

Project Survey Results, Review, and Recommendation

Project: Mobile Property Locator Application

Applicant: MCAMLIS Project Manager

Organization: Milwaukee County Land Information Office (MCLIO)

Summary

This project will allow access to MCAMLIS parcel data using mobile devices such as tablets, cell phones, toughbooks, etc. The application will allow users to locate properties and retrieve addresses. Currently, the MCAMLIS website uses Silverlight plugin technology, which is not supported on most mobile devices.

Survey and Review Results

Project Score Evaluation Results			
	Numeric Score	Max Percent	Percentage
Survey Response Rate	11/12	10%	9%
Percentage of responses, out of 12	92%	10%	9%
Survey Questions	19/33	40%	23%
a. Project Urgent Need for Your Org?	5/11	13.3%	6.1%
b. Does your org have a champion?	3/11	13.3%	3.6%
c. Benefit outside of your org?	11/11	13.3%	13.3%
MCAMLIS Review	21/25	50%	42%
a. Applicant has resources?	3/5	10%	6%
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?	1/5	10%	2%
e. Critical to foundational data?	1/5	10%	2%
f. Project is feasibly and realistic?	4/5	10%	8%
g. No roadblocks, or mandated?	4/5	10%	8%
Grand Total Score (Max Score 100%)			74%

Survey Response Summary

There were 10 responses to the survey, and they were all generally positive. In terms of whether or not the project was valuable, all respondents indicated that they plan on embracing mobile technology soon, or in several cases have already developed similar tools. Several organizations (3) named individuals that could champion the project, which may be very important if individual organizations are interested in customized mobile applications. Finally, the vast majority of responses suggest that MCAMLIS on the whole would benefit from a universally accessible mobile viewer.

Result

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

Schedule

MBL-01: Deploy Mobile Property Locator Application is scheduled to commence from Q1 2016 – Q3 2016. This time frame puts the project schedule at the later part of project VWR-01: Improve the MCLIO Interactive Mapping Service, which will upgrade the viewer to HTML. This may cause changes to the schedule of MBL-01.

Cost

Implementation: MBL-01 is estimated at \$25,000, which will be used for consulting services, configuration, training, etc.

Project Resources: Management: 1/8 FTE, Analyst: ¼ FTE, Professional Services: 200+ hrs.

Ongoing: Up to ¼ FTE staff time annually.

Recommendation

Based on the results of the survey and staff review, MCAMLIS staff recommends that this project be **accepted** and incorporated into the MCAMLIS 5 Year Work Plan for Q1 – Q3 2016 (MBL-01). Mobile devices are near ubiquitous, and with future technology pointing to HTML 5 rather than browser plugins, cross-platform compatibility will be a standard way of operating. The technology exists to make it happen, and every MCAMLIS partner (and citizen) can benefit from greater access to MCAMLIS data.

Organizational Representative Written Responses

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

1	Mobile access wont just be for property information. In the future the City of St. Francis would like to be able to use MCAMLIS as its primary GIS system. Mobile access would provide additional access for field use in things like mapping, property disputes, code enforcement, tree maintenance, sewer cleaning, condition reports, etc. Our DPW already has access to tablets for City Email. Those same tablets could be the basis for further field use.
2	We still use paper copies and currently don't work off of tablets or smart phones.
3	Our Assessor's office is interested in the development of this app for use in the field by the property appraisers. I think other departments, particularly DPW and Neighborhood Services might find it useful as well.
4	Not urgent for us, staff is already using AGO mobile app on tablets and phone
5	Franklin is in the infancy stage of having access to mobile apps in the field. This project may have greater relevancy in the coming year. Franklin already has a "Property Viewer" that is utilized by multiple departments within the City.
6	I think if we are in the process of updating the viewers to HTML5 that this project can be put on hold. As from what I understand, that by updating to the HTML5 this might include this project and then I don't see any need or benefit of making this a special project.
7	A property parcel polygon feature map service would be invaluable to add value to multiple District web maps and applications,including Green Infrastructure, Diggers Hotline, and Survey workflows.
8	We use some type of mobile on a daily basis. If this project could be accomplished, I believe the City of Cudahy would benefit tremendously. It would save staff time and money by allowing field employees to have the information they need at their fingertips.
9	It is very nice to be able to access this information while in the field. We are currently able to access this data through our GIS application with R&M.
10	We are on a parallel track with our own mobile GIS focused mainly on our public utilities. Accurate parcel/address maps are very important, although mostly to those of us in the office, where we sometimes access MCAMLIS maps to update or verify new owners.

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?

1	Todd Niedermeyer
2	Kathleen Bach
3	Nate Piotrowski, Community Services Director/Planner: 4800 W. Green Brook Dr., Brown Deer, 53223, 414-371-3061

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

1	We frequently have contractors, home appraisers, elected officials, etc. ask for help in getting access to property data. Mobile access would allow those in the field the opportunity to look up information on the fly rather than rely on us to be in the office at that exact time.
2	Yes. I'm sure other municipalities would find it useful for the same reasons as DPW and DNS.
3	This may benefit other communities to access mobile data while in the ROW
4	No comment at this time.
5	In the ROD, we get many calls regarding basic parcel and address searches. This does take up some staff time, as the staff explains the procedures of the MCAMLIS website which is not that user friendly to all our outside clients. Therefore, I think an mobile application would be helpful to some our clients but I would not rate as a high priority.
6	A mobile property parcel feature map service would provide the ability for many organizations or agencies (public and private) to access current property information that could be incorporated into existing software applications and/ or electronic workflows. Many job sectors that rely on outdated paper maps and tabular information about parcel properties would be able to expand or enhance their use of mobile technology with spatial data from the County.
7	Being more accurate than Google maps I can see this being useful to many.
8	It would be beneficial to municipalities or public utilities who don't have systems of their own, especially small towns or villages in rural areas.

MCAMLIS Business Planning Process

Staff Review - Final

Project Name

Review Date

Mobile Property Locator Application

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.

MCAMLIS staff will contribute data (which is already available) and coordinate feedback pertaining to application development with organizational champions. This application was ranked high by MCAMLIS Partner Organizations in the 2013 Business Needs Assessment (BNA) and was originally scheduled for implementation in the 2014 - 2015 MCAMLIS Work Plan. Further participation by member organization(s) is required to move this project forward. Assuming that the applications will be hosted by the MCAMLIS system, the majority of efforts will be performed by MCAMLIS staff in combination with Professional Consulting Services and a yet to be identified

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"/>

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.

Basic parcel services are already prepared and include the rudimentary data for this project. The critical development was the implementation of the MCAMLIS Feature Data Service for Parcels, which is complete. Moreover, there are some existing mobile parcel applications that are being used on a limited basis within MCAMLIS, however this project is, for the most part, brand new. There is a project in the works to update viewers to HTML5, in which case, this project may be absorbed into the HTML5 viewer applications, as these support mobile technology.

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.

There is no dedicated source of funding outside of MCAMLIS for this project as of yet, however, organizations must supply their own mobile devices, which takes some of the financial burden off of MCAMLIS in terms of providing hardware for this project. Additional funding may be available if local organizational either complement or collaborate with MCAMLIS to leverage MCAMLIS services along with a tailored local community solution.

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.

Although this project does not directly affect existing infrastructure at MCAMLIS, it has been identified as an important application to be developed. Essentially, it WILL be a vital function at the conclusion of this project. Along those lines, if HTML5 is assumed to be the preferred method of development, the planned update to HTML5 viewers may subsume this project.

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"/>

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 does not pertain to periodic updates of foundational MCAMLIS data.

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 in an out-of-the-box-option. The data would need to be prepared and configured within the application, however the process is well documented and a proven technology. Technological hindrances are not anticipated. Conversely, if developed using plug-in technology once HTML5 is embraced, the project will be principally obsolete, since mobile functionality is inherent in HTML5 technology. Therefore it is possible that further delay of this project is advisable.

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"/>

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 checked="" type="radio"/>	<input 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 checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input 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 checked="" type="radio"/>	<input 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)

21

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

42