

Project Survey Results, Review, and Recommendation

Project: Non-Vector Data Improvements

Applicant: MCAMLIS Project Manager

Organization: Milwaukee County Land Information Office (MCLIO)

Summary

This project will improve data management practices and technologies that get MCAMLIS non-vector reference data into the MCAMLIS data repository and prepare it for efficient access. MCAMLIS non-vector reference data refers to the following: georeferenced imagery (Imagery: Ortho, Oblique, LiDAR, Caches), documents and photos, and potentially, video and audio. This does not include Partner-shared or Partner-hosted data, and does not include MCAMLIS vector reference data.

In particular, this task will focus on providing the implementation of the ESRI Image Extension to improve the delivery of MCAMLIS image data holdings including a growing amount of geo-referenced historic aerial image collections from around the county.

Survey and Review Results

Project Score Evaluation Results			
	Numeric Score	Max Percent	Percentage
Survey Response Rate	3/12	10%	3%
Percentage of responses, out of 12	25%	10%	3%
Survey Questions	5/9	40%	22%
a. Project Urgent Need for Your Org?	2/3	13.3%	8.9%
b. Does your org have a champion?	0/3	13.3%	0.0%
c. Benefit outside of your org?	3/3	13.3%	13.3%
MCAMLIS Review	26/25	50%	50%
a. Applicant has resources?	4/5	10%	8%
b. Project is a continuation or extension?	5/5	10%	10%
c. Additional funding is available?	3/5	10%	6%
d. Critical to MCAMLIS infrastructure?	4/5	10%	8%
e. Critical to foundational data?	1/5	10%	2%
f. Project is feasible and realistic?	5/5	10%	10%
g. No roadblocks, or mandated?	4/5	10%	8%
Grand Total Score (Max Score 100%)			75%

Survey Response Summary

Responses to the survey were positive but understandably limited. Although many partners benefit directly from MCAMLIS Non-Vector data access it is not evident to many just how this is accomplished and to what extent they would experience a difference either in performance or in access through this extension. Those that did comment did so by acknowledging the expanding list of image products and understood that as this list expands that managing these could become difficult.

Result

This project **passes** the 25% requirement for project consideration.

Schedule

DAT-01.2: Implement ESRI Image Extension for Server, is planned for Q2 –Q3 2015 in the 5 Year Plan

Cost

Implementation: DAT-01.2: Implement ESRI Image Extension for Server, \$10,000 in 2015

Project Resources: Management: 1/16 FTE, Analyst: 1/8 FTE, Professional Services: 100+ hrs.

Ongoing: \$2,500 per year for ESRI Image Extension license maintenance.

Recommendation

MCAMLIS staff recommends that this project be **accepted** and incorporated into the MCAMLIS 5 Year Work Plan for Q2 – Q3 2015. This project will allow MCAMLIS to closely align with ESRI image software enhancements that first arrived in the ESRI 10.1 release; we are now at 10.3. Alternatives to the recommended approach are becoming increasingly cumbersome given the volume of data that MCAMLIS now holds. Adopting this technology will improve our ability to manage the image resources and continue adding to the image libraries without limitation.

Organizational Representative Written Responses

Is this project an urgent need or of great value/benefit to your organization or stakeholders?

1	Non-vector datasets are integral to the daily operations of the organization. These datasets are used in activities such as map exhibits, water resources analysis and capital improvement planning.
2	Given the growing excellent collection of raster imagery implementation of Image Server seems necessary.

Does your organization have an individual that could be a champion for this project and act as the primary liaison to MCAMLIS Staff for the duration of the project?

[No written responses]

Do you foresee this project having benefit outside of your organization that would make of greater value to MCAMLIS constituents?

1	The ability to better manage and disseminate imagery seem like it would benefit all MCAMLIS member organizations.
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MCAMLIS Business Planning Process

Staff Review - Final

Project Name

Review Date

Non-Vector Data Improvements

02/26/2015

Provide a descriptive evaluation of the proposed project as it pertains to the following factors:

a. Project applicant/organization has additional resources dedicated to this project, whose participation can positively contribute to project completion.

MCLIO staff will organize and manage implementation of ESRI Image Server and the acquisition of historical imagery e.g., SEWRPC, MMSD and local archives. This project was ranked high by MCAMLIS Partner Organizations in the 2013 Business Needs Assessment (BNA) and was originally scheduled for implementation in the 2015 - 2016 MCAMLIS Work Plan. The majority of efforts will be performed by MCAMLIS staff in combination with temporary staff augmentation.

MCAMLIS Staff Score

	1	2	3	4	5
Rank 1 (low) to 5 (High)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

b. Project is a natural extension or continuation of an existing or recently completed project, such that a considerable amount of project management effort can be saved.

Data services supporting historical imagery are already implemented and include the underlying infrastructure and data required to meet the fundamental data requirements of the MCAMLIS Program.

MCAMLIS Staff Score

	1	2	3	4	5
Rank 1 (low) to 5 (High)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

c. Additional funding is available (via grants, etc.) to complete this project by contracting a substantial amount of the work to consultants, which can increase efficiency by taking pressure off applicant/MCAMLIS staff.

A WLIP grant of up to \$50,000 may be available once grant procedures are worked out and published by the state. Otherwise MCAMLIS would need to fund all or the majority of this project.

MCAMLIS Staff Score

	1	2	3	4	5
Rank 1 (low) to 5 (High)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

d. Project is of critical importance to the MCAMLIS technological infrastructure, such that delaying the project may endanger the operation of MCAMLIS applications, websites, and services.

This project will alter the management and configuration of existing infrastructure at MCAMLIS and it has been identified as an important application to be developed. Essentially, it WILL be a vital function at the conclusion of this project.

MCAMLIS Staff Score

	1	2	3	4	5
Rank 1 (low) to 5 (High)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

e. Project is a critical update to existing foundational MCAMLIS data, such that delaying the project may result in a lapse of collecting data in a periodic fashion (e.g., 5 year update cycles).

This project will have no immediate impact on the delivery of foundational MCAMLIS data elements.

MCAMLIS Staff Score

	1	2	3	4	5
Rank 1 (low) to 5 (High)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

f. The project is technologically feasible and demonstrably realistic using today's technology, even if MCAMLIS does not currently use such technologies.

All of the hardware and software necessary to complete this project exists. The data would need to be prepared and configured within our current architecture. However new processes and procedures will need to be developed and implemented and there will be on-going maintenance considerations as well. Notwithstanding, technological hindrances are not anticipated.

MCAMLIS Staff Score

	1	2	3	4	5
Rank 1 (low) to 5 (High)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

g. There are no significant technological or policy roadblocks that prevent the implementation of the project, or conversely, the project is mandated through public policy or is considered as extremely favorable to public interests.

This project is not subject to policy roadblocks, nor is it statutorily required. However, it is identified as being of great importance to promote technology for purposes of advancing local community use of MCAMLIS services.

MCAMLIS Staff Score

	1	2	3	4	5
Rank 1 (low) to 5 (High)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

MCAMLIS Staff Review - Score Summary

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
Section a.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Section b.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Section c.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Section d.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Section e.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Section f.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Section g.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

Total Points (Add all responses)

26

Total Score Percent (Points x 2, max of 50)

50