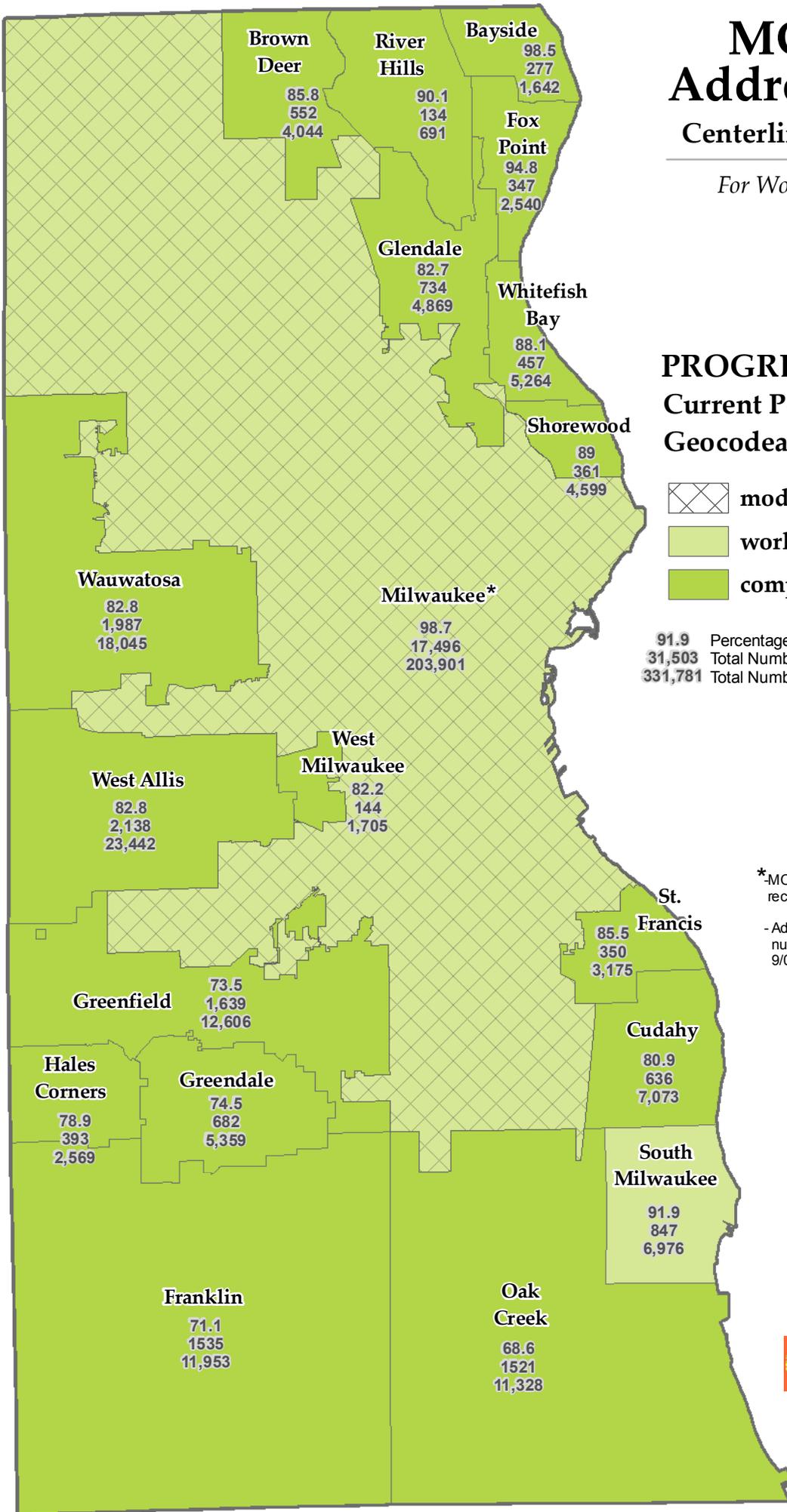
*For Work Performed through 11-20-09*

### PROGRESS

Current Percentage of Addresses  
Geocodeable to Centerline Segments

-  model to be constructed
-  work remaining (98% to 99%)
-  complete / ongoing maintenance (>99%)

91.9 Percentage of Geocodeable Addresses Prior to Error Correction  
 31,503 Total Number of Centerlines  
 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

## Structure-to-Address Relationship

*For Work Performed through 11-20-09*

### PROGRESS

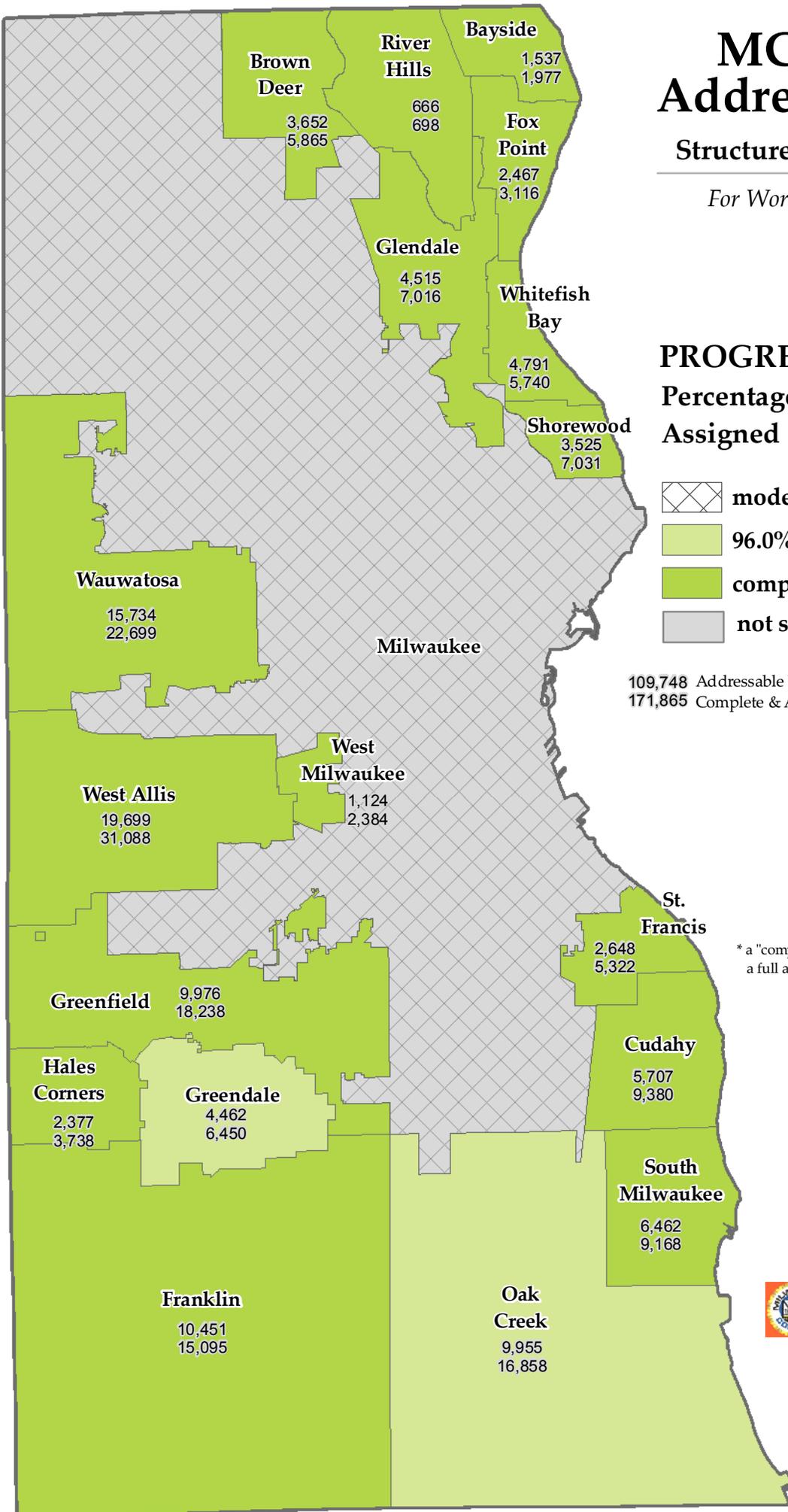
Percentage of Addresses  
Assigned to Structures

-  model to be constructed
-  96.0% - 98.0% (field collection required)
-  complete / ongoing maintenance (>98%)
-  not started: 60% complete (est.)

109,748 Addressable Building Polygons (excluding Milwaukee)

171,865 Complete & Active Address Records\* (excluding Milwaukee)

\* a "complete & active" address record contains enough data for a full address string and is associated with a non-retired parcel



**Milwaukee County  
Land Information Office**

# MCAMLIS EAS Address Model Status

## Centerline Geometry

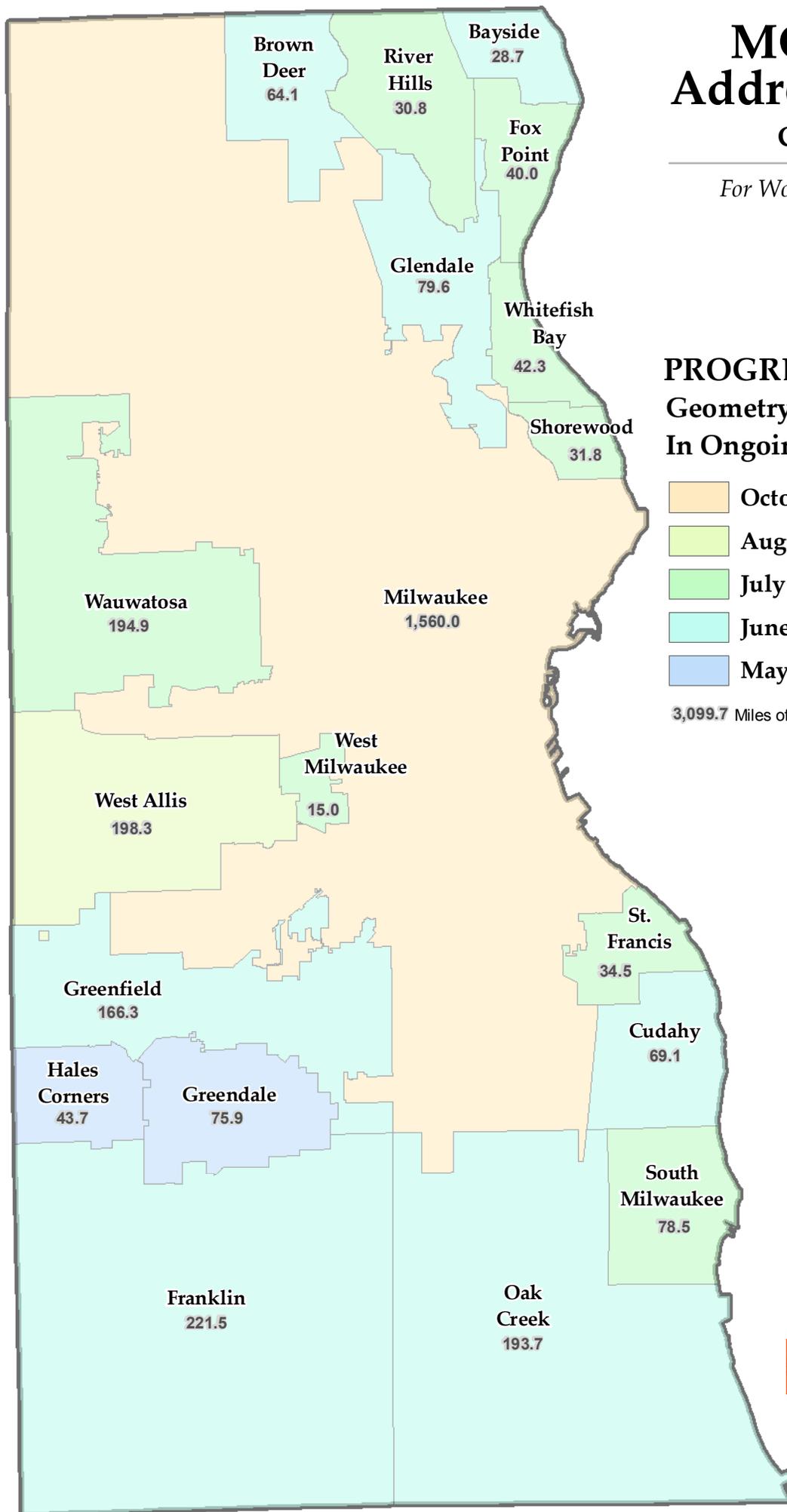
*For Work Performed through 11-20-09*

### PROGRESS

Geometry Updates & Realignments,  
In Ongoing Maintenance Since:

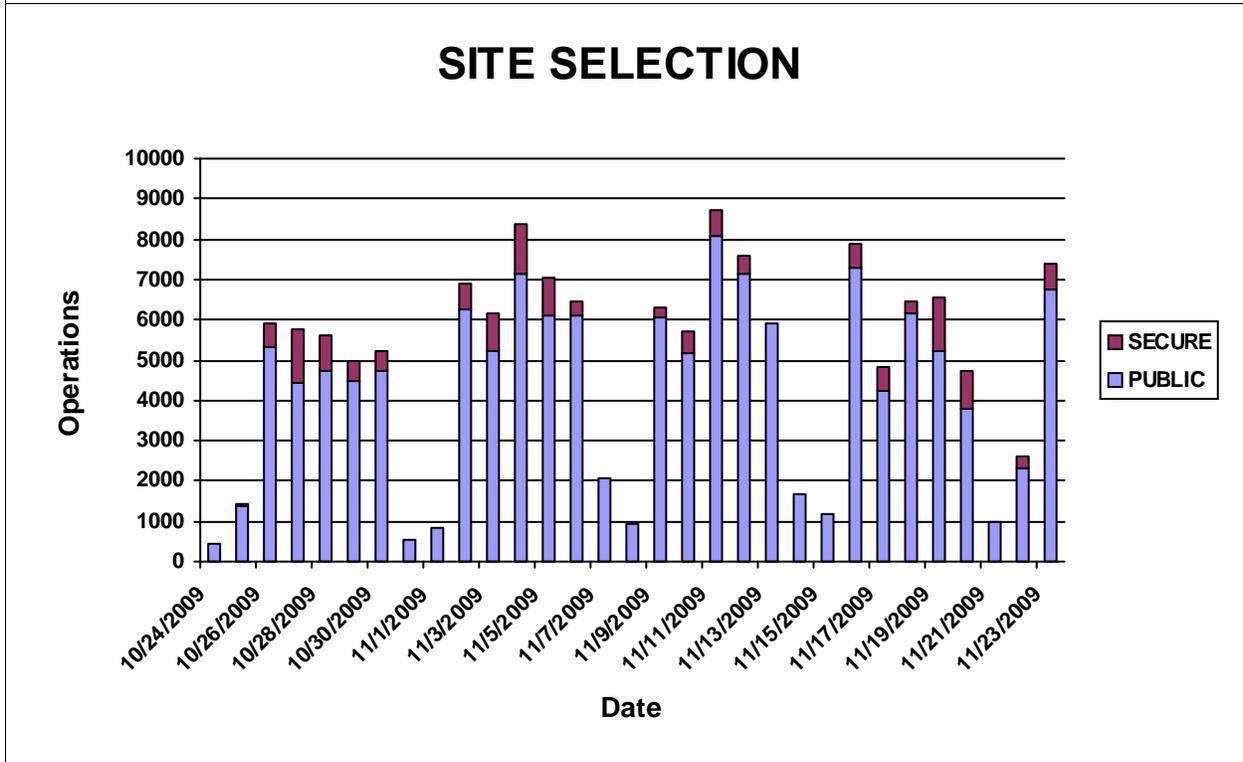
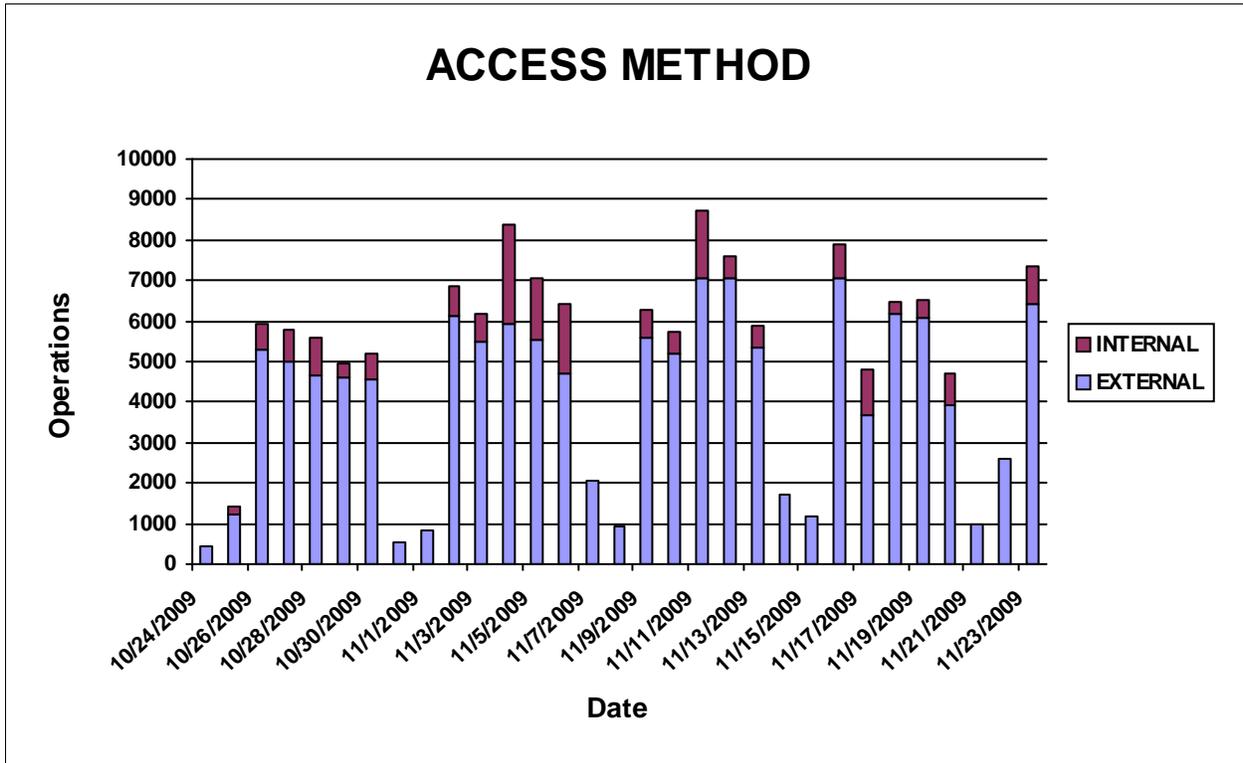
-  October 2009
-  August 2009
-  July 2009
-  June 2009
-  May 2009

3,099.7 Miles of Centerline



**Milwaukee County  
Land Information Office**

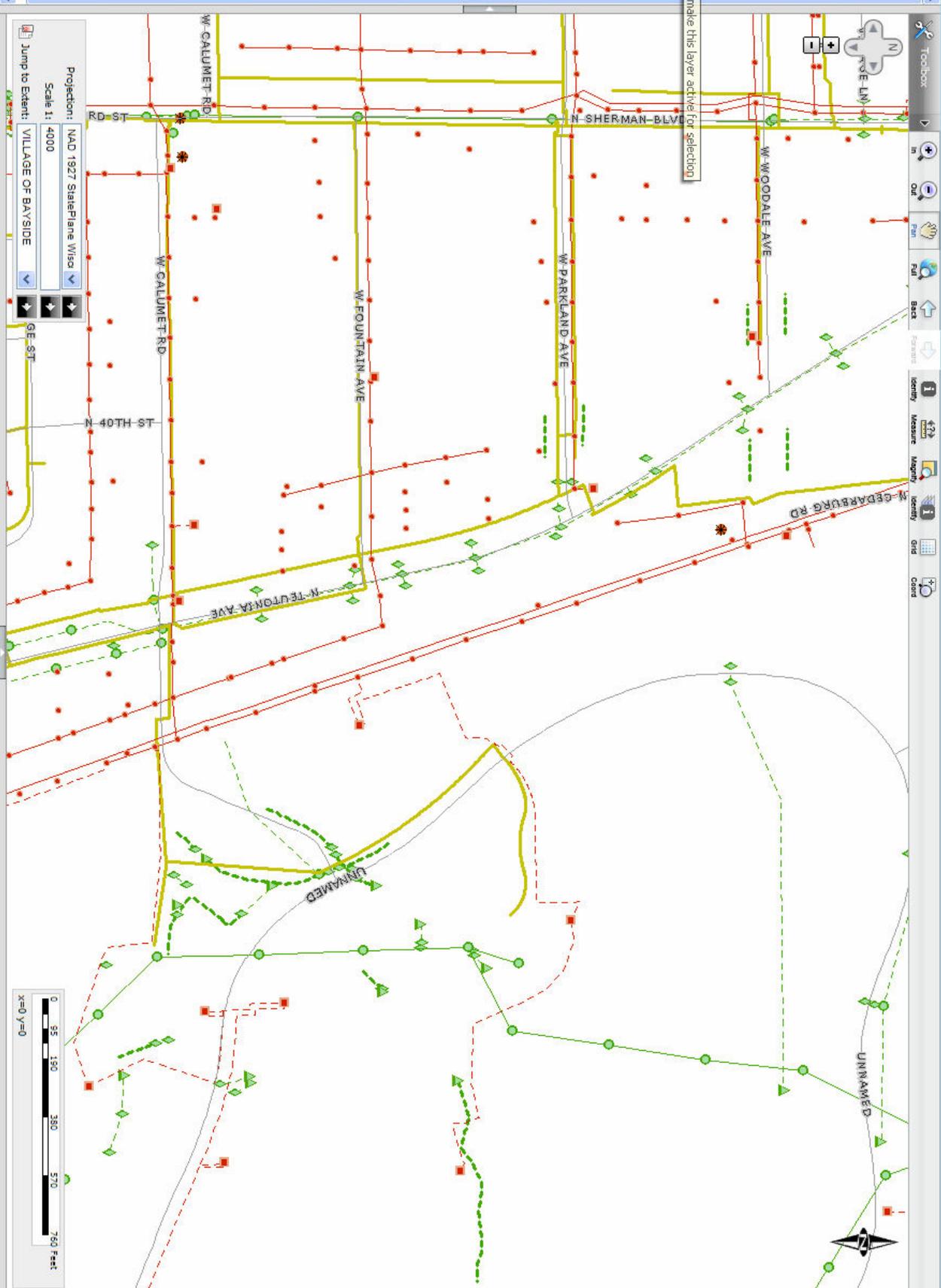
# MCLIO Map Services Dashboard



Overview Map

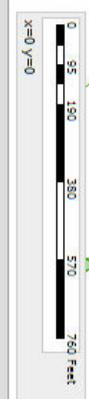
Layer List

- UTILITIES
  - Wireless Towers  1
  - Electric, We equipment  1
  - Electric, We manhole  1
  - Electric, We pole  1
  - Electric, We overhead line  1
  - Electric, We underground line  1
  - Gas Main, We low pressure  1
  - Gas Main, We high pressure  1
  - Gas Main, We transmission  1
  - Sanitary Sewer, County  1
  - Sanitary Sewer, County pipe  1
  - Active  1
  - Abandoned  1
  - Sanitary Sewer, County pipe  1
  - Abandoned  1
  - Storm Sewer, County  1
  - Manhole  1
  - Thief  1
  - Outfall or Discharge  1
  - Other Structure  1
  - Storm Sewer, County pipe  1
  - Storm Sewer, County  1
  - Sanitary Sewer, MMSD  1
  - Manhole  1
  - Inactive or Abandoned Manhole  1
  - LID  1
  - Metropolitan Interceptor Sewer  1
  - Outfall  1
  - Abandoned Outfall  1
  - Combined Sewer Overflow  1



Click to make this layer active for selection

Hide Legend



x=0 y=0

Overview Map

Layer List

- ADMINISTRATIVE
- CADASTRAL
- TOPOGRAPHIC
- REGULATORY
- AERIAL PHOTOS
- 2009 (High Res) GRAND EXPNT
- 2008 (Low Res)
- 2007 (Med Res)
- 2005 (High Res)
- 2000 (Med Res)
- 1995 (Low Res)
- 1963 (Low Res)
- 1995 (Low Res)
- 1997 (Low Res)
- 1936 (Low Res)



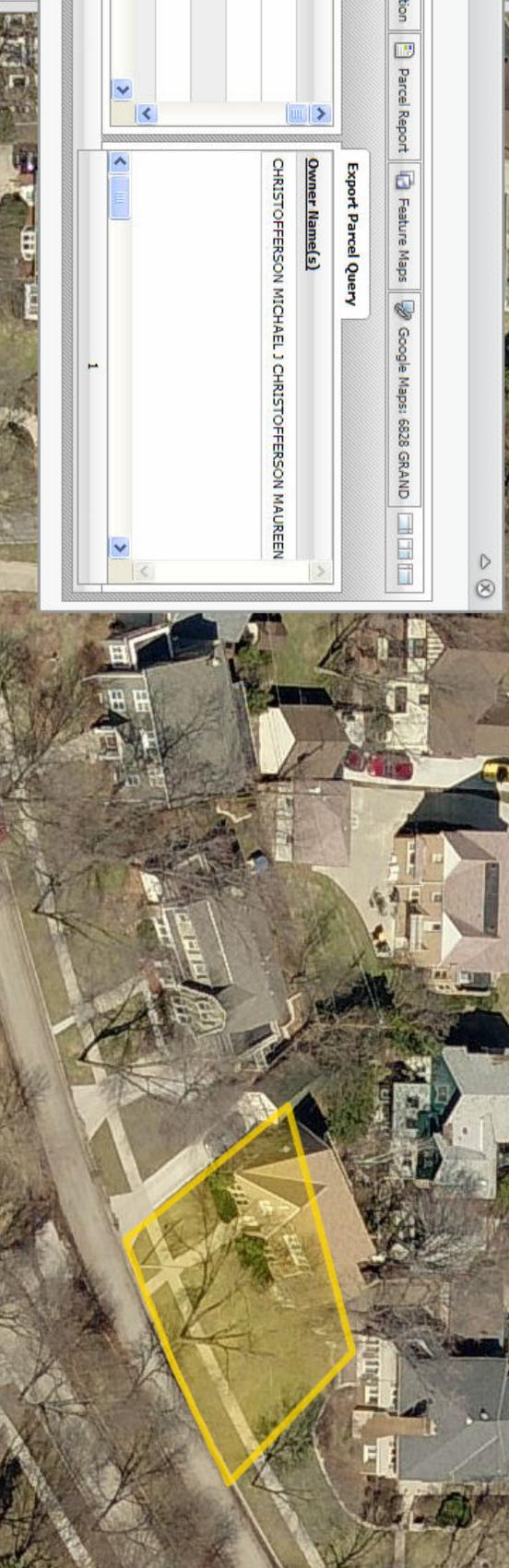
Report

Tax Parcels

- Zoom to Feature
- Add to selection
- Parcel Report
- Feature Maps
- Google Maps: 6828 GRAND

Export Parcel Query

Spatial Attributes		Owner Name(s)	
OBJECTID	29754	CHRISTOFFERSON MICHAEL J CHRISTOFFERSON MAUREEN	
PARCEL_DESCRIPTION			
MAP_ID	186778		
TAXKEY	4060013000		
SECTN	0	1	





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**MEMORANDUM**

**TO:** MCAMLIS Steering Committee  
**FROM:** William C. Shaw, MCAMLIS Project Manager  
**DATE:** November 20, 2009  
**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 24<sup>th</sup> 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 this Period – 7/09-9/09 through 11/19/2009**

• **Phase 1: Plat Conversion and Internet Application**

	Total	Completed	% Complete	% Remaining	\$\$	Est. \$\$
Scanning Drawers	42* (38)	16	38%	62%	\$19,370	\$40,000
Phase Management	200	72	36%	64%	\$1,529	\$5,000
Develop web Retrieval			75%	25%	\$0	\$4,000
Total			43%	57%	\$20,899	\$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	15506	55%	45%	\$7,440	\$33,700
Address Data Entry *	8000	0	0	100%	\$0	\$0
New Plats	6000	0	0%	100%	\$0	\$6,300
Total	87730	61256	70%	30%	\$7,440	\$40,000

- Continued scanning production using Mid City Blue services
- Indexed and deployed 48,000 documents utilizing the MCLIO Interactive Mapping Service website (see status map attached)
- Discovered 8,000 additional Plat of Survey documents currently located in the ROD office. Sample tests of these documents indicate that they represent plat of surveys that were not included in the original project files and must be indexed and scanned separately

#### NEXT

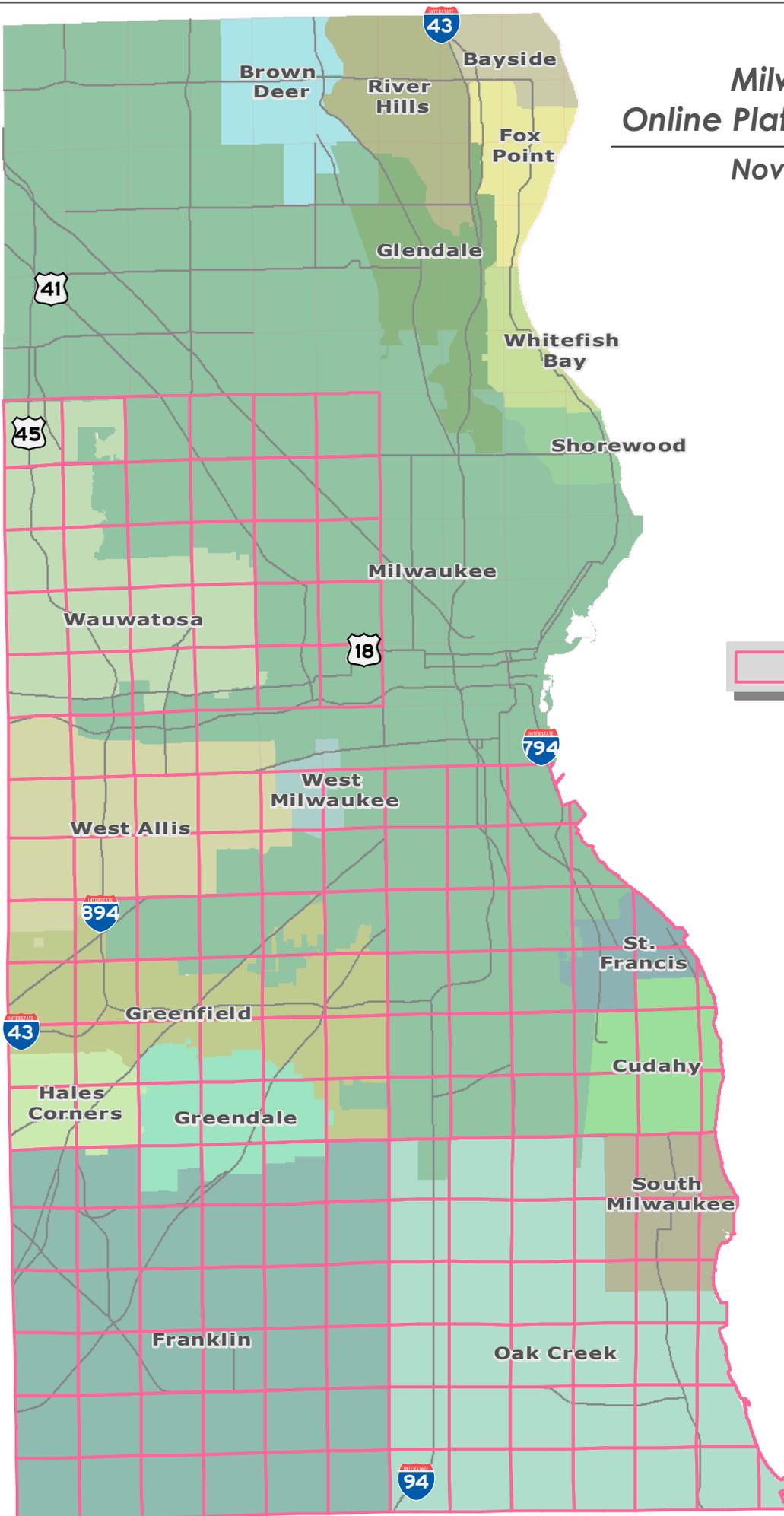
- Continue regular scheduling of scanning process
- Continue to implement automated and manual procedures necessary to reference digitally scanned plat documents to a correct parcel location
- Start address index of newly located documents. MCAMLIS ROD office staff to provide support for indexing and data entry.

Attach: Plat of Survey Project Status Map

\*\*\*\*\*

# Milwaukee County Online Plat of Survey Availability

November 19, 2009



Plat of Survey Available



# CSM Availability Status

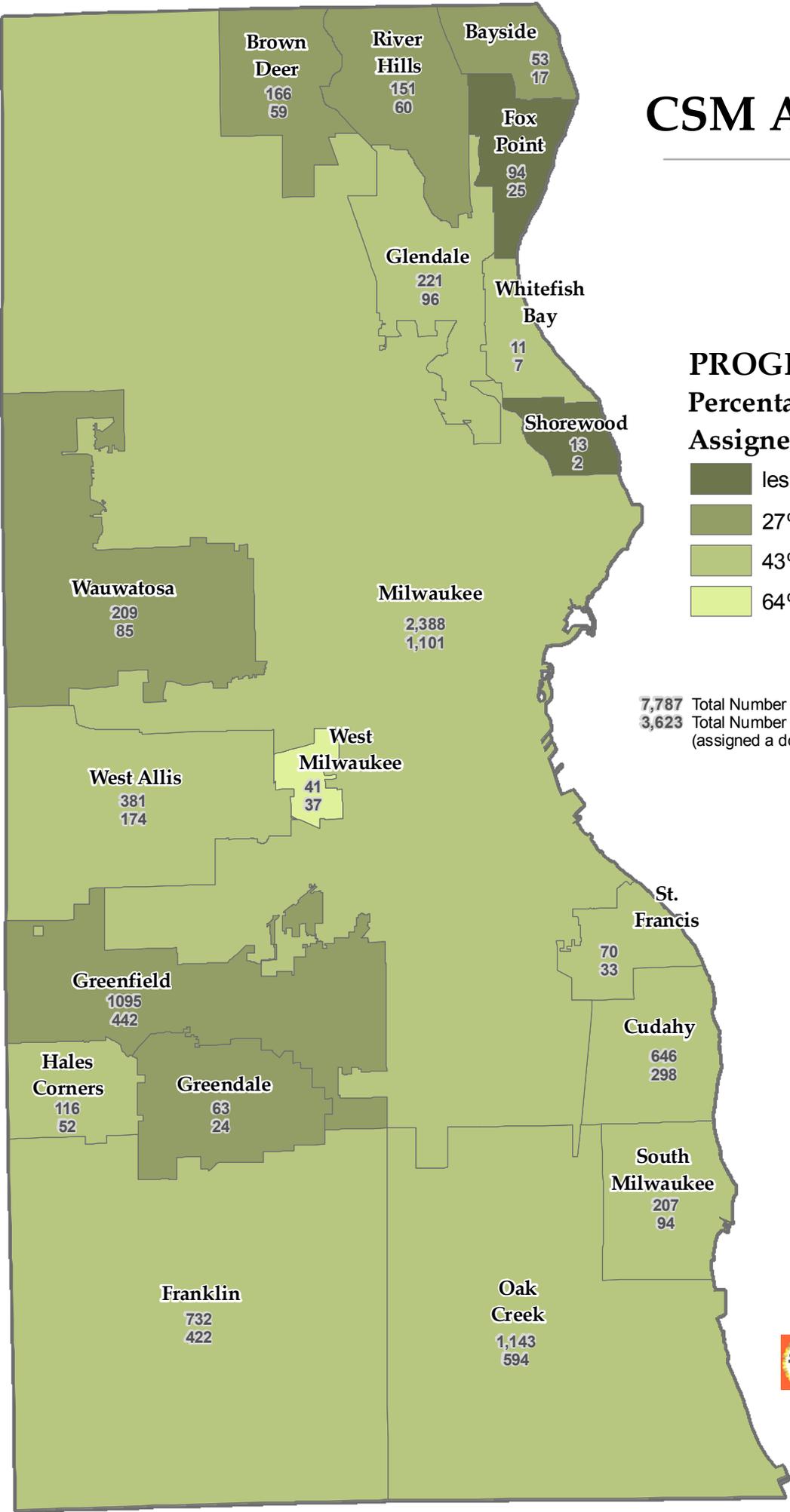
November 23, 2009

## PROGRESS

Percentage of CSM Polygons Assigned a Document Retrieval ID

- less than 27%
- 27% to 42.99%
- 43% to 63.99%
- 64% and higher

7,787 Total Number of Current CSMs  
 3,623 Total Number of Current CSMs Available for Online Access (assigned a document retrieval ID)



**Milwaukee County**  
**Land Information Office**



**DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS  
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:** November 23, 2009  
**SUBJECT:** Comparative Evaluation of Pictometry AccuPlus 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 – 10/09 – 11/09**

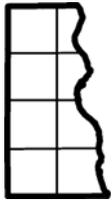
1. Project concurrence and TAC formulation

**NEXT**

1. Schedule the 1<sup>st</sup> meeting of the TAC
2. Finalize cost share agreements, deliverables and schedules

Attach: Ltrs between Philip C. Evenson, Special Projects Advisor, Craig Witmer, Vice President Central Region, Pictometry International Corp. and William Shaw, MCAMLIS project Manager regarding project concurrence and TAC participation.

\* \* \* \* \*



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

c/o Department of  
Transportation and Public Works  
2711 West Wells Street, Room 426  
Milwaukee, Wisconsin 53208-3509  
Telephone (414) 278-2176

**MEMORANDUM**

**TO:** Philip C. Evenson, Special Projects Advisor  
Southeastern Wisconsin Regional Planning Commission  
P.O. Box 1607  
Waukesha, WI 53187-1607

**FROM:** William C. Shaw, MCAMLIS Project Manager

**DATE:** October 2, 2009

**SUBJECT: CONCURRENCE AS TO PURPOSE, SCOPE AND CONTENT OF THE PROPOSED  
COMAPATIVE EVALUATION PROJECT**

**PROJECT SCOPE AND CONTENT**

Milwaukee County and Pictometry International Corporation look forward to participating in the proposed evaluation project and agree as to the scope and content of the comparative evaluation project as outlined in your memorandum dated September 28<sup>th</sup> 2009.

**TECHNICAL ADVISORY MEMBERSHIP**

The Milwaukee County Land Information Office; the MCAMLIS project; and Pictometry International Corporation of Rochester, New York agree to participate as members of the Comparative Evaluation Project TAC and will be represented by the MCAMLIS Project Manager, and Pictometry's Craig Witmer, Vice President Central Region and Thom Salter, Senior Photogrametric Engineer.

**PROJECT INITIATION**

Pictometry staff and I, look forward to participating in this project and will not impede it's initiation in anyway. In this regard, I request that you provide resonable time to allow for scheduling and perhaps allow for teleconferencing when/if practical. Please notify me as soon as practical any dates or duties that may be required going forward.

**Cc:** Craig Witmer, Vice President Central Region Pictometry International Corporation

**Attach:** Letter to the MCAMLIS Project Manager from Craig Witmer, Vice President Central Region  
Pictometry International Corporation dated 9/30/2009

\* \* \* \* \*

WCS/wcs

# SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

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

TELEPHONE (262) 547-6721  
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RACINE  
WALWORTH  
WASHINGTON  
WAUKESHA



## MEMORANDUM

TO: Mr. William C. Shaw  
MCAMLIS Project Manager

FROM: Philip C. Evenson, Special Projects Advisor

DATE: September 28, 2009

SUBJECT: **PROPOSED PROJECT TO COMPARATIVELY EVALUATE PICTOMETRY  
ACCUPLUS ORTHOPHOTOGRAPHY**

### INTRODUCTION

At the Milwaukee County Automated Mapping and Land Information System (MCAMLIS) Steering Committee meeting held on September 22, 2009, it was agreed that as a part of this Commission's year 2010 regional orthophotographic program, a comparative evaluation be undertaken 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 would be prepared by the firm of Aero-Metric, Inc. of Sheboygan, Wisconsin under the regional program. Federal funds from the Surface Transportation Program would be made available to support the preparation of both products provided that all parties agree to conduct the evaluation.

### PURPOSE

The purpose of the comparative evaluation would be to determine definitively whether or not the Pictometry AccuPlus technology can produce finished orthophotographs that meet national map accuracy standards and meet related criteria concerning such factors as spectral quality, seamline matching, and accurate positions for such features as bridge decks and roadways at over-and-under passes.

### PROPOSED PROJECT ORGANIZATION AND MANAGEMENT

The Regional Planning Commission would manage the proposed comparative evaluation project as an integral part of its year 2010 regional orthophotography program. To oversee and guide the project, the Commission would create a Technical Advisory Committee comprised of representatives of the Pictometry International Corporation; Aero-Metric, Inc.; U.S. Geological Survey; Wisconsin Department of Transportation; the Commission; a land information officer selected from the remainder of the Region; and MCAMLIS. Necessary Committee staff support would be provided by the Regional Planning Commission.

The evaluation Committee would have the responsibility for agreeing on the technical specifications governing the preparation and quality of the finished orthophotography, and for defining the scope of, and for overseeing the conduct of, the comparative evaluation. The evaluation would include the use of field surveyed quality assessment points, and assessment of the spectral quality of the finished orthophotographs considering such factors as color, contrast, brightness, and edge matching. A report would be prepared documenting the conduct and findings of the project.

**PRODUCTS CONCERNED**

The MCAMLIS Steering Committee at its meeting held on September 22, 2009, agreed that the orthophotographics to be comparatively evaluated would consist of six-inch pixel, color, digital orthophotographs suitable for publication and use at a scale of 1-inch equals 100 feet.

**REQUIRING CONCURRENCE AND PROJECT INITIATION**

Please advise us as soon as possible of both your concurrence, and the concurrence of your vendor the Pictometry International Corporation in the purpose, scope, and content of the proposed comparative evaluation project as herein outlined so that the Commission staff can initiate the project in a timely manner. The comparative evaluation project cannot be permitted to delay completion of the contractual arrangements for execution of the Commission's 2010 regional orthophotography program.

\* \* \*

PCE/KWB/lgh  
09/28/09  
#147166 v1 - Pictometry AccuPlus Orthophotography



September 30<sup>th</sup>, 2009

William Shaw  
MCAMLIS Project Manager  
Milwaukee County Land Information Office  
City Campus - Room 426  
2711 W Wells St.  
Milwaukee, WI. 53208

Dear Bill,

This letter confirms our participation on the Technical Advisory Committee for your Spring 2010 Ortho and Oblique imagery flights. In addition to myself, Thom Salter, Senior Photogrammetric Engineer, will also represent Pictometry on the committee.

If there are any preliminary meeting dates or schedules, please forward those to me and we will book our calendars accordingly. We look forward to working with MCAMLIS and SEWRPC on the project.

Best Regards,

A handwritten signature in black ink that reads "Craig Witmer". The signature is fluid and cursive, with a long horizontal stroke at the end.

Craig Witmer  
Vice President, Central Region

**Summary MCAMLIS  
12/02/2009**

<b>MCAMLIS Financial Report</b>	<b>AS OF 9/13/09</b>	<b>AS OF 12/02/09</b>	<b>12/02/09 Request</b>
<b>12/31/08 Balance (Balance Sheet)*</b>	\$ 949,873.62	\$ 949,873.62	\$ 949,873.62
<b>2009 Revenue Activity (YTD)**</b>			
2009 YTD Activity \$1.00	\$ 105,789.00	\$ 133,142.00	\$ 133,142.00
2009 YTD Activity \$4.00	\$ 419,581.00	\$ 526,368.00	\$ 526,368.00
Other Revenue	\$ 940.00	\$ 17,324.00	\$ 17,324.00
<b>Total Revenue YTD 2009</b>	<b>\$ 526,310.00</b>	<b>\$ 676,834.00</b>	<b>\$ 676,834.00</b>
<b>2009 Expenditure Activity (YTD) including Encumbrances</b>			
Personnel Services	\$ -	\$ -	\$ -
Services	\$ 904,898.41	\$ 987,134.70	\$ 987,134.70
Commodities	\$ 1,401.50	\$ 2,428.18	\$ 2,428.18
Capital Outlay	\$ 19,480.00	\$ 1,465.51	\$ 1,465.51
Crosscharges	\$ 195,094.63	\$ 292,424.54	\$ 292,424.54
<b>Total Expenditure YTD 2009</b>	<b>\$ (1,120,874.54)</b>	<b>\$ (1,283,452.93)</b>	<b>\$ (1,283,452.93)</b>
<b>BALANCE AS OF 12/02/09</b>	<b>\$ 355,309.08</b>	<b>\$ 343,254.69</b>	<b>\$ 343,254.69</b>
Remaining Projected Revenues for 2009**	\$ 248,690.00	\$ 48,166.00	\$ 48,166.00
Remaining Projected Expenditures for 2009***	\$ (304,530.46)	\$ (216,952.07)	\$ (216,952.07)
<b>2009 Projected Balance</b>	<b>\$ (55,840.46)</b>	<b>\$ (168,786.07)</b>	<b>\$ (168,786.07)</b>
<b>Remaining Balance (Based on Budget/Projections)</b>	<b>\$ 299,468.62</b>	<b>\$ 174,468.62</b>	<b>\$ 174,468.62</b>

<b>Remaining Unrestricted Balances Based on 12-31-08 Close</b>			
12/31/08 Balance (Balance Sheet)*	\$ 949,873.62	\$ 949,873.62	\$ 949,873.62
Remaining Unrestricted Balance \$1.00 Fee	\$ 240,361.79	\$ 240,361.79	\$ 240,361.79
Remaining Unrestricted Balance \$4.00 Fee	\$ 709,511.83	\$ 709,511.83	\$ 709,511.83

**Outstanding Authorized Commitments (Non-Encumbered) 2009-Onward**

**\$4.00 Fee**

2009 YTD Project Expenditures for \$4 Fee (Encumbrances + Actual)	\$ (908,287.20)	\$ (911,359.32)	\$ (846,359.32)
Additional Authorized Expenditures	\$ (57,270.50)	\$ (29,478.50)	\$ (29,478.50)
2009 \$4 Fee Expenditures YTD	\$ (188,162.77)	\$ (282,352.68)	\$ (282,352.68)
2009 \$4 Fee Remaining Projected Expenditures***	\$ (129,487.23)	\$ (33,831.81)	\$ (33,831.81)
Remaining Unrestricted Balance \$4.00 Fee	\$ 709,511.83	\$ 709,511.83	\$ 709,511.83
2009 YTD Revenue for \$4 Fee	\$ 419,581.00	\$ 526,368.00	\$ 526,368.00
2009 \$4 Fee Remaining Projected Revenues**	\$ 200,419.00	\$ 93,632.00	\$ 93,632.00
Reserve Revenue, not to be expended	\$ (70,000.00)	\$ (70,000.00)	\$ (70,000.00)
<b>Remaining Unrestricted Balance \$4.00 Fee</b>	<b>\$ (23,696.02)</b>	<b>\$ 2,489.52</b>	<b>\$ 67,489.52</b>
<b>Remaining Restricted Balance \$4.00 Fee</b>	<b>\$ 33,574.48</b>	<b>\$ 31,968.02</b>	<b>\$ 96,968.02</b>

**\$1.00 Fee**

2009 YTD Project Expenditures for \$1 Fee (Encumbrances + Actual)	\$ (109,601.42)	\$ (151,443.49)	\$ (151,443.49)
Additional Authorized Expenditures	\$ (87,040.33)	\$ (205,198.26)	\$ (205,198.26)
2009 \$1 Fee Expenditures YTD	\$ (8,333.36)	\$ (12,500.04)	\$ (12,500.04)
2009 \$1 Fee Remaining Projected Expenditures***	\$ (4,166.64)	\$ -	\$ -
Remaining Unrestricted Balance \$1.00 Fee	\$ 240,361.97	\$ 240,361.79	\$ 240,361.79
2009 YTD Revenue for \$1 Fee	\$ 105,789.00	\$ 133,142.00	\$ 133,142.00
2009 \$1 Fee Remaining Projected Revenues**	\$ 49,211.00	\$ 21,858.00	\$ 21,858.00
Reserve Revenue, not to be expended	\$ (17,500.00)	\$ (17,500.00)	\$ (17,500.00)
<b>Remaining Unrestricted Balance \$1.00 Fee</b>	<b>\$ 168,720.22</b>	<b>\$ 8,720.00</b>	<b>\$ 8,720.00</b>
<b>Remaining Restricted Balance \$1.00 Fee</b>	<b>\$ 255,760.55</b>	<b>\$ 213,918.26</b>	<b>\$ 213,918.26</b>

Note: The \$1 Fee Revenue can be used for no other purpose than Register of Deeds projects. Any amount not expended in this manner cannot be used for other MCAMLIS tasks.

\* Balance includes both \$1.00 and \$4.00 fee revenue; Based on data provided by John La Fave and the 2007 ending operating balance, the balance sheet account was divided between the two funds.

\*\* John La Fave provided an updated report on the anticipated number of total documents to be recorded - approximately 145,000 documents; as of 12/1/2009, total revenues for 2009 are anticipated to be \$580,000 for the \$4 fee and \$145,000 for the \$4 fee plus \$4,000 in misc. revenue. This is \$150,000 less than total budgeted revenues or a change of \$50,000 since the 9/22/09 report.

\*\*\* Projected expenditures for 2009 are anticipated to be the budgeted amount for all accounts except for the 6000 accounts - which are covered in the additional authorized expenditure line. This is divided between the \$1 and \$4 fee based on the budgeted amounts.

**Note:** The amount of the reserve fund balance, as determined by the committee, is set at ten percent of current budgeted revenues. This equals \$87,500 in 2009, of which \$70,000 is for the \$4 fee and \$17,500 is for the \$1 fee.

**Summary MCAMLIS  
12/02/2009**

<b>MCAMLIS Financial Report</b>	<b>AS OF 12/2/09</b>	<b>TOTALS</b>
12/31/08 Balance (Balance Sheet)*	\$ 949,873.62	\$ 949,873.62
2009 Revenue Activity (YTD)**		
2009 YTD Activity \$1.00	\$133,142.00	
2009 YTD Activity \$4.00	\$526,368.00	
Other Revenue \$	17,324.00	
<b>Total Revenue YTD 2009</b>		<b>\$676,834.00</b>
<b>2009 Expenditure Activity (YTD) including Encumbrances</b>		
Personnel Services	\$0.00	
Services	\$987,134.70	
Commodities	\$2,428.18	
Capital Outlay	\$1,465.51	
Crosscharges	\$292,424.54	
<b>Total Expenditure YTD 2009</b>		<b>(\$1,283,452.93)</b>
<b>BALANCE AS OF 12-02-09</b>		<b>\$ 343,254.69</b>
Remaining Projected Revenues for 2009**	\$48,166.00	
Remaining Projected Expenditures for 2009***	(\$216,952.07)	
<b>2009 Projected Balance</b>		<b>(\$168,786.07)</b>
<b>Remaining Balance as of 12/02/09 (Based on Budget/Projections)</b>		<b>\$ 174,468.62</b>

**Remaining Unrestricted Balances Based on 12-31-08 Close**

12/31/08 Balance (Balance Sheet)*	\$ 949,873.62
Remaining Unrestricted Balance \$1.00 Fee	\$ 240,361.79
Remaining Unrestricted Balance \$4.00 Fee	\$ 709,511.83

**Outstanding Authorized Commitments (Non-Encumbered) 2009-Onward**

**\$4.00 Fee**

2009 YTD Project Expenditures for \$4 Fee (Encumbrances + Actual)	\$ (911,359.32)
Additional Authorized Expenditures	\$ (29,478.50)
2009 \$4 Fee Expenditures YTD	\$ (282,352.68)
2009 \$4 Fee Remaining Projected Expenditures***	\$ (33,831.81)
Remaining Unrestricted Balance \$4.00 Fee	\$ 709,511.83
2009 YTD Revenue for \$4 Fee	\$ 526,368.00
2009 \$4 Fee Remaining Projected Revenues**	\$93,632.00
Reserve Revenue, not to be expended	\$ (70,000.00)
<b>Remaining Unrestricted Balance \$4.00 Fee</b>	<b>\$ 2,489.52</b>
<b>Remaining Restricted Balance \$4.00 Fee</b>	<b>\$ 31,968.02</b>

**\$1.00 Fee**

2009 YTD Project Expenditures for \$1 Fee (Encumbrances + Actual)	\$ (151,443.49)
Additional Authorized Expenditures	\$ (205,198.26)
2009 \$1 Fee Expenditures YTD	\$ (12,500.04)
2009 \$1 Fee Remaining Projected Expenditures***	\$ -
Remaining Unrestricted Balance \$1.00 Fee	\$ 240,361.79
2009 YTD Revenue for \$1 Fee	\$ 133,142.00
2009 \$1 Fee Remaining Projected Revenues**	\$21,858.00
Reserve Revenue, not to be expended	\$ (17,500.00)
<b>Remaining Unrestricted Balance \$1.00 Fee</b>	<b>\$ 8,720.00</b>
<b>Remaining Restricted Balance \$1.00 Fee</b>	<b>\$ 213,918.26</b>

Note: The \$1 Fee Revenue can be used for no other purpose than Register of Deeds projects. Any amount not expended in this manner cannot be used for other MCAMLIS tasks.

\* Balance includes both \$1.00 and \$4.00 fee revenue; Based on data provided by John La Fave and the 2007 ending operating balance, the balance sheet account was divided between the two funds.

\*\* John La Fave provided an updated report on the anticipated number of total documents to be recorded - approximately 145,000 documents; as of 12/1/2009, total revenues for 2009 are anticipated to be \$580,000 for the \$4 fee and \$145,000 for the \$4 fee plus \$4,000 in misc. revenue. **This is \$150,000 less than total budgeted revenues or a change of \$50,000 since the 9/22/09 report.**

\*\*\* Projected expenditures for 2009 are anticipated to be the budgeted amount for all accounts except for the 6000 accounts - which are covered in the additional authorized expenditure line. This is divided between the \$1 and \$4 fee based on the budgeted amounts.

Note: The amount of the reserve fund balance, as determined by the committee, is set at ten percent of current budgeted revenues. This equals \$87,500 in 2009, of which \$70,000 is for the \$4 fee and \$17,500 is for the \$1 fee.  
Year to Date Dec.02.09.xls

Authorized \$1.00 Fee Projects

\$1.00 Fee Authorized Projects as of 12/2/2009		Amount Authorized	Amount Paid 2002-2008	Amount Paid 2009 YTD	Amount Encumbered 2009	2009 Total Amount Paid (Encumbrances + Actual)	Total Amount Paid for Project (2002-2009)	Remaining Unpaid Balance	Complete
Year Authorized	Project Description								
2002	Large Format Scanner	\$ 13,090.00	\$ 13,090.00	\$ -	\$ -	\$ -	\$ 13,090.00	\$ -	Yes
2003	Improvements to Computer System	\$ 240,000.00	\$ 240,000.00	\$ -	\$ -	\$ -	\$ 240,000.00	\$ -	Yes
2003	Electronic Recording	\$ 45,000.00	\$ 30,550.81	\$ -	\$ -	\$ -	\$ 30,550.81	\$ -	Yes
2003	External Hard Drive/Two SNAP Servers	\$ 40,000.00	\$ 40,000.00	\$ -	\$ -	\$ -	\$ 40,000.00	\$ -	Yes
2003/2005	Digital Images; Conversion of Microfiche	\$ 400,000.00	\$ 400,000.00	\$ -	\$ -	\$ -	\$ 400,000.00	\$ -	Yes
2005	Scanning A Card	\$ 50,000.00	\$ 50,000.00	\$ -	\$ -	\$ -	\$ 50,000.00	\$ -	Yes
2005	Improvements to Computer System II	\$ 450,000.00	\$ 450,000.00	\$ -	\$ -	\$ -	\$ 450,000.00	\$ -	Yes
2007	Improvements to Computer System III	\$ 150,000.00	\$ 150,000.00	\$ -	\$ -	\$ -	\$ 150,000.00	\$ -	Yes
2008	Improvements to Computer System IV	\$ 150,000.00	\$ 73,358.25	\$ 75,010.20	\$ 1,631.55	\$ 76,641.75	\$ 150,000.00	\$ -	Yes
2009	Improvements to Computer System V	\$ 120,000.00	\$ -	\$ 74,801.74	\$ -	\$ 74,801.74	\$ 74,801.74	\$ 45,198.26	No
2009	Improvements to Computer System VI	\$ 95,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 95,000.00	No
2009	Enterprise Address System*	\$ 65,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,000.00	No
<b>Total</b>		<b>\$1,818,090.00</b>	<b>\$1,446,999.06</b>	<b>\$149,811.94</b>	<b>\$1,631.55</b>	<b>\$151,443.49</b>	<b>\$1,598,442.55</b>	<b>\$205,198.26</b>	

Data from John La Fave, Register of Deeds as of 9/10/09

**NOTES**

\* On September 22, 2009, the MCAMLLIS Steering Committee authorized expenditure authority for the Enterprise Address System for \$65,000.

\$4 Fee Summary

2009 Outstanding Commitments as of 12/2/2009

Organization 1923-Automated Land Information System  
\$4.00 Fee

Vendor Name	Description	Amount Authorized	Amount Paid - Prior Years	2009 Amount Encumbered	Amount Paid 2009 YTD	Total Amount Paid 2009 (Encumbrances + Actual)	Remaining Unpaid Balance
SOUTHEASTERN WI REGIONAL	MCAMLIS Floodland Mapping Phase 1	\$ 206,000.00	\$ 195,096.88	\$ -	\$ 10,903.12	\$ 10,903.12	\$ -
SOUTHEASTERN WI REGIONAL	MCAMLIS Floodland Mapping Phase 2	\$ 436,000.00	\$ 24,000.00	\$ 319,350.00	\$ 92,650.00	\$ 412,000.00	\$ -
SOUTHEASTERN WI REGIONAL	County Surveyor (per year)	\$ 77,175.00	\$ -	\$ -	\$ 77,175.00	\$ 77,175.00	\$ -
SOUTHEASTERN WI REGIONAL	Topographic Mapping Project**	\$ 3,264,304.00	\$ 3,212,785.00	\$ -	\$ 51,519.00	\$ 51,519.00	\$ -
CITY OF MILWAUKEE	Cadastral Address Maintenance (per year*)	\$ 83,652.00	\$ -	\$ 20,913.00	\$ 62,739.00	\$ 83,652.00	\$ -
MILWAUKEE COUNTY	Enterprise Address System***	\$ 207,000.00	\$ 148,667.30	\$ 47,322.26	\$ 76,010.44	\$ 123,332.70	\$ (65,000.00)
MILWAUKEE COUNTY	North Shore Fire Department	\$ 10,000.00	\$ 2,900.00	\$ -	\$ 7,100.00	\$ 7,100.00	\$ -
Quarles & Brady	Copyright Review**	\$ 10,000.00	\$ -	\$ -	\$ 5,477.50	\$ 5,477.50	\$ 4,522.50
Pictometry	Oblique Imagery Technology	\$ 98,590.00	\$ 52,458.00	\$ -	\$ 46,132.00	\$ 46,132.00	\$ -
Latitude	Server Design	\$ 35,000.00	\$ 35,000.00	\$ -	\$ -	\$ -	\$ -
Lidar Project		\$ 10,000.00	\$ -	\$ -	\$ 5,068.00	\$ 5,068.00	\$ 4,932.00
MILWAUKEE COUNTY	Internet Access to Plats of Survey****	\$ 89,000.00	\$ -	\$ 81,932.10	\$ 7,067.90	\$ 89,000.00	\$ -
MILWAUKEE COUNTY	2010 Orthophotography Comparative Study	\$ 85,024.00	\$ -	\$ -	\$ -	\$ -	\$ 85,024.00
	<b>TOTAL</b>	<b>\$ 4,611,745.00</b>	<b>\$ 3,670,907.18</b>	<b>\$ 469,517.36</b>	<b>\$ 441,841.96</b>	<b>\$ 911,359.32</b>	<b>\$ 29,478.50</b>

Data from Milwaukee County Advantage System and Gary Drent, A&E as of November 2009.

Notes

\*Per Year authorizations are reauthorized each year therefore they do not include prior year expenditures or authorizations.

\*\* On September 30, 2008 the MCAMLIS Steering Committee authorized two additional expenditure authorities for existing projects: \$7,500 for the Copyright Review project and \$11,594 for the Topographical Mapping Project.

\*\*\* On March 24, 2009 the MCAMLIS Steering Committee authorized \$65,000 of additional expenditure authority for the Enterprise Address System. On September 22, 2009, the MCAMLIS Steering Committee authorized reducing expenditure authority by \$65,000 BUT increasing expenditure authority in the \$1 fee by the same for this project.

\*\*\*\* On September 22, 2009, the MCAMLIS Steering Committee reduced the amount authorized for the Internet Access to Plats of Survey by \$47,000 pursuant to the recommendation of the MCAMLIS project manager.

\*\*\*\*\* On September 22, 2009, the MCAMLIS Steering Committee authorized expenditure authority of \$85,024 for the Orthophotography project.

12/7/2009

2009 Fiscal Report as of 12/2/09 - MCAMLIS					
Rev / Exp	Revenue / Expense Name	Budget Amount	Actual Amount	Encumbrance	Net Amount
3237	RETAINED FEES --\$4.00 PORTION	\$ 700,000.00	\$ 526,368.00	\$ -	\$ (173,632.00)
3238	RETAINED FEES --\$1.00 PORTION	\$ 175,000.00	\$ 133,142.00	\$ -	\$ (41,858.00)
	<b>RECORD &amp; FILING FEES</b>	\$ 875,000.00	\$ 659,510.00	\$ -	\$ (215,490.00)
4999	OTHER MISC REVENUE	\$ 4,000.00	\$ 17,324.00	\$ -	\$ 13,324.00
	<b>OTHER REVENUE</b>	\$ 4,000.00	\$ 17,324.00	\$ -	\$ 13,324.00
	<b>Total Revenues</b>	\$ 879,000.00	\$ 676,834.00	\$ -	\$ (202,166.00)
5001	DIRECT LABOR CHARGED	\$ -	\$ -	\$ -	\$ -
	<b>PERSONAL SERVICES</b>	\$ -	\$ -	\$ -	\$ -
6080	POSTAGE	\$ 500.00	\$ 87.22	\$ -	\$ 412.78
6147	PROF. SERV.-DATA PROCESS	\$ 35,000.00	\$ 19,257.75	\$ 6,978.15	\$ 8,764.10
6148	PROF. SERV-RECURRING OPER	\$ 1,116,605.00	\$ 554,556.08	\$ 389,338.10	\$ 172,710.82
6637	R/M COMPUTER EQUIP	\$ 12,150.00	\$ 12,707.23	\$ -	\$ (557.23)
6812	MEETINGS OTHER AUTH TRAVL	\$ 6,000.00	\$ 4,210.17	\$ -	\$ 1,789.83
6999	SUNDRY SERVICES	\$ -	\$ -	\$ -	\$ -
	<b>SERVICES</b>	\$ 1,170,255.00	\$ 590,818.45	\$ 396,316.25	\$ 183,120.30
7915	COMPUTER SOFTWARE	\$ 6,102.00	\$ 2,428.18	\$ -	\$ 3,673.82
	<b>COMMODITIES</b>	\$ 6,102.00	\$ 2,428.18	\$ -	\$ 3,673.82
8558	COMPUTER EQUIPMENT-REPL>\$500	\$ 19,480.00	\$ 1,465.51	\$ -	\$ 18,014.49
	<b>CAPITAL OUTLAYS</b>	\$ 19,480.00	\$ 1,465.51	\$ -	\$ 18,014.49
9706	PRO SERV DIV SERVICES	\$ 279,568.00	\$ 267,424.46	\$ -	\$ 12,143.54
9742	DAS SERVICES	\$ 25,000.00	\$ 25,000.08	\$ -	\$ (0.08)
	<b>CROSSCHARGES</b>	\$ 304,568.00	\$ 292,424.54	\$ -	\$ 12,143.46
	<b>Total Expenses</b>	\$ 1,500,405.00	\$ 887,136.68	\$ 396,316.25	\$ 216,952.07
	<b>Grand Totals</b>	\$ (621,405.00)	\$ (210,302.68)	\$ (396,316.25)	\$ 14,786.07

<b>Balance Sheet Account Reconciliation</b>		
2007 Ending Balance		1,395,572.97
2008 Fund Transfer		(600,000.00)
2008 Year End Balance		154,300.65
		<b>949,873.62</b>
<b>\$4 Fee Balance Sheet</b>		
2007 Balance		1,098,594.15
2008 Adjustment (Fund Transfer)		(600,000.00)
2008 Year End Balance		210,917.68
		<b>709,511.83</b>
<b>\$1 Fee Balance Sheet</b>		
2007 Balance		296,978.82
2008 Adjustment (Fund Transfer)		0.00
2008 Year End Balance		(56,617.03)
		<b>240,361.79</b>
<b>Reconciliation with 2008 Year End Balance</b>		
2008 Year End Balance as Reported		651,141.62
Prior Year Encumbered Funds		546,405.00
		<b>1,197,546.62</b>

3470 Land Records Modernization

R3 SUMMARY AND DETAIL

SV	Services	\$147,500
XC	Crosscharges - Service Chgs	<u>\$2,500</u>
TOTEXP	Total Expenditures	\$150,000

OD	Other Direct Revenue	<u>\$150,000</u>
TOTREV	Total Revenues	\$150,000

LEVY	Property Tax Levy	\$0
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6148	Prof. Serv-Recurring Oper	\$147,500
9742	DAS Services	\$2,500
3238	Retained Fees-\$1 Portion	\$150,000

5084 MCAMLIS Operations (A&E)

R3 SUMMARY AND DETAIL

PS	Personal Services	\$245,040
SV	Services	\$288,050
CM	Commodities	\$830
DD	Debt & Depreciation	\$1,095
CP	Capital Outlay	\$20,000
AC	Capital Contra	\$0
XC	Crosscharges - Service Chgs	\$94,985
AB	Crosscharges - Abatements	\$0
TOTEXP	Total Expenditures	<u>\$650,000</u>
OD	Other Direct Revenue	\$610,000
IR	Indirect Revenue	\$40,000
TOTREV	Total Revenues	<u>\$650,000</u>
LEVY	Property Tax Levy	\$0
5199	Salaries-Wages Budget	\$122,151
5312	Social Security Taxes	\$9,413
5407	OPEB Liability	\$29,024
5420	Employee Health Care	\$27,195
5421	Employee Pension	\$21,899
5422	Legacy Healthcare	\$25,139
5423	Legacy Pension	\$10,219
6050	Contract Pers Serv-Short	\$10,000
6080	Postage	\$500
6147	Prof. Serv.-Data Process	\$35,000
6148	Prof. Serv-Recurring Oper	\$213,253
6336	Internet Expenses	\$297
6637	R/M Computer Equip	\$22,700
6803	Auto Allowance	\$300
6812	Meetings Other Auth Travl	\$6,000
7910	Office Supplies	\$630
7917	DP Supplies	\$200
8010	Depreciation-System	\$1,095
8558	Computer Equip-Repl-(cap)	\$20,000
8590	Capital Outlay-Contra	\$0
9702	Technical Support & Infrastructure	\$6,829
9706	Prof Serv Div Services	\$42,171
9719	Risk Management Services	\$171
9742	DAS Services	\$2,500
9768	Application Chgs - Network	\$2,632
9769	Application Chgs - Mainframe	\$134
9771	HRIS Allocation	\$905
9774	Worker Comp Med and WC Pay	\$745
9776	Telephone Allocation	\$681
9777	Insurance Services	\$8,985
9778	Worker's Compensation Adm	\$126
9779	Central Service Allocation	\$2,743
9781	CH Complex Space Rental	\$25,363
9788	PC Charges	\$1,000
3237	Retained Fees-\$4 Portion	\$605,000
4999	Other Misc Revenue	\$5,000
3806	Serv Provided - Professional Services	\$0
3896	Serv Prov - GIS Charges	\$40,000

## AGREEMENT

**THIS AGREEMENT**, entered into this \_\_\_\_ day of \_\_\_\_\_, 2009, by and between the Southeastern Wisconsin Regional Planning Commission (hereinafter referred to as the “Commission”); and the Milwaukee County Automated Mapping and Land Information System Steering Committee (hereinafter referred to as the “Steering Committee”).

### WITNESSETH:

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

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

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

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

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

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

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

I. Scope of Work

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

- A. Record and maintain a file of all land survey plats prepared by land surveyors for parcels in Milwaukee County. An estimated 2,000 such land surveys are prepared and filed annually. Such surveys are essential to the maintenance effort required to keep the MCAMLIS cadastral maps up-to-date.
- B. Perpetuate the corners of the U.S. Public Land Survey system throughout Milwaukee County. Such corners frequently are subject to destruction, removal, and burial through construction or other activities. The perpetuation work includes periodic inspection of the system of approximately 2,200 monuments and attendant reference benchmarks and witness marks, the removal and/or replacement of such monuments and reference benchmarks and witness marks either directly or through the supervision of others conducting such activities, and undertaking both horizontal and vertical control surveys to ensure the integrity of the reference framework that is critical to the automated mapping base established for Milwaukee County. An estimated 100 monuments and benchmarks are serviced annually.
- C. Provide guidance and counsel to the Milwaukee County Automated Mapping and Land Information System Steering Committee through service on that committee.
- D. Provide technical support and guidance to the staff assigned to develop and maintain the Milwaukee County automated mapping and land information system program.

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

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

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

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

- III. Commission to Act as Custodian for all Milwaukee County Surveyor Records  
The Commission agrees to maintain for inspection and copying as public documents, all records associated with its functions as the Milwaukee County Surveyor. The Commission further agrees to provide access to the data contained in the five lists identified in paragraph 2 above through its Regional Land Information website.
- IV. Steering Committee to Receive Copies of Records  
The Commission shall furnish to the Steering Committee, as necessary for the pursuit of its responsibilities, copies of the records created and maintained by the Milwaukee County Surveyor.
- V. Compensation  
The Steering Committee through Milwaukee County shall pay to the Commission the sum of \$77,175 as full payment for the services described herein.
- VI. Method of Compensation  
The Commission shall submit a single invoice in the amount of \$77,175 to Milwaukee County. The County, on behalf of the Steering Committee, shall pay to the Commission the amount shown on the invoice upon receipt of said invoice.
- VII. Timing  
The work to be performed under this Agreement shall be carried out over the period from January 1, 2010, through December 31, 2010.
- VIII. Indemnity  
Except for acts done or taken at the direction of or pursuant to the Steering Committee policy or procedures, the Commission agrees to the fullest extent permitted by law, to indemnify, defend and hold harmless, the Steering Committee, and its agents, officers, and employees from and against all loss or expense including costs and attorney's fees by reason of statutory benefits under Worker Compensation Laws, and/or liability for damages including suits at law or in equity, caused by any wrongful, intentional, or negligent act or omission of the Commission, or its agents which may arise out of or are connected with the activities covered by this agreement.
- IX. Insurance  
The Commission, as an agency of the State, is self-funded for liability under Section 893.82 and Section 895.46(1) of the *Statutes*. As a result, such protection as is afforded under respective *Wisconsin Statutes*, is applicable to officers, employees, and agents while acting within the scope of their employment or agency. Since this is statutory indemnification, there is no liability policy as such that can extend protection to any other.
- X. Records and Audits  
The Commission shall allow Milwaukee County, the Milwaukee County Department of Audit, or any other party that Milwaukee County may name, when and as they demand, to audit, examine, and make copies of, excerpts or transcripts from, any records or other information directly relating to matters under this agreement. Any subcontracting by the

Commission in performing the duties described under this contract shall subject the subcontractor and/or associates to the same audit terms and conditions as the Commission. The Commission (or any subcontractor) shall maintain and make available to Milwaukee County the aforementioned audit information for no less than three years after the conclusion of each contract term.

XI. Independent Contractor

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

XII. Authorization

The Steering Committee approved the execution of this Agreement by action taken on \_\_\_\_\_, 2009.

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

**ATTESTING WITNESS**

By \_\_\_\_\_  
Kenneth R. Yunker  
Deputy Secretary

**SOUTHEASTERN WISCONSIN  
REGIONAL PLANNING COMMISSION**

By \_\_\_\_\_  
David L. Stroik  
Chairman

**ATTESTING WITNESS**

By \_\_\_\_\_  
William C. Shaw  
MCAMLIS Project Manager

**MILWAUKEE COUNTY**

By \_\_\_\_\_  
Jack Takerian, Director  
Department of Transportation  
and Public Works

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

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

**APPROVED AS TO FORM**

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

**REVIEWED AS TO INDEMNIFICATION AND INSURANCE**

By \_\_\_\_\_  
Jason Gates (Date)  
Risk Manager

**APPROVED AS TO CHAPTER 42 DBE PROVISIONS**

\_\_\_\_\_  
Frieda F. Webb, Director (Date)  
Milwaukee County Office of Community  
Business Development Partners

**AGREEMENT**

between

**THE CITY OF MILWAUKEE DEPARTMENT OF ADMINISTRATION, INFORMATION AND TECHNOLOGY  
MANAGEMENT DIVISION AND THE MILWAUKEE COUNTY AUTOMATED MAPPING AND LAND  
INFORMATION SYSTEM STEERING COMMITTEE**

**THIS AGREEMENT**, entered into this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_, by and between the City of Milwaukee Department of Administration, Information and Technology Management Division (hereinafter referred to as the " City"); and the Milwaukee County Automated Mapping and Land Information System Steering Committee (hereinafter referred to as the "Steering Committee").

**WITNESSETH:**

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

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

**WHEREAS**, by resolution adopted on November 8, 1990, the Milwaukee County Board of Supervisors, working in cooperation with the utilities concerned, created a public-private partnership to implement the proposed Milwaukee County automated mapping and land information system, including creation of a Steering Committee to provide oversight in the implementation of the system recommended in SEWRPC Community Assistance Planning Report No. 177; and

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

**WHEREAS**, the City Chief Information Officer serves as a member of the aforementioned Steering Committee and the City actively participates in implementation of the MCAMLIS; and

**WHEREAS**, the City desires the financial support of the MCAMLIS program to maintain the cadastral maps within the City of Milwaukee to ensure conformance with selected MCAMLIS standards; and

**WHEREAS**, on August 26, 1999, the City, the Steering Committee, and the Commission, through an assignment, entered into an Intergovernmental Cooperation Agreement (ICA) whereby the City would provide technical services to the Steering Committee; and

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

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

I. Scope of Work

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

The City will provide professional and technical information technology services. This will include maintenance on cadastral maps and the street address database in the adopted Milwaukee County geodatabase format. Copies of the data will be delivered to the MCAMLIS project manager at a minimum bi-annually. This arrangement will allow data collected and housed at the City of Milwaukee to be maintained in the same format that the County of Milwaukee uses to store and retrieve the MCAMLIS cadastral data.

Should software data transfer protocols and standards be developed, the City will work with Milwaukee County staff to deliver the cadastral and street address data on a more frequent basis.

II. Timing

All services to be performed under this Agreement shall be carried out over the period beginning January 1, 2010, and ending on December 31, 2010.

III. Compensation to City

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

SERVICES PROVIDED	AMOUNT
MCAMLIS Cadastral and Street Address Database Maintenance	\$ 86,352
Annual software maintenance	1,500
<b>Total</b>	<b>\$ 87,852</b>

IV. Method of Compensation

Compensation is to be provided to the Department of Administration Information and Technology Management Division (ITMD) for services performed through the County MCAMLIS Program Org. 1923. ITMD will request on a quarterly (March 31, June 30, September 30, December 31) basis reimbursement for said services provided.

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

V. Support and Materials to be Provided by Others

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

VI. Ownership of Data

As the funds that are to be paid to the City for carrying out the herein described and required work are MCAMLIS project funds, the City agrees to share the data. The City, however, will retain sole ownership of all map files as they exist in the City digital structure. As a condition of receiving payment from MCAMLIS, the City agrees that MCAMLIS will be free to use, reproduce, modify, display, and distribute the digital map files in the MCAMLIS digital structure.

The City will retain a nonexclusive, irrevocable and perpetual license to use and distribute the digital map files to any parties it desires.

VII. Subcontracts

Although the City does not anticipate use of subcontractors, the City agrees to bring any such subcontracts to the Steering Committee for its approval prior to execution.

VIII. Indemnity

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

IX. Authorization

The Steering Committee approved the execution of this Agreement by action taken on December 8<sup>th</sup>, 2009.



**MILWAUKEE COUNTY FISCAL NOTE FORM**

**DATE:** 12/7/09

Original Fiscal Note

Substitute Fiscal Note

**SUBJECT:** Request for funds for Various Contracts for 2010 MCAMLIS

**FISCAL EFFECT:**

No Direct County Fiscal Impact

Existing Staff Time Required

Increase Operating Expenditures

(If checked, check one of two boxes below)

Absorbed Within Agency's Budget

Not Absorbed Within Agency's Budget

Decrease Operating Expenditures

Increase Operating Revenues

Decrease Operating Revenues

*Indicate below the dollar change from budget for any submission that is projected to result in increased/decreased expenditures or revenues in the current year.*

	<b>Expenditure or Revenue Category</b>	<b>Current Year (2009)</b>	<b>Subsequent Year (2010)</b>
<b>Operating Budget</b>	Expenditure	0	\$4,200
	Revenue	0	0
	Net Cost	0	\$4,200
<b>Capital Improvement Budget</b>	Expenditure		
	Revenue		
	Net Cost		

## DESCRIPTION OF FISCAL EFFECT

**In the space below, you must provide the following information. Attach additional pages if necessary.**

- A. Briefly describe the nature of the action that is being requested or proposed, and the new or changed conditions that would occur if the request or proposal were adopted.
  - B. State the direct costs, savings or anticipated revenues associated with the requested or proposed action in the current budget year and how those were calculated. If annualized or subsequent year fiscal impacts are substantially different from current year impacts, then those shall be stated as well. In addition, cite any one-time costs associated with the action, the source of any new or additional revenues (e.g. State, Federal, user fee or private donation), the use of contingent funds, and/or the use of budgeted appropriations due to surpluses or change in purpose required to fund the requested action.
  - C. Discuss the budgetary impacts associated with the proposed action in the current year. A statement that sufficient funds are budgeted should be justified with information regarding the amount of budgeted appropriations in the relevant account and whether that amount is sufficient to offset the cost of the requested action. If relevant, discussion of budgetary impacts in subsequent years also shall be discussed. Subsequent year fiscal impacts shall be noted for the entire period in which the requested or proposed action would be implemented when it is reasonable to do so (i.e. a five-year lease agreement shall specify the costs/savings for each of the five years in question). Otherwise, impacts associated with the existing and subsequent budget years should be cited.
  - D. Describe any assumptions or interpretations that were utilized to provide the information on this form.
- A. The MCAMLIS Steering Committee is considering approval of various contracts for 2010. They include the following:
- a) City of Milwaukee Department of Administration, Information and Technology Management Division for professional and technical information technology services including maintenance on cadastral maps and street address database - \$87,852. The amount included in the 2010 budget was \$83,652 therefore this contract is increased \$4,200 over the budget and will be funded with \$4 fee revenues in 2010.
  - b) Southeastern Wisconsin Regional Planning Commission for professional staff services as necessary to act in the capacity of County Surveyor, record and maintain a file of all land survey plats, perpetuate the corners of the US Public Land Survey system throughout Milwaukee County, provide guidance, counsel and technical support to staff - \$77,175.
- B. & C. See above. Each of the above-mentioned contracts are included in the 2010 Adopted MCAMLIS Budget. The contract for the City of Milwaukee is \$4,200 more than the budgeted amount therefore \$4 fee revenue will need to be used to fund the additional charge. No other additional funds are needed at this time.
- D. No assumptions other than the reported cost of the contracts were made for this report. It is assumed there are no additional costs in future years.

**Prepared By:** William Shaw, DTPW Milwaukee County Land Information Office



**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:** December 7, 2009  
**SUBJECT:** COMMUNITY DEVELOPMENT BLOCK GRANT - EMERGENCY ASSISTANCE PROGRAM (CDBG-EAP) GRANT REQUEST TO OBTAIN LiDAR IMAGE DATA

## **BACKGROUND**

Federal monies are 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 are 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 5<sup>th</sup> and July 25<sup>th</sup>, 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.

Earlier, the MCAMLIS Steering Committee authorized staff to enter into a partnership agreement with UWM to co-sponsor acquisition of LiDAR data within three pilot test area(s). The LiDAR products that were subsequently developed within the proposed pilot test areas were used to determine the suitability of LiDAR to guide the maintenance of topographic and planimetric features that have been mapped and distributed by MCAMLIS.

A MCAMLIS Staff Report regarding the feasibility and value of using LiDAR technology in support of detecting topographic mapping change and accuracy was presented to the MCAMLIS Steering Committee and placed on file at its September 22<sup>nd</sup> 2009. It included a staff recommendation regarding future use and direction of LiDAR technology for purposes of MCAMLIS topographic work products.

The report determined that LiDAR's derived elevation data was found to be comparable in accuracy to that of data compiled through traditional photogrammetric means. This was established in a MCAMLIS Staff Report "LiDAR Report #2: An Evaluation of LiDAR Products as a Source for MCAMLIS Topographic Data". The report found that there appears to be at least one advantage of LiDAR over traditional photogrammetry: the "smoothness" in which surfaces are modeled, offering a representation of ground terrain that is more uniform and resolvable than a surface created from photogrammetric sources. The report further recommended that, assuming practical considerations such as cost are acceptable, LiDAR products should be

adopted as the source of terrain data and other elevation-based digital products including the production of contours.

Although the report is not exhaustive by any means it does provide reasonable evidence that further use of LiDAR is warranted especially if cost is not an issue. Notwithstanding the CDBG-EAP grant offers an opportunity for MCAMLIS to extend the use of LiDAR within Milwaukee County and to meet the requirements of the grant at little or no cost to the MCAMLIS Project.

## **GRANT REQUIREMENTS**

The Milwaukee County CDBG-EAP grant application (attached) was submitted to the Wisconsin State Department of Commerce prior to the 12/4/2009 deadline. In so doing the MCAMLIS Staff assisted in formulating a recommended approach that emphasizes 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 topographic mapping products throughout Milwaukee County.

The CDBG-EAP grant award requirements affecting the MCAMLIS Steering Committee are included here:

- 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;
  - the MCAMLIS Project Manager, guided by the MCAMLIS Steering Committee acts to nominate members to the Citizen Participation Committee such that the membership reflects the demographic makeup of the Milwaukee County, fosters access for low to medium income (LMI) residents; and accommodates non-English speaking participation;
  - the Citizen Participation Committee holds a Public hearing on January 5<sup>th</sup> 2010, 9:00am, 2711 W. Wells Room 349, Milwaukee WI.; and
  - the CPP is adopted by the Milwaukee County Board at its January 2010 meeting.

## **RECOMMENDATION**

Staff recommends that:

1. the MCAMLIS Steering Committee direct 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 approve 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.

Attach: Milwaukee County CDBG – EAP Grant Application submitted 12/3/2009 to the Wisconsin Department of Commerce Bureau of Community Finance

\*\*\*\*\*

## MILWAUKEE COUNTY FISCAL NOTE FORM

**DATE:** 12/7/09

Original Fiscal Note

Substitute Fiscal Note

**SUBJECT:** Community Development Block Grant - Emergency Assistance Program (CDBG-EAP) Grant to acquire LiDAR derived data products used to improve Floodplain Mapping

**FISCAL EFFECT:**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> No Direct County Fiscal Impact<br><input checked="" type="checkbox"/> Existing Staff Time Required<br><input checked="" type="checkbox"/> Increase Operating Expenditures<br>(If checked, check one of two boxes below)<br><input checked="" type="checkbox"/> Absorbed Within Agency's Budget<br><input type="checkbox"/> Not Absorbed Within Agency's Budget<br><br><input type="checkbox"/> Decrease Operating Expenditures<br><br><input type="checkbox"/> Increase Operating Revenues<br><br><input type="checkbox"/> Decrease Operating Revenues | <input type="checkbox"/> Increase Capital Expenditures<br><br><input type="checkbox"/> Decrease Capital Expenditures<br><br><input type="checkbox"/> Increase Capital Revenues<br><br><input type="checkbox"/> Decrease Capital Revenues<br><br><input type="checkbox"/> Use of contingent funds |
|--|--|

*Indicate below the dollar change from budget for any submission that is projected to result in increased/decreased expenditures or revenues in the current year.*

	Expenditure or Revenue Category	Current Year	Subsequent Year
<b>Operating Budget</b>	Expenditure	0	0
	Revenue	0	0
	Net Cost	0	0
<b>Capital Improvement Budget</b>	Expenditure	0	
	Revenue	0	
	Net Cost	0	

## DESCRIPTION OF FISCAL EFFECT

In the space below, you must provide the following information. Attach additional pages if necessary.

- A. Briefly describe the nature of the action that is being requested or proposed, and the new or changed conditions that would occur if the request or proposal were adopted.
- B. State the direct costs, savings or anticipated revenues associated with the requested or proposed action in the current budget year and how those were calculated.<sup>1</sup> If annualized or subsequent year fiscal impacts are substantially different from current year impacts, then those shall be stated as well. In addition, cite any one-time costs associated with the action, the source of any new or additional revenues (e.g. State, Federal, user fee or private donation), the use of contingent funds, and/or the use of budgeted appropriations due to surpluses or change in purpose required to fund the requested action.
- C. Discuss the budgetary impacts associated with the proposed action in the current year. A statement that sufficient funds are budgeted should be justified with information regarding the amount of budgeted appropriations in the relevant account and whether that amount is sufficient to offset the cost of the requested action. If relevant, discussion of budgetary impacts in subsequent years also shall be discussed. Subsequent year fiscal impacts shall be noted for the entire period in which the requested or proposed action would be implemented when it is reasonable to do so (i.e. a five-year lease agreement shall specify the costs/savings for each of the five years in question). Otherwise, impacts associated with the existing and subsequent budget years should be cited.
- D. Describe any assumptions or interpretations that were utilized to provide the information on this form.

- A. The DTPW Interim Director is requesting authorization to apply for and accept , if awarded , a grant from the Wisconsin Small Cities Community Development Block Grant-Emergency Assistance Program
- B. If the grant is awarded, the grant will be used to acquire countywide LiDAR data to be used to help improve Floodplain Mapping activities already underway. There is no net cost increase to Milwaukee County.
- C. There is no match requirement. Grant funds are made available for the sole purpose of obtaining LiDAR derived data products including the formulation of FEMA certified 'Accuracy Assessment' reports used in establishing areas included within the Milwaukee County floodplain as currently described in the approved FEMA/FIRM mapping or modified by the applied use of this data along with other initiatives currently underway and paid for by the MCAMLIS Floodplain Mapping Project. We will seek funding based the cost of acquiring LiDAR derived products and will not expend additional county resources other than those that may be authorized separately by the MCAMLIS Steering Committee regarding its interest in further Milwaukee County Floodplain Mapping efforts.
- D. The amount requested will be sufficient to to acquire new LiDAR Data products or supplemented by local community funded interests if additional funds are required due to a reduction in the grant award as determined by the CDBG-EAP grant process.

Department/Prepared By DTPW Land Information Office - William Shaw

Approved by:

---

<sup>1</sup> If it is assumed that there is no fiscal impact associated with the requested action, then an explanatory statement that justifies that conclusion shall be provided. If precise impacts cannot be calculated, then an estimate or range should be provided.

---

Jack Takerian, Interim Director  
Transportation & Public Works

---

Greg High, Director  
DTPW-AE&ES

Did DAS-Fiscal Staff Review?

Yes

No

Reviewed With:



Milwaukee County Board of Supervisors

Lee Holloway

Chairman of the Board

December 2, 2009

Caryn A. Stone  
Department of Commerce, Division of Housing & Community Development  
201 W. Washington Ave.  
Madison, WI 53707-7970

Subject: Application for LiDAR data acquisition to be used to update Floodplain Mapping

Dear Ms. Stone,

Please accept this letter as part of Milwaukee County's application for Community Development Block Grant funds to be used for the acquisition of LiDAR derived elevation data. I understand that funds are available through the 2nd 2008 Federal Supplemental Allocation for the 2008 flooding events. Milwaukee County proposes to use these funds to acquire new elevation data that meet all the FEMA standards for floodplain mapping. The intention is that these data will be used to increase the accuracy of the floodplain maps so that they better reflect the minor changes in the topography along stream corridors in our county.

The cost to collect, process and document these data are based on \$330 per square mile for a total cost of \$79,860 based on 242 square miles in Milwaukee County. There will also be an additional fee to create accuracy and quality control reports that meet FEMA criteria and this has a flat fee of \$14,520.

I realize the accuracy and quality control reports are an essential deliverable for this project and it is critical that they are collected and produced following FEMA standards outlined in Appendix A of their Guidelines and Specifications for Mapping Partners. Final data deliverables will include:

- 1<sup>st</sup> through 3<sup>rd</sup> returns at Nominal Pulse Spacing (NPS) of .7m
- Digital Elevation Model (DEM) and Digital Surface Model (DSM)
- Hydro enforced breaklines, Plainmetric breaklines and 1 ft. contours
- Bare earth points and breaklines certified to a exceed vertical accuracy of 1.2ft at 95-percent confidence level and compiled to exceed a minimum 19-foot horizontal accuracy at 95-percent confidence level.
- FGDC compliant metadata
- An accuracy report that follows FEMA guidelines meeting NSSDA standards with the correct number and type of ground control points.

Many of my colleagues on the County Board and I feel that the following circumstances make Milwaukee County a good candidate for these funds:

1. Floodplain and floodway studies are currently underway and funded locally (over \$464,000 will be contributed to floodplain and floodway mapping through 2010)
2. High-precision LiDAR data will compliment and improve the utility of planned 2010 orthophotography
3. LiDAR project costs included in this request are reasonable and of high-precision due to leveraging related projects funded separately for the capture of 2010 orthophotography and oblique imagery
4. Milwaukee County's record of high quality mapping project management for more than 15 years
5. Capability to readily use maps.milwaukeecounty.org to immediately display and deploy improved basemap products and FEMA reports

Sincerely,

A handwritten signature in black ink that reads "Lee Holloway".

Lee Holloway,  
Chairman, Milwaukee County Board of Supervisors

Courthouse - Room 201 • 901 North 9th Street • Milwaukee, WI 53233

Phone: 414-278-4261 • Fax: 414-223-1935 • E-Mail: lee.holloway@milwcnty.com

Cc: Jack Takarian, Interim Director Milwaukee County DTPW  
Fay Roberts, Assistant Director Milwaukee County DTPW  
MCAMLIS Steering Committee  
Milwaukee County Board

Attach::

1. A copy of the Citizen Participation Plan
2. Combined Citizen Participation Plan adoption resolution and applicant authorizing submission of the application resolution
3. A copy of the notice for the public hearing scheduled for 1/6/2010
4. A copy of the current, adopted Fair Housing Resolution
5. A copy of the Potential Fair Housing Actions sheet with at least one activity circled
6. A signed copy of the Statement of Assurances
7. A signed copy of the Certification for Contracts, Grants, Loans and Cooperative Agreements (lobbying certification)
8. A map of the community indicating where the proposed activities will take place.

SECTION V

APPLICATION FOR CDBG-EAP FUNDS

Applicant(s) Name: MILWAUKÉE COUNTY

Check here if you are submitting a joint application

FEIN #: 396005720

E-mail: bill.shaw@milwcnty.com Fax: (414) 223-1982

Date of Disaster: June 5 through July 25, 2008

Mailing Address:

<u>2711 W. Wells St</u>	<u>Milwaukee, WI</u>	<u>53208</u>
Street/Box	City/Village	Zip

Physical Location, if different from above:

<u>Street/Box</u>	<u>City/Village</u>	<u>Zip</u>	<u>Phone</u>
-------------------	---------------------	------------	--------------

Contact Person:

<u>William Shaw</u>	<u>MCAMLIS PROJECT MANAGER</u>
Name	Title

Address:

<u>2711 W. Wells St</u>	<u>Milwaukee, WI</u>	<u>53208</u>	<u>(414) 278-2176</u>
Street/Box	City/Village	Zip	Phone

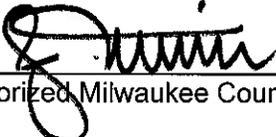
E-mail: bill.shaw@milwcnty.com

Application Prepared By: William Shaw

The amount requested for Floodplain \$ \$94,380, Housing \$0, Public Facilities \$0, and/or Business \$0 repairs not covered by other funding sources (e.g., FEMA, insurance, SBA, donations, etc.).

Please Note: The potential shortage of CDBG-EAP funds due to the scope of this disaster may result in an award less than the requested amount.

Chief Elected Official:

	<u>12/3/01</u>
Authorized Milwaukee County Representative	Date

A. PROJECT DESCRIPTION

1. LiDAR image data collection will be employed to capture high-precision elevation data and later used in the update of Floodplain Mapping throughout Milwaukee County. Milwaukee County proposes to use CDBG-EAP funds to acquire new elevation data that meet all the FEMA standards for floodplain mapping. The intention is that these data will be used to increase the accuracy of the floodplain maps so that they better reflect the minor changes in the topography along stream corridors in our county. In addition, Milwaukee County and its partners intend to share and collaborate on a multitude of projects utilizing the unique properties of LiDAR e.g., urban forest tree canopy and inventory assessment, planimetric feature identification, roof angle and solar incidence assessments etc.
2. To accomplish the project objective Milwaukee County intends to obtain grant funding approval, collect public input regarding the proposed remapping activities, extend our existing contracts to a certified LiDAR acquisition vendor and obtain additional LiDAR deliverables listed below. Further, evaluate and provide feedback and acceptance review once data is captured and delivery begins. Post and distribute new map products via website access, downloads and hardcopy where applicable e.g., certified accuracy reports.

LiDAR Deliverables

.7M Point Spacing LiDAR/suitable for 1' contours  
 Contour Data (1 foot contours)  
 Voids, Slopes, Intensity Grids  
 Hydro Enforced Breaklines  
 Planimetric Breaklines

FEMA Accuracy Assessment Report  
 FEMA Quality Control report

3. As Milwaukee County was not on the list of CDBG Entitlement Communities when the grant funding was announced, we did not seek funding but passed the application information on to the municipalities that were eligible for CDBG funds. Milwaukee County's funding commitment to this project includes all reasonable administrative costs attributed to project management, operations and final deployment.

B. PROJECT TIMETABLE

Quarter	Action
Jan-Mar 2010	Implement Citizen Participation Plan
	Contract, schedule and acquire LiDAR data
Apr-Jun 2010	Implement quality and data acceptance procedures

C. CAPACITY

Who will be responsible for program administration? (check all that apply)

- 1.  Applicant staff  
 Consultant staff  
 Other (specify) \_\_\_\_\_

2. Identify the personnel and the percentage of time that will be involved with carrying out the program activities.

Name: William Shaw \_\_\_\_\_

Title: MCAMLIS Project Manager \_\_\_\_\_

Current/ongoing duties: Supervises and manages the Milwaukee County Land Information Office (MCLIO). This includes day-to-day operations of the MCLIO visioning and website along with staff work allocation and project oversight.

Estimated percent of time to be devoted to CDBG-EAP program activities:

Less than 10% \_\_\_\_\_

3. In 3-4 sentences, identify the relevant experiences of the person/agency that will administer the proposed activities.

The MCLIO currently manages countywide spatial data assets in excess of 2 terabyte. These data are available in a multitude of formats and applications including but not limited to website and data streaming access through public and secure site access methods. The GIS staff assigned to the office has over 45 years of experience in Geo-Spatial project design and implementation including Statewide Natural Resource inventories, Urban GIS management and large Electric and Gas Utility asset and facility project management. The project manager currently serves as the president of the Wisconsin Chapter of Geospatial Information & Technology (GITA) where members conducted a seminar on image technology this past summer. Recently MCLIO staff successfully conducted a LiDAR pilot study through the spring and summer of 2009 resulting in the publication of two technical reports and recommendations to the MCAMLIS Steering Committee to take advantage of opportunities to expand the use of LiDAR within Milwaukee County.

D. CDBG-EAP BUDGET

In the table on the following page, list the amount of funds requested for each proposed activity (e.g., housing rehabilitation, demolition, public facilities, administration, etc.).

For Public Facilities, identify the specific public facility and the cost for that facility for each planned project to be financed by these funds.

For Business Assistance, attach a complete list showing business names and addresses for each planned project to be financed by these funds. Please identify the need, whether it is repairs to the building or loss of equipment and/or inventory.

The Budget and CDBG-EAP request should reflect an amount necessary to meet the unmet need in your municipality. While it is unlikely that Commerce will be able to fully fund all requests, it is important that Commerce gather the information on unmet needs as a result of this disaster. This data will be used to document gaps remaining after FEMA, SBA and other local, state and federal funds assistance has been provided which may help in responding to future disaster recovery requests.

CDBG-EAP dollars may be used for the administration of your proposed program. The amount of CDBG-EAP funds granted for administration will take into consideration the amount of local funds committed to administration and will also be based on Commerce experience and cost comparisons with other similar projects.

<u>PROGRAM COMPONENT ACTIVITIES</u>	<u>CDBG-EAP \$ Amount</u>	<u>ADMIN</u>	<u>UNITS</u>	<u>LMI</u>
1. Owner-occupied Rehab and/or Replacement	\$ _____	\$ _____	_____	_____
2. Renter-occupied Rehab and/or Replacement	_____	\$ _____	_____	_____
3. Acquisition/Demolition/Relocation As part of an HMGP Buyout Program to remove properties from the floodplain	_____	\$ _____	_____	_____
4. Public Facilities	_____	\$ _____	_____	_____
5. Business Assistance	_____	\$ _____	_____	_____
6. Affordable Rental Housing	_____	\$ _____	_____	_____
7. Floodplain Mapping (LiDAR Data Acquisition)	_____ <u>94,360</u>	\$ _____	_____	_____
<b>TOTAL:</b>	\$ _____ <u>94,360</u>	\$ _____		

Budget Items 1., 2., and 3. are eligible for ADMIN funds up to 10 percent of the “CDBG-EAP \$ Amount”.

Budget Item 4. is eligible for \$6,000 of ADMIN funds.

For Budget Items 1., 2., 3., 4. and 6. please indicate the number of housing units that will directly benefit from the activity and the estimated LMI percentage of those units.

For Budget Items 5., please indicate the number of persons that will directly benefit from the activity and the estimated LMI percentage of those persons.

# **Citizen Participation Plan Floodplain Mapping Improvement Program**

## MILWAUKEE COUNTY

### PURPOSE

In order for the Floodplain Mapping Improvement Program to operate effectively, and to address the needs of the citizens of Milwaukee County, consideration must be given to allow that the citizens of Milwaukee County are informed. The decision-making process must be open and consistent with State and Federal regulations. To accomplish this, the following plan will be followed:

### PROGRAM OVERSIGHT

1. The Milwaukee County Automated Mapping and Land Information System (MCAMLIS) Steering Committee shall oversee the preparation of the Community Development Block Grant - Emergency Assistance Program grant application.
2. To insure responsiveness to the needs of its citizens, the MCAMLIS Steering Committee shall provide for and encourage citizen participation. Particular emphasis shall be given to participation by persons of low- and moderate- income (LMI).

### CITIZEN PARTICIPATION

1. The MCAMLIS Steering Committee shall direct the MCAMLIS Project Manager to formulate a committee composed of persons representative of Milwaukee County demographics. This committee must include at least one LMI person.

The committee members should also include representatives from the local government, real estate, banking and labor communities whenever possible. This committee will assume responsibility for coordinating all required elements of the citizen participation plan. All committee members must be residents of Milwaukee County.

### NOTICE OF HEARINGS

1. Official notice of hearings will be by public notice in the Daily Reporter at least two weeks prior to the hearing. In addition, the public notice shall be posted at the Milwaukee County municipal building. These notices will include time, place and date of meetings, as well as a brief agenda.
2. All notifications of meetings and available assistance must be worded in such a way as to encourage LMI participation. In addition, all meeting announcements shall include, where and during what hours information and records relating to the proposed and actual use of funds may be found.

### REQUIRED PUBLIC HEARINGS

Public hearings shall be held to obtain citizen views and to enable them to respond to proposals at all stages of the Community Development Program, including the

development of needs, the review of proposed activities and the review of program performance. Hearings shall be held after adequate notice, at times and locations convenient to potential or actual beneficiaries and with accommodations for the handicapped, and, if needed, for non-English speaking persons.

1. The first hearing will receive citizens views and provide an explanation of:
  - a. Community development needs, objectives and strategies.
  - b. The Community Development Block Grant - Emergency Assistance Program (CDBG-EAP) including goals, objectives, application process, amount of funds available, timetable, eligible activities, etc.
2. The second hearing will receive citizen views and provide a review of the performance of the funded activities.
3. The first public hearing shall be held during the development of the application for funds. The second public hearing shall be held during the implementation of the program. Milwaukee County will attempt to have at least one of the public hearings in the target area (if applicable).

#### PROGRAM INFORMATION / FILES / ASSISTANCE

1. Technical assistance will be provided to any citizen who requests information about program requirements. Assistance with the application process will be provided by MCAMLIS staff. The MCAMLIS Project Manager or staff member will meet with citizens on request.
2. Milwaukee County will maintain, in the City Campus Building a record of all citizen participation efforts including minutes of meetings, newspaper clippings, and copies of notices and brochures.
3. Citizens will be invited to make proposals regarding the application. If suitable proposals are submitted in writing, a written response will be provided within 15 days. Every effort will be made to respond to all proposals prior to the final action on the subject.
4. Citizens may petition or request in writing assistance or changes. The MCAMLIS Project Manager will respond to all such requests within 15 days after the MCAMLIS Steering Committee has met to discuss the request.

#### COMPLAINTS

The MCAMLIS Project Manager will handle citizen complaints about the program in a timely manner. The MCAMLIS Project Manager will respond in writing to all written letters of complaint within 15 days after receipt of the complaint. The nature and disposition of verbal complaints will be reported in a complaint log. The first contact for complaints should be made to the MCAMLIS Project Manager.

In addition to the above procedure, any citizen wishing to object may complain directly to the following address:

Department of Commerce  
Bureau of Community Finance  
P. O. Box 7970  
Madison, WI 53707-7970

NON-ENGLISH SPEAKING PERSONS

The MCAMLIS Project Manager will attempt to identify all persons having an interest in participating in the planning for this project and provide them equal opportunity in the citizens participation process.

1 \* To be presented at the next scheduled meeting in January 2010 of the  
2 Milwaukee County Board

3  
4 From the Committee on Transportation & Public Works

5  
6 File No. 10-  
7 (Journal, \*)  
8

9 (ITEM NO. \*) From the Interim Director of Transportation and Public Works  
10 requesting authority to apply for and accept a Wisconsin Community  
11 Development Block Grant Supplemental Disaster Allocation Emergency  
12 Assistance Program for Floodplain Mapping Improvements, by recommending  
13 adoption of the following:  
14

15  
16 **A RESOLUTION**  
17

18 WHEREAS, Federal monies are available under the Wisconsin Small Cities  
19 Community Development Block Grant-Emergency Assistance program,  
20 administered by the State of Wisconsin, Department of Commerce, Bureau of  
21 Community Finance, for the purpose of disaster recovery; and  
22

23 WHEREAS, the State of Wisconsin Department of Commerce and the U.S.  
24 Department of Housing and Urban Development (HUD) require recipients of  
25 Community Development Block Grant Emergency Assistance monies to have in  
26 place a Citizen Participation Plan; and  
27

28 WHEREAS, the Citizen Participation Plan shall encourage citizen  
29 participation (especially by persons of low- to moderate-income), provide  
30 citizens reasonable and timely access to local meetings and information,  
31 provide for technical assistance, provide for public hearings, provide for a  
32 complaint procedure and accommodate non-English speaking resident  
33 interests; and  
34

35 WHEREAS, Milwaukee County has prepared and publicly reviewed a  
36 Floodplain Mapping Citizen Participation Plan; and  
37

38 WHEREAS, after a public hearing and due consideration, the Milwaukee  
39 County Automated Mapping and Land Information (MCAMLIS) Steering  
40 Committee has recommended that an application be submitted to the State of  
41 Wisconsin for purposes of collecting high-resolution aerial LiDAR imagery to be  
42 used to assist in the improvement of existing Floodplain Mapping; and  
43

44           WHEREAS, it is necessary for Milwaukee County, to adopt the Floodplain  
45 Mapping Citizen Participation Plan and approve the preparation and filing of an  
46 application for Milwaukee County to receive funds from this program; and  
47

48           BE IT RESOLVED, the Milwaukee County Board officially adopts the  
49 aforementioned Floodplain Mapping Citizen Participation Plan; and  
50

51           BE IT FURTHER RESOLVED, that the County Board of Supervisors does  
52 hereby authorize the DTPW Interim Director to apply for and accept, if awarded,  
53 an emergency application for funds in accordance with this resolution from the  
54 State of Wisconsin, Department of Commerce, Bureau of Community Finance  
55

## **PUBLIC HEARING NOTICE**

**MILWAUKEE COUNTY  
City Campus  
2711 W Wells St.  
January 5<sup>th</sup> 2010  
9:00 am**

Milwaukee County will conduct a public hearing regarding its proposed application for Community Development Block Grant (CDBG) funds. The public is invited to attend to learn about the CDBG program, to help identify additional local housing and community development needs, and to comment on the activities proposed to be included in the CDBG application.

The agenda for the public hearing is:

1. Identification of total potential funds.
2. Eligible CDBG and CDBG-EAP activities
  - a. Floodlain Mapping Improvement
3. The CDBG and CDBG-EAP Application process.
4. Presentation of identified Floodplain Mapping needs.
5. Presentation of activities proposed for CDBG application
6. Citizen input regarding proposed and other CDBG activities.

Residents of the Milwaukee County are encouraged to attend, especially residents with low- to moderate-incomes.

The meeting room is handicapped accessible.

Persons needing additional accessibility accommodations should contact William Shaw at (414) 278-2176

To be adopted at the Public Meeting to be held on 1/5/2010  
**CITIZEN PARTICIPATION CERTIFICATION**

I, William Shaw hereby certify that the following checked topics were discussed at the Community Development Block Grant (CDBG) Citizen Participation public hearing held at Milwaukee County City Campus, 2711 W Wells St. Milwaukee WI. at 9am, on 1/5/2010.

1.  Total CDBG funds (including anticipated revolving loan funds) available for housing, public facilities and economic development.
2.  Types of activities eligible using CDBG funds for:
  - a.  Floodplain Mapping
3.  The CDBG and CDBG-EAP Application process.
4.  Presentation of identified Floodplain Mapping needs.
5.  Presentation of activities proposed for CDBG application
6.  Citizen input regarding proposed and other CDBG activities..

Minutes of the above-described meeting are available on request.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Typed Name of Clerk: \_\_\_\_\_

Subscribed and sworn to before me this  
\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Notary Public, \_\_\_\_\_  
County  
My Commission expires: \_\_\_\_\_



OFFICE OF CORPORATION COUNSEL

# Milwaukee County

WILLIAM J. DOMINA  
Corporation Counsel

TIMOTHY R. SCHOEWE  
MARY ANN GRIMES  
ROBERT E. ANDREWS  
Deputy Corporation  
Counsel

LOUIS EDWARD ELDER  
JOHN F. JORGENSEN  
MARK A. GRADY  
JOHN E. SCHAFERKAHM  
TIMOTHY R. KARASKIEWICZ  
RICHARD H. BUSSLER, JR.  
JEANEEN J. DEHRING  
ROY L. WILLIAMS  
Principal Assistant  
Corporation Counsel

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## INTEROFFICE MEMORANDUM

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**TO:** LEONARD JACKSON, DEPT. OF ADMINISTRATIVE SERVICES,  
DIVISION OF ECONOMIC AND COMMUNITY DEVELOPMENT

**FROM:** JOHN JORGENSEN, PRINCIPAL ASSISTANT CORPORATION  
COUNSEL

**SUBJECT:** MILWAUKEE COUNTY FAIR HOUSING ORDINANCE

**DATE:** FEBRUARY 3, 2006

Pursuant to the authority delegated by the legislature to counties and municipalities in Wis. Stat. s. 66.1101, Milwaukee County has adopted a county fair housing ordinance. That ordinance is codified in ch. 107 of the Milwaukee County Code of General Ordinances, a copy of which is attached.

Milwaukee County's ordinance forbids discrimination on the basis of sex, race color, handicap, religion, national origin, marital status, legal source of income, age, ancestry, or sexual orientation in the sale, lease, financing and construction of housing.

Under the enforcement procedure prescribed in the ordinance, complaints are referred to the office of the corporation counsel for investigation, conciliation and, where appropriate and necessary, prosecution. Legal remedies under the ordinance include injunctive relief against offending parties as well as civil forfeitures. ~~This procedure is more fully described in ss. 107.07 and 107.08, M.C.C.O.~~

**107.01. Intent.**

It is the intent of this chapter to render unlawful discrimination in housing and to enact this chapter pursuant to the authority granted to counties by s. 66.432(2), Wis. Stats. It is the declared policy of the county that all persons shall have an equal opportunity for housing regardless of sex, race, color, handicap, religion, national origin, or marital status of the person maintaining a household, lawful source of income, age, ancestry or sexual orientation as defined in s. 111.32(13m), Wis. Stats.

**107.02. Definitions.**

In this chapter unless the context requires otherwise:

- (1) "Housing" means any improved property, including any mobile home as defined in s. 66.058, Wis. Stats., which is used or occupied, or is intended, arranged or designed to be used or occupied, as a home or residence.
- (2) "Discriminate" and "discrimination" mean to segregate, separate, exclude or treat any person or class of persons unequally because of sex, race, color, handicap, religion, national origin, or marital status of the person maintaining a household, lawful source of income, age, ancestry, or sexual orientation as defined in s. 111.32(13m), Wis. Stats. It is intended that the factors set forth herein shall be the sole basis for prohibiting discrimination.
- (3) "Handicap" means any physical disability or any developmental disability as defined under s. 51.01(5)(a), Wis. Stats.
- (4) "Unimproved residential lot" means any residential lot upon which no permanent building or structure containing living quarters has been constructed.
- (5) "Condominium" means property subject to a condominium declaration under ch. 703, Wis. Stats.
- (6) "Condominium association" means an association as defined in s. 703.02(1m), Wis. Stats.

**107.03. Discrimination prohibited.**

It is unlawful for any person to discriminate:

- (1) By refusing to sell, lease, finance or contract to construct housing or by refusing to discuss the terms thereof.
- (2) By refusing to permit inspection or exacting different or more stringent price, terms or conditions for the sale, lease, financing or rental of housing.
- (3) By refusing to finance or sell an unimproved residential lot or to construct a home or residence upon such lot.
- (4) By publishing, circulating, issuing or displaying, or causing to be published, circulated, issued or displayed, any communication, notice, advertisement or sign in connection with the sale, financing, lease or rental of housing, which states or indicates any discrimination in connection with housing.
- (5) For a person in the business of insuring against hazards, by refusing to enter into, or by exacting different terms, conditions or privileges with respect to, a contract of insurance against hazards to a dwelling.
- (6) By refusing to renew a lease, causing the eviction of a tenant from rental housing or engaging in the harassment of a tenant.

**107.04. Exceptions.**

(1) Nothing in this chapter shall prohibit discrimination on the basis of age in relation to housing designed to meet the needs of elderly individuals.

(2) Nothing in this section shall prohibit a person from exacting different or more stringent terms or conditions for financing housing based on the age of the individual applicant for financing if the terms or conditions are reasonably related to the individual applicant.

(3) Nothing in this section shall prohibit the development of housing designed specifically for persons with a handicap and discrimination on the basis of handicap in relation to such housing.

**107.05. Representations designed to induce panic sales.**

(1) No person may induce or attempt to induce any person to sell, rent or lease any dwelling by representations regarding the present or prospective entry into the neighborhood of a person(s) of a particular race, color, religion, national origin, sexual orientation or economic status, or by representations to the effect that such present or prospective entry will or may result in:

- (a) The lowering of real estate values in the area concerned;
- (b) A deterioration in the character of the area concerned;
- (c) An increase in criminal or antisocial behavior in the area concerned; or
- (d) A decline in the quality of the schools or other public facilities serving the area.

**107.06. Interference, coercion and intimidation.**

No person may coerce, intimidate, threaten or interfere with any person in the exercise or enjoyment of any right granted or protected by this chapter, or with any person who has aided or encouraged another person in the exercise or enjoyment of any right granted or protected by this chapter.

**107.07. Enforcement.**

(1) The provisions of this chapter shall be enforced by the corporation counsel.

(2) The corporation counsel may receive and investigate a complaint charging a violation of this section if the complaint is filed no more than three hundred (300) days after the alleged discrimination occurred. A complaint shall be a written statement of the essential facts constituting the discrimination charged, and shall be verified.

(3) If the corporation counsel finds probable cause to believe that any discrimination has been or is being committed in violation of this chapter, he/she may endeavor to eliminate such discrimination by conference, conciliation and persuasion.

(4) If the corporation counsel determines that conference, conciliation and persuasion have not eliminated the alleged discrimination, he/she may commence a forfeiture ordinance action in the circuit court of the county for the enforcement of this chapter and penalty provided.

(5) At any time after a complaint is filed with the office of the corporation counsel, the corporation counsel may also file a complaint in the circuit court of the county seeking appropriate temporary relief against the respondent, including an application for a temporary injunction, restraining order, or other order against the person(s) responsible for the denial of the rights granted by this chapter as the corporation counsel deems necessary in order to ensure the full enjoyment of these rights. The court may grant such temporary relief or restraining order as it deems just and proper.

**107.08. Penalty.**

(1) Any person who has willfully violated any provision of this chapter or any lawful order issued under this chapter shall, for the first violation, forfeit not less than one hundred dollars (\$100.00) or more than one thousand dollars (\$1,000.00).

(2) Any person adjudged to have violated any provision of this chapter within five (5) years after having been adjudged to have violated subsection (1) for every violation committed within the five (5) years, shall forfeit not less than one thousand dollars (\$1,000.00) nor more than ten thousand dollars (\$10,000.00).

COUNTY FAIR HOUSING ORDINANCE

**LEGISLATIVE HISTORY**

All sections effective upon passage and publication unless otherwise indicated.

**Ch. 107. Created** - June 18, 1992, J. Proc. p. 1008-11 [as printed May 21, 1992, J. Proc. p. 787-93], published July 20, 1992; correction - Sept. 24, 1992, J. Proc. p. 1371, published Oct. 14, 1992.

## POTENTIAL FAIR HOUSING ACTIONS

According to 24 CFR 570.487(b), the Grantee must take some action to affirmatively further fair housing during the contract period. **Circle the number of at least one of the actions below.** If your project is funded, the action indicated will be included in your contract timetable. You will be expected to implement it according to the contract timetable.

Fair housing actions may include, but are not limited to the following:

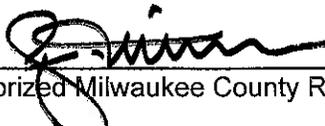
1. Enact, strengthen or advertise a local fair housing law;
2. Make area-wide zoning revisions to facilitate the dispersal of multi-family housing outside of minority-concentrated areas;
3. Initiate or fund any studies examining current housing opportunities for minority persons, handicapped persons and families with children and have these studies form the basis of an affirmative action program providing greater housing opportunities for minorities, handicapped persons and families with children;
4. Send letters from the chief executive officer or chief elected official of the local government to those in the business of selling, renting or financing housing, encouraging them to adhere fully to the fair housing law;
5. Have the local governing body or chief elected official publicly endorse the principle of fair housing and of adherence to the fair housing law in the form of a proclamation, resolution or similar publicized statement of importance;
6. Improve community facilities and public services in racially integrated neighborhoods to help preserve their mixed character;
7. Display a fair housing poster or provide fair housing information at an appropriate public place;
8. Initiate a public education program on fair housing, involving, for example, representatives of fair housing groups, human relations' bodies, minority organizations, the real estate industry and government, through the local media. This could include talks on the community's housing opportunities;
9. Fund a fair housing organization (such as a local housing authority) to conduct studies and/or to aggressively investigate rental and/or realtor practices;
10. Suggest the use of affirmative marketing and advertising practices by private developers as a condition for obtaining local licenses and permits; and
11. Enlist the participation of local associations (realtors, real estate brokers, home builders and mortgage lenders) in approved voluntary programs to promote affirmative fair housing marketing and to review mortgage credit and underwriting criteria that may have an adverse impact on minorities, women, handicapped persons and families with children.
12. Other: Flood Insurance Rate mapping and Floodplain and Floodway draft revisions will be made available to the PUBLIC along with property data on the Milwaukee County Land Information Office website: [maps.milwaukeecounty.org](http://maps.milwaukeecounty.org)

## STATEMENT OF ASSURANCES

I, Jack Takarian, Interim Director of Milwaukee County Department of Transportation and Public Works certify that Milwaukee County:

[Initial each item]

1. JT Will authorize its County Board Chairman Milwaukee County to submit the application, sign contracts, and conduct other business related to the proposed activity if funded.
2. JT Will implement a citizen participation plan in accordance with the provisions of Section 104 (a)(2) and (3) of the Housing and Community Development Act of 1974, as amended.
3. JT Has identified its housing and community development needs, including those of low- and moderate-income persons and the activities to be undertaken meet such needs.
4. JT Will conduct and administer its program in conformance with the Civil Rights Act of 1964 and the Fair Housing Act, and affirmatively further fair housing.
5. JT Will minimize displacement as a result of activities associated with CDBG funds, and will follow an adopted residential anti-displacement and relocation assistance plan.
6. JT Will not use special assessments to recover the capital costs of CDBG funded public improvements from low- and moderate-income owner occupants.
7. JT Will comply with 24 CFR 570.608 regarding notification, inspection, testing, and abatement procedures concerning lead-based paint.
8. JT Has adopted and will enforce a policy prohibiting use of excessive force by law enforcement agencies within its jurisdiction against any individuals engaged in nonviolent civil rights demonstrations in accordance with Section 519 of Public Law 101144.
9. JT Has a policy of enforcing applicable state and local laws against physically barring entrance to or exit from a facility or location which is the subject of nonviolent and civil rights demonstrations.
10. JT Will not enter into a contract with any entity that is debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation.
11. JT Is currently in compliance with terms and conditions of all past and/or active Commerce awards and/or contracts.
12. JT Acknowledges that prior to project implementation, certain procedures must first be taken, including but not limited to the following: Complete the environmental review process, request federal wage rates if applicable, establish base employment levels for job related projects, enter into a development agreement with the participating business, and develop a system for tracking job retention and/or creation for LMI persons if applicable to the project.
13. JT Will comply with all the provisions of the Community Development Block Grant Program and will maintain documentation of compliance with the above certifications.

  
\_\_\_\_\_  
Authorized Milwaukee County Representative

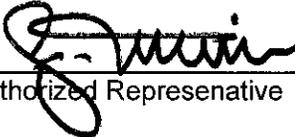
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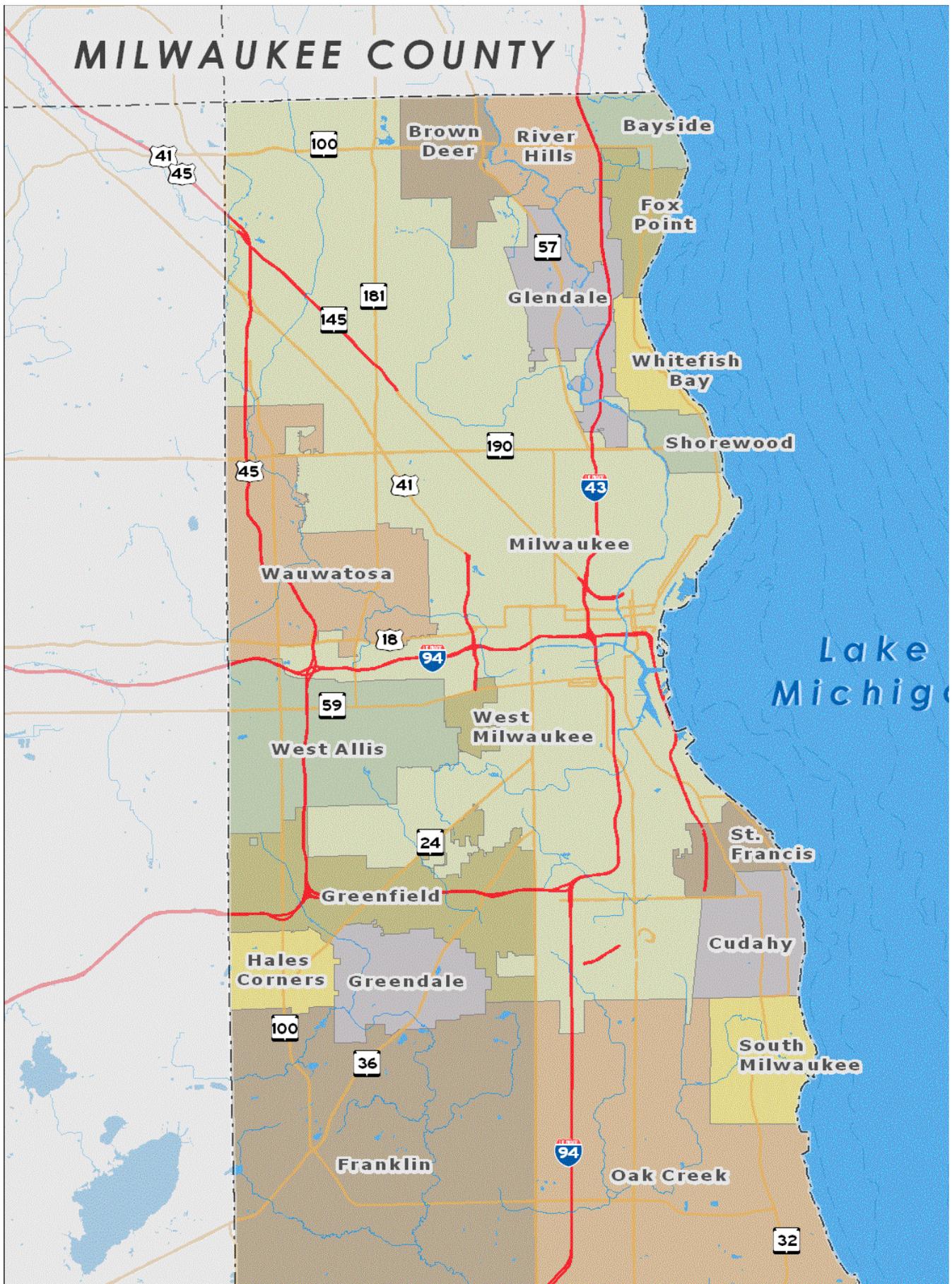
**CERTIFICATION FOR CONTRACTS, GRANTS, LOANS AND COOPERATIVE AGREEMENTS**

This certifies that, to the best of the undersigned's knowledge and belief:

1. No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.
2. If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this federal contract, grant, loan, or cooperative agreement, the undersigned shall complete Standard Form - LLL "Disclosure Form to Report Lobbying," in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

 WTOAM DIX DTPW 12/3/09  
Authorized Representative Title Date



# Village of Hales Corners

5635 S. New Berlin Road  
Hales Corners, Wisconsin 53130  
Telephone (414) 529-6161  
Fax (414) 529-6179



November 13, 2009

Mr. William Shaw  
MCAMLIS Project Manager  
Milwaukee County Land Information Office  
Milwaukee County Department of Transportation and Public Works  
City Campus - Room 426  
2711 W Wells St.  
Milwaukee, WI. 53208

Re: November 13 AMMAPWAE Meeting

Dear Mr. Shaw:

On behalf of AMMAPWAE, I want to express sincere gratitude and thanks to you for speaking at the November 13 meeting. The presentation was informative, entertaining, and well received. You and your staff at MCLIO can be very proud of the outstanding technical service and information that you provide. The 2010 Regional Orthophotography Project is exciting and if the digital oblique component is funded, local agencies will reap the benefit for years to come.

Once again thank you for taking time to speak to our group. Happy holidays to you and your family and may your 2010 be prosperous.

Sincerely,

Michael J. Martin, PE, RLS  
Director of Public Works