



AGENDA

LAND INFORMATION COUNCIL COMMITTEE

November 30, 2018
9:00 a.m.
Annex Conference Room
Marinette County Courthouse

1. Call to meeting to order
2. Approval of agenda as presented
3. Approval/correction of September 27, 2018 minutes, action if any.
4. Public Comment – Speaker will be limited to 5 minutes
5. Reports(s) by Land Information Officer on programs and activities.
 - V4 Observation Report
6. Discuss/consider recommend Development Committee and County Board approve the draft Marinette County Land Information Plan, action if any.
7. Discuss/consider recommend Development Committee and County Board approve the 2019 Base Budget, Training/Education and Strategic Initiative Grant Projects, action if any.
8. Future agenda items
9. Identify next meeting date
10. Adjournment

Addendum(s) when applicable

cc: Tina Barnes
Eric Burmeister
Greg Cleereman
Renee Miller
Bev Noffke
Tim Oestreich
Ted Sauve
Amy Shaffer

In the event there is not a quorum present, information will be presented, but no action will be taken.

NOTE: AGENDA ITEMS MAY NOT BE CONSIDERED AND ACTED UPON IN THE ORDER LISTED

If you are an individual who needs a special accommodation while attending the meeting as required by the "Americans With Disabilities Act", please notify County Clerk Kathy Brandt, Marinette County Courthouse (715-732-7406) at least 24 hours prior to the meeting in order to make suitable arrangements. Thank you. (TDD 715-732-7760)

1926 Hall Avenue, Marinette, WI 54143-1717

PUBLIC COMMENT PROCEDURE

Marinette County Code of Ordinances

Chapter 2 – COUNTY GOVERNMENT

Section 2.04 - COUNTY BOARD RULES OF PROCEDURES

(7)(k) Rules of Order. Any person not a member of the Board/Committee, desirous of addressing the Board/Committee under public comment on any subject, shall first obtain permission from the Board/Committee Chairperson. All such addresses shall be limited to 5 minutes unless otherwise extended by the Board/Committee Chairperson.

(10)(a) Suspending, Changing and Interpreting the Rules. These rules may be suspended by affirmative vote of two-thirds of the members present. The vote on any motion to suspend the rules shall be taken by roll call vote.



MINUTES

LAND INFORMATION COUNCIL

Thursday, September 27, 2018
Annex Conference Room
Marinette County Courthouse

MEMBERS PRESENT: Eric Burmeister, Tim Oestreich, Renee Miller and Tina Barnes
MEMBERS EXCUSED: Amy Shaffer, Ted Sauve, Greg Cleereman and Bev Noffke

1. Call to order

Chair Burmeister called the meeting to order at 1:15 p.m.

2. Agenda

Motion (Oestreich/Miller) to approve agenda as presented. Motion carried. No negative votes.

3. Minutes

Motion (Miller/Burmeister) to approve minutes of October 2, 2017. Motion carried. No negative votes.

4. Public Comment – None

5. 2019/2021 Draft Marinette County Land Information Plan

Review and discussion of the Draft Plan as presented.

6. 2019 Base Budget, Training, Education and Strategic Initiative Grant Projects.

Review and discussion of Grants.

7. Future Agenda Items

- a. 2019-2021 Marinette County Land Information Plan.
- b. 2019 Base Budget, Training, Education and Strategic Initiative Grant Projects.

8. Adjournment

Motion (Barnes/Oestreich) to adjourn at 1:50p.m. Motion carried. No negative votes.

Next Meeting Date: Call of the Chair. Tentatively set for October/2018 at 1:00 p.m.

Tina Barnes

Land Information Council Secretary/Real Property Lister

Date approved/corrected:



STATE OF WISCONSIN
DEPARTMENT OF ADMINISTRATION

Scott Walker, Governor
Ellen Nowak, Secretary
Dawn Vick, Division Administrator

September 6, 2018

Dear Tim,

We are writing with the results of your contribution to the V4 Statewide Parcel Map Database Project (V4). In order to aid your county in planning to meet the Searchable Format for parcel data each year, we have created the attached individual *V4 Observation Report*.

The report is focused on characteristics of the data you submitted for V4 and how it compares to the Searchable Format standard as laid out in the *Submission Documentation*. The intent is that the *V4 Observation Report* can be used as a checklist to help groom the county's data for the V5 data submission. As such, **the *V4 Observation Report* lists action items necessary for your county to achieve the Searchable Format** by the annual deadline of March 31st. SCO staff made every attempt to document all items necessary to meet the Searchable Format, nevertheless, please understand that this list may not be exhaustive. On the 2019 WLIP grant application, you will be asked to confirm that you will perform the data cleanup and standardization tasks described in the *V4 Observation Report* in order to meet the Searchable Format standard before submitting data for V5.

We have also included a copy of your *V3 Observation Report*, so you can compare and track progress over time. On a statewide level, it is noteworthy that the V4 statewide parcel layer contains gaps in geographic coverage in only 4 counties—down from 12 counties in 2014. However, there is still work to be done. For V4, about 53% of counties required follow-up for their data submission to be considered complete (up from 40% of counties last year). Ideally, all 72 counties will be able to meet the Searchable Format on their first attempt in future years!

There is great appreciation for all of your work, as we have received positive feedback from end-users throughout the state and beyond, in all sectors. The V4 statewide layer has been downloaded hundreds of times, a number that does not include visitors to the web app, downloads of individual county data, and hits to the parcel feature service hosted by the Legislative Technology Services Bureau at mapservices.legis.wisconsin.gov/arcgis/rest/services/WLIP.

Your Feedback Is Important!

As this project is a collaboration between many players at every level of government, it can only get better—and easier for you—if you are involved in the process. You are welcome to submit feedback on the statewide schema, data submission process, and geoprocessing tools at any time.

Feel free to contact me with general questions. For questions about the technical aspects of the attached report or your data, contact the project coordinator at the State Cartographer's Office, djvogel2@wisc.edu or 608-890-3793. Those who worked with vendors of tax parcel software may wish to forward this message on to them.

Thanks again for your contribution to the V4 public statewide parcel layer. We look forward to working with you in the future to make V5 a similar success.

Sincerely,

Peter Herreid

608-267-3369

Grant Administrator

Wisconsin Land Information Program

ACTION REQUIRED TO MEET STATEWIDE SCHEMA **PARCEL FEATURE CLASS**

WITH TAX ROLL DATA

- ✓ PARCELID
- ✓ TAXPARCELID
- ✓ PARCELDATE
- ✓ TAXROLLYEAR
- ✓ OWNERNME1
- ✓ OWNERNME2
- ✓ PSTLADDRESS
- ✓ SITEADDRESS
- ✓ ADDNUMPREFIX
- ✓ ADDNUM
- ✓ ADDNUMSUFFIX
- ✓ PREFIX – with standardized domains
- ✓ STREETNAME
- ✓ STREETTYPE – with standardized domains
- ✓ SUFFIX – with standardized domains
- ✓ LANDMARKNAME
- ✓ UNITTYPE
- ✓ UNITID
- ✓ PLACENAME
- ✓ ZIPCODE
- ✓ ZIP4
- ✓ STATE
- ✓ SCHOOLDIST – with standardized domains
- ✓ SCHOOLDISTNO – with standardized domains
- ✓ IMPROVED – with standardized domains
- ✓ CNTASSDVALUE
- ✓ LNDVALUE
- ✓ IMPVALUE
- ✓ FORESTVALUE
- ✓ ESTFMKVALUE
- ✓ NETPRPTA
- ✓ GRSPRPTA
- ✓ PROPCLASS – with standardized domains
- ✓ AUXCLASS – with standardized domains
- ✓ ASSDACRES
- ✓ DEEDACRES
- ✓ GISACRES
- ✓ CONAME – with standardized domains
- ✓ PARCELFIPS – with standardized domains
- ✓ PARCELSRC – with standardized domains
- ✓ –Projection met statewide schema
- ✓ –County parcel fabric was complete (lacked gaps)
- ✓ –Condo modeling met statewide schema

OTHER LAYERS – PLSS

- ✓ PLSS – PLSS corner data was submitted

OTHER LAYERS – RML

- ♦ Zoning: County general – with DESCRIPTION/LINK • (Unchanged from previous year – not submitted)
- * Zoning: Shoreland – with DESCRIPTION/LINK • Work toward zoning GIS layer and submit when one becomes available.
- ♦ Zoning: Airport protection – with DESCRIPTION/LINK • (Not administered by county)
- ✓ Other Layers – with standardized file names

SUBMISSION FORM & PACKAGE

- ✓ Provided .ini submission form + data

MISCELLANEOUS

- The comments provided in this V4 *Observation Report* describe deviations from the statewide schema that require your attention. In order for your county to meet the Searchable Format requirement listed under state statute 59.72(2)(a), you will need to make the corrections noted on this report—as well as the V1, V2, and V3 Observation Reports—and ensure that the datasets submitted in the future exactly match DOA's schema specifications.
- Remember, one way to make the annual submission process easier for you is to submit feedback to DOA/SCO at any time.
- Thanks for your work to prepare your data submission. End-users of the statewide parcel layer will appreciate your efforts!

ACTION REQUIRED TO MEET STATEWIDE SCHEMA **PARCEL FEATURE CLASS**

WITH TAX ROLL DATA

✓ PARCELID

✱ TAXPARCELID

✱ **TAXPARCELID:** This field must exist in the submitted dataset, however, it need not be populated. Do not provide values in TAXPARCELID field unless they are "different" from those in PARCELID field. If TAXPARCELID is the same as PARCELID, enter a true SQL <Null> for tax parcel ID.

✓ PARCELDATE

✓ TAXROLLYEAR

✓ OWNERNME1

✓ OWNERNME2

✓ PSTLADDRESS

✓ SITEADDRESS

✓ ADDNUMPREFIX

✓ ADDNUM

✓ ADDNUMSUFFIX

✓ PREFIX – with standardized domains

✓ STREETNAME

✓ STREETTYPE – with standardized domains

✓ SUFFIX

✓ LANDMARKNAME

✓ UNITYTYPE

✓ UNITID

✱ PLACENAME

✱ **PLACENAME:** Approximately 3 tax parcels with a value of <Null>. This value was acquired from neighboring parcels. Ensure this field is fully populated for future data submissions.

✓ ZIPCODE

✓ ZIP4

✓ STATE

✓ SCHOOLDIST – with standardized domains

✓ SCHOOLDISTNO – with standardized domains

✓ IMPROVED – with standardized domains

✓ CNTASSDVALUE

✓ LNDVALUE

✓ IMPVALUE

✓ FORESTVALUE

✱ ESTFMKVALUE

✱ **ESTFMKVALUE:** Approximately 12,887 records with a value of '0'. As discussed in email correspondence, please populate these values with <Null> as opposed to '0' as appropriate for future data submissions.

✓ NETPRPTA

✓ GRSPRPTA

✓ PROPCLASS – with standardized domains

✓ AUXCLASS – with standardized domains

✓ ASSDACRES

✓ DEEDACRES

✓ GISACRES

✓ CONAME – with standardized domains

✓ PARCFIPS – with standardized domains

✓ PARCELSRC – with standardized domains

✓ –Projection met statewide schema

✓ –County parcel fabric was complete (lacked gaps)

✓ –Condo modeling met statewide schema

CO. ZONING DATA✱ **County general** – with attributes✱ **Farmland preservation** – with attributes✱ **Shoreland** – with attributes✱ **Floodplain** – with attributes✱ **Airport protection** – with attributes

• Submit zoning data as a GIS layer according to statewide schema (lowest priority)

• Submit zoning data as a GIS layer according to statewide schema (lowest priority)

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• Submit zoning data as a GIS layer according to statewide schema (lowest priority)

• Submit zoning data as a GIS layer according to statewide schema (lowest priority)

OTHER LAYERS✱ **Other Layers** – with standardized file names

• The Other Layers submitted did not follow the required naming convention from Appendix E of the V3 Submission Documentation. Follow the naming convention for future submissions.

SUBMISSION FORM✓ **Submission form provided with initial submission****MISCELLANEOUS**

• The comments provided in this V3 *Observation Report* describe deviations from the statewide schema that require your attention. In order for your county to meet the Searchable Format requirement listed under state statute 59.72(2)(a), you will need to make the corrections noted on this report, and ensure that the datasets submitted in the future exactly match DOA's schema specifications.

• You are welcome to submit feedback on the statewide schema, data submission process, and geoprocessing tools at any time.

• Thank you for the work you did to prepare your data submission. We appreciate your efforts, as will the end-users of the statewide parcel layer!

V3(Old)
Compare!

DRAFT

Marinette County Land Information Plan 2019-2021



**Wisconsin Land Information Program
Wisconsin Department of Administration
101 East Wilson Street, 9th Floor
Madison, WI 53703
(608) 267-3369
www.doa.wi.gov/WLIP

Version: 2018-09-27

Approved/Adopted by Land Information Council on: 2018-**-**

CONTENTS

- EXECUTIVE SUMMARY3
- 1 INTRODUCTION4
- 2 FOUNDATIONAL ELEMENTS7
 - PLSS.....8
 - Parcel Mapping.....10
 - LiDAR and Other Elevation Data12
 - Orthoimagery.....13
 - Address Points and Street Centerlines.....14
 - Land Use15
 - Zoning.....16
 - Administrative Boundaries.....17
 - Other Layers19
- 3 LAND INFORMATION SYSTEM.....22
 - Public Access and Website Information27
- 4 CURRENT & FUTURE PROJECTS29
 - Project Plan for PLSS (Benchmark 4)30
 - Project #1: Update countywide Orthos32
 - Project #2: Maintain and Update Current Hardware and Software32
 - Project #3: Generation of Property Assessment and Property Tax Roll Data in Extensible Markup Language (XML) Format Project Description/Goal.....33
 - Project #4: Ongoing Annual Costs34
 - Project #5: Convert ROD Microfiche Images to Scanned Images.....34
 - Project #6: Continuing Website Development and Hosting for Improved Access to Land Records35
 - Project #7: Create Culvert Inventory for Highway Department36
 - Project #8: Create Sign Inventory for Highway Department36
 - Project #9: Scan and Index Survey Record Books and make available on County website37

EXECUTIVE SUMMARY

About this Document. This document is a land information plan for Marinette County prepared by the land information officer (LIO) and the Marinette County land information council. Under state statute 59.72(3)(b), a “**countywide plan for land records modernization**” is required for participation in the Wisconsin Land Information Program (WLIP). The purpose of this document is twofold: 1) to meet WLIP funding eligibility requirements necessary for receiving grants and retaining fees for land information, and 2) to plan for county land records modernization in order to improve the efficiency of government and provide improved government services to businesses and county residents.

WLIP Background. The WLIP, administered by the Wisconsin Department of Administration, is funded by document recording fees collected by register of deeds at the county-level. In 2018, Marinette County was awarded \$19,768 WLIP base-budget grant, a \$1,000 training & education grant, and a \$50,000 strategic initiative grant; and the annual retained fees collected in 2017 was \$80,232.

This plan lays out how the use of funds from grants and retained fees will be prioritized. However, as county budgets are determined on an annual basis with county board approval, this plan provides estimated figures that are subject to change and are designed to serve planning purposes only.

Land Information in Marinette County. Land information is central to county operations, as many essential services rely on accurate and up-to-date geospatial data and land records. A countywide land information system supports economic development, emergency planning and response, and a host of other citizen services. The Marinette County land information system integrates and enables efficient access to information that describes the physical characteristics of land, as well as the property boundaries and rights attributable to landowners.

Mission of the Land Information Office. In the next three years, Marinette County’s Land Information Office will strive to be recognized for its exceptional web-mapping site, gains in governmental efficiencies by broadening the utilization of GIS, improvements in parcel mapping accuracy, and responsiveness to meeting the land records needs of residents and businesses.

Land Information Office Projects. To realize this mission, in the next three years, the county land information office will focus on the following projects:

Marinette County Land Information Projects: 2019-2021	
Project #1	Update Countywide Orthophotography
Project #2	Maintain and Update Current Hardware and Software
Project #3	Generate Property Assessment and Property Tax Roll Data in XML Format
Project #4	Ongoing Annual Costs
Project #5	Convert ROD Microfiche Images to Scanned Images
Project #6	Continue Website Development and Hosting for Improved Access to Land Records
Project #7	Culvert Inventory
Project #8	Sign Inventory
Project #9	Scan and Index Survey Record Books

The remainder of this document provides more details on Marinette County and the WLIP, summarizes current and future land information projects, and reviews the county’s status in completion and maintenance of the map data layers known as Foundational Elements.

1 INTRODUCTION

In 1989, a public funding mechanism was created whereby a portion of county register of deeds document recording fees collected from real estate transactions would be devoted to land information through a new program called the Wisconsin Land Information Program (WLIP). The purpose of the land information plan is to meet WLIP requirements and aid in county planning for land records modernization.

The WLIP and the Land Information Plan Requirement

In order to participate in the WLIP, counties must meet certain requirements:

- Update the county's land information plan at least every three years
- Meet with the county land information council to review expenditures, policies, and priorities of the land information office at least once per year
- Report on expenditure activities each year
- Submit detailed applications for WLIP grants
- Complete the annual WLIP survey
- Subscribe to DOA's land information listserv
- Coordinate the sharing of parcel/tax roll data with the Department of Administration in a searchable format determined by DOA under s. 59.72(2)(a)

LAND INFORMATION

Any physical, legal, economic or environmental information or characteristics concerning land, water, groundwater, subsurface resources or air in this state.

'Land information' includes information relating to topography, soil, soil erosion, geology, minerals, vegetation, land cover, wildlife, associated natural resources, land ownership, land use, land use controls and restrictions, jurisdictional boundaries, tax assessment, land value, land survey records and references, geodetic control networks, aerial photographs, maps, planimetric data, remote sensing data, historic and prehistoric sites and economic projections.

– Wis. Stats. section 59.72(1)(a)

Any grants received and fees retained for land information through the WLIP must be spent consistent with the county land information plan.

Act 20 and the Statewide Parcel Map Initiative

A major development for the WLIP occurred in 2013 through the state budget bill, known as Act 20. It directed the Department of Administration (DOA) to create a statewide digital parcel map in coordination with counties.

Act 20 also provided more revenue for WLIP grants, specifically for the improvement of local parcel datasets. The WLIP is dedicated to helping counties meet the goals of Act 20 and has made funding available to counties in the form of Strategic Initiative grants to be prioritized for the purposes of parcel/tax roll dataset improvement.

For Strategic Initiative grant eligibility, counties are required to apply WLIP funding toward achieving certain statewide objectives, specified in the form of "benchmarks." Benchmarks for parcel data—standards or achievement levels on data quality or completeness—were determined through a participatory planning process. Current benchmarks are detailed in the WLIP grant application, as will be future benchmarks.

WLIP Benchmarks (For 2016-2018 Grant Years)

- Benchmark 1 & 2 – Parcel and Zoning Data Submission/Extended Parcel Attribute Set Submission
- Benchmark 3 – Completion of County Parcel Fabric
- Benchmark 4 – Completion and Integration of PLSS

More information on how Marinette County is meeting these benchmarks appears in the Foundational Elements section of this plan document.

County Land Information System History and Context

Marinette County has made many improvements and upgrades to the County Land Information System. We maintain the data for over 55,000 parcels. The parcel data, deeds, sanitary permits, survey records, floodplain, orthophotography, and other GIS information are all available online.

The goal of the County will continue to be the design, development and implementation of a Land and Geographic Information System that contains and integrates all land records within Marinette County to aid property owners, businesses and government agencies with the information necessary to make wise land use decisions for the promotion of the public health, safety, and general welfare of all who live in or visit Marinette County, as well as the protection of the natural resources of the County.

County Land Information Plan Process

County land information plans were initially updated every five years. However, as a result of Act 20, counties must update and submit their plans to DOA for approval every three years. The 2019-2021 plan, completed at the end of 2018, is the second post-Act 20 required update.

Plan Participants and Contact Information

Another requirement for participation in the WLIP is the county land information council, established by legislation in 2010. The council is tasked with reviewing the priorities, needs, policies, and expenditures of a land information office and advising the county on matters affecting that office.

According to s. 59.72(3m), Wis. Stats., the county land information council is to include:

- Register of Deeds
- Treasurer
- Real Property Lister or designee
- Member of the county board
- Representative of the land information office
- A realtor or member of the Realtors Association employed within the county
- A public safety or emergency communications representative employed within the county
- County surveyor or a registered professional land surveyor employed within the county
- Other members of the board or public that the board designates

The land information council must have a role in the development of the county land information plan, and DOA requires county land information councils to approve final plans.

This plan was prepared by the county LIO, the Marinette County Land Information Council, and others as listed below.

Marinette County Land Information Council and Plan Workgroup				
Name	Title	Affiliation	Email	Phone
Renee Miller +	Register of Deeds	Marinette County Register of Deeds Department	rmmiller@marinettecounty.com	715-732-7550
Bev Noffke +	County Treasurer	Marinette County Treasurer Office	bnoffke@marinettecounty.com	715-732-7430
Tina Barnes +	Real Property Lister	Marinette County Land Information Department	tbarnes@marinettecounty.com	715-732-7548
Ted Sauve +	County Board Member	Marinette County Board of Supervisors	tsauve@marinettecounty.com	
Greg Cleereman +	Land Information Director	Marinette County Land Information Department	gcleereman@marinettecounty.com	715-732-7783

Amy Shaffer +	WI Real Estate Broker	Crivitz Properties	shaffercrivitz@gmail.com	
Eric Burmeister +	Emergency Government Director	Marinette County Emergency Management Department	egov@marinettecounty.com	715-732-7660
Tim Oestreich +	Assistant Land Information Director Land Information Officer	Marinette County Land Information Department	toestreich@marinettecounty.com	715-732-7541

+ Land Information Council Members designated by the plus symbol

2 FOUNDATIONAL ELEMENTS

Counties must have a land information plan that addresses development of specific datasets or map layer groupings historically referred to as the WLIP Foundational Elements. Foundational Elements incorporate nationally-recognized "Framework Data" elements, the major map data themes that serve as the backbone required to conduct most mapping and geospatial analysis.

In the past, Foundational Elements were selected by the former Wisconsin Land Information Board under the guiding idea that program success is dependent upon a focus for program activities. Thus, this plan places priority on certain elements, which must be addressed in order for a county land information plan to be approved. Beyond the county's use for planning purposes, Foundational Element information is of value to state agencies and the WLIP to understand progress in completion and maintenance of these key map data layers.

FOUNDATIONAL ELEMENTS

- PLSS
- Parcel Mapping
- LiDAR and Other Elevation Data
- Orthoimagery
- Address Points and Street Centerlines
- Land Use
- Zoning
- Administrative Boundaries
- Other Layers

PLSS

Public Land Survey System Monuments

Layer Status

PLSS Layer Status	Status/Comments
Number of PLSS corners (selection, ¼, meander) set in original government survey that can be remonumented in your county	<ul style="list-style-type: none"> 4928
Number and percent of PLSS corners capable of being remonumented in your county that have been remonumented	<ul style="list-style-type: none"> 3836 (78%)
Number and percent of remonumented PLSS corners with survey grade coordinates (see below for definition) <ul style="list-style-type: none"> SURVEY GRADE – coordinates collected under the direction of a Professional Land Surveyor, in a coordinate system allowed by 236.18(2), and obtained by means, methods and equipment capable of repeatable 2 centimeter or better precision SUB-METER – point precision of 1 meter or better APPROXIMATE – point precision within 5 meters or coordinates derived from public records or other relevant information 	<ul style="list-style-type: none"> 2990 (61%) have survey grade coordinates 1938 (39%) have approximate coordinates
Number and percent of survey grade PLSS corners integrated into county digital parcel layer	<ul style="list-style-type: none"> 2990 (61%)
Number and percent of non-survey grade PLSS corners integrated into county digital parcel layer	<ul style="list-style-type: none"> 1938 (39%)
Tie sheets available online?	<ul style="list-style-type: none"> Yes https://mcgis.marinettescounty.com
Percentage of remonumented PLSS corners that have tie sheets available online (whether or not they have corresponding coordinate values)	<ul style="list-style-type: none"> 100%
Percentage of remonumented PLSS corners that have tie sheets available online (whether or not they have corresponding coordinate values) and a corresponding URL path/hyperlink value in the PLSS geodatabase	<ul style="list-style-type: none"> 100%
PLSS corners believed to be remonumented based on filed tie-sheets or surveys, but do not have coordinate values	<ul style="list-style-type: none"> 846
Approximate number of PLSS corners believed to be lost or obliterated	<ul style="list-style-type: none"> 403
Which system(s) for corner point identification/ numbering does the county employ (e.g., the Romportl point numbering system known as Wisconsin Corner Point Identification System, the BLM Point ID Standard, or other corner point ID system)?	<ul style="list-style-type: none"> U.S. Forest Service (Alpha-numeric) (3220T13)
Does the county contain any non-PLSS areas (e.g., river frontage long lots, French land claims, private claims, farm lots, French long lots, etc.) or any special situations regarding PLSS data for tribal lands?	<ul style="list-style-type: none"> No
Total number of PLSS corners along each bordering county	<ul style="list-style-type: none"> Forest County - 52 Florence County - 47 Oconto County - 144
Number and percent of PLSS corners remonumented along each county boundary	<ul style="list-style-type: none"> Forest County – 49 (94%) Florence County – 24 (51%) Oconto County – 144 (100%)
Number and percent of remonumented PLSS corners along each county boundary with survey grade coordinates	<ul style="list-style-type: none"> Forest County – 14 (27%) Florence County – 15 (32%) Oconto County – 98 (68%)
In what ways does your county collaborate with or plan to collaborate with neighboring counties for PLSS updates on shared county borders?	<ul style="list-style-type: none"> We have had discussions with neighboring counties about sharing the costs to remonument and determine coordinates along our boundaries.

Custodian

- Marinette County Land Information Department

Maintenance

- U.S.P.L.S. Monument Records are Survey Maps are filed in the Land Information Department. The documents are indexed, scanned and filed as staff time permits. Once processed, the documents are available online on our GIS websites.

Standards

- Statutory Standards for PLSS Corner Remonumentation.
 - s. 59.74, Wis. Stats. Perpetuation of section corners, landmarks.
 - s. 60.84, Wis. Stats. Monuments.
 - ch. A-E 7.08, Wis. Admin. Code, U.S. public land survey monument record.
 - ch. A-E 7.06, Wis. Admin. Code, Measurements.
 - s. 236.15, Wis. Stats. Surveying requirement.
- SURVEY GRADE standard from Wisconsin County Surveyor's Association:
 - **SURVEY GRADE** – coordinates collected under the direction of a Professional Land Surveyor, in a coordinate system allowed by 236.18(2), and obtained by means, methods and equipment capable of repeatable 2 centimeter or better precision.
 - **SUB-METER** – point precision of 1 meter or better.
 - **APPROXIMATE** – point precision within 5 meters or coordinates derived from public records or other relevant information.

Other Geodetic Control and Control Networks

HARN

Layer Status

- In 1997 Marinette County completed geodetic densification from stations within the Wisconsin High Accuracy Reference Network (HARN). The network consist of 25 - 1 & 2 ppm stations which were established using the 'Wisconsin Department of Transportation Standards and Specifications for GPS Surveys in Support of Transportation Improvement Projects, Draft 20, December 1994.' The GPS survey was performed according to B-order, Class I relative accuracy standards. Coordinate values are available in Marinette County, State Plane and Latitude and Longitude. The County assumes the custodial responsibility for the densified control stations.
- Recently the Wisconsin Department of Transportation added to the HARN network.

Custodian

- Marinette County Land Information Department

Maintenance

- Maintenance of the HARN network created by the County in 1997 has been non-existent since it was established. It is believed that a few of the stations have been destroyed and will need to be reestablished in the same location or a new location within close proximity of the old station.
- If and when new stations are added by the County the same minimum standard will be maintained.

Standards

Marinette County is in substantial compliance with all the standards identified below.

- The network consist of 28 - 1 & 2 ppm stations which were established using the 'Wisconsin Department of Transportation Standards and Specifications for GPS Surveys in Support of Transportation Improvement Projects, Draft 20, December 1994.' The GPS survey was performed according to B-order, Class I relative accuracy standards.

Parcel Mapping

Parcel Geometries

Layer Status

- **Progress toward completion/maintenance phase:** County-wide parcel layer is 100% complete. In Marinette County, 100% of the county's parcels are available in a commonly-used digital GIS format.
- **Projection and coordinate system:** NAD_1983_HARN_Adj_WI_Marinette_Feet
- **Integration of tax data with parcel polygons:** The County does have a parcel polygon model that directly integrates tax/assessment data as parcel attributes.
- **Esri Parcel Fabric/LGIM Data Model:** The county does not use or plan to implement the Esri Parcel Fabric Data Model, and/or Esri's Local Government Information Model.
- **Online Parcel Viewer Software/App and Vendor name:** Custom (M Power Integrator)
- **Unique URL path for each parcel record:** No. The County is able to generate a unique parcel record for each parcel. Attribute information that can be obtained is as follows: owner information, owner mailing address, owner site address, tax payment information, copy of tax bill previous and current assessment/fair market value information, Register of Deeds document numbers, property, acreage and property descriptions.

Custodian

- Property Listing Division of Land Information Department

Maintenance

- **Update Frequency/Cycle.** Parcel polygons are updated on the website annually and submitted to the State of WI DOA as part of the Statewide Parcel Map Database Project.
- Parcel maps are updated in Auto CAD as new deeds are recorded. Upon completion of all property boundary changes within a tax district the Auto CAD file is converted to polygons and made available on the County's GIS Website.

Standards

- **Data Dictionary:** Marinette County maintains ArcGIS Metadata.

Assessment/Tax Roll Data

Layer Status

- **Progress toward completion/maintenance phase:** NA
 - **Tax Roll Software/App and Vendor name:** Custom AS-400 is maintained in-house.
 - **Municipal Notes:** NA, as all tax listings and tax rolls are administered by Marinette County for all municipalities within the County.
- Property Listing Division of Land Information Department

Maintenance

- **Maintenance of the Searchable Format standard:** Marinette County will continue to maintain the data in a manner so that the data can be formatted to meet the Searchable Format. The county is looking at migrating our data off the AS-400 to another product and hopefully provide a better option for the Searchable Format.
- **Searchable Format Workflow:** The county maintains parcel/tax roll data in such a way that **requires significant formatting every year** by the county staff in-house. Data is downloaded from the County Land Records System and the Assistant Land Information Director reviews, calculates, and formats the data to meet Searchable Format.

Standards

- Wisconsin Department of Revenue [Property Assessment Manual](#) and attendant DOR standards.
- DOR XML format standard requested by DOR for assessment/tax roll data.

Non-Assessment/Tax Information Tied to Parcels

Permits (Sanitary and Shoreland Zoning)

Layer Status

- Sanitary Permits are indexed and scanned to our AS 400. The data is searchable and images are available online.
- Shoreland Zoning Permits are indexed and scanned to our AS 400. The data is searchable online.

Custodian

- Marinette County Land Information Department

Maintenance

- Records updated as new information becomes available.

Standards

Easements

Layer Status

- Easements are a layer on our parcels maps and are viewable online.

Custodian

- Property Listing Division, Marinette County Land Information Department

Maintenance

- Records updated as new information becomes available.

Standards

Non-Metallic Mining

Layer Status

- Marinette County maintains a Non-Metallic Mining Access database that can be linked using the parcel number field.

Custodian

- Marinette County Land Information Department

Maintenance

- Records updated as new information becomes available.

Standards

ROD Real Estate Document Indexing and Imaging

Layer Status

- **Grantor/Grantee Index:** Records from 1879 – Jan 1, 2000 are books. Jan 1, 2000 to present are maintained digitally.
- **Tract Index:** Back indexing of the tract is currently underway. Currently the tract is back indexed to about August 1992. Some of these images we scanned in from the fiche and work on the tract index when there is a break in the work. Tract index is PLSS-based. The tract index encompasses all legal description based documents.
- **Imaging:** Imaging for Register of Deeds is now on IMS 21 system and can be accessed by County staff and the public using Landshark.
- **ROD Software/App and Vendor Name:** Marinette County uses Landshark and the services of Trimin. Fees are either charged per document (statutory rate) or monthly (\$300/month starting 2019).

Custodian

- Marinette County Register of Deeds

Maintenance

- As errors are noted staff immediately correct the errors. Example: Recently upon reviewing the documents that were redacted, there were some that were not done correctly. The County took appropriate action to hire an LTE who went through the uploaded documents to make sure that what is available online through Landshark are the redacted documents. Upon completing of this project, the LTE will assist with back indexing scanned images.

Standards

- s. 59.43, Wis. Stats. Register of Deeds; duties, fees, deputies.
- ch. 706, Wis. Stats. Conveyances of real property; Recording; Titles.

LiDAR and Other Elevation Data

LiDAR

Layer Status

- **Most recent acquisition year:** 2015
- **Accuracy:** Unclassified point cloud dataset with a nominal point spacing of < 1 meter, a fundamental vertical accuracy Root Mean Square Error of $\leq 12.5\text{cm}$, and a fully classified point cloud dataset with a 95th percentile consolidated vertical accuracy of $\leq 36.3\text{cm}$. Deliverables for this project task include tiled unclassified (class 1) and fully classified bare earth (class 2) LiDAR point cloud datasets in the ASPRS LASer file format (ASPRS, LAS 1.2 Format Specification, 2-13).
- **Post spacing:** < 1m
- **Contractor's standard, etc.:** FEMA Standards
- **Next planned acquisition year:** None

Custodian

- Marinette County Land Information Department

Maintenance

- NA

Standards

- National Geospatial Program LiDAR Base Specification Version 1.2

LiDAR Derivatives

Bare-Earth Elevation Contours and Bare-Earth Digital Elevation Model (DEM).

Layer Status

- Bare-Earth Digital Elevation Model (DEM) processed in-house using ArcGIS 3D Analyst.
- 2 foot elevation contours processed in-house using ArcGIS 3D Analyst.

Custodian

- Marinette County Land Information Department

Maintenance

- NA

Standards

Other Types of Elevation Data

Layer Status

- NA

Custodian

- NA

Maintenance

- NA

Standards

- NA

Orthoimagery

Orthoimagery

Layer Status

- **Most recent acquisition year:** 2015
- **Resolution:** 12-inch
- **Contractor's standard:** WROC
- **Next planned acquisition year:** 2020
- **WROC participation in 2020:** Plan to participate.

Custodian

- Marinette County Land Information Department

Maintenance

- NA

Standards

- WROC

Historic Orthoimagery

Layer Status

- Marinette County has the following historic countywide digital datasets.
 - 2010 – 18" pixel, leaf-off, color
 - 2008 – 12" pixel, leaf-off, color
 - 2004 – 18" pixel, leaf-off, B/W
- Marinette County downloaded the following historic countywide digital datasets.
 - 2015 NAIP – 1m pixel, color
 - 2013 NAIP – 1m pixel, color
 - 2010 NAIP - 1m pixel, color
 - 2008 NAIP – 1m pixel, color
 - 2006 NAIP – 2m pixel, color
 - 2005 NAIP – 1m pixel, color
 - 1998 – 1m pixel, leaf-off, black and white

Custodian

- Marinette County Land Information Department

Maintenance

- NA

Standards

- NA

Other Types of Imagery

e.g., Oblique Imagery, Satellite Imagery, Infra-red, etc.

Layer Status

- NA

Custodian

- NA

Maintenance

- NA

Standards

- NA

Address Points and Street Centerlines

Address Point Data

Layer Status

- The County maintains address point data used for structure zone maps as listed in the Hazard mitigation plan. Creation of this point data was generated from the tax assessment data.

Custodian

- Marinette County Land Information Department

Maintenance

- Data is updated as needed (minimum of annually).

Standards

- All addresses are assigned by the local municipalities.

Building Footprints

Layer Status

- Not maintained by county.

Other Types of Address Information

e.g., Address Ranges

Layer Status

- Address ranges are attributes of the centerline data.

Custodian

- Marinette County Land Information Department

Maintenance

- As needed.

Standards

Street Centerlines

Layer Status

- The County has created a road centerline file for all named public and private roads and will continue to update and maintain this data set.

Custodian

- Marinette County Land Information Department

Maintenance

- Land Information Department staff maintain data as needed.

Standards

- Centerlines are attributed to be used as layer in the E911 software.

Rights of Way

Layer Status

- The right-of-way data is part of the parcel mapping process.

Custodian

- Marinette County Land Information Department

Maintenance

- Land Information Department staff as needed corrects existing data or adds new data.

Standards

- Mapped from deeds and surveys utilizing PLSS grid.

Trails

Recreational Trails

Layer Status

- Most recreation trails, including snowmobile, ATV, UTV and walking have been identified and mapped. Locations are maintained via the County GIS.

Custodian

- Marinette County Land Information Department and Parks and Forestry Department

Maintenance

- Data set is updated by Land Information Department staff when provided with new information concerning the recreational trails from the Marinette County Forestry and Parks Department or the various non-profit clubs tasked with the job to maintain the trail system throughout the County

Standards

- Mapping grade GPS or the trails if visible on ortho photos were or are digitized from the photo.

Land Use

Current Land Use

Layer Status

- The County worked in cooperation with BLRPC in 2000 to complete a Countywide land use inventory to coincide with the 2000 census.

Custodian

- Marinette County Land Information Department

Maintenance

- Current land uses will be updated when the County's comprehensive plan is updated or any local community's plan is updated.

Standards

- s. 66.1001, Wis. Stats. Comprehensive planning.
- Land use maps are typically created through a community's comprehensive planning process. Land use mapping for the County was generated through a patchwork of maps (data) from comprehensive plans adopted by municipalities and the County.

Future Land Use

Layer Status

- Each municipality in Marinette County currently has or will be identifying planned land use in their comprehensive plans. The County has been acquiring these data sets as they were created and are being updated.

Custodian

- Marinette County Land Information Department

Maintenance

- Future land use will be updated when the County's comprehensive plan is updated or any local community plans are updated.

Standards

- s. 66.1001, Wis. Stats. Comprehensive planning.
- Future land use maps are typically created through a community's comprehensive planning process. Future land use mapping for a county may be a patchwork of maps from comprehensive plans adopted by municipalities and the county.

Zoning

County General Zoning

Layer Status

- The County does maintain a GIS representation of county general zoning boundaries.

Custodian

- Zoning Division of the Land Information Department.

Maintenance

- As zoning amendments are adopted the zoning map is updated.

Standards

- Zoning boundaries follow parcel boundaries, roads and the PLSS grid.

Shoreland Zoning

Layer Status

- Administered by county but not in GIS format.
- Marinette County is in the process of creating a shoreland zoning layer. The hydrology has been updated in-house using our 2015 orthophotography and segments were assigned a shoreland designation. The final step will be creating and verifying the buffers for the shoreland zoning.

Custodian

- Zoning and Sanitary Division of the Land Information Department – Shoreland Zoning

Maintenance

- Data will be maintained as needed once the final data has been completed.

Standards

Farmland Preservation Zoning

Layer Status

- Not administered by county.

Floodplain Zoning

Layer Status

- The County does maintain a GIS representation of floodplain zoning boundaries.
- The County presently uses Digital Q3 Flood Data acquired from FEMA. The county's floodplain zoning GIS data is a representation of the FEMA paper map.
- Letters of Maps Change.
- FEMA has hired a consultant to modify or refine the floodway/flood fringe boundaries. This data is anticipated to be available in 2019 or 2020. LOMA data and case by case studies are available on County website.

Custodian

- FEMA – Floodplain Zoning

Maintenance

- FEMA

Standards

- FEMA

Airport Protection

Layer Status

- Not administered by County.

Municipal Zoning Information Maintained by the County

Town, City and Village Zoning

Layer Status

- Three municipalities utilize the County assistance to maintain their zoning maps. .

Custodian

- Local municipalities

Maintenance

- As directed by the municipalities.

Standards

- Local ordinance

Administrative Boundaries

Civil Division Boundaries

e.g., Towns, City, Villages, etc.

Layer Status

- Civil division boundaries dataset is complete and maintained by the County.
- Data is provided to the WI LTSB.

Custodian

- Marinette County Land Information Department

Maintenance

- County Clerk notifies LID about changes that are needed.

Standards

- Data contains the required attributes for submission to the State of Wisconsin.

School Districts

Layer Status

- **Progress toward completion/maintenance phase:** School Districts are complete and maintained by the County.
- **Relation to parcels:** The boundaries were created directly from the parcel attributes.
 - **Attributes linked to parcels:** The school district code is consistent with the parcel data.

Custodian

- Property Listing Division of the Land Information Department

Maintenance

- As needed.

Standards

- Created from Marinette County parcel data.

Election Boundaries

Voting Districts and Wards

Layer Status

- The Voting Districts and Wards are complete and maintained by the County.
- Ward data is submitted to the LTSB twice a year as required by the State Statutes.

Custodian

- Marinette County Land Information Department.

Maintenance

- Ward data is updated as annexations and/or boundary changes are recorded in the ROD Office.

Standards

- PLSS and parcel mapping standards.
- Data contains the required attributes for submission to the State of Wisconsin.

Utility Districts

e.g., Water, Sanitary, Electric, etc.

Layer Status

- Not administered by county.

Public Safety

Fire/Police Districts, Emergency Service Districts, and 911 Call Center Service Areas

Layer Status

- The EMS, Fire and Law Enforcement are complete and maintained by the County.
- The ESN Zones and 911 Call Center Service Areas are complete and maintained by the County.

Custodian

- Marinette County Land Information Department.

Maintenance

- Data is updated as needed. Data supports the Sheriff's Department and 911 Communication Center.

Standards

- Data contains the attributes as needed by the Sheriff's Department and 911 Communication Center.

Lake Districts

Layer Status

- Lake Districts are complete and maintained by the County.
- Lake Districts created directly from parcel attributes.

Custodian

- Marinette County Land Information Department.

Maintenance

- As needed.

Standards

- Data contains taxation code that relates to parcels.

Native American Lands

Layer Status

- County has no immediate plan to create a layer that depicts Native American Lands located within the County. However we believe if necessary it would be very easy because the layer would consist of one ¼ ¼ section of land located in the Town of Silver Cliff.

Other Administrative Districts

County Parks and Campgrounds

Layer Status

- County Parks and Campground data are complete and maintained by the County.

Custodian

- Marinette County Land Information Department and Parks and Forestry Department.

Maintenance

- As needed.

Standards

-

Other Layers

Hydrography Maintained by County or Value-Added

Value-Added Hydrography

Layer Status

- A line and polygon data set is complete and maintained by the County.
- Data includes some WDNR attributes.
- Positional accuracy updated with 2015 orthophotography.

Custodian

- Marinette County Land Information Department

Maintenance

- As needed.

Standards

Cell Phone Towers

Layer Status

- Not administered by County.

Bridges and Culverts

Layer Status

No data set created at this time. However, the County Highway Department may create this data set in the future.

Other

Railroads

Layer Status

- Railroads are complete and maintained by the County.

Custodian

- Marinette County Land Information Department

Maintenance

- As needed.

Standards

- Information compiled from parcels and orthophotography.

Non-Metallic Mining

Layer Status

- Non-Metallic Mining data is complete and maintained.
- Access database linked to permit number and parcel number.

Custodian

- Marinette County Land Information Department

Maintenance

- As needed.

Standards

Manure Storage Facilities

Layer Status

- Manure Storage Facilities data is complete and maintained.

Custodian

- Land and Water Conservation Division, Marinette County Land Information Department

Maintenance

- As needed.

Standards

Boat Landings.

Layer Status

- Dataset is complete and maintained.

Custodian

- Marinette County Land Information Department

Maintenance

- As needed.

Standards

- Boat landings were mapped using resource grade GPS.

Hazardous Materials Sites

Layer Status

- The County's Emergency Government Office will continue to maintain a database and associated files for these sites.

Custodian

- Marinette County Emergency Management

Maintenance

- As needed.

Standards

3 LAND INFORMATION SYSTEM

The WLIP seeks to enable land information systems that are both modernized and integrated. Integration entails the coordination of land records to ensure that land information can be shared, distributed, and used within and between government at all levels, the private sector, and citizens.

One integration requirement is listed under s. 16.967(7)(a)(1), Wis. Stats., which states that counties may apply for grants for:

- The design, development, and implementation of a land information system that contains and integrates, at a minimum, property and ownership records with boundary information, including a parcel identifier referenced to the U.S. public land survey; tax and assessment information; soil surveys, if available; wetlands identified by the department of natural resources; a modern geodetic reference system; current zoning restrictions; and restrictive covenants.

This chapter describes the design of the county land information system, with focus on how data related to land features and data describing land rights are integrated and made publicly available.

Current Land Information System

Marinette County Land Information System

Land Information Department:

Property Listing

- Lists/maintains property ownership information and assessment values.
- Creates/maintains parcel maps.
- Generates Tax Bills.
- Approves road names.
- Maintains physical addresses.

GIS

- Built and maintains County GIS website.
- Creates and maintains various GIS layers and data.
- Converts AutoCad parcel maps to polygons.
- Provides technical support to Emergency Government, Dispatch and Forestry and Parks.

Survey Records

- PLSS Perpetuation and remonumentation.
- Maintain survey record files including the scanning and indexing of new records.

Zoning/Sanitary

- Administer County land use regulations (Zoning, Floodplain, Sanitary, Non-Metallic Mining).
- Issue, scan, file and maintain permits.
- Comprehensive planning.

Land Conservation

- Maintain records documenting County Conservation practices.

Register of Deed's Department

- Record, scan and index various documents (Deeds, CSM's, Subdivisions, Birth and Marriage Certificates, Mortgages and other land related documents).
- Submits real estate transfer returns to State.

County Treasurer's Department

- Receipts tax bill payments.
- Conducts In-Rem tax foreclosure.

County Clerk's Department

- Redistricting County and Municipal Wards.
- Polling Information for voting.

Local Municipality/Assessor

- Assess Property.
- Conduct Board of Review.
- Submit Statement of Assessment.

Dispatch (911)

- Maintains MSAG.

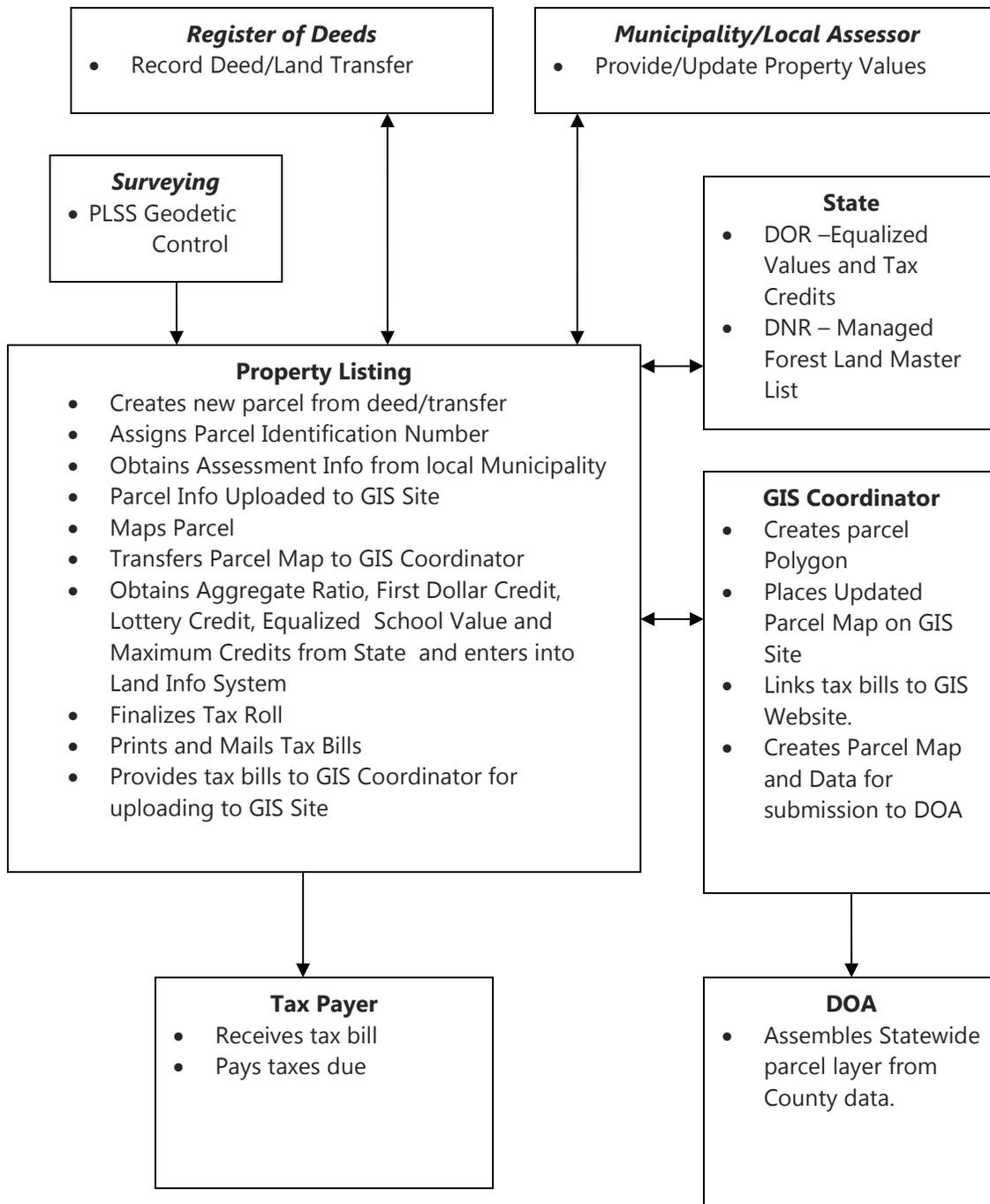
Emergency Management

- Maintains records of public facilities and other important infrastructure.
- Maintains records of hazardous substance located within or passing through County.

Forestry and Parks Department

- Maintains records of County forest lands, trails, roads and other recreational facilities.

County Parcel Data Workflow Diagram



Technology Architecture and Database Design

This section refers to the hardware, software, and systems that the county uses to develop and operate computer systems and communication networks for the transmission of land information data.

Hardware

The following hardware, software and communications networks are used to develop and operate the County's Land Information system.

Scanning/Imaging	<i>IMS 21</i>	<i>Pc's & IMS 21 Server</i>
Parcel Mapping	<i>AutoCad Map 3D</i>	<i>PC's</i>
Zoning/Sanitary Data Base	<i>In-house Program</i>	<i>AS400</i>
ROD System	<i>LandShark</i>	<i>ROD Server</i>
GIS Website	<i>Infrastructure Map Server/MPower Integrator/SQL</i>	<i>GIS Server</i>
GIS Projects	<i>ERSI Arcmap and Arcinfo</i>	<i>PC's</i>
Tax Listing	<i>In-house Program</i>	<i>AS400</i>

Software

- See Hardware.

Website Development/Hosting

Type of Website	Software or App	URL	Update Frequency/Cycle
GIS Site	<i>MPower Integrator, IMS 21, Infrastructure Map Server and SQL</i>	http://mcgis.marinettecounty.com/	Weekly
ROD Land Records	<i>LandShark</i>	http://landshark.marinettecounty.com/LandShark/registration.jsp	Daily
Zoning/Sanitary Information	<i>MPower Integrator, IMS 21, Infrastructure Map Server and SQL</i>	http://mcgis.marinettecounty.com/	Weekly
PLSS Monument Records/Surveys	<i>MPower Integrator, IMS 21, Infrastructure Map Server and SQL</i>	http://mcgis.marinettecounty.com/	Weekly
Parcel Information/ Tax Bills/Taxes Owed	<i>MPower Integrator, IMS 21, Infrastructure Map Server and SQL</i>	http://mcgis.marinettecounty.com/	Weekly

- *

Metadata and Data Dictionary Practices

Metadata Creation

- **Metadata creation and maintenance process:** Marinette County uses Esri's ArcCatalog to create and maintain metadata.

Metadata Software

- **Metadata software:** ArcCatalog
 - The software does generate metadata consistent with the FGDC Content Standard for Digital Geospatial Metadata, and ISO geographic metadata standard 19115.

- **Metadata fields manually populated:** Field description (attributes) are manually populated if created for a GIS layer.

Metadata Policy

- **Metadata Policy:** No requirements.

Municipal Data Integration Process

- Municipalities within Marinette County have little data available for integration within the County's land information system.

Public Access and Website Information

Public Access and Website Information (URLs)

Public Access and Website Information

GIS Webmapping Application(s)

Link - URL	GIS Download Link - URL	Real Property Lister Link - URL	Register of Deeds Link - URL
http://mcgis.marinetcounty.com/	None	http://mcgis.marinetcounty.com/	http://landshark.marinetcounty.com/LandShark/registration.jsp

Single Landing Page/Portal for All Land Records Data

URL

<http://mcgis.marinetcounty.com/>

Data Sharing

Data Availability to Public

Data Sharing Policy

- Marinette County offers most of our GIS data available on our website. Parcel, assessment data, taxes, survey maps, USPLS monument records, sanitary permits, road information LOMA and floodplain information are available via the website.

Open Records Compliance

- Marinette County has always attempted to comply with Wisconsin's Open Records Law regarding requests for GIS data and records.

Data Sharing Restrictions and Government-to-Government Data Sharing

Data Sharing Restrictions

- Other than a licensing agreement the County has no data sharing restrictions. The County does charge for staff time associated with the cost of transferring data and the cost of the media used to transfer the data.

Government-to-Government Data Sharing

- No licensing agreement is necessary and no costs are charged provided the government entity is willing to reciprocate.

Training and Education

- Attend WLIA conferences and training sessions whenever possible. Obtain additional training from other sources to supplement WLIA training.

4 CURRENT & FUTURE PROJECTS

This chapter lists the current and future land information projects the county is currently undertaking or intends to pursue over its planning horizon. A project is defined as a temporary effort that is carefully planned to achieve a particular aim. Projects can be thought of as the *means* to achieving the county's mission for its land information system.

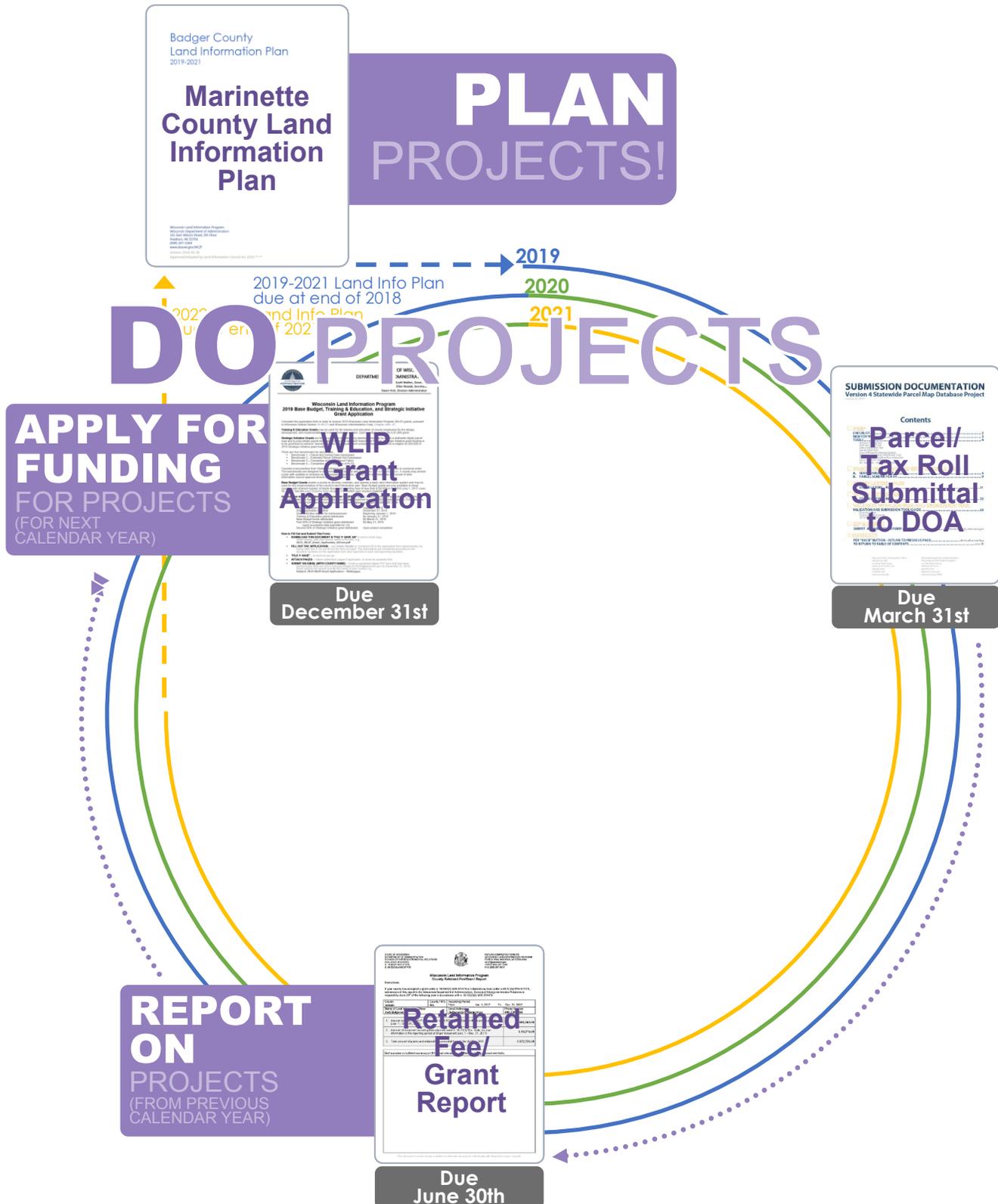


Figure 1. The WLIP Land Information Plan/Grant Project Cycle

Project Plan for PLSS (Benchmark 4)

Project Title: Project Plan for PLSS (Benchmark 4)

Project Description/Goal

Planned Approach

- Preserve existing PLSS monuments from being destroyed by municipal road projects and remonument those PLSS corners located in high densities of private land before remonumenting those PLSS corners in or adjacent to County or State Land.
- Contract with a Wisconsin Professional Land Surveyor.

Current Status

- **Tally of the total number of corners:** See PLSS Layer Status table in Chapter 2.
- **Re monumentation status:** See PLSS Layer Status table in Chapter 2.
- **Coordinate status (accuracy class) if known:** See PLSS Layer Status table in Chapter 2.

Goals

- **Number of corners to be remonumented and/or rediscovered:** As many as possible
- **Number to have new coordinates established:** As many as possible
- **Accuracy class for these new coordinates:** SURVEY GRADE
- **Way in which these points will be integrated into the parcel fabric:** Property Listing will incorporate the new coordinates into the parcel mapping.

Missing Corner Notes

- **Documentation for any missing corner data:** Marinette County is the 3rd largest County geographically in the State of Wisconsin. It has over 235,000 acres of County forest lands and 15,000 additional acres of State owned forest or recreational land. Completing the remonumenting, rediscovering, and establishing of survey grade coordinates for all PLSS corners is decades away. The cost associated with complete PLSS remonumentation countywide has been prohibitive. The goal is to maintain existing corners, remonument, rediscover, and establish survey grade coordinates for all PLSS corners located within those **areas of the highest density of private land first** and then proceed to those areas that have little to no private land. The County intends to use Strategic Initiative grant funding for PLSS work unless some project deemed to be of a higher priority arises.

County Boundary Collaboration

- The County will explore sharing the costs of remonumentation with our neighboring Counties.

Business Drivers

- The Project Plan for PLSS is a requirement for those counties who utilize Strategic Initiative funds for work related to PLSS completion and integration.

Objectives/Measure of Success

- The objective is to meet Benchmark 4 (Completion and Integration of PLSS) by 2050.

Project Timeframes

Timeline – Project Plan for PLSS **Example**		
Milestone	Duration	Date
Project start	–	January 1, 2019
Hire contractor	1 month	January 1-31, 2019
Contractor remonumentation	1 year	Feb 1, 2019-Feb 1, 2020
Project complete	–	February 1, 2020

Responsible Parties

- Marinette County Land Information Department

Estimated Budget Information

- See table at the end of this chapter.

Project #1: Update countywide Orthos

Project Description/Goal

- Acquire countywide ortho photos.
- **Land Info Spending Category:** Orthoimagery

Business Drivers

- Orthos will be available to public on website.
- Orthos will assist county staff with parcels, non-metallic mining and shoreland zoning.
- Orthos will be utilized by other county departments.
- WROC

Objectives/Measure of Success

- County wide color leaf off orthophotography.

Project Timeframes

Timeline – Project #1 Update Countywide Orthos		
Milestone	Duration	Date
Project #1 start	–	Jan 1, 2020
Contract with consultants and flight	7 months	Jan 1–July 30 2020
Q and A	3 months	Aug 1–Oct 30, 2019
Final delivery and distribution	1 months	Dec 31, 2020

Responsible Parties

- Contractors (90%) and Land Information Department Staff (10%).

Estimated Budget Information

- See table at the end of this chapter.

Project #2: Maintain and Update Current Hardware and Software

Project Description/Goal

- County goal is to maintain and improve (available on mobile devices) its current Land Information related software. In addition the County intends to migrate all land records data off the AS400 to a new integrated land records system yet to be determined.
- Departments included would Property Listing, Zoning, Sanitation, Survey Records, Treasurer and Register of Deeds.
- **Land Info Spending Category:**
- Software
- Hardware
- Administrative Activities and Management

Business Drivers

- Stability of platform
- Improve system capabilities and compatibility with other systems.

Objectives/Measure of Success

- Meet all County agency needs
- Availability of County land records on mobile devices.

Project Timeframes

Timeline – Project #2 Maintain and Update Current Hardware and Software		
Milestone	Duration	Date
Project #2 start	–	Oct 1, 2018
RFP Creation	12 months	Oct 1, 2018 –Oct 1 2019
Selection of Contractor	1 month	Oct 1 –Oct 30, 2019
Data Conversion	9 months	Nov 1, 2019- July 31, 2020
Project Completion		Aug 1. 2020

Responsible Parties

- Marinette County Land Information Staff, IS Department and Selected Contractor

Estimated Budget Information

- See table at the end of this chapter.

Project #3: Generation of Property Assessment and Property Tax Roll Data in Extensible Markup Language (XML) Format Project Description/Goal

- Create a mechanism (software and procedure) to transfer property assessment and property tax roll data in XML format to ensure efficient government and simplify the exchange of information.
- **Land Info Spending Category:** Other parcel work

Business Drivers

- Wisconsin Department of Revenue Mandate

Objectives/Measure of Success

- Successful download of property assessment and property tax roll data in XML format.

Project Timeframes

- Completion will depend upon new software from Project # 2

Timeline – Project #3 Generation of Property Assessment and Property Tax Roll Data in Extensible Markup Language (XML) Format Project Description/Goal		
Milestone	Duration	Date
Project #3 start	–	Jan 1, 2020
Project Completion		Aug 1. 2020

Responsible Parties

- Marinette County Land Information Staff, IS Department and Selected Contractor

Estimated Budget Information

- See table at the end of this chapter.

Project #4: Ongoing Annual Costs

Project Description/Goal

- To fulfill the activities associated with furthering the objectives of this plan and land records modernization within Marinette County. This may include ongoing expenditures, staffing costs for general tasks like production of maps for other county departments and responding to public requests for GIS data, staff training costs, hardware/software maintenance, supplies and other general expenditures. Impacts Foundational Elements: All foundational elements.
- **Land Info Spending Category:** Software, Hardware, Training and Education, and general supplies.

Business Drivers

- Businesses, Property Owners, Visitors, State, County and Local Municipalities.

Objectives/Measure of Success

- Continue to maintain and improve land record acquisition and availability.

Project Timeframes

Timeline – Project #4 Ongoing Annual Costs		
Milestone	Duration	Date
Supplies, Expenses and Staff Training	Annual	Jan - Dec

Responsible Parties

- Land Information Department Staff, Land Information Council, Land Information Committee, County Board, and County Administrator

Estimated Budget Information

- See table at the end of this chapter.

Project #5: Convert ROD Microfiche Images to Scanned Images

Project Description/Goal

- Purchase a ScanPro 3000 fiche reader to make copies of documents from fiche. Then use the copies to make a digital image and make all documents available online for viewing through Landshark.
- **Land Info Spending Category:** Other Parcel Work

Business Drivers

- ScanPro 3000 is an ultra-high definition fiche reader.
- Give the ROD office the ability to make images for this project but we would then continue to have the fiche reader in the office for instances where we might still need to read fiche.
- Making these documents into digital images would make it convenient for our customers (title companies) who are not in the Marinette Area to view and purchase documents online.

Objectives/Measure of Success

- Approximately 150,000 images would need to be reproduced and uploaded into the land record system, this would be done by ROD staff.
- Said images would then need to be indexed to grantor/grantee and tract, this would be done by ROD staff.

- Once complete our customers will be able to search Marinette County documents via Landshark.

Project Timeframes

Timeline – Project #5 Convert ROD Microfiche Images to Scanned Images		
Milestone	Duration	Date
Project #5 start	–	Jan 1, 2020
Convert microfiche to images, download and Index images	12 months	Aug 1, 2020 – Dec 31,2020

Responsible Parties

- ROD staff to convert, download and index images.

Estimated Budget Information

- See table at the end of this chapter.

Project #6: Continuing Website Development and Hosting for Improved Access to Land Records

Project Description/Goal

- Continue to update, maintain and develop the website for public access.
- Maintain virtual server to host website.
- Move from Autodesk Infrastructure Map Server to Open Source or ESRI map Server.
- **Land Info Spending Category:** Website Development/Hosting Services, Software, and Hardware.

Business Drivers

- County Staff needs.
- Continue to provide the public as much information as possible.

Objectives/Measure of Success

- To increase the output of County data to the public via County's mapping website applications and create additional apps for further distribution of data pertinent to the public interest.

Project Timeframes

Timeline – Project #6 Continuing Website Development and Hosting for Improved Access to Land Records		
Milestone	Duration	Date
Project #6 start	–	Jan 1, 2019
Maintain and update website	3 years	Jan 1, 2019 – Dec 31,2021

Responsible Parties

- Marinette County Land Information Department, IS Department and Contractor

Estimated Budget Information

- See table at the end of this chapter.

Project #7: Create Culvert Inventory for Highway Department

Project Description/Goal

- Create a Culvert Inventory meeting the needs of the Highway Department and integrating with parcel layer.
- **Land Info Spending Category:** Other Parcel Work

Business Drivers

- Marinette County Highway Department

Objectives/Measure of Success

- Create a Culvert Inventory meeting the needs of the Highway Department and integrating with parcel layer.

Project Timeframes

Timeline – Project #7 Create Culvert Inventory for Highway Department		
Milestone	Duration	Date
Project #7 start	–	Jan 1, 2019
Create inventory format and collect data	3 years	Jan 1, 2019 – Dec 31,2021

Responsible Parties

- Marinette County Highway Department and Land Information Department

Estimated Budget Information

- See table at the end of this chapter.

Project #8: Create Sign Inventory for Highway Department

Project Description/Goal

- Create a Sign Inventory meeting the needs of the Highway Department and integrating with parcel layer.
- **Land Info Spending Category:** Other Parcel Work

Business Drivers

- Marinette County Highway Department

Objectives/Measure of Success

- Create a Sign Inventory meeting the needs of the Highway Department and integrating with parcel layer.

Project Timeframes

Timeline – Project #8 Create Sign Inventory for Highway Department		
Milestone	Duration	Date
Project #8 start	–	Jan 1, 2019
Create inventory format and collect data	3 years	Jan 1, 2019 – Dec 31,2021

Responsible Parties

- Marinette County Highway Department and Land Information Department

Estimated Budget Information

- See table at the end of this chapter.

Project #9: Scan and Index Survey Record Books and make available on County website

Project Description/Goal

- Scan and index survey and index survey record books. Books would indexed by legal description (Section-Town-Range).
- Make images available on website.
- **Land Info Spending Category:** PLSS and Other Parcel Work

Business Drivers

- Marinette County Land Information Department
- Professional Land Surveyors, Abstractors, Real Estate Professionals and Public.

Objectives/Measure of Success

- Scan and index survey record books and make available on website.

Project Timeframes

Timeline – Project #9 Scan and Index Survey Record Books and make available on County website		
Milestone	Duration	Date
Project #9 start	–	Jan 1, 2019
Scan and index books	3 years	Jan 1, 2019 – Dec 31,2021

Responsible Parties

- Marinette County Land Information Department

Estimated Budget Information

- See table at the end of this chapter.

Completed Projects

- Completed updating Tax Bill format to incorporate 2015-2017 State Budget required changes.
- Updated Hydrology layers using 2015 orthos.
- Completed PLSS Maintenance, Remonumentation and Measurement Project in T32N-R20E (9 corners).
- Completed PLSS Maintenance, Remonumentation and Measurement Project in T35N-R20E (63 corners).
- Completed PLSS Maintenance, Remonumentation and Measurement Project in T36N-R20E (36 corners).

Estimated Budget Information (All Projects)

Estimated Budget Information

Project Title	Item	Unit Cost/Cost	Land Info Plan Citations Page # or section ref.	Project Total
Project Plan For PLSS (Benchmark 4)	Contractor	\$50,000 per year	Page 30	\$150,000
1) Update Countywide Orthos	Contractor	\$115,000	Page 32	\$115,000
2) Maintain and Update Current Hardware and Software	Contractor	\$250,000	Page 32	\$250,000
3) Generation of Property Assessment and Property Tax Roll Data in XML format	Programing to create download in XML Format/ including purchase of software and staff training	\$49,000		
	Admin and Testing of Programming	\$1,000	Page 33	\$50,000
4) Ongoing Annual Costs	Supplies, Expenses and Staff Training	\$10,000 per year	Page 34	\$30,000
5) Convert ROD Microfiche Images to Scanned Images	Purchase Scanner and Computer	\$15,000		
	Convert Microfiche to Scanned Images LTE(s)	\$12.66/hour \$30,000		
	Indexing of Images by LTE(s)	\$12.66/hour \$30,000	Page 34	\$75,000
6) Continuing Website Development and Hosting for Improved Access to Land Records	County Staff, Hardware, Software and Contractor costs	\$10,000 per year	Page 35	\$30,000
7) Culvert Inventory	Hardware and Software	\$10,000		
	Data collection and creation	\$40,000	Page 36	\$50,000
8) Sign Inventory	Hardware and Software	\$10,000		
	Data collection and creation	\$40,000	Page 36	\$50,000
9) Scan and Index survey record books	Contractor	\$10,000	Page 37	\$10,000
GRAND TOTAL				\$810,000

Note. These estimates are provided for planning purposes only. Budget is subject to change.





STATE OF WISCONSIN
DEPARTMENT OF ADMINISTRATION

Scott Walker, Governor
Ellen Nowak, Secretary
Dawn Vick, Division Administrator

**Wisconsin Land Information Program
2019 Base Budget, Training & Education, and Strategic Initiative
Grant Application**

Complete this application form in order to receive 2019 Wisconsin Land Information Program (WLIP) grants, pursuant to Wisconsin Statute Section 16.967(7) and Wisconsin Administrative Code, Chapter Adm. 47.

Training & Education Grants may be used for the training and education of county employees for the design, development, and implementation of a land information system. Each county is eligible for a \$1,000 grant.

Strategic Initiative Grants are for the purposes of addressing statutory directives to create a statewide digital parcel map and to post certain parcel information online in the standard Searchable Format. Strategic Initiative grant funding is to be prioritized to achieve “benchmarks” for parcel quality and completeness. Each county is eligible for \$50,000 in 2019 Strategic Initiative grant funding.

There are four benchmarks for parcel data:

- Benchmark 1 – Parcel and Zoning Data Submission
- Benchmark 2 – Extended Parcel Attribute Set Submission
- Benchmark 3 – Completion of County Parcel Fabric
- Benchmark 4 – Completion and Integration of PLSS

Counties must prioritize their Strategic Initiative grant activities toward achieving the benchmarks in numerical order. The benchmarks are designed to complement and dovetail with the county land information plan. A county may amend a plan with updates or revisions as appropriate. If amended, a copy of the amended plan and record of land information council approval should be sent to the WLIP.

Base Budget Grants enable a county to develop, maintain, and operate a basic land information system and may be used for the implementation of the county’s land information plan. Base Budget grants are only available to those counties with retained register of deeds document recording fees of less than \$100,000 in State FY 2018 (July 1, 2017–June 30, 2018). See the grant eligibility table on page 8 to confirm your county’s eligibility.

Applications should be submitted by December 31, 2018 or earlier. Please submit the application by emailing a digital PDF form that has been electronically filled-out (*not* a scanned image) to WLIP@wisconsin.gov. For questions, please contact the WLIP grant administrator at peter.herreid@wisconsin.gov or (608) 267-3369.

Grant application released	September 17, 2018
Grant application deadline	December 31, 2018
Grant activities eligible for reimbursement	Beginning January 1, 2019
Training & Education grants distributed	By February 28, 2019
Base Budget funds distributed	By April 30, 2019
First 50% of Strategic Initiative grant distributed (upon successful data submittal for V5)	By June 30, 2019
Second 50% of Strategic Initiative grant distributed	Upon grant project completion

How to Fill Out and Submit This Form:

- **DOWNLOAD THIS DOCUMENT & "FILE ► SAVE AS"** to save a local copy.
When saving, add your county name to the end, e.g.,
2019_WLIP_Grant_Application_StCroix.pdf
- **FILL OUT THE APPLICATION** – use Adobe Reader or Acrobat to fill in the application form electronically, by typing data into it. Do *not* fill out the form by hand. The instructions are numbered according to the question numbers on the application form and hyperlink to each corresponding question.
- **"FILE ► SAVE"** – to save as you go
- **ATTACH PAGES** – Attach addendum pages if applicable, or email as separate files
- **SUBMIT VIA EMAIL (WITH COUNTY NAME)** – Email a completed digital PDF form that has been electronically filled-out (*not* a scanned image) to WLIP@wisconsin.gov by December 31, 2018. Email subject line should include the name of your county, e.g.,
Subject: 2019 WLIP Grant Application - Forest

Training & Education Grant Application Instructions

- TE_#1** County submitted a draft 2018 land information plan to DOA? All counties updated their county land information plan in 2018 to meet s. 59.72(3)(b). Wisconsin Administrative Code, Chapter Adm. 47.06(3) requires that projects must be consistent with an approved county land information plan (also referred to as a county-wide land records modernization plan).
- TE_#2** Enter date of last county land information council meeting. According to s. 59.72(3m)(b), the county land information council shall review the priorities, needs, policies, and expenditures of a land information office and advise the county on matters affecting the land information office. The land information council must have met within the last 12 months for the county to be eligible for a WLIP grant.
- TE_#3** LIO subscribed to the Land Information Officer's listserv? Applicants must subscribe to the WLIP's e-mail listserv, doa-landinfo@lists.wi.gov.
- TE_#4** County's Retained Fee/Grant Report for 2017 submitted? According to s. 59.72(2)(b), a county must submit an annual report to DOA on WLIP retained fee and grant spending. All counties submitted a *Retained Fee/Grant Report* for 2017.
- TE_#5** Training & Education Award Eligible. The amount of \$1,000 is available to each county for 2019 Training & Education grants.
- TE_#6** Training & Education Award Amount Requested. Enter the amount requested (up to \$1,000).
- TE_#7** Brief Description of Intended Expenditures for Training & Education Grant. Provide information on plans to utilize the Training & Education grant funding. Aim for less than 1,800 characters. The font size will shrink as you type, becoming smaller to accommodate more text.
- TE_#8** Statement and Authorization of Land Information Officer. Land information officer name (typed) and date are required. Do not sign and scan the form. Handwritten signatures are *not* required. Submit the application by emailing a digital PDF form that has been electronically filled-out (*not* a scanned image) to WLIP@wisconsin.gov.

Strategic Initiative Grant Application Instructions

- SI_#1** Strategic Initiative Award Eligible. The amount of \$50,000 is available to each county for 2019 Strategic Initiative grants.
- SI_#2** Strategic Initiative Award Amount Requested. Enter the amount requested (up to \$50,000).
- SI_#3** Will the county use 2019 Strategic Initiative Funding to work toward Benchmark 1 and 2 in the Searchable Format in the first quarter of 2019? Indicate whether the county will use grant funding to work toward Benchmark 1 and Benchmark 2 in the Searchable Format. The county must meet the Searchable Format standard for the Version 5 Statewide Parcel Map Database Project (V5) data submittal, using grant funds to do so if necessary. V5 data submittals will be due March 31, 2019.

Figure 1 on the following page summarizes the benchmarks. For Benchmark 1 and 2 specifications, see the Submission Documentation. Note that the Submission Documentation may be tweaked for V5, with an effort to clarify and be consistent with previous versions of the Submission Documentation.

Searchable Format. In the Searchable Format, the county data submittal is ready for immediate aggregation into the statewide parcel layer. The county performs all data standardization and clean-up before submitting data. Data exactly matches the Searchable Format standard. The Searchable Format is defined in detail in the Submission Documentation. Note that the Submission Documentation may be tweaked for V5, with an effort to clarify and be consistent with the Submission Documentation for V4.



Figure 1. Summary of 2019 benchmarks. The Searchable Format for Benchmarks 1 & 2 and other data submission requirements are detailed in the Submission Documentation.

Strategic Initiative Grant Application Instructions (Continued)

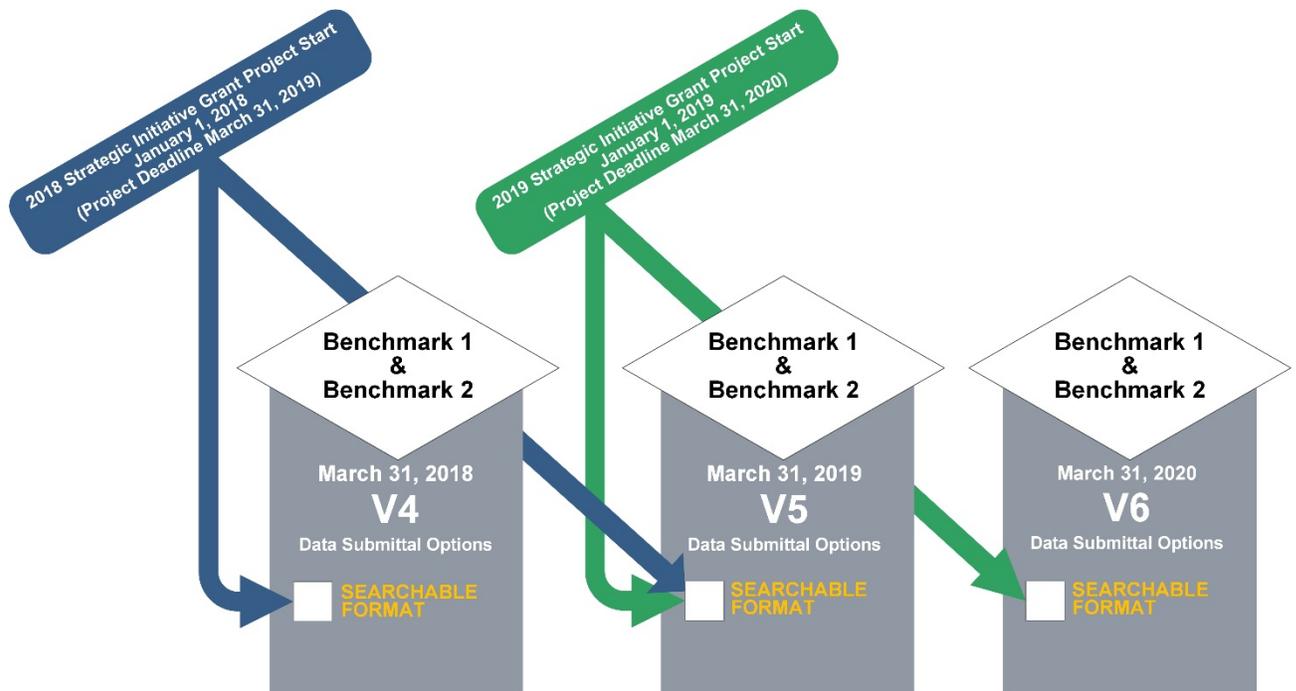


Figure 2. Strategic Initiative grant project timeline, where projects can span a calendar year plus one quarter

SI_#4 Will the county use 2019 Strategic Initiative Funding to work toward and/or maintain the Searchable Format for V6 in the first quarter of 2020? Figure 2 illustrates the timeline for Strategic Initiative projects. 2019 projects have a completion deadline of March 31, 2020—the projected V6 data submission deadline. For V6, the Searchable Format will be the required format for data submittal. Indicate whether the county will use 2019 Strategic Initiative grant funding to work toward and/or maintain the Searchable Format for V6 by March 31, 2020.

SI_#5 **Benchmark 1 and 2 Land Information Plan Citations.** Provide only if you answered “Yes” to SI_#3 and/or SI_#4 above. List the corresponding citation (section and page numbers) from the county’s land information plan for the *Project Plan to Achieve the Searchable Format for Benchmarks 1 & 2*.

LIO certification upon data submission. Land information officers will be required to certify that data meets the standards for Benchmark 1 and 2 upon submission of data for V5. Counties will certify their own level of attribute completeness relative to an *element occurrence standard*. This means that if an element (such as a property address, a total assessed value, total property tax value, etc.) actually occurs for a given parcel, then this element should be included in the submitted dataset. This also means that there may be justifiable omissions from the submitted dataset. Examples might be missing tax data for tax exempt properties, no address when no structure is present on a property, etc. Data elements must be included only if they actually occur.

SI_#6 **Benchmark 1 and 2 Project Activities and Costs.** For Benchmark 1 and 2, provide costs for the project to be paid with WLIP Strategic Initiative grant funds. Itemize costs where possible. Costs may be estimates determined through quotes received from vendors for specific activities. However, please do **not** include vendor estimates as attachments with the completed application you submit. Type a concise description for each itemized cost, beginning with row1, column1. Enter dollar amount in column2 of row1. Then proceed to row2. The font size will shrink as you type, becoming smaller to accommodate more text. Aim for less than 40 characters per line.

Note on staff funding. The county may either utilize the expertise of existing county staff or hire contractors from the private sector as part of Strategic Initiative grant expenses. As long as county staff activities funded by the Strategic Initiative grant are for the purposes specified in the grant application, it is acceptable to use grant funds to reimburse county or municipal staff. However, **staff time must be broken down** into specific project activities under one or more Strategic Initiative benchmarks.

SI_#7 **Benchmark 1 and 2 Total Costs.** Maximum value is \$50,000. The “Total Costs” boxes are self-adding, which means they calculate the total automatically from the Itemized Costs boxes. Include *only* Strategic Initiative funds in total costs, which may **not exceed \$50,000** on this application form.

- SI_#8** Will the county perform all of the data cleanup and standardization tasks described in the *V4 Observation Report* in order to meet the Searchable Format standard before submitting data for the **V5** call for data by March 31, 2019? Indicate whether the county will perform the tasks described in the *V4 Observation Report* (which describes the steps that must be taken in order to meet the Searchable Format standard) before submitting data for V5 by March 31, 2019. Counties must meet the Searchable Format standard for the V5 data submittal and into the foreseeable future, using grant funds to do so if necessary. This also entails submitting data that exactly matches the schema specifications for the Searchable Format, as detailed in the Submission Documentation. See SI_#3 above.
- SI_#9** If you answered “No” to SI_#8 above, briefly describe how you will address the deficiencies identified in the *V4 Observation Report* in order to meet the Searchable Format standard, explain why the deficiencies cannot be rectified by the V5 call for data, and how they will be addressed. Aim for less than 1,800 characters. The font size will shrink as you type more text.
- SI_#10** Is your county’s digital parcel fabric complete (including incorporated areas)? Give estimated year of completion (YYYY) if applicable. Note that there may exist within some county certain areas that do not require detailed parcel mapping, such as state forests. These areas can be treated as a single large parcel as long as they are designated as such in the submitted dataset (however, this exception does *not* apply to municipalities).
- SI_#11** Will county use 2019 Strategic Initiative funding to work toward Benchmark 3? If the county’s digital parcel fabric is incomplete, indicate whether county will use Strategic Initiative grant funds to work toward completion.
- SI_#12** **Benchmark 3 Land Information Plan Citations.** If a county has an incomplete digital parcel fabric, list the corresponding citation (section and page numbers) from the county’s land information plan for the *Project Plan for Parcel Completion*.
- PLSS first approach. Some counties have a plan in place to complete PLSS remonumentation before completing the parcel fabric in a given area. Counties have the option of adopting a “PLSS first approach,” in which PLSS should be prioritized for areas not covered by the parcel fabric. If selecting a PLSS first approach, note this in the *Project Plan for PLSS*, described in SI_#18 below.
- SI_#13** **Benchmark 3 Project Activities and Costs.** For Benchmark 3, provide costs for the project to be paid with WLIP Strategic Initiative grant funds. Itemize costs where possible. Costs may be estimates determined through quotes received from vendors for specific activities. However, please do *not* include vendor estimates as attachments with the completed application you submit.
- SI_#14** **Benchmark 3 Total Costs.** Maximum value is \$50,000. The “Total Costs” boxes are self-adding, which means they calculate the total automatically from the Itemized Costs boxes. Include only Strategic Initiative funds in total costs, which may not exceed \$50,000 on this application form.
- SI_#15** Is your county’s PLSS network complete and integrated into digital parcel layer? This includes: rediscovery of PLSS corner monuments and physical remonumentation of corners without existing monuments; establishing accurate coordinates on these corners based on a modern datum; posting tie sheets online for these corners; and integrating all county PLSS corners into the county parcel fabric. Give estimated year of completion (YYYY) if applicable.
- SI_#16** **Benchmark 4 waiver request to acquire lidar and/or aerial imagery.** Strategic Initiative funds for 2019 are intended to be used for the purposes of parcel dataset development. However, it may be possible to use Strategic Initiative funds for LiDAR and/or aerial imagery, subject to the following conditions: First, a county would need to use the funds to meet parcel Benchmarks 1-3. Then, if a county has remaining Strategic Initiative grant funding, it may expend it on LiDAR and/or aerial imagery *before* Benchmark 4 (Completion and Integration of PLSS).
- SI_#17** Will county use 2019 Strategic Initiative funding to work toward Benchmark 4 (Completion and Integration of PLSS)? Indicate whether Strategic Initiative grant funds will be used to make progress toward Benchmark 4.
- PLSS data submission.** All counties may be required to submit a digital copy of all county PLSS corner coordinates values for inclusion in the State Cartographer’s Office online SurveyControlFinder, and any other DOA-sanctioned statewide effort to collect PLSS datasets. At a minimum, all PLSS corner coordinate values established using Strategic Initiative funds should be tagged with their appropriate accuracy class (survey grade, sub-meter, or approximate).
- SI_#18** **Benchmark 4 Land Information Plan Citations.** If a county has not achieved satisfactory completion and integration of its PLSS framework, list the corresponding citation (section and page numbers) from the county’s land information plan for the *Project Plan for PLSS*.

Project Plan for PLSS. If the county has not achieved a complete and integrated PLSS framework, the county must have a project *within the county land information plan* that outlines:

1. Planned approach for remonumenting, rediscovering, and establishing survey grade coordinates for PLSS corners, and integrating corners into the parcel fabric. Due to cost, accessibility, or land ownership, lower-quality coordinates may be substituted. However, lower grade coordinates should be the exception, rather than the rule. In addition, counties may, but are not required to, use Strategic Initiative grant funds to upgrade their PLSS from a NAD27 coordinate system to a more current datum.
2. Current status of PLSS data in the county including a tally of the total number of corners, their remonumentation status, and their coordinate status (accuracy class) if known. Accuracy classes include survey grade, sub-meter, and approximate.
 - **Survey grade** – Coordinates collected under the direction of a professional land surveyor, in a coordinate system allowed by s. 236.18(2), and obtained by means, methods and equipment capable of repeatable 2 centimeter or better precision.
 - **Sub-meter** – Accuracies of 1 meter or better
 - **Approximate** – Accuracies of within 5 meters or to coordinates derived from public records and other relevant information.
3. Goals for the funding period, including the number of corners to be remonumented and/or rediscovered, the number to have new coordinates established, the accuracy class for these new coordinates, and the way in which these points will be integrated into the parcel fabric.
4. Documentation for any missing corner data as discussed below.
5. Efforts to collaborate with neighboring counties.

SI_#19 **Benchmark 4 Project Activities and Costs.** For Benchmark 4, provide costs for the project to be paid with WLIP Strategic Initiative grant funds. Itemize costs where possible. Costs may be estimates determined through quotes received from vendors for specific activities. However, please do *not* include vendor estimates as attachments with the completed application you submit.

SI_#20 **Benchmark 4 Total Costs.** Maximum value is \$50,000. The “Total Costs” boxes are self-adding, which means they calculate the total automatically from the Itemized Costs boxes. Include only Strategic Initiative funds in total costs, which may not exceed \$50,000 on this application form.

SI_#21 **Other County-Level Strategic Initiative Projects.** Applies only to situations in which a county has already met Benchmarks 1, 2, 3, and 4 (or 1-3 with LiDAR/aerial imagery waiver). Specifically, this entails:

- Benchmarks 1 and 2 – Parcel and zoning data with extended parcel attributes will be submitted by March 31, 2019 for the V5 call for data exactly matching the Searchable Format standard
- Benchmark 3 – The county’s digital parcel fabric is complete
- Benchmark 4 – PLSS framework has reached a level of satisfactory completion and integration, which is documented in the “PLSS” Foundational Element layer status section of the county land information plan (with the exception of LiDAR/aerial imagery waiver counties described in SI_#16)

County-Level Strategic Initiative project(s). If a county has already met Benchmarks 1, 2, 3, and 4 (or 1-3 with LiDAR/aerial imagery waiver), it will still remain eligible for \$50k in 2019 Strategic Initiative grant funding. Such a county may use the Strategic Initiative funding for a project as listed *within the county land information plan*. For example, another Strategic Initiative project might be to complete or comprehensively update another Foundational Element layer—such as LiDAR, orthoimagery, address points, street centerlines, land use, zoning, or administrative boundaries. For the expanded list of Foundational Elements, see the *2018 Uniform Instructions for Preparing County Land Information Plans*.

Strategic Initiative funding exclusions. Strategic Initiative grant funding may *not* be used for renewing annual software vendor contracts, ongoing operational costs, or maintenance of existing layers. (However, WLIP Base Budget grant funds may be used for these expenses, as well as retained fees.)

SI_#22 Estimated amount of \$50,000 to be left after applying any costs to achieve Benchmarks 1-4 (or 1-3 for LiDAR/aerial imagery waiver counties). Enter zero or “More than zero” and dollar amount.

Addendum. If “More than zero” is selected, use the *2019 WLIP Grant Application Addendum* to document the projects the county will use the Strategic Initiative funding for. You may attach as many grant application addendum pages as necessary. Addendum pages are available at doa.wi.gov/WLIP. LiDAR/aerial imagery waiver counties should also use the addendum to document the LiDAR/aerial imagery project you will use the Strategic Initiative funding for. Others should leave blank if not applicable.

SI_#23 **TOTAL ALL STRATEGIC INITIATIVE GRANT PROJECTS.** Total should *not* exceed \$50,000—the Strategic Initiative Award Eligible amount. Include costs for addendum projects in Strategic Initiative total if applicable. If the county anticipates spending more than \$50,000 of Strategic Initiative funds on a project, this can be noted elsewhere, such as the county land information plan.

SI_#24 **Statement and Authorization of Land Information Officer.** LIO name (typed) and date are required. Do *not* sign and scan the form. Handwritten signatures are *not* required. Submit the application by emailing a digital PDF form that has been electronically filled-out (*not* a scanned image) to WLIP@wisconsin.gov.

Base Budget Grant Application Instructions

- BB_#1** **Base Budget Award Eligible.** The amount your county is eligible for 2019 Base Budget grant. Refer to the grant eligibility table on page 8 for amount. If your county is not eligible, *leave blank* the Base Budget application pages.
- BB_#2** **Base Budget Award Amount Requested.** Enter the amount requested. The amount of funds requested/dispensed may not exceed your county's eligible amount from the grant eligibility table on page 8.
- BB_#3** **Base Budget Grant Project Title.** Provide a title for the Base Budget project your county plans to undertake that accurately but concisely describes the project.
- BB_#4** **Land Information Spending Category.** Select the project activity area (spending category) covered by the Base Budget project title. Refer to Chapter Adm. 47.03 for eligible projects and activities.

Projects must fall under one of the following categories:

- Digital parcel mapping
- PLSS
- Other parcel work (e.g., ROD indexing)
- LiDAR
- Orthoimagery
- Address Points
- Street Centerlines
- Software
- Hardware
- Website Development/Hosting Services
- Administrative Activities and Management
- Training and Education
- Other (specify) – **Do not select "Other" as a Base Budget spending category unless the project genuinely does not fit into one of the categories above*

Note on staff funding. If the county intends to fund either in-house staff or third-party contractors with Base Budget grant funds, the work of these staff persons must be broken down into one or more of the categories above. In other words, while staff expenses or salary are eligible expenses, *it is not correct to list "staff expenses" or "salary" as a project activity area.* Instead, break down the staff expenses into one or more of the categories above.

Also note that state statute 59.72(2)(b) requires counties to report on grant expenditures (as well as retained fee expenditures) in each of the land information spending categories above in a *Retained Fee/Grant Report* by June 30th of each year.

- BB_#5** **Land Information Plan Citations.** For each project, list the corresponding citation (section and page numbers) from the county's plan. All proposed grant activities must reflect goals and objectives contained in the county's land information plan.
- BB_#6** **Project Activities and Costs.** For each project, provide costs for the project to be paid with WLIP grant funds. Itemize costs where possible. Costs may be estimates determined through quotes received from vendors for specific activities. However, please do *not* include vendor estimates as attachments with the completed application you submit. Type a concise description for each itemized cost, beginning with row1, column1. Enter dollar amount in column2 of row1. Then proceed to row2. The font size will shrink as you type, becoming smaller to accommodate more text. Aim for less than 40 characters per line.
- BB_#7** **Base Budget Project Total.** The "Base Budget Project Total" boxes are self-adding, which means they calculate the total automatically from the Itemized Costs boxes.
- BB_#8-#22** Fill out questions 8-12, 13-17, and 18-22 only if your county has *multiple* Base Budget projects. Counties with more than four Base Budget projects should attach additional pages of the *WLIP 2019 Grant Application Addendum*. You may attach as many addendum pages as necessary or email them as separate files. Addendum pages are available at doa.wi.gov/WLIP.
- BB_#23** **TOTAL ALL BASE BUDGET PROJECT COSTS.** Total should not exceed Base Budget Award Eligible amount shown in BB_#1. Include costs for Base Budget addendum projects in Base Budget total if applicable.
- BB_#24** **Statement and Authorization of Land Information Officer.** Land information officer name (typed) and date are required. Do not sign and scan the form. Handwritten signatures are *not* required. Submit the application by emailing a digital PDF form that has been electronically filled-out (*not* a scanned image) to WLIP@wisconsin.gov.

2019 Grant Eligibility Table

	State FY18 Retained Fees (July 2017-June 2018)	BB Grant Eligibility (\$100k – FY18 Retained Fees)	Strategic Initiative Grant Eligibility	Training & Education Grant Eligibility	Total Grant Eligibility Amount
Adams	53,264	46,736	50,000	1,000	97,736
Ashland	22,824	77,176	50,000	1,000	128,176
Barron	69,856	30,144	50,000	1,000	81,144
Bayfield	36,296	63,704	50,000	1,000	114,704
Brown	301,048	NA	50,000	1,000	51,000
Buffalo	21,552	78,448	50,000	1,000	129,448
Burnett	42,768	57,232	50,000	1,000	108,232
Calumet	69,440	30,560	50,000	1,000	81,560
Chippewa	84,072	15,928	50,000	1,000	66,928
Clark	46,312	53,688	50,000	1,000	104,688
Columbia	89,736	10,264	50,000	1,000	61,264
Crawford	22,424	77,576	50,000	1,000	128,576
Dane	669,712	NA	50,000	1,000	51,000
Dodge	103,224	NA	50,000	1,000	51,000
Door	68,984	31,016	50,000	1,000	82,016
Douglas	56,352	43,648	50,000	1,000	94,648
Dunn	52,528	47,472	50,000	1,000	98,472
Eau Claire	117,544	NA	50,000	1,000	51,000
Florence	9,552	90,448	50,000	1,000	141,448
Fond du Lac	116,904	NA	50,000	1,000	51,000
Forest	21,608	78,392	50,000	1,000	129,392
Grant	62,408	37,592	50,000	1,000	88,592
Green	53,784	46,216	50,000	1,000	97,216
Green Lake	31,320	68,680	50,000	1,000	119,680
Iowa	37,712	62,288	50,000	1,000	113,288
Iron	13,736	86,264	50,000	1,000	137,264
Jackson	33,352	66,648	50,000	1,000	117,648
Jefferson	112,272	NA	50,000	1,000	51,000
Juneau	44,360	55,640	50,000	1,000	106,640
Kenosha	189,248	NA	50,000	1,000	51,000
Kewaunee	27,184	72,816	50,000	1,000	123,816
La Crosse	134,080	NA	50,000	1,000	51,000
Lafayette	26,952	73,048	50,000	1,000	124,048
Langlade	35,456	64,544	50,000	1,000	115,544
Lincoln	49,992	50,008	50,000	1,000	101,008
Manitowoc	100,392	NA	50,000	1,000	51,000
Marathon	175,904	NA	50,000	1,000	51,000
Marinette	74,296	25,704	50,000	1,000	76,704
Marquette	30,272	69,728	50,000	1,000	120,728
Menominee	4,312	95,688	50,000	1,000	146,688
Milwaukee	813,464	NA	50,000	1,000	51,000
Monroe	60,984	39,016	50,000	1,000	90,016
Oconto	69,304	30,696	50,000	1,000	81,696
Oneida	85,560	14,440	50,000	1,000	65,440
Outagamie	231,464	NA	50,000	1,000	51,000
Ozaukee	114,400	NA	50,000	1,000	51,000
Pepin	12,256	87,744	50,000	1,000	138,744
Pierce	54,088	45,912	50,000	1,000	96,912
Polk	80,312	19,688	50,000	1,000	70,688
Portage	84,624	15,376	50,000	1,000	66,376
Price	27,160	72,840	50,000	1,000	123,840
Racine	230,472	NA	50,000	1,000	51,000
Richland	24,704	75,296	50,000	1,000	126,296
Rock	198,896	NA	50,000	1,000	51,000
Rusk	28,264	71,736	50,000	1,000	122,736
Sauk	131,768	NA	50,000	1,000	51,000
Sawyer	44,760	55,240	50,000	1,000	106,240
Shawano	62,024	37,976	50,000	1,000	88,976
Sheboygan	140,672	NA	50,000	1,000	51,000
St. Croix	138,024	NA	50,000	1,000	51,000
Taylor	29,032	70,968	50,000	1,000	121,968
Trempealeau	37,200	62,800	50,000	1,000	113,800
Vernon	42,368	57,632	50,000	1,000	108,632
Vilas	62,416	37,584	50,000	1,000	88,584
Walworth	168,312	NA	50,000	1,000	51,000
Washburn	36,400	63,600	50,000	1,000	114,600
Washington	172,504	NA	50,000	1,000	51,000
Waukesha	492,376	NA	50,000	1,000	51,000
Waupaca	82,144	17,856	50,000	1,000	68,856
Waushara	43,048	56,952	50,000	1,000	107,952
Winnebago	210,440	NA	50,000	1,000	51,000
Wood	88,736	11,264	50,000	1,000	62,264
Total	7,411,208	2,651,912	3,600,000	72,000	6,323,912



2019 WLIP Training & Education Grant Application

County:

- 1. County submitted a draft 2018 land information plan to DOA Yes No
- 2. Enter date of last county land information council meeting (dd/mm/yyyy) ►
- 3. LIO subscribed to the Land Information Officer's listserv Yes No
- 4. County's *Retained Fee/Grant Report* for 2017 submitted Yes No
- 5. Training & Education Award Eligible **\$ 1,000.00**
- 6. Training & Education Award Amount Requested **\$**
- 7. Brief Description of Intended Expenditures for Training & Education Grant

8. Statement and Authorization of Land Information Officer
As the Land Information Officer for the above county, I am authorized to submit this application, as an eligible applicant, on the authority of the county board. I understand that application authority shall be obtained by specific action of the county board, and that the WLIP may request evidence of such authority. Project work shall meet all standards and conditions as set forth by the relevant Wisconsin State Statutes, Wisconsin Administrative Code, and policy adopted by the Wisconsin Land Information Program or the Wisconsin Department of Administration. To the best of my knowledge, the information contained in this application is accurate and complete. I understand that Training & Education grant projects must be completed by December 31, 2020.

LIO Name (typed)

Date (dd/mm/yyyy)



2019 WLIP Strategic Initiative Grant Application

County:

- | | |
|--|---|
| 1. Strategic Initiative Award Eligible | \$ 50,000.00 |
| 2. Strategic Initiative Award Amount Requested | \$ <input style="width: 150px; height: 25px;" type="text"/> |

BENCHMARK 1 & BENCHMARK 2

3. The county must meet Benchmark 1 and Benchmark 2 for the **V5** call for data by March 31, 2019 in the Searchable Format. Will the county use 2019 Strategic Initiative Funding to work toward the Searchable Format for V5 Benchmark 1 and 2 in the first quarter of 2019?
- Yes
 No
4. Will the county use 2019 Strategic Initiative Funding to work toward and/or maintain the Searchable Format for **V6** in the first quarter of 2020?
- Yes
 No

5. Benchmark 1 and 2 Land Information Plan Citations for *Project Plan to Achieve Searchable Format for Benchmarks 1 & 2 – Section and page numbers* (If answered “No” to #3-4 above, skip down to #8 below.)

6. Benchmark 1 and 2 Project Activities ▼ Costs ▼

7. Benchmark 1 and 2 Total Costs ▶			

8. Will county perform all of the data cleanup and standardization tasks described in the *V4 Observation Report* in order to meet the Searchable Format standard before submitting data for the **V5** call for data by March 31, 2019?
- Yes ▶ Skip down to #10 below
 No

9. If you answered “No” to SI_#8 above, briefly describe how you will address the deficiencies identified in the *V4 Observation Report* in order to meet the Searchable Format standard, explain why the deficiencies cannot be rectified by the V5 call for data, and how they will be addressed:

BENCHMARK 3

10. Is your county's digital parcel fabric complete (including incorporated areas)?

Yes, parcel fabric complete

No, county needs to work toward Benchmark 3 ▶ Estimated year of completion ▶

11. Will county use 2019 Strategic Initiative funding to work toward Benchmark 3 (Completion of County Parcel Fabric)?

Yes

No ▶ Skip down to #15 below

12. Benchmark 3 Land Information Plan Citations for *Project Plan for Parcel Completion* – Section and page numbers

--

13. Benchmark 3 Project Activities ▼

Costs ▼

		14. Benchmark 3 Total Costs ▶	<input type="text"/>

BENCHMARK 4

15. Is your county's PLSS framework complete and integrated into digital parcel layer?

Yes, PLSS network complete and integrated

No, county needs to work toward Benchmark 4 ▶ Estimated year of completion ▶

16. Benchmark 4 waiver request – Check the waiver box below if you wish to request a waiver from Benchmark 4 in favor of LiDAR and/or Aerial Imagery costs

No / Not Applicable

Yes, waiver requested in favor of **LiDAR** project ▶ Fill out *2019 WLIP Grant Application Addendum*

Yes, waiver requested in favor of **Imagery** project ▶ Fill out *2019 WLIP Grant Application Addendum*

17. Will county use 2019 Strategic Initiative funding to work toward Benchmark 4 (Completion and Integration of PLSS)?

Yes

No ▶ Skip down to #21 below

18. Benchmark 4 Land Information Plan Citations for *Project Plan for PLSS* – Section and page numbers

--

19. Benchmark 4 Project Activities ▼

Costs ▼

		20. Benchmark 4 Total Costs ▶	<input type="text"/>

OTHER COUNTY-LEVEL STRATEGIC INITIATIVE PROJECTS

21. County anticipates meeting Benchmarks 1-4 (or 1-3 with LiDAR/aerial imagery waiver) **and** foresees having some of the 50k Strategic Initiative funding “leftover”?

- Yes
- No

22. Estimated amount of 50k to be left after applying any costs to achieve Benchmarks 1-4 (or 1-3 for LiDAR/aerial imagery waiver counties)

- Zero
- More than zero ▶ Specify amount ▶ \$

If “More than zero” is selected, use the *2019 WLIP Grant Application Addendum* to describe the projects you will use the Strategic Initiative funding for.

23. TOTAL ALL STRATEGIC INITIATIVE PROJECTS (should equal ≤ \$50,000.00) ▶ \$

24. Statement and Authorization of Land Information Officer

As the Land Information Officer for the above county, I am authorized to submit this application, as an eligible applicant, on the authority of the county board. I understand that application authority shall be obtained by specific action of the county board, and that the WLIP may request evidence of such authority. Project work shall meet all standards and conditions as set forth by the relevant Wisconsin State Statutes, Wisconsin Administrative Code, and policy adopted by the Wisconsin Land Information Program or the Wisconsin Department of Administration. To the best of my knowledge, the information contained in this application is accurate and complete. I understand that Strategic Initiative grant projects must be completed by March 31, 2020.

LIO Name (typed)

Date (dd/mm/yyyy)



2019 WLIP Base Budget Grant Application

County:

1. Base Budget Award Eligible (from grant eligibility table on page 8) \$

2. Base Budget Award Amount Requested \$

3. **Base Budget Grant Project Title 1**

4. Land Information Spending Category:

5. Land Information Plan Citations – Section and page numbers

6. <u>Project Activities</u> ▼		<u>Costs</u> ▼	
7. Base Budget Project 1 Total ▶			<input style="width: 80px; height: 25px;" type="text"/>

8. **Base Budget Grant Project Title 2**

9. Land Information Spending Category:

10. Land Information Plan Citations – Section and page numbers

11. <u>Project Activities</u> ▼		<u>Costs</u> ▼	
12. Base Budget Project 2 Total ▶			<input style="width: 80px; height: 25px;" type="text"/>

13. Base Budget Grant Project Title 3

14. Land Information Spending Category:

15. Land Information Plan Citations – Section and page numbers

16. Project Activities ▼

Costs ▼

17. Base Budget Project 3 Total ▶			

18. Base Budget Grant Project Title 4

19. Land Information Spending Category:

20. Land Information Plan Citations – Section and page numbers

21. Project Activities ▼

Costs ▼

22. Base Budget Project 4 Total ▶			

23. TOTAL ALL BASE BUDGET PROJECT COSTS (not to exceed BB_#1) ▶

\$

24. Statement and Authorization of Land Information Officer

As the Land Information Officer for the above county, I am authorized to submit this application, as an eligible applicant, on the authority of the county board. I understand that application authority shall be obtained by specific action of the county board, and that the WLIP may request evidence of such authority. Project work shall meet all standards and conditions as set forth by the relevant Wisconsin State Statutes, Wisconsin Administrative Code, and policy adopted by the Wisconsin Land Information Program or the Wisconsin Department of Administration. To the best of my knowledge, the information contained in this application is accurate and complete. I understand that Base Budget grant projects must be completed by December 31, 2020.

LIO Name (typed)

Date(dd/mm/yyyy)

2019 WLIP Grant Application Addendum

County:

Select Addendum Type:

- Base Budget Project(s)
- Other county Strategic Initiative Project(s)
- LiDAR project – enabled by waiver from Benchmark 4
- Aerial Imagery project – enabled by waiver from Benchmark 4

1. Project Title 1

2. Land Information Spending Category:

3. Land Information Plan Citations – Section and page numbers

4. Addendum Project 1 Activities Costs

		5. Addendum Project 1 Total ▶	

6. Project Title 2

7. Land Information Spending Category:

8. Land Information Plan Citations – Section and page numbers

9. Addendum Project 2 Activities Costs

		10. Addendum Project 2 Total ▶	

TOTAL ALL PROJECTS – Please include total, including addendum project costs, on application itself

2019 WLIP Grant Application Addendum II

County:

Select Addendum Type:

- Base Budget Project(s)
- Other county Strategic Initiative Project(s)
- LiDAR project – enabled by waiver from Benchmark 4
- Aerial Imagery project – enabled by waiver from Benchmark 4

1. Project Title 1

2. Land Information Spending Category:

3. Land Information Plan Citations – Section and page numbers

4. Addendum Project 1 Activities ▼ Costs ▼

		5. Addendum Project 1 Total ▶	

6. Project Title 2

7. Land Information Spending Category:

8. Land Information Plan Citations – Section and page numbers

9. Addendum Project 2 Activities ▼ Costs ▼

		10. Addendum Project 2 Total ▶	

TOTAL ALL PROJECTS – Please include total, including addendum project costs, on application itself

2019 WLIP Grant Application Addendum III

County:

Select Addendum Type:

- Base Budget Project(s)
- Other county Strategic Initiative Project(s)
- LiDAR project – enabled by waiver from Benchmark 4
- Aerial Imagery project – enabled by waiver from Benchmark 4

1. Project Title 1

2. Land Information Spending Category:

3. Land Information Plan Citations – Section and page numbers

4. Addendum Project 1 Activities ▼ Costs ▼

5. Addendum Project 1 Total ▶			

6. Project Title 2

7. Land Information Spending Category:

8. Land Information Plan Citations – Section and page numbers

9. Addendum Project 2 Activities ▼ Costs ▼

10. Addendum Project 2 Total ▶			

TOTAL ALL PROJECTS – Please include total, including addendum project costs, on application itself