LINCOLN COUNTY LAND SERVICES GROUP

Monday, December 11, 2023 at 2:00pm

Meeting Location: Lincoln County Service Center, 801 N. Sales St, Room #156, Merrill, WI 54452

Via Teleconference and In-Person Attendance

Electronic Attendance Available: Persons wishing to attend the meeting electronically may enter the meeting beginning ten minutes prior to the start time indicated above using the following number or web address:

Conference Call: 1 423-788-6885
Access Code: 931 296 159#
Meeting ID: meet.google.com/otp-rhqy-uwb
The teleconference cannot start until the host (department head) dials in and enters the host password.

MEETING AGENDA

Action where applicable and necessary

1. Call meeting to order
2. Approval of the June 13, 2023 Land Services Group meeting minutes
3. Meeting Outline
4. 2022-2024 Land Information Plan
5. WLIP 2023 Grant Report for 2022 Expenses
6. 2024 Grant Application
7. Adjourn

DISTRIBUTION:
Land Services Group Members – Keith Cohrs, Sandy Toburen, Mike Huth, Dean Bowe, Sarah Koss, Chris Marlowe, Karry Johnson, Norm Bushor, Ken Schneider, John Hanz, Thomas Boisvert, Robbin Gigl, Tyler Verhassalt, Bill Bialecki, Art Lersch, Tony Dallman, Travis Spoehr, Marty Lemke, Jackie Leonhard.

Posted on _____ at _____ .m by _____

Requests for reasonable accommodations for disabilities or limitations should be made prior to the date of this meeting. Please contact the Lincoln County Clerk at 715-539-1019 as early as possible so that proper arrangements may be made. Requests are kept confidential.

GENERAL REQUIREMENTS:

1. Must be held in a location which is reasonably accessible to the public.
2. Must be open to all members of the public unless the law specifically provides otherwise.

NOTICE REQUIREMENTS:

1. In addition to any requirements set forth below, notice must also be in compliance with any other specific statue.
2. Chief presiding officer or his/her designee must give notice to the official newspaper and to any members of the news media likely to give notice to the public.

MANNER OF NOTICE:

Date, time, place, and subject matter, including subject matter to be considered in a closed session, must be provided in a manner and form reasonably likely to give notice to the public.

TIME FOR NOTICE:

1. Normally, a minimum of 24 hours prior to the commencement of the meeting.
2. No less than 2 hours prior to the meeting if the presiding officer establishes there is a good cause that such notice is impossible or impractical.

EXEMPTIONS FOR COMMITTEES AND SUB-UNITS:

Legally constituted sub-units of a parent governmental body may conduct a meeting during the recess or immediately after the lawful meeting to act or deliberate upon a subject which was the subject of the meeting, provided the presiding officer publicly announces the time, place, and subject matter of the sub-unit meeting in advance of the meeting of the parent governmental body.

PROCEDURE FOR GOING INTO CLOSED SESSION:

1. Motion must be made, seconded, and carried by roll call majority vote and recorded in the minutes.
2. If motion is carried, chief presiding officer must advise those attending the meeting of the nature of the business to be conducted in the closed session, and the specific statutory exemption under which the closed session is authorized.

STATUTORY EXEMPTIONS UNDER WHICH CLOSED SESSIONS ARE PERMITTED:

1. Deliberation of judicial or quasi-judicial matters. Sec. 19.85(1)(a)
2. Considering dismissal, demotion, or discipline of any public employee or the investigation of charges against such person and the taking of formal action on any such matter; provided that the person is given actual notice of any evidentiary hearing which may be held prior to final action being taken and of any meeting at which final action is taken. The person under consideration must be advised of his/her right that the evidentiary hearing be held in open session and the notice of the meeting must state the same. Sec. 19.85(1)(b).
3. Considering employment, promotion, compensation, or performance evaluation data of any public employee. Sec. 19.85(1)(c).
4. Considering strategy for crime detection or prevention. Sec. 19.85(1)(d).
5. Deliberating or negotiating the purchase of public properties, the investing of public funds, or conducting other specified public business whenever competitive or bargaining reasons require a closed session. Sec. 19.85(1)(c).
6. Considering financial, medical, social, or personal histories or disciplinary data of specific persons, preliminary consideration of specific personnel problems or the investigation of specific charges, which, if discussed in public would likely have an adverse effect on the reputation of the person referred to in such data. Sec. 19.85(1)(f).
7. Conferring with legal counsel concerning strategy to be adopted by the governmental body with respect to litigation in which it is or is likely to become involved. Sec. 19.85(1)(g).
8. Considering a request for advice from any applicable ethics board. Sec. 19.85(1)(h).

CLOSED SESSION RESTRICTIONS:

1. Must convene in open session before going into closed session.
2. May not convene in open session, then convene in closed session and thereafter reconvene in open session within twelve (12) hours unless proper notice of this sequence was given at the same time and in the same manner as the original open meeting. Sec. 19.85(2).
3. Final approval or ratification of a collective bargaining agreement may not be given in closed session.

BALLOTS, VOTES, AND RECORDS:

1. Secret ballot is not permitted except for the election of officers of the body or unless otherwise permitted by specific statutes.
2. Except as permitted above, any member may require that the vote of each member be ascertained and recorded.
3. Motions and roll call votes must be preserved in the record and be available for public inspection.

USE OF RECORDING EQUIPMENT:

The meeting may be recorded, filmed, or photographed, provided that it does not interfere with the conduct of the meeting or the rights of the participants.

LEGAL INTERPRETATION:

1. The Wisconsin Attorney General will give advice concerning the applicability or clarification of the Open Meeting Law upon request.
2. The municipal attorney will give advice concerning the applicability or clarification of the Open Meeting Law upon request.

PENALTY:

Upon conviction, any member of a governmental body who knowingly attends a meeting held in violation of Subchapter IV, Chapter 19, Wisconsin Statutes, or who otherwise violates the said law shall be subject to forfeiture of not less than $25.00 nor more than $300.00 for each violation.

Lincoln County Land Services Group
Minutes of Tuesday, June 13, 2023 9:00am
Lincoln County Service Center, Room #255 and Virtually

MEMBERS PRESENT In-Person: Sandy Toburen, Mike Huth, Dean Bower, Renee Krueger, Thomas Boisvert, Bill Bialecki, Tony Dallman, Travis Spoehr, and Marty Lemke
MEMBERS PRESENT Teleconference: Keith Cohrs, Sarah Koss, Norm Bushor, Tyler Verhasselt, and Jackie Leonhard
MEMBERS ABSENT: Chris Marlowe, Ken Schneider, John Hanz, Robbin Gigl, Art Lersch, and Karry Johnson
VISITORS In-Person: Elizabeth Peronto and Nathan Sennett
VISITORS Teleconference: none

1. Call Meeting order - Meeting was called to order by Huth at 9:00am.

2. Approval of the December 6, 2022 Land Services Group Minutes –

   M/S Bialecki/Spoehr to approve the 12/6/2022 minutes as presented. Motion carried on a voice vote.

3. WLIP 2022-2024 Land Information Plan Amendment – Bushor provided a review of the amendments as included in the meeting packet.

   M/S Dallman/Bowe to approve the amendments as presented. Motion carried on a voice vote.

4. Adjourn – M/S Bialecki/Dallman to adjourn at 9:05am. Motion carried on a voice vote.

Minutes prepared by Elizabeth Peronto

Lincoln County Land Services Group

2023 Wisconsin Land Information Program (WLIP)

2024 Grant Application Approval Meeting

12-11-2023

WLIP Background

The WLIP, administered by the Wisconsin Department of Administration, is funded by document recording fees collected by Lincoln County's Register of Deeds. In 2022, Lincoln County retained $50,216 in document recording fees for Land Information, and will be awarded $69,448 in WLIP grants for 2024.

By Wisconsin statute, "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.

The Lincoln County Land Information Modernization Plan which is updated every three years lays out how funds from grants and retained fees will be prioritized. However, as county budgets are determined on an annual basis with county board approval, these plans can be subject to change and may need amendments.

Land Information in Lincoln County

The land information system is essential to Lincoln County's services. This system enables efficient access to accurate geospatial and land records data, including descriptions of the physical characteristics of land, the property boundaries, and the rights attributable to landowners.

From this this large system, a vital and up-to-date addressing system is provided and used for NexGen911/E911/dispatching of Sheriff and other emergency service responders. The land information system (GIS) supports taxation, survey and parcel mapping, zoning, conservation, forestry databases and GIS web applications, highway, plowing and ROW Management and GIS viewers, economic development, emergency planning and response, emergency management, EM GIS Viewers broadband, BB GIS Viewers, hard copy map production services for Sheriff, fire departments, first responders, Towns, County Departments and a host of other citizen services all of which are utilized by federal, state, local, and private organizations.

Lincoln County provides online resources like GIS Data Viewers, hard copy maps resources, GIS data and other data downloads for all its mapping and land information.

1. **<u>2022-2024 WLIP Land Information Plan Project Plan Outline</u>**
    a. **Plan has been approved by the State Grant Coordinator and Peer Counties**
    b. **WLIP Proposed Grant Projects**
        1. Scan and Index Register of Deeds Documents
        2. PLSS Monument Maintenance Program
        3. Land Information RPL LTE
        4. Land Information GIS LTE
        5. NG911 Data Migration Support
        6. ArcGIS Parcel Fabric review and possible migration
        7. Web Server – Website Upgrades
        8. GIS Office Equipment
        9. Historical Aerial Photo Ortho Rectification
        10. Aerial Photo Ortho Rectification

        Ongoing costs not associated with a specific project (LIO/GIS Specialist – Salary)

2. **<u>2022 Grant Report/Projects review</u>**
    a. **See Attached Wisconsin Land Information Program County Retained Fee/Grant Report**
        1. ROD Project - $425,242.92
        2. Survey Remonumentation – $65,326.5
        3. Historic Orthophotos - $17,400
        4. Salaries - remainder

3. **<u>2024 Grant Application</u>**
    a. **Strategic Initiative Grant - $10,000**
        1. County-wide 2024 Orthophotography – $10,000
    b. **Base Budget Grant Award - $58,448**
        1. GIS Specialist Salary - $38,448
            a. NexGen 911 data conversion
            b. Addressing Maintenance
            c. Parcel Mapping Maintenance
            d. PLSS data maintenance
        2. Land Information LTE – $20,000
            a. NexGen911 data automation help
            b. RPL help – Transfers/MFL property/records/data clean up
            c. Surveyor help – PLSS Records automation
            d. GIS Parcel Layer clean up

LINCOLN COUNTY, WI
LAND INFORMATION PLAN
2022-2024 Amendment

Lincoln County Land Services Department

Lincoln County Service Center

801 N. Sales Street, Suite 103

Merrill, WI 54452-1632

Version: Lincoln_County_Land_Info_Plan_2022-2024_FINAL_Amended
Approved/Adopted by Land Information Council on: 6/13/2023

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EXECUTIVE SUMMARY

About this Document

This document is Lincoln County's Land Information Plan prepared by the Land Information Officer (LIO) and the Land Information Council. By Wisconsin statute, "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 Lincoln County's Register of Deeds. In 2021, Lincoln County was awarded $88,384 in WLIP grants and retained a total of $59,944 Register of Deeds document recording fees for Land Information.

The *Lincoln County Land Information Modernization Plan* lays out how 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 only provides estimated figures that are subject to change and are designed to serve planning purposes.

Land Information in Lincoln County

The land information system is essential to Lincoln County's services. This system enables efficient access to accurate geospatial and land records data, including descriptions of the physical characteristics of land, the property boundaries, and the rights attributable to landowners.

From this this large system, a vital and up-to-date addressing system is provided and used for emergency E911/dispatch, permitting, voting, mailing/deliveries and census.

In addition to addressing, the land information system supports taxation, zoning, forestry applications, economic development, emergency planning and response, hard copy map production services for Towns, Fire Departments, First Responders and a host of other citizen services all of which are utilized by federal, state, local, and private organizations.

Lincoln County provides online resources for all its mapping, land information and permitting services.

Mission of the Land Information Office

- In the next three years, Lincoln County's Land Information Office strives to be recognized for its exceptional web mapping site, gains in governmental efficiencies with increased utilization of GIS, improvements in parcel mapping accuracy, and responsiveness to meeting the land records needs of residents and businesses.
- The Land Information Office will provide efficient and high-quality services to its residents and county departments by maintaining land records in an efficient manner, adopting standards to streamline the use of GIS data across departments, and provide services such as a more user-friendly web mapping service.
- Lincoln County's Land Information Office will provide geospatial data for the county's comprehensive planning process, inform future land use decision making, partner with county departments to integrate land records, and improve public access to land records online.

Land Information Office Projects

To realize this mission, in the next three years, the Lincoln County Land Information Office will focus on the following projects:

1. Scan and Index Register of Deeds Documents
2. PLSS Monument Maintenance Program
3. Land Information RPL LTE
4. Land Information GIS LTE
5. NG911 Data Migration Support
6. ArcGIS Parcel Fabric review and possible migration
7. Web Server – Website Upgrades
8. GIS Office Equipment
9. Historical Aerial Photo Ortho Rectification
10. Ongoing costs not associated with a specific project (LIO – Salary)

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

1 INTRODUCTION

In 1989, a public funding mechanism was created whereby a portion of the county's 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:

- Meet funding eligibility requirements which include WLIP Benchmarks
- 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 consistently 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. To meet the goals of Act 20, the WLIP dedicated itself to helping counties by making funding available to counties in the form of Strategic Initiative grants which are prioritized for the purposes of parcel/tax roll dataset improvement. For Strategic Initiative grant eligibility, each county is 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 Lincoln County is meeting these benchmarks appears in the Foundational Elements section of this plan document.

County Land Information System History and Context

In 1990, Lincoln County approved a resolution authorizing participation in the Wisconsin Land Information Program. Through this resolution, Lincoln County was required to appoint a Land Information Officer and to develop and implement a Land Records Modernization Plan. The original Land Information Plan was adopted in February 1992 with updates occurring in 1999, 2003, 2005, 2010, 2015 and 2019. Since the inception of the program in 1990, Lincoln County has been involved in numerous land records projects and updates. One of those being the use of Geographical Information Systems (GIS) which allowed for the creation and acquirement of digital land data. This data includes digital orthophotos, natural resources data, parcel maps, road network, addresses, Lidar, floodplains, and many others. This GIS data has provided better access to land related information internally to Lincoln County, as well as state and federal agencies, private entities and the general public.

County Land Information Plan Process

Lincoln County Land Information Plans were initially updated every five years. However, as a result of Act 20, counties now must update and submit their plans to DOA for approval every three years. This 2022-2024 plan, completed at the end of 2021, is the third post-Act 20 required update.

County Land Information Plan Timeline

- DOA release of finalized instructions by March 31, 2021.
- April–September 2021: Counties work on land info plans.
- Draft plans due to DOA by September 30, 2021 (but sooner is advised).
- Final plans with county land info council approval due by December 31st, 2021.

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

This land information council must have a role in the development of the county land information plan and approve final plans, as required by the DOA.

The Lincoln County Land Information Plan was prepared by the county LIO, the Lincoln County Land Information Council, and others as listed below.

Lincoln County Land Information Council and Plan Workgroup

Name	Title	Affiliation	Email	Phone
+ **Sarah Koss**	Register of Deeds	Lincoln County Register of Deeds	sarah.koss@co.lincoln.wi.us	715-539-1065
+ **Robbin Gigl**	Treasurer	Lincoln County Treasurer	robbin.gigl@co.lincoln.wi.us	715-539-1068
+ **Sandy Toburen**	Real Property Lister	Lincoln County Land Services	sandy.toburen@co.lincoln.wi.us	715-539-1055

+ **Christopher Heller**	County Board Member	Lincoln County Board	christopher.heller@co.lincoln.wi.us	715-351-1500
+ **Norm Bushor**	Land Information Program Manager	Land Information Officer	norm.bushor@co.lincoln.wi.us	715-539-1058
+ **Mike Huth**	Land Services Administrator	Land Services Administer	mike.huth@co.lincoln.wi.us	715-539-1089
+ **Jackie Leonard**	Broker/Owner	Northwoods Community Realty, LLC	jackie@choosejackie.com	715-612-2673
+ **September Murphy**	Emergency Management Director	Lincoln County Emergency Management	september.murphy@co.lincoln.wi.us	715-536-6228
+ **Tony Dallman**	County Surveyor	Lincoln County Land Services	tony.dallman@co.lincoln.wi.us	715-539-1059
Cate Wylie	Administrative Coordinator	Lincoln County	cate.wylie@co.lincoln.wi.us	715-539-2501
Alexandra Peacock	GIS Specialist	Lincoln County Land Services	alexandra.peacock@co.lincoln.wi.us	715-539-1053
Dean Bowe	Forestry, Land, and Parks Administrator	Lincoln County Forestry, Land, and Parks	dean.bowe@co.lincoln.wi.us	715-539-1035
+ **Dan Miller**	Solid Waste Director	Lincoln County Solid Waste/Landfill	dan.miller@co.lincoln.wi.us	715-536-0424
+ **Art Lersch**	Community Development Agent	UW-Extension	akostman@co.lincoln.wi.us	715-539-1072
+ **John Hanz**	Highway Commissioner	Lincoln County Highway	john.hanz@co.lincoln.wi.us	715-536-2554
+ **Ken Schneider**	Sheriff	Lincoln County Sheriff's Office	ken.schneider@co.incoln.wi.us	715-536-6274
+ **Chris Marlowe**	County Clerk	Lincoln County Clerk	chris.marlowe@co.lincoln.wi.us	715-539-1020
+ **William Bialecki**	Economic Development Director	Lincoln County Economic Development	william.bialecki@co.lincoln.wi.us	715-539-8055
+ **Travis Spoehr**	Information Technology Director	Lincoln County	travis.sphoehr@co.lincoln.wi.us	715-539-1048

+ Land Information Council Members designated by the plus symbol

Website: www.co.lincoln.wi.us

2 FOUNDATIONAL ELEMENTS

Lincoln County 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.

FOUNDATIONAL ELEMENTS

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

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 any 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.

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	• 2761 - Approximated, many corners are now under water in flowages and have multiple new meanders set. This number represents what we can recreate of the original survey and is our total count for maintenance purposes. Does not include corners in water, or interior corners in Lincoln County Forest Land.
Number of PLSS corners capable of being remonumented in your county that **have been remonumented**	• 2638
Number of remonumented PLSS corners with survey grade coordinates (see below for definition) • 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	• 2623
Number of survey grade PLSS corners integrated into county digital parcel layer	• 2623
Number of non-survey grade PLSS corners integrated into county digital parcel layer	• 15
Tie sheets available online?	• Yes, http://www.co.lincoln.wi.us/land_survey/ https://maps.sco.wisc.edu/surveycontrolfinder/#10/45.3415/-89.9636/PLSS/terrain
Percentage of remonumented PLSS corners that have tie sheets available online (whether or not they have corresponding coordinate values)	• 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	• 100%
PLSS corners believed to be remonumented based on filed tie-sheets or surveys, but do not have coordinate values	• 0
Approximate number of PLSS corners believed to be lost or obliterated	• 0
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)?	• A local ID system is used along with the Wisconsin Corner Point Identification (WCPI) system. The local system is used internally for indexing hardcopy file storage. The WCPI system is the main identifier or key used for maintenance, database linkage to documents, and integration with the WLIP.
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?	• No
Total number of PLSS corners along each bordering county	• • Langlade 50 ; Oneida 78 ; Price 25 ; Taylor 37 ; Marathon 61
Number of PLSS corners remonumented along each county boundary	• • Langlade 46, Oneida 78, Price 24, Taylor 37, Marathon 59
Number of remonumented PLSS corners along each county boundary with survey grade coordinates	• • Langlade 46 , Oneida 78, Price 25, Taylor 37, Marathon 61
In what ways does your county collaborate with or plan to collaborate with neighboring counties for PLSS updates on shared county borders?	• Lincoln County is working with adjoining counties by sharing tie sheets and other appropriate survey information.

Custodian

- Lincoln County Land Services Department

Maintenance

- Lincoln County Surveyor
- Continue maintenance on PLSS corners including USPLSS records and GPS observations. New USPLSS tie sheets are being appended to the original tie sheet to maintain a chain of record for the occupation or maintenance of the corner.

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

e.g., HARN, Height Mod., etc.

Layer Status

- HARN and local UDN Layers Complete

Custodian

- Lincoln County Land Services Department and Wisconsin Department of Transportation (WiDOT)

Maintenance

- Lincoln County will watch the local monuments and contact the WiDOT if anything is in danger of being destroyed or has been destroyed.

Standards

- All projects were finished in accordance to and approved with WiDOT specifications. More specifically, the HARN and Height Mod projects were finished by WiDOT and the county's local UDN was completed with the assistance of WiDOT. The local UDN was completed with 1ppm and 2ppm precision coordinates on the monuments.

Parcel Mapping

Parcel Geometries

Layer Status

- **Progress toward completion/maintenance phase:**
  - Lincoln County Parcel Geometries are in Maintenance Phase.
  - 100% of the county's parcels are available in a commonly-used digital ArcGIS format.
- **Projection and coordinate system:**
  - Lincoln County's parcels are fit to GPS coordinates referenced to the Public Land Survey System (PLSS) corners. This data is based upon and stored in the Lincoln County Coordinate System 83/91 which is referenced to the Wisconsin State High Accuracy Reference Network (HARN).
- **Integration of tax data with parcel polygons:**
  - Lincoln County does have a parcel polygon model that directly integrates tax/assessment data as parcel attributes.
- **Online Parcel Viewer Software/App and Vendor name:**

- Public Access Land Records Viewer – In-house/Lincoln County Staff
- **Unique URL path for each parcel record:**
  - Yes, there is a unique URL path for each parcel record and these URL's are stable with values that can be exported. The values and information that can be accessed through the URL include information available through tax record searches about a property, person or address. A few examples are recorded documents, owner's names, addresses, descriptions, taxes, and values. The County's GIS viewer regularly downloads and integrates a small set of Tax Record attributes with the parcel geometry. Each record also has a direct link the County's public tax viewer where more detailed information can be accessed such as permits, taxes, assessments, history and legal information.

Custodian

- Lincoln County Land Services Department

Maintenance

- **Update Frequency/Cycle**. Parcel polygons are updated as deeds are recorded by the ROD and information is entered by the Real Property Lister. Splits and combines are forwarded to the GIS Mapping person(s) to be entered using coordinate geometry and esri software.

Standards

- **Data Dictionary**:
  - Within the dataset's metadata, there are definitions for each attribute maintained by the county mappers. Those attributes listed by Wis. Stat. 59.72(2)(a) that are linked to the parcels from the tax collection and real property listing system do not carry the same level of description and are something the County is working on to integrate into is update workflow.

Assessment/Tax Roll Data

Layer Status

- **Progress toward completion/maintenance phase:** NA
- **Tax Roll Software/App and Vendor name:**
  - Ascent Land Records Suite – Transcendent Technologies
- **Municipal Notes:** NA

Custodian

- Lincoln County Land Services Department

Maintenance

- **Maintenance of the Searchable Format standard:**
  - To maintain the Searchable Format standard, Lincoln County will clean-up and standardize all data prior to submission in order to match the Searchable Format standards. Therefore, the digital parcel data set will be complete and ready for direct aggregation into the statewide parcel layer.
- **Searchable Format Workflo**
  - The county maintains parcel/tax roll data in the Searchable Format or close enough to the Searchable Format that **little human labor is required** for the annual submission of parcel/tax roll data to DOA.

Standards

- Presence of all required attributes, including "Act 20" attributes
- Standard file naming conventions
- Standardized attribute field names and metadata
- s. 73.03(2a), Wis. Stats. Department of Revenue (DOR) – Powers and duties defined
  - Wisconsin Department of Revenue Property Assessment Manual (Chapter 5) and attendant DOR standards
  - DOR XML format standard requested by DOR for assessment/tax roll data

Non-Assessment/Tax Information Tied to Parcels

e.g., Permits, Easements, Non-Metallic Mining, Brownfields, Restrictive Covenants

Layer Status

- Lincoln County does not have a Sanitary Permits Layer. The permits are tracked in the Land Records Management System and related to parcels by their PIN number.

Custodian

- Lincoln County Land Services and Zoning Departments

Maintenance

- Daily maintenance as needed

Standards

- Wis. Stat. 59.70(5)

ROD Real Estate Document Indexing and Imaging

Layer Status

- **Grantor/Grantee Index:**
  - Grantor/Grantee Index Layer is in Maintenance Phase
  - Lincoln County's Grantor/Grantee Index dates back from 1853 to present day
  - 1853 to 1934 Grantor/Grantee Index Books
  - 1935 to present day – Grantor/Grantee Index is computerized
- **Tract Index:**
  - Tract Index Layer is in Maintenance Phase
  - Computerized Tract Index – 1990 to present day
  - Tract Index Books – 1853 to 1989
  - Track index is Parcel PIN based
  - Type of documents in the Tract Index are Mortgage, Deed, Satisfaction of Mortgage, Land Agreements, Easement, Probate documents, Circuit Court documents, Plats, Certified Survey Maps, and Liens.
- **Imaging:**
  - Imaging Layer is in Maintenance Phase
  - Computerized Document Images date from 1935 to present day
- **ROD Software/App and Vendor Name:**
  - **iDocument/Laredo/Tapestry** – Fidlar

Custodian

- Lincoln County Register of Deeds Department

Maintenance

- Documents are maintained daily to protect the integrity of the records
- A duplicate copy of each record is created
- Computerize documents dating 1853 to 1934 as time and budget allow

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

- LiDAR Layer Complete
- **Most recent acquisition year:**

    - 2015
- **Accuracy:**
    - Quantum Spatial completed a field survey of 22 control calibration points along with 99 QC checkpoints in non-vegetated and vegetated land cover classifications (total of 121 points) as an independent test of the accuracy of this project.
    - Point Cloud Testing
        - RAW Non-Vegetated Vertical Accuracy (RAW NVA) was 4.4cm (meeting the requirements)
    - Digital Elevation Model Test:
        - Non-Vegetated Vertical Accuracy (NVA) was 8.8cm and Vegetated Vertical Accuracy (VVA) was 25.8cm (both meeting the requirements)
- **Post spacing:**
    - Unknown
- **Contractor's standard, etc.:**
    - Quantum Spatial and USGS Standards
- **Next planned acquisition year:** Unknown

Custodian

- Lincoln County Land Services Department and United States Geological Survey

Maintenance

- Static dataset

Standards

- The project was delivered in NAD83 (2011) Wisconsin County Coordinate System - Lincoln County, US Survey Feet; NAVD88 (Geoid 12A) US Survey Feet. Additionally, all horizontal coordinates for ground control and QA points for all LiDAR classes are also reported in NAD83 (2011) Wisconsin County Coordinate System - Lincoln County, US Survey Feet. The required accuracy testing was performed on the LiDAR dataset (both the LiDAR point cloud and derived DEM's) according to the USGS LiDAR Base Specification Version 1.2 (2014).

LiDAR Derivatives

e.g., Bare-Earth Digital Terrain Model (DTM), Bare-Earth Elevation Contours, Bare-Earth Digital Elevation Model (DEM), Digital Surface Model (DSM), Hydro-Enforced DEMs, etc.

Layer Status

- LiDAR Derivatives Layers Complete to include DEM, DTM, DSM, and Bare-Earth Elevation Countours

Custodian

- Lincoln County Land Services Department

Maintenance

- Static Data

Standards

- Dataset deliverables will be the same as USGS LiDAR acquisition specification version 1.1 and FEMA Appendix 4B standards. Deliverables include Metadata, Raw Point Cloud, Classified Point Cloud, Bare-Earth Surface (DEM), Breaklines, 2' Contours, Digital Surface Model, and FEMA accuracy report.

Other Types of Elevation Data

Layer Status

- 10' Contour Elevation Data Layer Complete

Custodian

- Lincoln County Land Services Department

Maintenance

- Static dataset

Standards

- Dataset deliverables will be the same as USGS LiDAR acquisition specification version 1.1 and FEMA Appendix 4B standards. Deliverables include Metadata, Raw Point Cloud, Classified Point Cloud, Bare-Earth Surface (DEM), Breaklines, 2' Contours, Digital Surface Model, and FEMA accuracy report.

Other Types of Elevation Data

Layer Status

- 2' Contour Elevation Data Layer Complete

Custodian

- Lincoln County Land Services Department

Maintenance

- Static dataset

Standards

- Dataset deliverables will be the same as USGS LiDAR acquisition specification version 1.1 and FEMA Appendix 4B standards. Deliverables include Metadata, Raw Point Cloud, Classified Point Cloud, Bare-Earth Surface (DEM), Breaklines, 2' Contours, Digital Surface Model, and FEMA accuracy report.

Orthoimagery

Orthoimagery

Layer Status

- Orthoimagery Layer Complete
- **Most recent acquisition year:** 2020
- **Resolution:** 6 inch
- **Contractor's standard:** WROC Standards
- **Next planned acquisition year:** 2025, 5 year updates

Custodian

- Lincoln County Land Services Department

Maintenance

- Static dataset

Standards

- WROC standards

Historic Orthoimagery

Layer Status

- 2015 Orthoimagery Layer Complete
- 2015 Flight – 6 inch resolution

Custodian

- Lincoln County Land Services Department

Maintenance

- Static dataset

Standards

- WROC Standards

Historic Orthoimagery

Layer Status

- 2010 Orthoimagery Layer Complete
- 2010 Flight – 12 inch Rural Area, 6 inch Urban

Custodian

- Lincoln County Land Services Department

Maintenance

- Static dataset

Standards

- WROC Standards

Historic Orthoimagery

Layer Status

- 2005 Orthoimagery Layer Complete
- 2005 Flight – 12 inch Rural Area, 6 inch Urban

Custodian

- Lincoln County Land Services Department

Maintenance

- Static dataset

Standards

- WROC standards

Historic Orthoimagery

Layer Status

- 1992 Orthoimagery Layer Complete
- 1992 BW Flight – 1 meter

Custodian

- Lincoln County Land Services Department

Maintenance

- Static dataset

Standards

- Unknown – USGS product

Historic Orthoimagery

Layer Status

- 1990 Orthoimagery Layer Complete
- 1990 Color Mosaic Flight

Custodian

- Lincoln County Land Services Department

Maintenance

- Static dataset

Standards

- Unknown

Historic Orthoimagery

Layer Status

- 1970 Orthoimagery Layer Complete
- Imagery Mosaic

Custodian

- Lincoln County Land Services Department

Maintenance

- Static dataset

Standards

- United States Department of Agriculture (USDA) standards

Historic Orthoimagery

Layer Status

- 1952-1955 Orthoimagery Layer Complete
- Imagery Mosaic

Custodian

- Lincoln County Land Services Department

Maintenance

- Static dataset

Standards

- United States Department of Agriculture (USDA) standards

Historic Orthoimagery

Layer Status

- 1938 Orthoimagery Layer Complete
- Imagery Mosaic

Custodian

- Lincoln County Land Services Department

Maintenance

- Static dataset

Standards

- USDA standards

Other Types of Imagery

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

Layer Status

- National Agriculture Imagery Program (NAIP) 2019 Layer Complete
- Crop Flight, 1 meter GSD product providing an ortho image base for Common Land Unit Boundaries

Custodian

- Lincoln County Land Services Department

Maintenance

- Static dataset

Standards

- NAIP standards

Layer Status
- National Agriculture Imagery Program (NAIP) 2017 Layer Complete
- Crop Flight, 1 meter GSD product providing an ortho image base for Common Land Unit Boundaries

Custodian
- Lincoln County Land Services Department

Maintenance
- Static dataset

Standards
- NAIP standards

Layer Status
- National Agriculture Imagery Program (NAIP) 2015 Layer Complete
- Crop Flight, 1 meter GSD product providing an ortho image base for Common Land Unit Boundaries

Custodian
- Lincoln County Land Services Department

Maintenance
- Static dataset

Standards
- NAIP standards

Layer Status
- National Agriculture Imagery Program (NAIP) 2010 Layer Complete
- Crop Flight, 1 meter GSD product providing an ortho image base for Common Land Unit Boundaries

Custodian
- Lincoln County Land Services Department

Maintenance
- Static dataset

Standards
- NAIP standards

Layer Status
- National Agriculture Imagery Program (NAIP) 2008 Layer Complete
- Crop Flight Imagery

Custodian
- Lincoln County Land Services Department

Maintenance
- Static dataset

Standards
- NAIP standards

Layer Status
- National Agriculture Imagery Program (NAIP) 2005 Layer Complete
- Crop Flight Imagery

Custodian

- Lincoln County Land Services Department

Maintenance

- Static dataset

Standards

- NAIP standards

Address Points and Street Centerlines

Address Point Data

Layer Status

- Address Point Data Layer is in Maintenance Phase with regular updates.
- The county has jurisdiction for Rural (Town) Road and Address standards but manages all the address information in the county. Lincoln County has two cities that issue addresses for their residences. The cities forward that information to Lincoln County for assimilation into our various systems like Dispatch (E911) or Land Records. Once verified and in Lincoln County's systems, the county will notify all potential entities that may be affected by the new address. This normally includes all county departments, US Postal Service coverage areas, paramedics, emergency service providers, first responders, fire departments, town officials and others.
- This layer is integrated with the county's E911 Dispatch system, Master Street Address Guide system, Land Records Viewer system, US Postal Services system, and State Voter Registration system while also being distributed to other agencies at the state and federal level such as Census.

Custodian

- Lincoln County Land Services Department

Maintenance

- This layer was developed over many years with revolving staff and consultants. There are many occurrences where a new address will raise issues with existing addresses, address ranges, zip codes, voting layers, and other layers. Standard maintenance is ongoing and includes tasks and responsibilities to deal with these existing complex problems. Standard maintenance has added tasks and responsibilities because of these existing problems.
-

Standards

- The driveway entrances and structures are located with GPS while site addresses are verified with the Tax Roll, Master Street Address Guide, state road aids/gas tax maps, and the existing E911 Addressing.
- Lincoln County Addressing and Road Naming Ordinance.

Building Footprints

Layer Status

- Building Footprints Layer Complete
- Building Footprints are captured from the 2010 ortho flight images

Custodian

- Lincoln County Land Services Department

Maintenance

- No current plans

Standards

- Developed by North Central Wisconsin Regional Planning Commission (NCWRPC)

Other Types of Address Information

e.g., Address Ranges

Layer Status

- Address Range Data Layer is in Maintenance Phase with regular updates.
- This layer is tied directly to the Street Centerline Layer and falls under the jurisdiction and management of the Land Services Department.

Custodian

- Lincoln County Land Services Department

Maintenance

- This layer was developed over several years with rotating staff and consultants. There are many occurrences where a new address will raise issues with existing addresses, address ranges, zip codes, voting layers, and other layers. Therefore, standard maintenance is ongoing and includes tasks and responsibilities to deal with these existing complex problems.

Standards

- Road Ranges must fit within the address grid developed for Lincoln County. The county's address grid starts in the south east corner of the county with the lowest possible north address as 1 and the lowest possible west address also as 1. It divides the county moving north and west into grid cells every 13.2 feet creating a grid range that a road's address range must fall within.
- Lincoln County Addressing and Road Naming Ordinance.

Street Centerlines

Layer Status

- Street Centerlines Data Layer is in Maintenance Phase with regular updates.
- This layer is used to help administrate Lincoln County's Addressing and Road Naming Ordinance.

Custodian

- Lincoln County Land Services Department

Maintenance

- This layer was developed over many years with revolving staff and consultants. There are many occurrences where a new address will raise issues with existing addresses, address ranges, zip codes, voting layers, and other layers. These issues require different methods of fixing that can include splits, flips, extends or complete changes. Standard maintenance is ongoing and includes tasks and responsibilities to deal with these existing complex problems. Standard maintenance has added tasks and responsibilities because of these existing problems.
- Positional accuracy is continually being updated to align with the traveled ROW.

Standards

- Centerlines are captured or created using GPS, 6-inch photographs, or deed information.
- This layer's origin of automation is unknown and appears to be developed with inconsistent standards. This layer appears to have undergone redesigns to meet several dispatching software changes at the county level.
- Road names are compared with the county's MSAG, USPS, as well as the State of Wisconsin Road Aids (Gas Tax Maps) that are certified for names and mileage each year by the municipal towns.
- Lincoln County Addressing and Road Naming Ordinance

Rights of Way

Layer Status

- Right of Way information gathering In Progress

        - Lincoln County does not have a separate road right-of-way (ROW) dataset. The ROW boundaries are managed in our parcel lines dataset and the majority of these lines have been assembled from various sources of information.
    - The County has developed a ROW polygon index layer. This layer represents a buffered polygon around each ROW centerline extent. The polygons are geospatial significant since each ROW's centerline and extent has been digitized in County Coordinates. This information is presented to the public in the form of an interactive webmap that allow the user to drill or query each of the polygons areas to retrieve attributes such as year, version, project plan name, and other information including a full PDF scan of the ROW project.

Custodian

- Lincoln County Land Services Department

Maintenance

- This will be updated as new ROW plat information is obtained from road projects.

Standards

- Standards for development included attribute and map tag information capture, spatially accurate to centerlines on the 2015 orthophotos.

Trails

e.g., Recreational Trails, Snowmobile Trails

Layer Status

- Trail Layers are Complete
    - Include snowmobiles, ATV, hiking, and other recreational trails

Custodian

- Lincoln County Forestry Department

Maintenance

- Ongoing with yearly updates

Standards

- Captured with GPS and orthophotography

Land Use

Current Land Use

Layer Status

- Current Land Use Layer is in Maintenance Phase
    - Existing Land Use as of 2010

Custodian

- Lincoln County Land Services Department

Maintenance

- Updates occur when Comprehensive Plans change or when needed

Standards

- Developed by North Central Wisconsin Regional Planning Commission

Future Land Use

Layer Status

- Future Land Use Layer Complete
    - Planned Land Use from Comprehensive Planning Project

Custodian

- Lincoln County Land Services and Zoning Departments

Maintenance

- Amendments are as needed (2011)

Standards

- s. 66.1001, Wis. Stats. Comprehensive planning
- Future land use maps are created through a community's comprehensive planning process.
  - If a future land use map is created as part of an adopted comprehensive plan(s), then it can be assumed to meet the standards in s. 66.1001.
  - According to s. 66.1001, beginning on January 1, 2010, if a town, village, city, or county enacts or amends an official mapping, subdivision, or zoning ordinance, the enactment or amendment ordinance must be consistent with that community's comprehensive plan.
  - 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.
- County General Zoning Layer Complete

Custodian

- Lincoln County Land Services Department

Maintenance

- The layer is updated as rezoning occurs.

Standards

- Coincides with parcel basemap features
- Pursuant to the authorization in Wis. Stat. 59.51 and 59.69

Shoreland Zoning

Layer Status

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

Custodian

- Lincoln County Zoning Department

Maintenance

- Updated as needed

Standards

- Lake Protection Grant objectives; pursuant to the authorization in Wis. Stat. 59.69, 59.694, 59.692, 87.30, and 281.31 as amended

Farmland Preservation Zoning

Layer Status

- Not administered by county
- **Year of certification:** N/A

Floodplain Zoning

Layer Status

- The county does maintain a GIS representation of floodplain zoning boundaries.
- The county's floodplain zoning GIS data is the same as/identical to the FEMA map
- **Letters of Maps Change** – FEMA Flood Insurance Rate Maps (FIRMs) can be changed through "Letters of Maps Change," which is comprised of a few things: Letters of Map Amendment,

Letters of Map Revision, and Letters of Map Revision Based on Fill. These are documents issued by FEMA that officially remove a property and/or structure from the floodplain. They are collectively called Letters of Map Change.
- Floodplain Zoning Layer Complete

Custodian
- Federal Emergency Management Agency (FEMA)

Maintenance
- The layer is updated as Letters of Map Change are received along with any other FEMA requirements.

Standards
- As set to the authorization in Wis. Stats. 61.35 and 62.23 for villages and cities; Wis. Stats. 59.69, 59.692, and 59.694 for counties; and the requirements in Wis. Stat. 87.30.

Airport Protection
Layer Status
- Not administered by county
- **Airport protection zoning map depicts:** General zoning overlay for airport protection
  - This layer is administered by the municipalities and the county must still adhere to any regulations that apply.
  - The County maintains a representation of the layer as produced by Engineers hired by each Airport

Municipal Zoning Information Maintained by the County
e.g., Town, City and Village, Shoreland, Floodplain, Airport Protection, Extra-Territorial, Temporary Zoning for Annexed Territory, and/or Zoning Pursuant to a Cooperative Plan

Layer Status
- Extra-Territorial Layer Complete

Custodian
- Lincoln County Land Services Department

Maintenance
- Updated when annexations occur or when any communication between Lincoln County and the Cities of Merrill and Tomahawk requires maintenance.

Standards
- Developed using the buffer tool in ArcGIS around city boundaries

Administrative Boundaries
Civil Division Boundaries
e.g., Towns, City, Villages, etc.

Layer Status
- Civil Division Boundaries Layer Complete

Custodian
- Lincoln County Land Services Department

Maintenance
- As needed

Standards
- This layer is maintained to be coincident with Lincoln County's boundary, PLSS boundaries, parcel boundaries, supervisory districts, and wards.

School Districts

Layer Status

- **Progress toward completion/maintenance phase:**
  - School Districts Layer is in Maintenance Phase
  - Two formats including county-wide polygon layer and school district codes related to tax parcel records
- **Relation to parcels:**
  - School districts are attached to each tax parcel record
  - **Attributes linked to parcels:**
    - School District Code

Custodian

- Lincoln County Land Services Department

Maintenance

- As needed

Standards

- Developed to be coincident with parcel boundaries and PLSS layers.

Election Boundaries

e.g., Voting Districts, Precincts, Wards, Polling Places, etc.

Layer Status

- Wards Layer Complete

Custodian

- Lincoln County Land Services Department

Maintenance

- As needed

Standards

- This layer is maintained to be coincident with Lincoln County's boundary, municipal boundaries, PLSS boundaries, parcel boundaries, supervisory districts, and wards.
- Lincoln County manages the ward boundaries as a composite layer that includes Wards, Supervisory, Municipal, and County Boundaries.

Election Boundaries

Layer Status

- Supervisory Districts Layer Complete

Custodian

- Lincoln County Land Services Department

Maintenance

- As needed

Standards

- This layer is maintained to be coincident with Lincoln County's boundary, municipal boundaries, PLSS boundaries, parcel boundaries, supervisory districts, and wards.
- Lincoln County manages the supervisory boundaries as a composite layer that includes Wards, Supervisory, Municipal, and County Boundaries.

Election Boundaries

Layer Status

- Municipal Layer Complete

Custodian

- Lincoln County Land Services Department

Maintenance

- As needed

Standards

- This layer is maintained to be coincident with Lincoln County's boundary, municipal boundaries, PLSS boundaries, parcel boundaries, supervisory districts, and wards.
- Lincoln County manages the municipal boundaries as a composite layer that includes Wards, Supervisory, Municipal, and County Boundaries.

Election Boundaries

Layer Status

- Polling Places Layer Complete

Custodian

- Lincoln County Land Services Department

Maintenance

- As needed

Standards

- Developed to be coincident with GPS location and site address.

Utility Districts

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

Layer Status

- Gleason Sanitary Layer Complete

Custodian

- Lincoln County Land Services Department

Maintenance

- As needed

Standards

- Developed using the Gleason Sanitary District Plat.

Emergency Service Boundary – Law/Fire/EMS

Layer Status

- Emergency Service Zones (Composite of Fire/Police/Ambulance/First Responder) Layer Complete
  - Each of the zones are pulled out as separate layers and used in the county's E911 Dispatch system.

Custodian

- Lincoln County Land Services Department

Maintenance

- As needed

Standards

- Developed to be coincident with Roads and Parcel Geometries Layers.

Public Safety Answering Points (PSAP) Boundary

Layer Status

- Same as County Boundary

Custodian
- Lincoln County Land Services Department

Maintenance
- As needed

Standards
- Integrated with PLSS and Civil Boundary layers

Provisioning Boundary
Layer Status
- Same as County Boundary

Custodian
- Lincoln County Land Services Department

Maintenance
- As needed

Standards
- Integrated with PLSS and Civil Boundary layers

Other Public Safety
Layer Status
- Information Points Layer Complete
  - This layer contains ATV/snowmobile intersections, landing zones, mile markers, towers, and turn-a-rounds.

Custodian
- Lincoln County Land Services Department

Maintenance
- As needed

Standards
- Located using GPS, parcels, and aerial photography.

Other Public Safety
Layer Status
- Hydrants Layer Complete
  - This layer contains locations and general descriptions of hydrants which are located within both the City of Merrill and the City of Tomahawk.

Custodian
- City of Merrill and City of Tomahawk

Maintenance
- As needed

Standards
- Locations were captured by GPS and all information is consistent with city criteria.

Other Public Safety
Layer Status
- Miscellaneous Features Layer Complete
  - This layer contains locations of churches, schools, towers, cemeteries, airports, parks, hospitals, reservoirs, dams, streams, lakes, channels, summits, and a few other features.

Custodian

- Lincoln County Land Services Department

Maintenance

- As needed

Standards

- Captured and mapped using GPS points and orthoimagery

Other Public Safety

Layer Status

- General Forestry Layers Complete
  - This is a grouping of layers including Berms, Gates, Woods Roads, Wildlife Openings, Snowmobile/ATV Intersections, Snowmobile Trails, Summer ATV Trails, Ice Age Trail, and Public Access Points which are made available to public safety personnel.

Custodian

- Lincoln County Forestry Department

Maintenance

- As needed

Standards

- Some information was captured using GPS while the rest has unknown methods.

Lake Districts

Layer Status

- Lincoln County does not have a Lake District Layer
  - District codes are in the tax roll database

Native American Lands

Layer Status

- Lincoln County does not have a Native American Lands Layer

Other Administrative Districts

e.g., County Forest Land, Parks/Open Space, etc.

Layer Status

- County Forests Lands Layer Complete

Custodian

- Lincoln County Land Services Department

Maintenance

- As needed

Standards

- Forestry boundaries were located by the county surveyor with GPS. This layer was built to be coincident with PLSS and Parcel Boundaries layers.

Other Administrative Districts

Layer Status

- Parks Layer Complete

Custodian

- Lincoln County Land Services Department

Maintenance

- As needed

Standards

- The Parks layer is managed as a point feature class.
- The county is planning on a Parks Boundaries polygon layer to be developed by Lincoln County's GIS staff with help from the Forestry Department.

Other Administrative Districts

Layer Status

- Soils Layer Complete

Custodian

- NRCS

Maintenance

- As needed

Standards

- Developed by the National Cooperative Soil Survey and the U.S. Department of Agriculture's Natural Resources Conservation Service.

Other Administrative Districts

Layer Status

- TID Districts Layer Complete

Custodian

- Lincoln County Land Services Department

Maintenance

- As needed by projects

Standards

- Developed to be coincident with Roads and Parcel Geometries layers.

Other Administrative Districts

Layer Status

- Zip Code Layer Complete

Custodian

- Lincoln County Land Services Department

Maintenance

- As needed to match USPS boundary updates

Standards

- Polygon feature class created with Lincoln County standards.

Other Layers

Hydrography Maintained by County or Value-Added

Layer Status

- Hydrography Layer Complete
- This layer has been integrated with the county's parcel mapping in order to capture more accurate water boundaries. Previously, the water boundaries for parcel edges were captured from the WDNR 24:000 scale mapping.

Custodian

- Lincoln County Land Services Department

Maintenance

- As needed

Standards

- Created using photogrammetric methods using our 2015 flight by Ayres
- Base data developed by Ayres
- Attributes conflated from the WDNR 1:24000 Hydro datasets.
- Ponded bodies of water that are 1-acre and larger are collected as polylines. Flowing water is collected as double lined polylines when 20-ft wide or wider. Flowing water between 20-ft and 8-ft in width will be collected as single lines down the center of the stream. The planimetric hydro features will be collected at 1"=100' map scale and will meet or exceed ASPRS standards of the source orthoimagery.

Cell Phone Towers

Layer Status

- Cell Phone Towers Layer Complete

Custodian

- Lincoln County Land Services Department

Maintenance

- As needed

Standards

- Mapped using GPS

Bridges and Culverts

Layer Status

- Culverts Layer Complete
- This layer was automated by previous GIS staff and the status of feature or attribution completion is unknown.

Custodian

- Lincoln County Highway Department

Maintenance

- There is currently no maintenance planned for this layer

Standards

- Developed in conjunction with road centerlines, GPS, Wis. Stat. 84.17(2) and National Bridge Inspection Standards 23 CFR 650 Subpart C.

Bridges and Culverts

Layer Status

- Bridges Layer Complete
- This layer was automated by previous GIS staff and the status of feature or attribution completion is unknown.

Custodian

- Lincoln County Highway Department

Maintenance

- There is currently no maintenance planned for this layer.

Standards

- Unknown

Other

e.g., Pipelines, Railroads, Non-Metallic Mining, Sinkholes, Manure Storage Facilities, etc.

Layer Status

- Signs Layer Complete
- This layer was automated by previous GIS staff and the status of feature or attribution completion is unknown.

Custodian

- Lincoln County Highway Department

Maintenance

- There is currently no maintenance planned for this layer.

Standards

- Developed in conjunction with road centerlines and GPS.

Other

Layer Status

- Non-metallic Mining Layer in maintenance

Custodian

- Lincoln County Land Services

Maintenance

- Yearly updates

Standards

- Boundaries are captured and verified by GPS.

Other

Layer Status

- Watersheds Layer Complete
- Polygon shapefile representing watersheds delineated by the Wisconsin DNR

Custodian

- Wisconsin DNR Bureau of Watershed Management

Maintenance

- As updated by the DNR

Standards

- Compiled by DNR from 1:24,000-scale topographic maps

Other

Layer Status

- Railroads Layer Complete

Custodian

- Lincoln County Land Services Department

Maintenance

- As needed

Standards

- Mapped using aerial photographs.

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 the government at all levels, the private sector, and the public.

LAND INFORMATION SYSTEM
An orderly method of organizing and managing land information and land records
– Wis. Stats. Section 16.967(1) (c)

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.

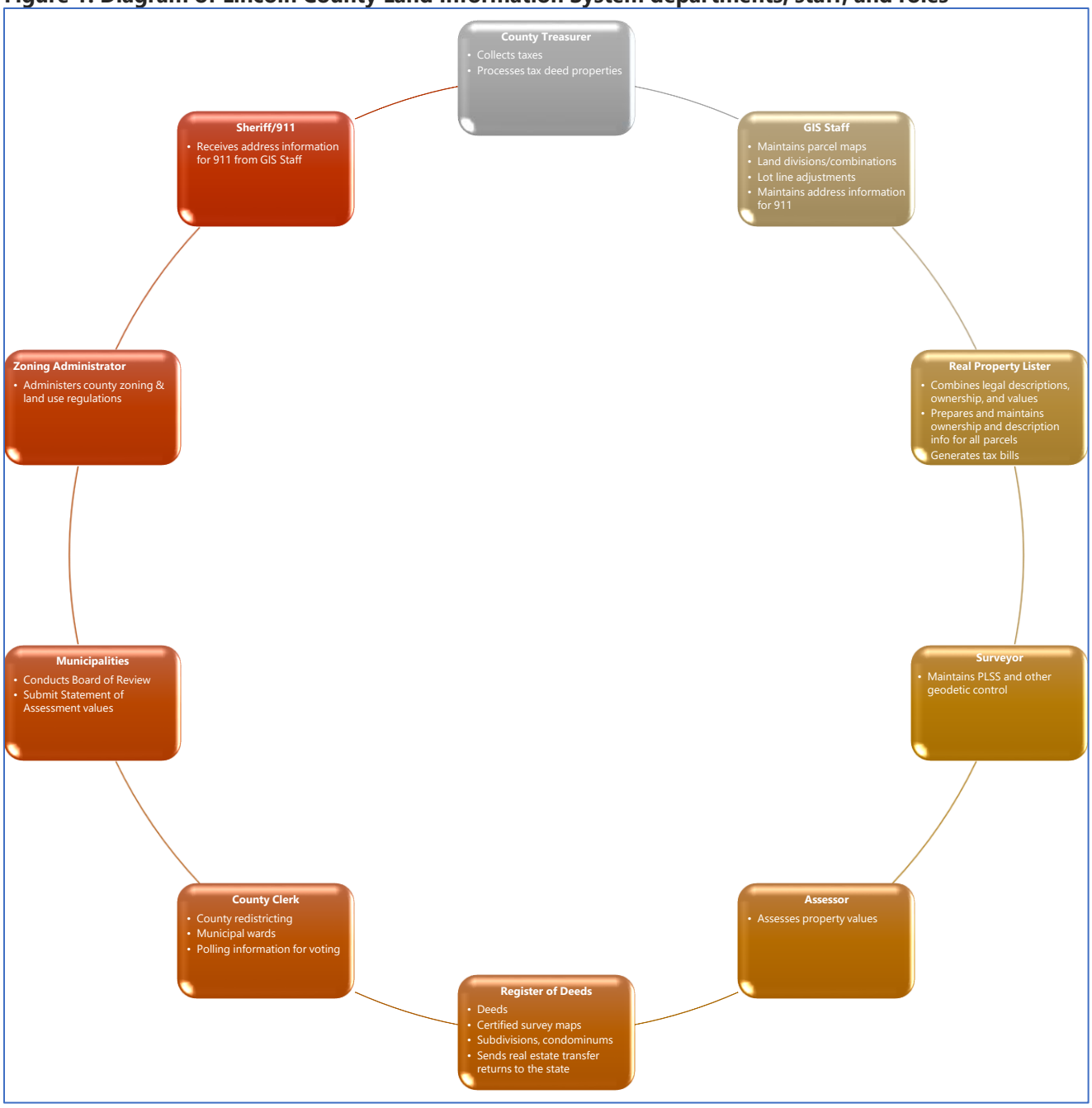
This chapter describes the design of the county land information system, with focus on how data related to land features and data describing land rights are integrated and made publicly available.

Current Land Information System

Diagram of County Land Information System

The diagram below shows the design of Lincoln County's Land Information System where numerous offices are involved in the creation and maintenance of the land information data.

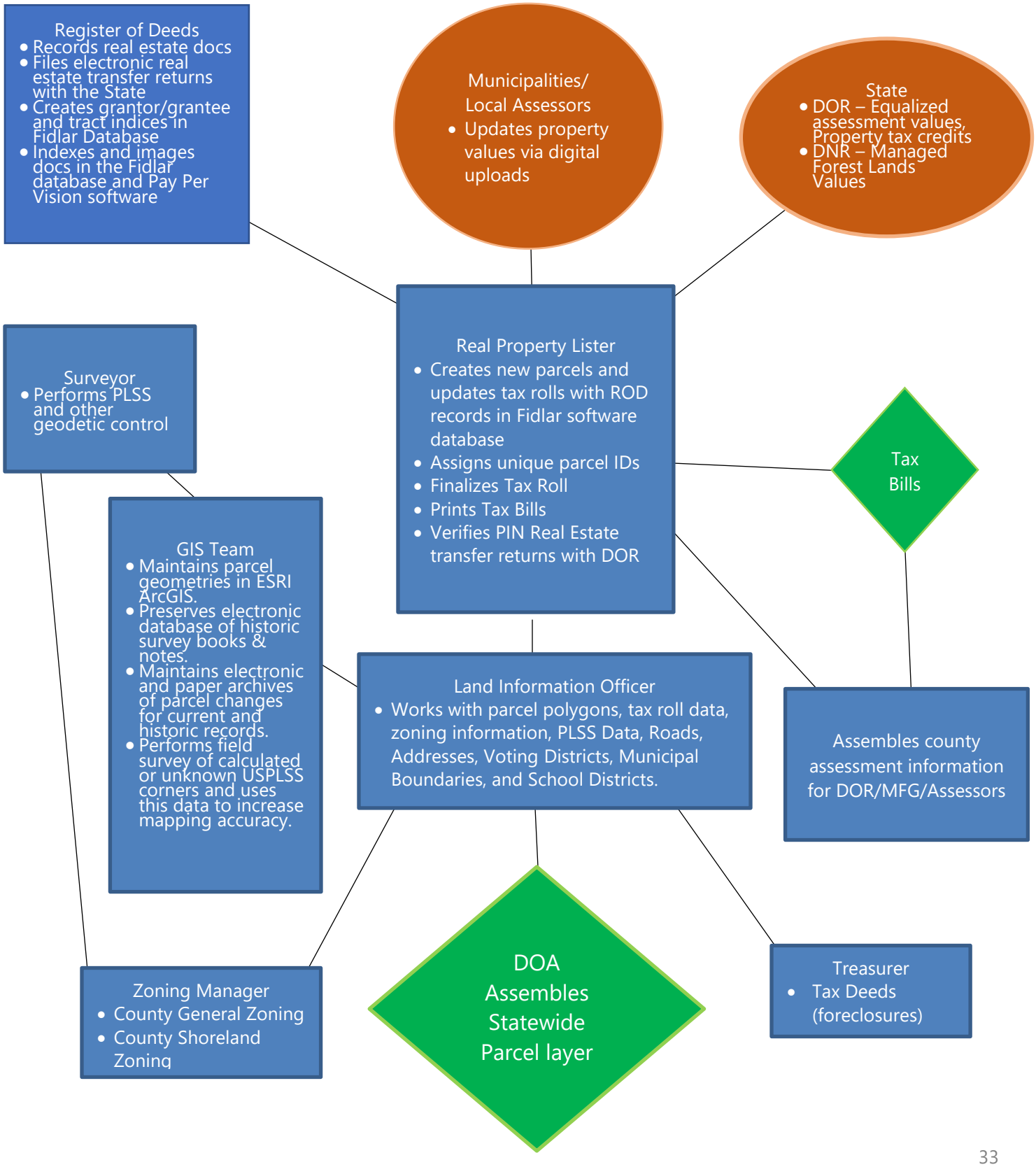
Figure 1: Diagram of Lincoln County Land Information System departments, staff, and roles



County Parcel Data Workflow Diagram

The county parcel diagram depicts Lincoln County's parcel design. This design is composed of a number of positions and departments which include Register of Deeds, Local Assessors, the State, Real Property Lister, Surveyor, GIS Manager/Team, Zoning Manager, DOA, Land Information Office, and Treasurer.

Figure 2: Diagram of County Parcel Design



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

- HP computers, servers, printers/scanners/copiers, plotters, GPS units

Software

- Lincoln County utilizes GIS software from ESRI. The following licenses are assigned and managed by Lincoln County's Land Information Officer:
  - 2 ArcGIS Desktop Advanced, Concurrent Use License, Version 10.7.1
  - 3 ArcGIS Desktop Standard, Concurrent Use License, Version 10.7.1
  - 5 ArcGIS Desktop Basic, Single Use License, Version 10.7.1
  - 1 ArcView GIS 3.1 US, Version 3.1
  - 1 ArcGIS 3D Analyst for Desktop Concurrent Use License, Version 10.7.1
  - 5 ArcSDE SQL Server Read Write Server Connection License, Version 10.7.1
  - 1 ArcGIS for Server Enterprise Basic (Windows), Up to Four Cores License Migrated from ArcSDE 9.1 License, Version 10.7.1
  - 1 ArcGIS for Server Enterprise Standard (Windows), Up to Four Cores License Migrated from 9.1 License, Version 10.7.1
  - 1 ArcPad License, Version 10.2.5
- ESRI's ArcGIS Online (included with annual ArcGIS software maintenance)
- Laredo software supplied by Fidlar Technologies provides ROD land records search tools
- RPL/Tax parcel site software supported by Transcendent Technologies
- County primarily using ArcGIS Pro in its production environment.
- County currently uses ArcGIS Pro: Yes

Website Development/Hosting

- There are publicly accessible land information web applications on Lincoln County's Land Services Mapping Portal.
- The Map Gallery page contains links to the Public Access Land Records Viewer App, the Land Records Property and Tax System, the Highway ROW Plats, the Local Road Aids/Gas Tax Map, the Tie Sheets/Section Summaries, the Survey Maps, the Rural Roads Map, the Supervisory Districts Map, the Lincoln County Polling Locations Map, the Forestry, Land, and Parks Map, and the Broad Band/Connect American Fund Application.
- The Data Downloads page contains links to Metadata Documentation, Shapefile and Geodatabase Downloads, Aerial Imagery, LiDAR 2015, and Enhanced Elevation Data.

Metadata and Data Dictionary Practices

Metadata Creation

- **Metadata creation and maintenance process:**
  - Lincoln County is in progress of metadata development on existing datasets and feature classes. As the county has migrated its data to a new ArcGIS SDE database, metadata has been created and maintained at the feature class and feature dataset level.

Metadata Software

- **Metadata software:**
  - ArcCatalog is used to update and provide access to geospatial metadata.
  - 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:**
  - Purpose, Abstract, Credits, Use Limitations, Topics and Keywords, Contacts, Maintenance, Status, Extent, Lineage, and Entity and Attribute fields.

Metadata Policy

- **Metadata Policy:**
  - The metadata is created using the guidelines from the FGDC CSDGM metadata style to fulfill the metadata standard.
  - At a minimum, metadata should list Identification and Reference data. The metadata may also include information relating to Data Quality, Spatial Data Organization, Spatial Reference, Entity and Attributes, and Distribution.

Municipal Data Integration Process

- Municipal data is integrated into Lincoln County's database when it is necessary. However, the county does not store or maintain such data.

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
https://maps.co.lincoln.wi.us/GISViewer/	https://maps.co.lincoln.wi.us/GISPortal/	https://ascent.co.lincoln.wi.us/LandRecords/PropertyListing/RealEstateTaxParcel#/Search	https://tapestry.fidlar.com/Tapestry2/Default.aspx

Single Landing Page/Portal for All Land Records Data

URL
https://maps.co.lincoln.wi.us/GISPortal/

Web Services/REST End Points

URL
https://maps.co.lincoln.wi.us/arcgis/rest/services/

Municipal Website Information

Municipal Website	Municipal Website URL
City of Merrill's Public Gallery	https://merrill.maps.arcgis.com/apps/MapAndAppGallery/index.html?appid=6340ad606ef6428ab19f2f706398a01c
City of Tomahawk GIS Application	https://www.cityoftomahawkwi.com/

Data Sharing

Data Availability to Public

Data Sharing Policy

- Lincoln County's data is available for free. Users can access this data either by viewing and downloading data off of Lincoln County's public website or by requesting the information in writing.

Open Records Compliance

- Lincoln County is in accordance with the Wisconsin Open Records Law.

Data Sharing Restrictions and Government-to-Government Data Sharing

Data Sharing Restrictions

- Lincoln County is willing to share GIS data and, currently, has no restrictions on this data sharing.

Government-to-Government Data Sharing

- Lincoln County encourages and supports all integration, education, and cooperation activities relating to land records. By utilizing standard GIS software and data formats, the county is capable of both obtaining and sharing all types of available land records data with government entities.

Training and Education

- Lincoln County staff attend Wisconsin Land Information conferences and workshops, ESRI online trainings, and other online training resources.

4 CURRENT & FUTURE PROJECTS

This chapter lists the current and future land information projects that Lincoln County is currently undertaking or intends to pursue over its planning period. 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.

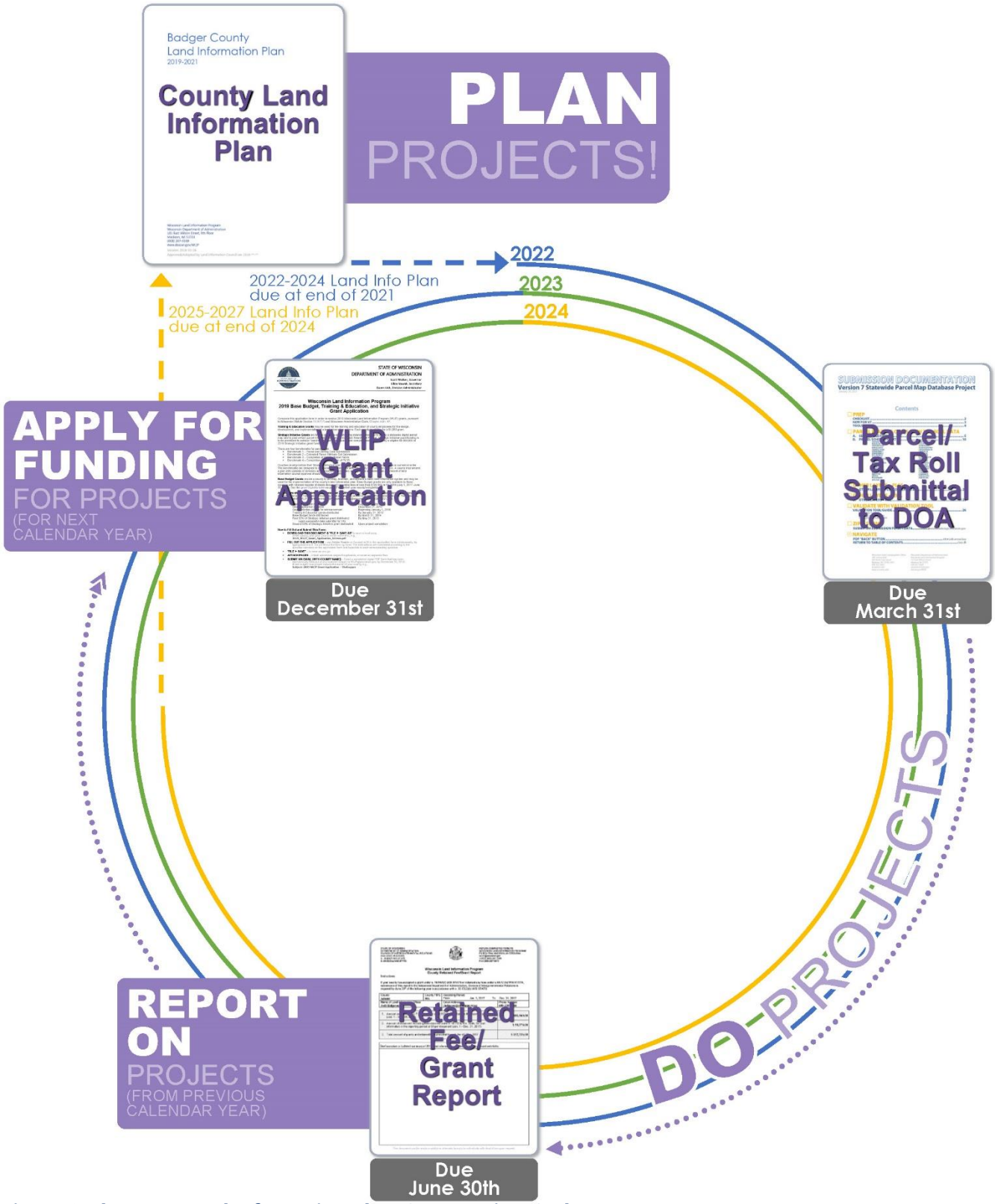


Figure 1. The WLIP Land Information Plan/Grant Project Cycle

Project #1: Scan and Index Register of Deeds Documents

Project Description/Goal

- This project will focus on re-indexing the past 60 years of the Register of Deeds (ROD) indexing system.
- **Land Info Spending Category:** Other Parcel Work

Business Drivers

- Lincoln County departments need easily accessible and accurate ROD documents for land records ownership tracking, real property listing, survey, legal description entries, and title searches. The current indexing was done many years ago and without standards.
- Lincoln County recently migrated to a new Land Records system that integrates with the ROD system. This new Land Records system obtains ROD information and provides users with a link to the ROD system, in some cases this information is incorrect.

Objectives/Measure of Success

- Once completed, this project will enable users to query tabular information in the Register of Deeds Office based on the legal description, the owner name, or document type.
- Users will be able to link from the Land Records system directly to the ROD system.

Project Timeframes

- This is an ongoing project.

Timeline – Project Plan for Scanning and Indexing ROD Documents

Milestone	Duration	Date
Project start	Ongoing	2021
Contractor Scan & Index, Contractor research and update index fields for existing records	Ongoing	
Project complete	Ongoing	Unknown

Responsible Parties

- Lincoln County Register of Deeds Department

Estimated Budget Information

- Re-indexing 60 years back $350,000 to $500,000.

Project #2: PLSS Monument Maintenance Program

Project Description/Goal

- Develop a work program that identifies corners that have not been visited in over 20 years
- Create RFPs for private contractors to perform remonumentation services

Business Drivers

- PLSS standard maintenance for corners in Lincoln County
- Outdated old observations on current monuments
- Increased accuracy on coordinates resulting in better control for GIS layers including parcels

Objectives/Measure of Success

- Updated coordinates and records for PLSS corners that have aged
- Increased accuracy on coordinates resulting in better control for GIS layers including parcels

Project Timeframes

-

Timeline – Project Plan for Web Development – Mobile Site		
Milestone	**Duration**	**Date**
Project start	–	2022
Project complete	–Ongoing/Yearly	December 31, 2024

Responsible Parties

- Lincoln County Land Services Department

Estimated Budget Information

- $25,000 annually

Project #3: Land Information RPL LTE

Project Description/Goal

- This position will be offered at 29 hours per week for a length of 46 weeks.
- This position will assist the Real Property Lister with research to improve land records in Lincoln County. The primary focus of this position will be to help identify ownership for gaps, overlaps and ROW parcel features, in addition to Managed Forest Land (MFL) updates.
- Improve data quality and integrity of data submission for Benchmark 3.
- **Land Info Spending Category:** Digital Parcel Mapping

Business Drivers

- Lincoln County Land Services Department has completed its parcel mapping county-wide. From this mapping, the county has identified many areas with unknown ownership due to gaps, overlaps, and unknown ROW ownership. Because of these issues, the county regularly spends large amounts of research time.
- MFL cleanup
- Site address updates and clean up
- Public inquiries of ownership in areas with gaps, overlaps, and ROW problems.

Objectives/Measure of Success

- Identification and cleanup of gap, overlap, and ROW ownership
- Improved customer service.
- Improved tax records and GIS mapping.
- Improved data quality and integrity of data submission for Benchmark 3.

Project Timeframes

- Unknown

Timeline – Project Plan for Web Development – Single Use Maps		
Milestone	**Duration**	**Date**
Project start	46 weeks	2022
Project complete		2024

- This is an ongoing position to support WLIP projects.

Responsible Parties

- Lincoln County Land Services Department

Estimated Budget Information

- $21,000 annually

Project #4: Land Information GIS LTE

Project Description/Goal

- This position will be offered at 29 hours per week for a length of 46 weeks.
- The focus of this position will be to help support the update of Address Points, Ranges, and other layers to meet NG911 standards.
- **Land Info Spending Category:** Address Points/Street Centerlines

Business Drivers

- NG911 Data standards

Objectives/Measure of Success

- Production data updates that support NG911 data migration.

Project Timeframes

- Unknown

Timeline – Project Plan for Web Development – Single Use Maps

Milestone	Duration	Date
Project start	46 weeks	2022
Project complete		2024

- This is an ongoing position to support WLIP projects.

Responsible Parties

- Lincoln County Land Services Department

Estimated Budget Information

- $21,000 annually

Project #5: NG911 Data Migration Support

Project Description/Goal

- This project will focus on help with migration to the state centerline and address point model to support NG911.
- Support may include data migration, custom software purchase, tools and script development.
- **Land Info Spending Category:** Address Points/Street Centerlines

Business Drivers

- NG911 Data standards

Objectives/Measure of Success

- Geodatabase migration for Street centerlines, Address Points, Fire Districts, EMS - First Responder Boundaries, and Law enforcement boundaries.

Project Timeframes

- Unknown

Timeline – Project Plan for Web Development – Single Use Maps

Milestone	Duration	Date
Project start	Unsure	2023
Project complete		2024

Responsible Parties

- Lincoln County Land Services Department

Estimated Budget Information

- Unsure/Variable -depends on available grants for NG911

Project #6: ArcGIS Parcel Fabric review and possible migration

Project Description/Goal

- Review of Parcel Fabric data model and workflows
- Possible migration to ESRI Parcel Fabric
- Training
- **Land Info Spending Category:** Digital Parcel Mapping

Business Drivers

- Improved efficiency for parcel mapping and other associated layers.
- Improved integration with PLSS Corner data and other recorded and unrecorded survey data.

Objectives/Measure of Success

- Migration of current Production Parcel mapping database that manages, Parcels, ROW features, recorded and unrecorded Plats, Zoning, and Land Use to Parcel Fabric Geodatabase Model.
- Migrated workflows and more efficient parcel mapping and data management.

Project Timeframes

-

Timeline – Project Plan for Web Development – Mobile Site

Milestone	Duration	Date
Project start	Unknown	2022
Project complete		unknown

Responsible Parties

- Lincoln County Land Services Department

Estimated Budget Information

- This work will be accomplished by Lincoln County's LIO and if needed contracted services.

Project #7: Web Server - Website Upgrades

Project Description/Goal

- Update GIS web server hardware and operating system.
- Migrate ArcGIS Enterprise Server software from 10.7.1 to 10.x.x
- Re-write the existing land records GIS website update tools to Py3.
- **Land Info Spending Category:** Website Development/Hosting Services

Business Drivers

- Current and future land records users must be provided with a website that has the ability to function on any device.
- Keep site current and up to date with technology

Objectives/Measure of Success

- Publication of Secure (https) services for all data layers
- A full integration of existing Lincoln County ArcGIS Services (data) with a query ability for parcels, lakes, and transportation features.

Project Timeframes

-

Timeline – Project Plan for Website Upgrades

Milestone	Duration	Date
Project start	Ongoing	2022
Project complete	Ongoing	2024

Responsible Parties

- Lincoln County Land Services Department

Estimated Budget Information

- This work will be accomplished by Lincoln County's LIO and, therefore, associated costs will be included in the salary.

Project #8: GIS Office Equipment

Project Description/Goal

- Purchase Office chairs, lighting, poster boards and map rails to support Land Information activities
- **Land Info Spending Category:** Other

Business Drivers

- Current office chairs are over 20 years old and are in need of updates
- Office poster/map hanging hardware are needed for proper review of printed hardcopy maps, and for display of maps while working with County and Public users

Objectives/Measure of Success

- Places to hang maps for review and display
- Chairs with arms that do not fall off or have seats that wobble

Project Timeframes

Timeline – Project Plan for Web Development – Mobile Site		
Milestone	**Duration**	**Date**
Project start	–	2022
In-House		
Project complete	–	2022

Responsible Parties

- Lincoln County Land Services Department

Estimated Budget Information

- $1,000

Project #9: Historic Aerial Photo Ortho Rectification

Project Description/Goal

- The goal of this project is to ortho-rectify historic aerial photos for use by the Lincoln County staff and by the public.
- The primary goal will be to capture 1980 Orthophoto series
- **Land Info Spending Category:** Orthoimagery

Business Drivers

- This will assist the county's Land Services staff in day to day work of tracing out historic parcel lines and performing research.

Objectives/Measure of Success

- Publication of the data to internal staff and the public.

Project Timeframes

- This project will be undertaken if funding exists

Timeline – Project Plan for Historic Aerial Photo Ortho Rectification		
Milestone	**Duration**	**Date**
Project start	1 Year	2022
Acceptance of new orthophotography	-	Dec. 31, 2022
Project complete		Dec. 31, 2022

Responsible Parties

- Lincoln County Land Services Department

Estimated Budget Information

- $21,000

Project #10: Aerial Photo Ortho Rectification

Project Description/Goal

- The goal of this project is to ortho-rectify aerial photos for use by the Lincoln County staff and by the public.
- The primary goal will be to capture new Orthophoto Imagery in 2024
- **Land Info Spending Category:** Orthoimagery

Business Drivers

- This will assist the county's Land Services staff in day to day work of tracing out historic parcel lines and performing research.

Objectives/Measure of Success

- Publication of the data to internal staff and the public.

Project Timeframes

- This project will be undertaken if funding exists

Timeline – Project Plan for Historic Aerial Photo Ortho Rectification		
Milestone	**Duration**	**Date**
Project start	1 Year	2024
Acceptance of new orthophotography	-	Dec. 31, 2024
Project complete		Dec. 31, 2024

Responsible Parties

- Lincoln County Land Services Department

Estimated Budget Information

- $72,000

Ongoing costs not associated with a specific project

Funding for the Land Information Program Manager or GIS Specialist Positions

Fees retained from the Register of Deeds by participating in the WLIP pay for roughly half the salary of the Lincoln County Land Information Program Manager in the Land Services Department. Remaining WLIP funds and grants are used to pay for projects identified in the Land Information Plan. The Land Information Program Manager works to modernize the county's land records by performing the following:

- Administrates the Wisconsin Land Information Program.
- Administrates the Rural Addressing Program in Lincoln County by administering the Rural Roads and Address Ordinance.
- Supervises and directs the activities and work of the County Surveyor, GIS Specialist, and Real Property Lister.
- Administration of GIS software/service packs and maintenance of GIS servers and programs in use at the County.
- Administrates ESRI Licenses and License Manager-Server for all County departments.
- Administrates ArcGIS Server Mapping Sites for the County.
- Administrates Land Records Portal and Data Downloads Website.
- Administrates ArcGIS ArcSDE (Arc Spatial Data Engine), SQL Server RDBMS software used for County Production data storage and maintenance.
- Implements, maintains, and updates the projects and goals outlined in the Lincoln County Land Information Modernization Plan in accordance with State Statutes.
- Assists in administration of the county's E911 dispatching software.
- Coordinates, communicates, and acts as the technical liaison with end users of the address system including but not limited to fire departments, sheriff's departments, ambulance providers, 9-1-1 Tele-communicators, Census, voter registration, Town officials and others.
- Leads development and administers policies, procedures, and standards related to the development and maintenance of the GIS including standards for data integration, data retrieval, map registration, and data entry functions.
- Develops and maintains organizational structure of the GIS data based on industry and software standards and in cooperation with other GIS users.
- Develops project goals and supervises land records projects such as parcel mapping, address mapping, survey record management, website development, orthophotography, census, plat book development, etc.
- Coordinates and assists other county departments in the implementation of land records modernization activities including GIS and spatial data for their needs. Develops procedures within the County that support both Land Records Modernization and county-wide geographic systems.
- Coordinates with other departments in planning, developing, maintaining and effectively utilizing GIS and relational databases.
- Develops operational methodologies and quality control standards for computerized mapping projects plus related data retrieval, map registration, and data entry functions.
- Writes and/or reviews Request for Proposals for projects.
- Completes quality assurance checks on project data and processes.
- Researches/recommends the purchases of GIS related hardware and software.
- Coordinates the acquisition of land record information from public and private sources
- Provides technical assistance for GIS users and the public in the operation of software, troubleshooting problems, and in the development of specialized applications.
- Trains, and supports county staff in the use of GIS Mapping and Global Positioning Systems (GPS) equipment and assists in usage of collected data.
- Prepares and maintains user and system documentation, including metadata, for all data entry and GIS information.
- Participates in activities that promote and contribute to GIS development in the county.
- Completes interpretations and field verifications of aerial photography and other remote sensing data.
- Assists the public in the search of geographic information and other land records data.
- Advises the Lincoln County board and departments on state and county programs and legislation that are relevant to land records modernization and GIS.

- Attends conferences, seminars, meetings, and educational training to maintain competency and awareness of trends, legislation, and technology related to GIS and Land Information Systems.
- Performs other duties as assigned.

Completed Projects from 2019 to 2021

- Project Title: Migrated ESRI platforms for ArcGIS Desktop, Webserver and ArcSDE from version 10.5.1 to ArcGIS 10.7.1
- Project Title: Windows Server migrations
- Project Title: Server installs/upgrades for ArcGIS Server and ArcSDE
- Project Title: Creation and migration to a new public GIS Viewer website
- Project Title: Creation of an internal GIS data access site
- Project Title: Public Online Mapping Portal webpage updates
- Project Title: Public Online Data Downloads page updates
- Project Title: Internal PLSS Analysis Websites (multiple)
- Project Title: External PLSS Control Mapping Website to support RFPs
- Project Title: Public ROW finder website creation that supports searching/display/download ROW Plat information
- Project Title: Creation of internal website to support Act 184 Sexually Violent Predator locating
- Project Title: Production Geodatabase Redesign and Migration
- Project Title: Publication Geodatabase Redesign and Migration
- Project Title: Hardware Upgrade – Servers, PCs and Printer Plotters
- Project Title: PLSS Remonumentation - Ongoing
- Project Title: PLSS Geodatabase redesign and corner management system maintenance
- Project Title: Addressing system(Points, centerlines, Emergency responder layers) updates - Ongoing
- Project Title: Purchase and migration to a new Real Property and Tax Management System
- Project Title: Orthophoto Capture 2020 – 6 inch countywide
- Project Title: 1970 years Orthos rectified and published
- Project Title: Hydrography layer creation, and value added mapping
- Project Title: Plat research and remapping to new control, parcel boundary adjustments

STATE OF WISCONSIN
DEPARTMENT OF ADMINISTRATION
DIVISION OF INTERGOVERNMENTAL RELATIONS
DOA-12020 (R 03/2020)
S. 16.967(7) WIS STATS
S. 59.72(2)(b) WIS STATS

RETURN COMPLETED FORM TO:
WISCONSIN LAND INFORMATION PROGRAM
PO BOX 8944, MADISON, WI 53708-8944
WLIP@wisconsin.gov
VOICE (608) 267-3369
FAX (608) 267-6917

Wisconsin Land Information Program
County Retained Fee/Grant Report

Instructions:

If your county has accepted a grant under s. 16.967(7) WIS STATS or retained any fees under s.59.72 (5) WIS STATS, submission of this report to the Wisconsin Department of Administration, Division of Intergovernmental Relations is required by June 30th of the following year in accordance with s. 59.72(2)(b) WIS STATS.

County	County FIPS	Recording Period:	
Lincoln	**069**	From Jan. 1, 2022 To Dec. 31, 2022	
Name of Land Information Officer		Email Address	Phone Number
Norm Bushor		**norm.bushor@co.lincoln.wi.us**	**715-539-1058**

1. Amount awarded in WLIP grants under s. 16.967(7) Wis. Stats. in the reporting period (Jan. 1 – Dec. 31, 2022)	**$ 92,656.00**
2. Amount of document recording fees retained under s. 59.72(5) Wis. Stats. for land information in the reporting period at $8 per document (Jan. 1 – Dec. 31, 2022)	**$ 50,216.00**
3. Total amount of grants and retained fees provided through the WLIP in 2022	**$ 142,872.00**

Brief narrative or bulleted summary of 2022 land information activities:

ArcSDE Server and Geodatabase migration
ArcGIS Server website updates and creation
Updates of internal GIS Viewer with additional tools
Addressing work, Centerline work
Parcel Mapping
GIS Data updates county-wide
PLSS/Parcel integration, PLSS review and corner updates
DOA Submissions
E911 data layer updates
Act 184 Data updates and website updates
Administrative duties
Forestry, Zoning, Conservation, Dispatch, Municipalities, Emergency Services, Fire Departments support

This document can be made available in alternate formats to individuals with disabilities upon request.

Wisconsin Land Information Program
County Retained Fee/Grant Report – Continued

Land Info Spending Category	Project Title(s) Expand the height of rows if you have multiple projects in a spending category. Row height will automatically expand as you type. Do not delete rows. Add rows only for "Other."	Land Info Plan Citations Page number reference	Project Cost Note unit cost and project total for each project	Total Cost for Spending Category (ONE total per Spending Category)
Digital Parcel Mapping	Parcel Mapping	44-45	LIO – 43.62/hr 400 hours – $17,448	$17,448.00
PLSS	PLSS Monument Updates/PLSS Monument Contract/PLSS Supplies	39	Cardinal North Survey remonumentation of 111 monuments @ $580 monuments - $64,380 Remon Supplies - Pipe N' Sticks $437.84, Berntsen - $508.66	$65,326.5
Other Parcel Work (e.g., ROD indexing)	ROD Image Re-Indexing project – Fidlar	39	Fidlar $1 per Document $411,421, RPL - LTE Land Records Addressing Clean up, Transfers, MFL data clean up and entry, Problem parcels research 784 Hrs @ $17.63/hr - $13,821.92	$425,242.92
LIDAR				0.00
Orthoimagery	Historic Orthophoto Conversion - 1980	43	Ayers-$17,400	$17,400.00
Address Points	Addressing Road Centerline and Address Point Maintenance	44-45	LIO – 43.62/hr 250 hours – $10,905.00	$10,905.00
Street Centerlines	Covered in address Points maintenance hours	44-45		0.00
Software				0.00
Hardware				0.00
Website Development/ Hosting Services	PLSS Monument project tracking website and data base development, Internal Broadband Site migration/development/updates	42-43	LIO – 43.62/hr 79 hours - $,3445.98	$3,445.98

Administrative Activities and Management	WLIP Plan Administration, desktop software admin, ArcGIS and data servers administration, SDE administration, GDB updates, servers and desktop migrations, Python scripting	44-45	LIO – 43.62/hr 120 hours –$5,234.40	$5,234.40
Training and Education				0.00
Other (specify in second column)	Office Equipment – 2 office chairs	43	Amazon $209.99/268.47	$478.46
			TOTAL	**545.481.26 $**
			Amount of retained fees and grants **spent** on land records modernization in the reporting period Note: Total may be more or less than the amount of grants awarded and fees retained in 2022, because some funds may be carried over from year to year.	

STATE OF WISCONSIN
DEPARTMENT OF ADMINISTRATION
Tony Evers, Governor
Kathy Blumenfeld, Secretary
Dawn Vick, Division Administrator

Wisconsin Land Information Program
2024 Base Budget, Training & Education, and Strategic Initiative Grant Application

Complete this application form in order to receive 2024 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 $10,000 in 2024 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. Instructions for amending a plan appear on the following page.

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 2023 (July 1, 2022–June 30, 2023). See the grant eligibility table on page 9 to confirm your county's eligibility.

Applications should be submitted by December 31, 2023 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	August 25, 2023
Grant application deadline	December 31, 2023
Grant activities eligible for reimbursement	Beginning January 1, 2024
Training & Education grants distributed	By February 28, 2024
Base Budget grants distributed	By April 30, 2024
Strategic Initiative grant distributed (upon successful data submittal for V10)	By July 31, 2024
Grant project completion deadline	December 31, 2025

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.,
  File name: 2024_WLIP_Grant_Application_LaCrosse.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, 2023. Email subject line should include the name of your county, e.g.,
  Email Subject: 2024 WLIP Grant Application – Florence

Instructions for Amending Grant Projects

If the grant application is approved, DOA will enter into a grant agreement to fund the specific projects and activities as set forth in the grant application. If, after the grant agreement is executed, conditions or situations at the county change such that it is necessary to change a project's scope of work or timeline, the county should seek approval for an amendment.

Any proposed change to grant projects or activities must be described in an amended version of the county's grant application. Because Wisconsin Administrative Code, Chapter Adm. 47.06(3) requires grant projects be consistent with an approved county land information plan, in some cases, it may also be necessary for the county to amend its land information plan.

To amend grant projects or project activities. Complete a revised, amended version of the original grant application that describes the complete, updated set of project activities to be funded with the grant. Include:

- Change to project/project activities
- Updated dollar amount(s) for project costs
- Land information plan citations for the new project
- Original project/project activities that remain unaffected by the amendment (leave intact and unchanged from initial application)
- Add the word "Amended" to the file name
- Submit the amended application to the WLIP grant administrator. In an email, list the grant type and specific year of the grant for which amendment is requested

To make amendments to land information plan (so that the plan is consistent with the grant application). There are two options for amending county land information plans:

- a) Amend the land information plan immediately to include the project. Send the entire amended plan to the grant administrator. For amended plans, counties must include documentation of county land information council approval (e.g., meeting minutes or resolution).
- b) Send documentation of land information council approval of the project, and update the land information plan at the next convenient update opportunity. This could be the next regularly scheduled land information council meeting or during the land information plan update process in 2024. Plans for the three-year period covering 2025-2027 shall be authored according to uniform instructions available from DOA in the year 2024. By the end of 2024, all counties will need to update their land information plans, per state statute 59.72(3)(b).

To request an extension of a grant project deadline. If the county is unable to complete projects by the grant agreement deadline, you may request an extension by emailing the grant administrator. Include:

- The grant type and specific year of the grant
- Reason for extension
- Include the word "Extension"

Training & Education Grant Application Instructions

TE_#1 County submitted a 2022-2024 land information plan to DOA? All counties updated their county land information plan in 2021 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 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 2022 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 2022.

TE_#5 Training & Education Award Eligible. The amount of $1,000 is available to each county for 2024 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 $10,000 is available to each county for 2024 Strategic Initiative grants.

SI_#2 Strategic Initiative Award Amount Requested. Enter the amount requested (up to $10,000).

SI_#3 Will the county use 2024 Strategic Initiative Funding to work toward Benchmark 1 and 2 in the Searchable Format in the first quarter of 2024? 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 10 Statewide Parcel Map Database Project (V10) data submittal, using grant funds to do so if necessary. V10 data submittals will be due March 31, 2024.

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 V10, 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 cleanup and standardization before submitting data. Data exactly matches the Searchable Format standard. The Searchable Format is defined in detail in the Submission Documentation.

Figure 1. Summary of 2024 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)

SI_#4 Will the county use 2024 Strategic Initiative Funding to work toward and/or maintain the Searchable Format for **V11** or **V12**? 2024 projects have a completion deadline of December 31, 2025—which means that Strategic Initiative grant projects can span two whole calendar years. The projected data submission deadline for V11 is March 31, 2025. Indicate whether the county will use 2024 Strategic Initiative grant funding to work toward and/or maintain the Searchable Format for V11 or V12.

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 (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 V10. 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 $10,000. 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 $10,000 on this application form.

SI_#8 Will the county perform data cleanup and standardization tasks in order to meet the Searchable Format standard before submitting data for the **V10 call** for data by March 31, 2024? Indicate whether the county will perform data cleanup and standardization tasks before submitting data for V10 by March 31, 2024. Counties must meet the Searchable Format standard for the V10 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 any deficiencies in order to meet the Searchable Format standard, explain why the deficiencies cannot be rectified by the V10 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 counties 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 2024 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 (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 $10,000. 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 $10,000 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.

PLSS integration. Integration means the optimization of the geospatial accuracy of the digital parcel layer which improves the accuracy of where parcel boundary lines are represented on the digital parcel map. In cases where the result would be a materially significant improvement to the geospatial accuracy of the digital parcel layer, parcels have been tied to and, if necessary, adjusted geometrically to the inputted PLSS coordinates. This definition does not imply a restriction on a county's options for integration, whether it is snapping parcel boundary lines to PLSS corner coordinates one corner at a time, entirely redrawing parcel boundaries one survey township at a time, or another chosen approach. (For example, "rubber sheeting" is not required.)

SI_#16 Benchmark 4 waiver request to acquire lidar or aerial imagery. Strategic Initiative funds for 2024 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 2024 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 (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 NAD 27 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 $10,000. 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 $10,000 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, 2024 for the V10 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 $10k in 2024 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 2021 *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 $10,000 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 *2024 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 $10,000—the Strategic Initiative Award Eligible amount. Include costs for addendum projects in Strategic Initiative total if applicable. If the county anticipates spending more than $10,000 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 2024 Base Budget grant. Refer to the grant eligibility table on page 9 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/disbursed may not exceed your county's eligible amount from the grant eligibility table on page 9.

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 remonumentation
- 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 (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 2024 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.

2024 Grant Eligibility Table

	State FY23 Retained Fees (July 2022-June 2023)	BB Grant Eligibility ($100k – FY23 Retained Fees)	Strategic Initiative Grant Eligibility	Training & Education Grant Eligibility	Total Grant Eligibility Amount
Adams	53,320	46,680	10,000	1,000	57,680
Ashland	22,928	77,072	10,000	1,000	88,072
Barron	59,248	40,752	10,000	1,000	51,752
Bayfield	33,648	66,352	10,000	1,000	77,352
Brown	236,656	NA	10,000	1,000	11,000
Buffalo	20,824	79,176	10,000	1,000	90,176
Burnett	38,048	61,952	10,000	1,000	72,952
Calumet	52,136	47,864	10,000	1,000	58,864
Chippewa	72,648	27,352	10,000	1,000	38,352
Clark	41,856	58,144	10,000	1,000	69,144
Columbia	73,912	26,088	10,000	1,000	37,088
Crawford	20,608	79,392	10,000	1,000	90,392
Dane	519,384	NA	10,000	1,000	11,000
Dodge	88,240	11,760	10,000	1,000	22,760
Door	60,592	39,408	10,000	1,000	50,408
Douglas	50,984	49,016	10,000	1,000	60,016
Dunn	44,160	55,840	10,000	1,000	66,840
Eau Claire	92,720	7,280	10,000	1,000	18,280
Florence	11,464	88,536	10,000	1,000	99,536
Fond du Lac	102,632	NA	10,000	1,000	11,000
Forest	21,264	78,736	10,000	1,000	89,736
Grant	51,416	48,584	10,000	1,000	59,584
Green	45,784	54,216	10,000	1,000	65,216
Green Lake	27,160	72,840	10,000	1,000	83,840
Iowa	32,216	67,784	10,000	1,000	78,784
Iron	15,192	84,808	10,000	1,000	95,808
Jackson	29,568	70,432	10,000	1,000	81,432
Jefferson	86,384	13,616	10,000	1,000	24,616
Juneau	41,752	58,248	10,000	1,000	69,248
Kenosha	140,784	NA	10,000	1,000	11,000
Kewaunee	23,552	76,448	10,000	1,000	87,448
La Crosse	108,456	NA	10,000	1,000	11,000
Lafayette	23,808	76,192	10,000	1,000	87,192
Langlade	34,760	65,240	10,000	1,000	76,240
Lincoln	41,552	58,448	10,000	1,000	69,448
Manitowoc	84,104	15,896	10,000	1,000	26,896
Marathon	150,696	NA	10,000	1,000	11,000
Marinette	70,456	29,544	10,000	1,000	40,544
Marquette	26,928	73,072	10,000	1,000	84,072
Menominee	3,584	96,416	10,000	1,000	107,416
Milwaukee	697,048	NA	10,000	1,000	11,000
Monroe	48,984	51,016	10,000	1,000	62,016
Oconto	58,504	41,496	10,000	1,000	52,496
Oneida	73,120	26,880	10,000	1,000	37,880
Outagamie	178,112	NA	10,000	1,000	11,000
Ozaukee	89,840	10,160	10,000	1,000	21,160
Pepin	10,760	89,240	10,000	1,000	100,240
Pierce	42,960	57,040	10,000	1,000	68,040
Polk	68,288	31,712	10,000	1,000	42,712
Portage	66,880	33,120	10,000	1,000	44,120
Price	28,696	71,304	10,000	1,000	82,304
Racine	195,544	NA	10,000	1,000	11,000
Richland	22,840	77,160	10,000	1,000	88,160
Rock	172,528	NA	10,000	1,000	11,000
Rusk	25,696	74,304	10,000	1,000	85,304
Sauk	108,960	NA	10,000	1,000	11,000
Sawyer	42,064	57,936	10,000	1,000	68,936
Shawano	58,960	41,040	10,000	1,000	52,040
Sheboygan	110,896	NA	10,000	1,000	11,000
St. Croix	104,760	NA	10,000	1,000	11,000
Taylor	28,416	71,584	10,000	1,000	82,584
Trempealeau	35,520	64,480	10,000	1,000	75,480
Vernon	37,072	62,928	10,000	1,000	73,928
Vilas	57,808	42,192	10,000	1,000	53,192
Walworth	130,416	NA	10,000	1,000	11,000
Washburn	32,768	67,232	10,000	1,000	78,232
Washington	135,824	NA	10,000	1,000	11,000
Waukesha	398,008	NA	10,000	1,000	11,000
Waupaca	64,048	35,952	10,000	1,000	46,952
Waushara	40,160	59,840	10,000	1,000	70,840
Winnebago	162,440	NA	10,000	1,000	11,000
Wood	82,296	17,704	10,000	1,000	28,704
Total	**6,165,640**	**2,987,504**	**720,000**	**72,000**	**3,779,504**

STATE OF WISCONSIN
DEPARTMENT OF ADMINISTRATION
DIVISION OF INTERGOVERNMENTAL RELATIONS

WISCONSIN LAND INFORMATION PROGRAM
PO BOX 8944, MADISON, WI 53708-8944
WLIP@wisconsin.gov
VOICE (608) 267-3369
FAX (608) 267-6917

2024 WLIP Training & Education Grant Application

County:

1. County submitted a 2022-2024 land information plan to DOA ☐ Yes ☐ No
2. Enter date of last county land information council meeting (mm/dd/yyyy) ▶
3. LIO subscribed to the land information listserv ☐ Yes ☐ No
4. County's *Retained Fee/Grant Report* for 2022 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, 2025.

LIO Name (typed) Date (mm/dd/yyyy)

STATE OF WISCONSIN
DEPARTMENT OF ADMINISTRATION
DIVISION OF INTERGOVERNMENTAL RELATIONS

WISCONSIN LAND INFORMATION PROGRAM
PO BOX 8944, MADISON, WI 53708-8944
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2024 WLIP **Strategic Initiative** Grant Application

County:

1. Strategic Initiative Award Eligible **$ 10,000.00**
2. Strategic Initiative Award Amount Requested **$**

BENCHMARK 1 & BENCHMARK 2

3. The county must meet Benchmark 1 and Benchmark 2 for the V10 call for data by March 31, 2024 in the Searchable Format. Will the county use 2024 Strategic Initiative funding to work toward the Searchable Format for **V10** Benchmark 1 and 2 in the first quarter of 2024?
   - ☐ Yes
   - ☐ No
4. Will the county use 2024 Strategic Initiative Funding to work toward and/or maintain the Searchable Format for **V11** or **V12**?
   - ☐ Yes
   - ☐ No
5. Benchmark 1 and 2 Land Information Plan Citations for *Project Plan to Achieve Searchable Format for Benchmarks 1 & 2* – 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 the county perform data cleanup and standardization tasks in order to meet the Searchable Format standard before submitting data for the **V10** call for data by March 31, 2024?
   - ☐ Yes ▸ Skip down to #10 below
   - ☐ NA – Not applicable because no deficiencies ▸ Skip down to #10 below
   - ☐ No
9. If you answered "No" to SI_#8 above, briefly describe how you will address any deficiencies in order to meet the Searchable Format standard, explain why the deficiencies cannot be rectified by the V10 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 2024 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* – Page numbers

13.

Benchmark 3 Project Activities ▼	Costs ▼		
		14. Benchmark 3 Total Costs ▸	

BENCHMARK 4

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

- ☐ Yes, PLSS network complete and integrated (according to the definition of integration on page 6)
- ☐ 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 *2024 WLIP Grant Application Addendum*
- ☐ Yes, waiver requested in favor of **Imagery** project ▸ Fill out *2024 WLIP Grant Application Addendum*

17. Will county use 2024 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* – Page numbers

19.

Benchmark 4 Project Activities ▼	Costs ▼		
		20. Benchmark 4 Total Costs ▸	

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 $10k Strategic Initiative funding "leftover"?

    ☐ Yes

    ☐ No

22. Estimated amount of $10k 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 *2024 WLIP Grant Application Addendum* to describe the projects you will use the Strategic Initiative funding for.

23. TOTAL ALL STRATEGIC INITIATIVE PROJECTS (should equal ≤ $10,000.00) ▸ **$** _____

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 December 31, 2025.

    LIO Name (typed) _____ Date (mm/dd/yyyy) _____

STATE OF WISCONSIN
DEPARTMENT OF ADMINISTRATION
DIVISION OF INTERGOVERNMENTAL RELATIONS

WISCONSIN LAND INFORMATION PROGRAM
PO BOX 8944, MADISON, WI 53708-8944
WLIP@wisconsin.gov
VOICE (608) 267-3369
FAX (608) 267-6917

2024 WLIP Base Budget Grant Application

County:

1. Base Budget Award Eligible (from grant eligibility table on page 9) $
2. Base Budget Award Amount Requested $
3. **Base Budget Grant Project Title 1**

4. Land Information Spending Category:
5. Land Information Plan Citations – Page numbers

6.

Project Activities ▼	Costs ▼		
		7. Base Budget Project 1 Total ▸	

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

9. Land Information Spending Category:
10. Land Information Plan Citations – Page numbers

11.

Project Activities ▼	Costs ▼		
		12. Base Budget Project 2 Total ▸	

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

14. Land Information Spending Category:

15. Land Information Plan Citations – 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 – 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, 2025.

LIO Name (typed) Date (mm/dd/yyyy)

2024 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 – 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 – 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

2024 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 3**

2. Land Information Spending Category:

3. Land Information Plan Citations – Page numbers

4. Addendum Project 3 Activities ▼ Costs ▼

		5. Addendum Project 3 Total ▸	

6. **Project Title 4**

7. Land Information Spending Category:

8. Land Information Plan Citations – Page numbers

9. Addendum Project 4 Activities ▼ Costs ▼

		10. Addendum Project 4 Total ▸	

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

2024 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 5**

2. Land Information Spending Category:

3. Land Information Plan Citations – Page numbers

4.

Addendum Project 5 Activities ▼	Costs ▼		
		5. Addendum Project 5 Total ▸	

6. **Project Title 6**

7. Land Information Spending Category:

8. Land Information Plan Citations – Page numbers

9.

Addendum Project 6 Activities ▼	Costs ▼		
		10. Addendum Project 6 Total ▸	

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