

Oconto County Land Information Plan 2025-2027

Oconto County Land Information
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Approved by Land Information Council on: 21 November 2024

Adopted by Oconto County Board of Supervisors 19 December 2024

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EXECUTIVE SUMMARY

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

This plan has been reviewed by the Wisconsin Land Information Program (WLIP) a division of the Department of Administration (DOA), approved by the Oconto County Land Information Council, and was adopted by the Oconto County Board of Supervisors on December 19, 2024.

WLIP Background. The WLIP, administered by the Wisconsin Department of Administration, is funded by document recording fees collected by register of deeds at the county-level. Beginning January 1st, 2015, deeds, mortgages, and other land record documents recorded with the Register of Deeds office have a \$30 flat fee with the revenues distributed as follows:

- \$15 to County’s general fund
- \$8 to County’s Land Information Office (LIO)
- \$7 to State DOA for administering program and distributing grants

In 2023, Oconto County was awarded \$89,384 in WLIP grants and retained a total of \$55,696 in local register of deeds document recording fees for land information.

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

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

Mission of the Land Information Office. Oconto County strives to continually develop, enhance, and implement a modern geographic information system (GIS) that addresses land information needs and provides quality data and applications for users of land information in an equitable and efficient manner.

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

Oconto County Land Information Projects: 2025-2027	
Project #1	PLSS Remonumentation and Section Protractions
Project #2	Parcel Mapping Updates
Project #3	Create and/or enhance GIS Applications
Project #4	Development and Updating of Datasets
Project #5	Support and Updates to E911 Mapping
Project #6	Orthoimagery Acquisition
Project #7	Scanning and Indexing of ROW plats
Project #8	Assessment/Tax Roll/Zoning Software update

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

Coordinate with other County Plans. To minimize duplication and maximize efficiency Oconto County coordinates the goals of the land records/GIS and the Land Records Modernization plan with other county plans. The plans included but are not limited to: *(Plan name – Primary department responsible for plan)*

- All Hazards Mitigation Plan – Emergency Management
- Comprehensive Plan – Planning and Development
- Land & Water Resource Management Plan – Land Conservation
- Oconto County Forest Comprehensive Land use plan – Forestry and Parks
- 5 Year park and Recreation Plan – Forestry and Parks
- Invasive Species Strategic Management Plan – Land Conservation

1 INTRODUCTION

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

The WLIP and the Land Information Plan Requirement

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

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

LAND INFORMATION

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

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

– Wis. Stats. section 59.72(1)(a)

Any grants received and fees retained for land information through the WLIP must be spent consistent with the Oconto County Land Information Plan.

The Statewide Parcel Map Initiative

Although Act 20 initially provided more revenue, in recent years the revenue has been reduced due to a downturn in the number of real estate transactions. Additionally, software maintenance increases of 4-6% per year and inflation since 2013 has adversely affected the effectiveness of the fee increase from 2013.

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

WLIP Benchmarks

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

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

County Land Information System History and Context

Oconto County has taken the initiative to pursue a land records modernization program based on the Wisconsin Land Information Program (WLIP). As its first step, on May 17, 1990 Oconto County formed the Oconto County Land Information Office (OCLIO) (Resolution 90-45) to coordinate the Land Records Modernization Program in accordance with Wisconsin State Statutes.

The 2009 Wisconsin Act 314 required counties to form a Land Information Council to remain eligible for participation in the Land Record Modernization Program. Pursuant to Wisconsin Statute 59.72 (3m) the County Board formed the Oconto County Land Information Council with the adoption of Resolution #50-2010 on July 22, 2010. The Land Information Council shall review the priorities, needs, policies, and expenditures of the Land Information Office and advise the County on matters affecting the Land Information Office. The Land Information Council works in an advisory capacity to the Oconto County Land and Water Resources Committee and the County Board of Supervisors.

County Land Information Plan Process

Counties must submit their plans to DOA for approval every three years. The 2025-2027 plan is to be completed at the end of 2024.

County Land Information Plan Timeline

- Comments on draft instructions due by February 23, 2024.
- DOA release of finalized instructions by March 31, 2024.
- April-September 2024: Counties work on land info plans.
- Complete draft plans due to DOA by September 30, 2024
- Final plans with county land info council approval due by December 31st, 2024.

Plan Participants and Contact Information

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

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

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

The land information council must have a role in the development of the county land information plan, and DOA requires county land information councils to approve final plans. This Oconto County Land Information Plan update was prepared by the Oconto County Planning and Zoning and the Land Information Divisions of the Oconto County Land & Water Resources Office; the Oconto County LIO; the Oconto County Land Information Council; and others as listed below:

Oconto County Land Information Council and Plan Workgroup				
Name	Title	Affiliation	Email	Phone
* David Poffinbarger	LIS Administrator/LIO/GIS Coordinator	Oconto County Land Information Systems Dept.	david.poffinbarger@oconto countywi.gov	920.834.6827
* Brian Gross	County Surveyor	Oconto County Land Information Systems Dept.	brian.gross@ocontocountywi.gov	920.834.6827
* Megan Oswald	Real Property Lister	Oconto County Land Information Systems Dept.	megan.oswald@oconto countywi.gov	920.834.6827

* Patrick Virtues	Planning, Zoning, & Solid Waste Administrator	Oconto County Planning and Zoning Dept.	pat.virtues@ocontocountywi.gov	920.834.6827
*Laurie Wusterbarth	Register of Deeds	Oconto County Register of Deeds Dept.	laurie.wusterbarth@ocontocountywi.gov	920.834.7114
* Tanya Peterson	County Treasurer	Oconto County Treasurer Dept.	tanya.peterson@ocontocountywi.gov	920.834.6814
* Jon Spice	Emergency Management Director	Oconto County Sheriff Dept.	jon.spice@ocontocountywi.gov	920.834.6850
* Adam Adler	Realtor	Local Realtor	aadler@coldwellhomes.com	920.737.9449
* Bart Schindel	County Board Member	Oconto County Board of Supervisors	bart.schindel@ocontocountywi.gov	920.834.6800
Jamie Broehm	Principal Planner	Oconto County Planning and Zoning Dept.	jamie.broehm@ocontocountywi.gov	920-834-6827
Melissa Schwaller	Technology Services Manager	Oconto County Technology services Dept.	melissa.schwaller@ocontocountywi.gov	920-834-6871
Richard Heath	Administrator	Oconto County Administration dept.	richard.heath@ocontocountywi.gov	920-834-6811
Kim Pytleski	County Clerk	Oconto County Clerks Dept.	kim.pytleski@ocontocountywi.gov	920-834-6806
Monty Brink	Forest, Parks, & Recreation Administrator	Oconto County Forestry and Parks Dept.	monty.brink@ocontocountywi.gov	920 834-6995
Ken Dolata	Soil Conservationist	Oconto County Land Conservation Dept.	ken.dolata@ocontocountywi.gov	920 834-7152
Brandon Hytinen	Highway Commissioner	Oconto County Highway Dept	brandon.hytinen@ocontocountywi.gov	920-834-6896
Lisa Sherman	Finance Director	Oconto County Finance Dept	lisa.sherman@ocontocountywi.gov	920-834-7111

* Land Information Council members are designated above by an asterisk. The Oconto County Land Information Council was originally created on July 22, 2010, by the Oconto County Board of Supervisors (Resolution 50-2010) in accordance with s. 59.72(3m) Wis. Stats.

2 FOUNDATIONAL ELEMENTS

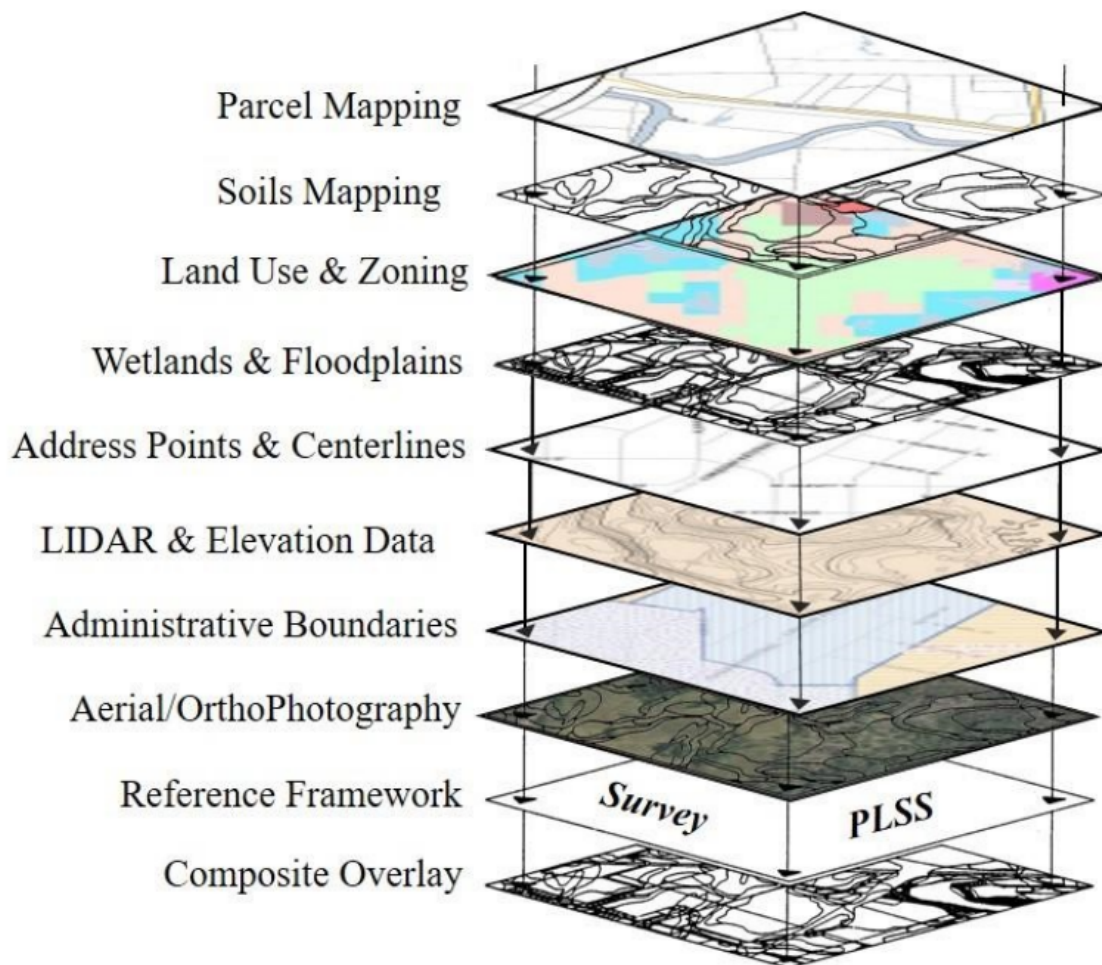
Oconto County must have a land information plan that addresses development of specific datasets or map layer groupings historically referred to as the WLIP Foundational Elements. Foundational Elements incorporate nationally-recognized "Framework Data" elements, the major map data themes that serve as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

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

Oconto County has completed many of the Foundation Elements thanks to the support of the Oconto County Board and the Wisconsin Land Information Program. Maintaining the foundational elements is ongoing and contributes to the increased accuracy of our land records systems.

FOUNDATIONAL ELEMENTS

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



PLSS

Public Land Survey System Monuments

Layer Status PLSS Layer Status

	Status/Comments												
Number of PLSS corners (selection, ¼, meander) set in original government survey that can be remonumented in your county	<ul style="list-style-type: none"> Approximately 3,478 												
Number of PLSS corners capable of being remonumented in your county that have been remonumented	<ul style="list-style-type: none"> Approximately 3,287 												
Number of remonumented PLSS corners with survey grade coordinates <ul style="list-style-type: none"> SURVEY GRADE – coordinates collected under the direction of a Professional Land Surveyor, in a coordinate system allowed by 236.18(2), and obtained by means, methods and equipment capable of repeatable 2 centimeter or better precision SUB-METER – point precision of 1 meter or better APPROXIMATE – point precision within 5 meters or coordinates derived from public records or other relevant information 	<ul style="list-style-type: none"> 3010 												
Number of survey grade PLSS corners integrated into county digital parcel layer	<ul style="list-style-type: none"> 2513 												
Number of non-survey grade PLSS corner coordinates integrated into county digital parcel layer	<ul style="list-style-type: none"> 962 												
Tie sheets available online?	<ul style="list-style-type: none"> Yes https://www.dropbox.com/scl/fo/tda23gzyiec2dgttsyaza/AKD9r0GWatj_e94sKx0Jg6M?rlkey=eh4gzngp7oyu96fbn8fho4nx3&st=snje1wt3&dl=0 												
Percentage of remonumented PLSS corners that have tie sheets available online (whether or not they have corresponding coordinate values)	<ul style="list-style-type: none"> 100% 												
Percentage of remonumented PLSS corners that have tie sheets available online (whether or not they have corresponding coordinate values) and a corresponding URL path/hyperlink value in the PLSS geodatabase	<ul style="list-style-type: none"> 2230 or 64% 												
PLSS corners believed to be remonumented based on filed tie-sheets or surveys, but do not have coordinate values	<ul style="list-style-type: none"> 681 												
Approximate number of PLSS corners believed to be lost or obliterated	<ul style="list-style-type: none"> 191 												
Which system(s) for corner point identification/ numbering does the county employ?	<ul style="list-style-type: none"> Oconto County uses a number / letter grid system https://www.dropbox.com/scl/fo/tda23gzyiec2dgttsyaza/ABWJr6jjqg7R5Rhi38GpVe8/PLSS%20Corner%20Certificates?dl=0&preview=INSTRUCTIONS+2019.pdf&rlkey=eh4gzngp7oyu96fbn8fho4nx3&subfolder_nav_tracking=1 												
Does the county contain any non-PLSS areas (e.g., river frontage long lots, French land claims, private claims, farm lots, French long lots, etc.) or any special situations regarding PLSS data for tribal lands?	<ul style="list-style-type: none"> No 												
Total number of PLSS corners along each bordering county	<table> <tr><td>Brown</td><td>36</td></tr> <tr><td>Forest</td><td>24</td></tr> <tr><td>Langlade</td><td>41</td></tr> <tr><td>Shawano</td><td>69</td></tr> <tr><td>Marinette</td><td>144</td></tr> <tr><td>Menominee</td><td>58</td></tr> </table>	Brown	36	Forest	24	Langlade	41	Shawano	69	Marinette	144	Menominee	58
Brown	36												
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Number of PLSS corners remonumented along each county boundary	<table> <tr><td>Brown</td><td>36</td></tr> <tr><td>Forest</td><td>20</td></tr> </table>	Brown	36	Forest	20								
Brown	36												
Forest	20												

	<table> <tr><td>Langlade</td><td>34</td></tr> <tr><td>Shawano</td><td>69</td></tr> <tr><td>Marinette</td><td>144</td></tr> <tr><td>Menominee</td><td>56</td></tr> </table>	Langlade	34	Shawano	69	Marinette	144	Menominee	56				
Langlade	34												
Shawano	69												
Marinette	144												
Menominee	56												
Number and percent of remonumented PLSS corners along each county boundary with survey grade coordinates	<table> <tr><td>Brown</td><td>36</td></tr> <tr><td>Forest</td><td>11</td></tr> <tr><td>Langlade</td><td>21</td></tr> <tr><td>Shawano</td><td>69</td></tr> <tr><td>Marinette</td><td>114</td></tr> <tr><td>Menominee</td><td>38</td></tr> </table>	Brown	36	Forest	11	Langlade	21	Shawano	69	Marinette	114	Menominee	38
Brown	36												
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Custodian

- Oconto County Land Information Systems Dept.

Maintenance

- As needed and in accordance with Ordinance No. 287-1996 Public Land Survey System (PLSS) Remonumentation. Continued funding will be necessary to preserve these monuments

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.
- North American Terrestrial Reference Frame of 2022 (NATRF2022)
- 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.

In 1994, Oconto County completed geodetic densification from stations within the Wisconsin High Accuracy Reference Network (HARN). The network consists of 27 – 1, 2 and 4 PPM stations, which were established using the "Guidelines to Support Densification of the Wisconsin High Accuracy Reference Network (HARN) using Global Positioning System (GPS) Technology" standards specifications that were current at that time, the county continually adds 10ppm stations, from its existing network. We feel there will be adequate horizontal geodetic control strategically placed throughout the County to meet our and other users' needs. Coordinate values are available in Oconto County, State Plane and Latitude and Longitude. The County assumes the custodial responsibility for the densified control stations. We plan on using the existing NGS and USGS vertical network for vertical control. Any new stations set by the County would adhere to Third-order standards. The WISCORS (Wisconsin Continuously Operating Reference Stations) have proved to be a very useful tool and once the height modernization is completed will benefit Oconto County immensely.

Layer Status

- No County Layer as of this date, but information is available via the State Cartographers Office, Control Finder.

Custodian

- Oconto County Land Information Systems Dept.

- WDOT for WISCORS and Height Modernization

Maintenance

- As needed

Standards

- Guidelines to Support Densification of the Wisconsin High Accuracy Reference Network (HARN) using Global Positioning System (GPS) Technology

Parcel Mapping

Parcel Geometries

In the early 1970's, Oconto County began developing a countywide parcel map at a scale of 1" = 200' on 30"x36" sheets of mylar. These maps used a base map scaled from the USGS quad maps and were continually updated. In 1994, the county digitized these maps and (rubber sheeted) registered them to the WDNR 1:24K Landnet. By the late 1990's as complete township, surveys were completed and sections protracted by the County Surveyor, the parcels maps were again re-mapped using coordinate geometry.

Layer Status

- **Progress toward completion/maintenance phase:** Approximately 89% of the county is mapped using survey grade PLSS monumentation. The remaining one quarter is referenced to the WDNR Landnet
- **Projection and coordinate system:** Transverse Mercator and WISCRS (Wisconsin Coordinate Reference Systems) as published in 2009 by the State Cartographers Office, second edition
- **Integration of tax data with parcel polygons:** The county does have a parcel polygon model that directly integrates tax/assessment data as parcel attributes.
- **Esri Parcel Fabric/LGIM Data Model:** The currently uses the Esri Parcel Fabric Data Model,.
- **Online Parcel Viewer Software/App and Vendor name:**
 - **Custom Geocortex Essentials or Geocortex/Esri**

Name	Platform	Technology	Hosted by	Implemented By	Maintained By
SOLO	Non-ESRI	VertiGIS Geocortex	Self-Hosted	In-house and Ruekert-Mielke	In-house and Ruekert-Mielke

- **Unique URL path for each parcel record:** No

Custodian

- Oconto County Land Information Systems Dept.

Maintenance

- **Update Frequency/Cycle.** Parcel Mapping is continually being updated. On average the entire county gets updated bi-annually

Standards

- **Data Dictionary:** In human-readable form, with thorough definitions for each element/attribute name, and explanations of any county-specific notations, particularly for parcel attributes listed by s. 59.72(2)(a) will be a consideration as mapping proceeds and as funds and staffing are available

Parcels Without Land Value

Layer Status

- **As of the current date , how many parcels without a land value has the county recorded:**
 - **Date: 07 November 2024**
 - **Number of parcels without a land value: 0**
- **County geolocates/maps parcels for improvements only and without a land value by:**
 - By point within the legal description

Assessment/Tax Roll Data

Layer Status

- **Progress toward completion/maintenance phase:** NA
- **Tax Roll Software/App and Vendor name:** Property Assessment & Tax Billing Module – from contractor/vendor GCS Software
- **Municipal Notes:** NA

Custodian

- Oconto County Land Information Systems Dept.

Maintenance

- **Maintenance of the Searchable Format standard:** To maintain the Searchable Format standard, the county will continue to update parcel mapping and utilize 3rd party vendors when needed to ensure parcel data is created and maintained in the searchable format
- **Searchable Format Workflow:** The County maintains parcel/tax roll data in such a way that requires significant formatting every year by the county staff.

Standards

- Wisconsin Department of Revenue [Property Assessment Manual](#) and attendant DOR standards
- DOR XML format standard requested by DOR for assessment/tax roll data
- s. 59.72(2)(a), Wis. Stats. Presence of all nine "Act 20" attributes
- s. 59.72(2)(a), Wis. Stats. Crosswalk of attributes

Act 20 Attributes Required by s. 59.72(2)(a)	Field Name(s) in County Land Info System	Notes on Data or Exceptions to DOR Standard
Assessed value of land	LNDVALUE	
Assessed value of improvements	IMPVALUE	
Total assessed value	CNTASSDVALUE	
Class of property, as specified in s. 70.32 (2)(a)	PROPCLASS	
Estimated fair market value	ESTFMKVALUE	
Total property tax	GRSPRPTA	
Any zoning information maintained by the county	This information is stored in a separate data base	Zoning information is not required in DOR schema
Any property address information maintained by the county	PSTLADDRESS SITEADDRESS ADDNUMPREFIX ADDNUM ADDNUMSUFFIX PREFIX STREETNAME STREETTYPE SUFFIX LANDMARKNAME UNITTYPE UNITID	
Any acreage information maintained by the county	DEEDACRES ASSDACRES GISACRES	Acreage based on the legal description Acreage based on the assessment data Acreage based on GIS data

Non-Assessment/Tax Information Tied to Parcels

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

Layer Status

- Permits (*Land Use, Conditional Use, Sanitary, Shoreland, Floodplain, Non-Metallic, etc.*)
- Farmland Preservation
- Active Non-Metallic Mining Sites
- Structure Points
- Building Footprints
- LOMA/LOMR Locations

Custodian

- Oconto County Planning and Zoning Dept.

Maintenance

- Permits are continuously maintained with other data sets being updated annually

Standards

- Mapped using best available parcel mapping and orthophotography

ROD Real Estate Document Indexing and Imaging

Layer Status

- **Grantor/Grantee Index:** The index from 1980 to present is in digital format; prior to 1980 the index is handwritten, in bound books. Currently we are back indexing documents recorded from 1838 to 1980 to add recording information, document type, instrument date, page count, loan amount where applicable, grantor/grantee name, and legal description to documents that have been imported into the current LandShark/LandLink indexing program.
- **Tract Index:** The tract index follows the same course as the Grantor/Grantee Index. From 1980 to the present, this index is part of the same digital index as Grantor/Grantee. Prior to 1980, the index is kept in large bound books, separated into quarter/quarters or Government Lots and Section/Township/Range or by lots and blocks in plats/subdivisions. The current system is tractable by Certified Survey Map as well. It is not PIN based or PLSS based. All documents containing a legal description are posted to the tract index system. The paper index has been scanned by an outside source, and computerized access options are being pursued.
- **Imaging:** Documents have been scanned back to 1838, and all images are available for retrieval in our computerized systems, LandLink and LandShark. Documents from 1980 to the present are fully indexed, however, those from 1838 to 1980 are only accessible by document number and volume/page. It is the intention of the office to continue back indexing the documents recorded prior to 1980. This will be an ongoing project, with the end result being ease in locating the recorded documents by more than just document number/volume & page. As current images are imported into the indexing system, users are able to access them immediately, freeing up office staff to work on the indexing of those older documents.
- **ROD Software/App and Vendor Name: Landshark** – TriMin Systems is the software vendor that provides the online program LandShark, which allows users to access recorded documents from their home or office. Standard copy fees of \$2 for the first page and \$1 for each additional page, per document apply, as well as a convenience fee of \$5 per session...a session is considered a purchase up to \$50. A monthly subscription is available at a cost of \$475 for up to 2000 images, and an additional \$100 for every 1000 images over the cap.

Custodian

- Oconto County Register of Deeds

Maintenance

- As Needed

Standards

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

LiDAR and Other Elevation Data

LiDAR

Layer Status

- **Most recent acquisition year:** 2019
- **Accuracy:** RMSEz (non-vegetated) \leq 10 cm (Point Cloud and DEM)

- **Nominal Point Spacing:** .7 meters
- **Next planned acquisition year:** No planned acquisition unless grant or other funding becomes available.

Custodian

- Oconto County Land Information Systems Dept.

Maintenance

- The present LiDAR will be maintained as is until new data is obtained. Any new LiDAR data will be maintained as an independent data set

Standards

- LiDAR data and derivative products to conform to specifications defined in the USGS "National Geospatial Program LiDAR Base Specification Version 1.3". LiDAR data meets the USGS definition of Quality Level 2 (QL2)

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

- Classified Point Cloud, LAS v1.4 format
- Hydro flattening breaklines, ESRI shapefile, polylineZ format
- Bare Earth DEM, .flt format
- 1-foot contours, .shp format
- Intensity Imagery, GeoTIFF format
- Bare earth point dataset, .txt or .las format
- Culvert lines, geodatabase format
- Hydro-Enforced DEM, flt format

Custodian

- Oconto County Land Information Systems Dept.

Maintenance

- This data set will remain as is. When new data is obtained the data sets will still remain independent

Standards

- LiDAR data and derivative products to conform to specifications defined in the USGS "National Geospatial Program LiDAR Base Specification Version 1.3". LiDAR data meets the USGS definition of Quality Level 2 (QL2)

Other Types of Elevation Data

Layer Status

- NA

Custodian

- NA

Maintenance

- NA

Standards

- NA

Orthoimagery

Orthoimagery

Layer Status

- **Most recent acquisition year:** 2022

- **Resolution:** 6" Color IR
- **Contractor's standard:** targeted for ASPRS Class II Specifications
- **Next planned acquisition year:** 2025

Custodian

- Oconto County Land Information Systems Dept.

Maintenance

- Update every 3-5 years as funding allows.

Standards

- American Society for Photogrammetry and Remote Sensing Accuracy Standards (ASPRS) Class II at 1" = 100' map scale.

Historic Orthoimagery

Layer Status

- 1938 (hard copy imagery of the county forest)
- 1973 (hard copy imagery of the county forest)
- 1988 (hard copy imagery of the county forest)
- 1998 county wide (3m b/w) NAPP Digital Orthophotography
- 2004 county wide (12" b/w) ASPRS standard for Class III horizontal map accuracy
- 2004 city of Oconto (6" b/w) ASPRS standard for Class III horizontal map accuracy
- 2010 county wide (12" color) National Map Accuracy Standards for 1"=200' scale mapping
- 2014 county wide (6" color Ir) targeted for ASPRS Class I Specifications
- 2018 county wide (6" color Ir) targeted for ASPRS Class II Specifications
- 2022 county wide (6" color Ir) targeted for ASPRS Class II Specifications

Custodian

- For the 1938 – 1988 - Oconto County Forestry and Parks Dept.
- For all other imagery - Oconto County Land Information Systems Dept.

Maintenance

- This data remains as delivered

Standards

- Varies

Other Types of Imagery

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

Layer Status

- Oconto County obtained four-band color IR in the 2014, 2018 and 2022 ortho acquisition

Custodian

- Oconto County Land Information Systems Dept.

Maintenance

- This data remains as delivered

Standards

- ASPRS Class I Specifications

Address Points and Street Centerlines

Address Point Data

Layer Status

- County wide

Custodian

- Oconto County Land Information Systems Dept.

Maintenance

- Physical address applications will be used annually to assign new points. New data points placed after most recent orthophotography will be reviewed after new orthophotography is obtained.

Standards

- No Recognized Standard. Data was developed using most recent orthophotography to place points on the centerline of the driveway at the right-of-way. Currently converting this into the Wisconsin GIS NG9-1-1 Data Standard.

Building Footprints

Layer Status

- Oconto County acquired county wide footprint data with the 2019 LiDAR acquisition

Custodian

- Oconto County Land Information Systems Dept.
- Oconto County Planning and Zoning Dept.

Maintenance

- This data will remain as delivered
- Any additional building footprint data will be maintained in a new data set that maintains same fields

Standards

- Compiled from 2019 LiDAR acquisition
- County wide 10' x 10' structures or larger
- Map scale 1" = 100'
- Additional verification from 2018 orthophotography
- Survey data obtained
- Post initial delivery building footprint data will be created using most recent orthophotography and survey data when available

Other Types of Address Information

e.g., Address Ranges

Layer Status

- Oconto County has developed street centerline address ranges for the E911 software Spillman, these are continually reviewed and updated as roads are created and expanded. The county is currently converting this into the Wisconsin GIS NG9-1-1 Data Standard.

Custodian

- Oconto County Land Information Systems Dept.

Maintenance

- As needed. Ranges are expanded and apportioned as development occurs, in addition there is occasional requests from Entrodo for verification and confirmation

Standards

- Wisconsin GIS NG9-1-1 Data Standard. (*Data was developed using most recent orthophotography*)

Street Centerlines

Layer Status

- County wide at various levels of accuracy

Custodian

- Oconto County Land Information Systems Dept.

Maintenance

- Continually updating new roads, public and private. Land Information Systems policy allows for centerlines to vary within 3 feet where discrepancies occur

Standards

- Centerline attributes identify the type of road; local, county, state, federal and private. Wisconsin GIS NG9-1-1 Data Standard

Rights of Way

Layer Status

- County wide as standalone layer

Custodian

- Oconto County Land Information Systems Dept.

Maintenance

- As needed

Standards

- Using surveys, right of way plats and legal descriptions

Trails

e.g., Recreational Trails

Layer Status

- County wide at various levels of accuracy

Custodian

- Oconto County Forestry and Parks Dept.
- Oconto County Land Information Systems Dept.
- Oconto County Planning and Zoning Dept.

Maintenance

- As needed

Standards

- Trail information is obtained using mapping grade GPS or using most recent orthophotography

Land Use

Current Land Use

Layer Status

- County wide (2006) – Partial update in 2017

Custodian

- Planning and Zoning a Division of Land & Water Resources

Maintenance

- Maintain as delivered and update as part of Comprehensive Plan updates

Standards

- Created from a windshield survey and using most recent orthophotography

Future Land Use

Layer Status

- County wide

Custodian

- Oconto County Planning and Zoning Dept.

Maintenance

- Maintain as delivered or as planning amendments are made

Standards

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

Zoning

County General Zoning

Layer Status

- The County does maintain a GIS representation of county general zoning boundaries in all 23 towns

Custodian

- Oconto County Land Information Systems Dept.
- Oconto County Planning and Zoning Dept.

Maintenance

- As needed

Standards

- Created based on parcel boundaries

Shoreland Zoning

Layer Status

- Administered by county but not in GIS format.

Custodian

- NA

Maintenance

- NA

Standards

- NA

Farmland Preservation Zoning

Layer Status

- Not administered by county.

Custodian

- NA

Maintenance

- NA

Standards

- NA

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

Custodian

- Oconto County Land Information Dept.
- Oconto County Planning and Zoning a Division of Land & Water Resources

Maintenance

- As needed

Standards

- FEMA mapping standards

Airport Protection

Layer Status

- The County does maintain a GIS representation of airport protection zoning boundaries
- **Airport protection zoning map depicts:** Height limitation restrictions

Custodian

- Oconto County Land Information Systems Dept.
- Oconto County Planning and Zoning Dept.

Maintenance

- As needed

Standards

- Created based on a buffer from the center point of the 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

- City of Oconto (General Zoning)
- Village of Lena (General Zoning)
- Village of Suring (General Zoning)

Custodian

- City of Oconto
- Village of Lena
- Village of Suring
- Oconto County Land Information Systems Dept.

Maintenance

- As needed

Standards

- Created based on parcel boundaries

Administrative Boundaries

Civil Division Boundaries

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

Layer Status

- County wide (23 townships, 3 cities, and 3 villages)

Custodian

- Oconto County Land Information Systems Dept.

Maintenance

- As Needed

Standards

- Created based on parcel boundaries

School Districts

Layer Status

- County wide
- Parcel data has attribute field with school district code

Custodian

- Oconto County Land Information Systems Dept.

Maintenance

- As needed

Standards

- DOR classification codes

Election Boundaries

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

Layer Status

- County wide

Custodian

- Oconto County Land Information Systems Dept.

Maintenance

- As needed (required every 10 years after census completed)

Standards

- DOR classification codes

Utility Districts

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

Layer Status

- County wide (sanitary sewer)

Custodian

- Oconto County Land Information Systems Dept.

Maintenance

- As needed

Standards

- DOR classification codes

Emergency Service Boundary – Law/Fire/EMS

Layer Status

- Law Enforcement: County wide
- Fire: County wide
- EMS: County wide

Custodian

- Oconto County Land Information Systems Dept.

Maintenance

- As needed (working with service providers and municipalities)

Standards

- Working toward Wisconsin GIS NG9-1-1 Data Standard (Emergency Service Boundary)
- Agreed boundaries (*town, parcel, road etc.*)

Public Safety Answering Points (PSAP) Boundary

Layer Status

- PSAP Boundary: County wide / same as county boundary except for the Village of Pulaski which uses Brown County for their PSAP

Custodian

- Oconto County Land Information Systems Dept.

Maintenance

- As needed (working with service providers and municipalities)

Standards

- Working toward Wisconsin GIS NG9-1-1 Data Standard (Emergency Service Boundary)
- Agreed boundaries (*town, parcel, road etc.*)

Provisioning Boundary

Layer Status

- County wide

Custodian

- Oconto County Land Information Systems Dept.

Maintenance

- As needed (working with service providers and municipalities)

Standards

- Working toward Wisconsin GIS NG9-1-1 Data Standard (Emergency Service Boundary)
- Agreed boundaries (*town, parcel, road etc.*)

Other Public Safety

e.g., Healthcare Facilities

Layer Status

- NA

Custodian

- NA

Maintenance

- NA

Standards

- NA

Lake Districts

Layer Status

- County wide

Custodian

- Oconto County Land Conservation Dept.
- Oconto County Land Information Systems Dept.

Maintenance

- As needed

Standards

- DOR classification codes

Native American Lands

Layer Status

- NA

Custodian

- NA

Maintenance

- NA

Standards

- NA

Other Administrative Districts

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

Layer Status

- County wide (county forest)

Custodian

- Oconto County Forestry and Parks Dept.
- Oconto County Land Information Systems

Maintenance

- As needed

Standards

- Mapped based on parcel ownership

Other Layers

Hydrography Maintained by County or Value-Added

e.g., Hydrography maintained separately from DNR or value-added, such as adjusted to orthos

Layer Status

- County wide (lakes, rivers, streams)

Custodian

- Oconto County Land Information Systems Dept.

Maintenance

- As needed

Standards

- Using parcel mapping. LiDAR and the most recent orthophotography
- USGS Elevation-Derived Hydrography Specifications

Cell Phone Towers

Layer Status

- County wide

Custodian

- Oconto County Land Information Systems Department

Maintenance

- Annually or as needed

Standards

- Using Parcel mapping and most recent orthophotography

Bridges and Culverts

Layer Status

- County wide (culverts)

Custodian

- Oconto County Highway Department

Maintenance

- As needed

Standards

- Derived from 2019 LiDAR

Other

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

Layer Status

- County wide (non-metallic mining sites, sanitary lagoons, signs)

Custodian

- Oconto County Planning and Zoning Dept.
- Oconto County Highway Dept.
- Oconto County Land Conservation Dept.
- Oconto County Forestry Dept.
- Oconto County Land Information Services Dept.

Maintenance

- As needed

Standards

- Using parcel data and most recent ortho photography

3 LAND INFORMATION SYSTEM

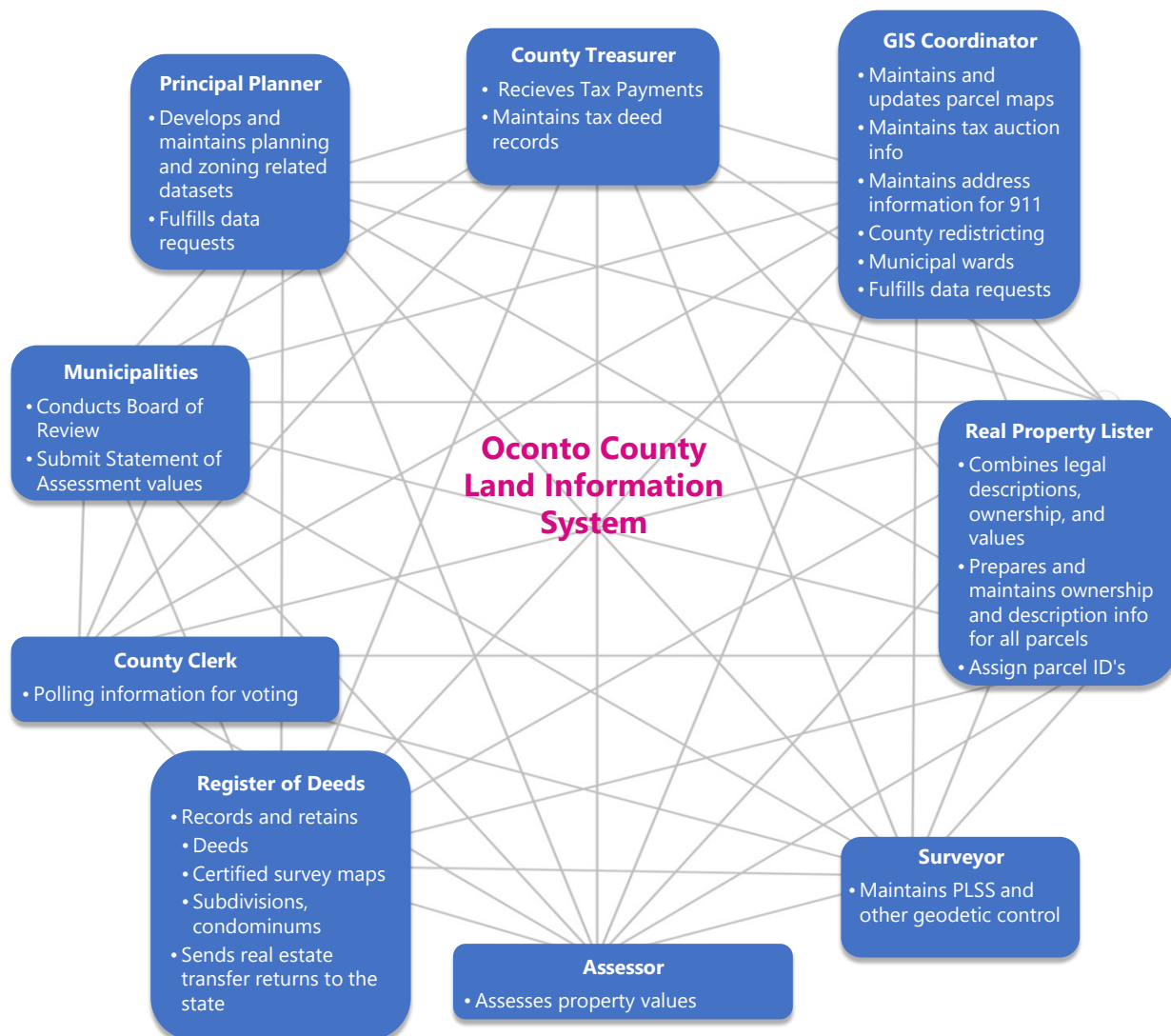
The WLIP seeks to enable land information systems that are both modernized and integrated. Integration entails the coordination of land records to ensure that land information can be shared, distributed, and used within and between government at all levels, the private sector, and citizens.

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

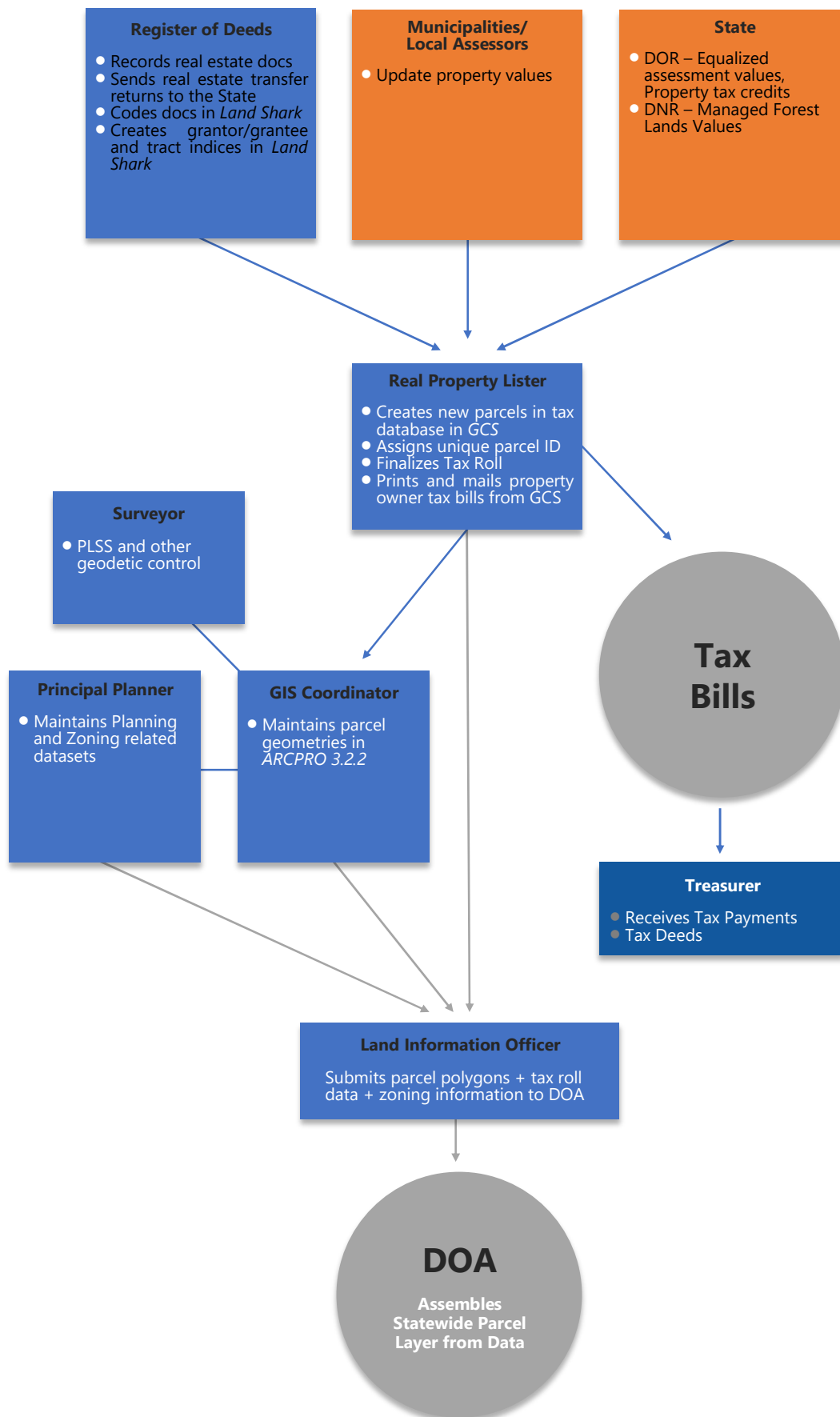
- The design, development, and implementation of a land information system that contains and integrates, at a minimum, property and ownership records with boundary information, including a parcel identifier referenced to the U.S. public land survey; tax and assessment information; soil surveys, if available;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

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

Current Land Information System



County Parcel Data Workflow Diagram



Technology Architecture and Database Design

Oconto County's land information system utilizes a number of programs and software applications to process, track, and access records. Oconto County's land information system runs on the county network and is supported by the Oconto County Technology Services (TS) Department.

Hardware

- ArcGIS Server: VMware Windows Server 2019, 4CPU(s), 32 GB Memory, 600GB Hard Drive on HP ProLiant DL380 Gen10 Host
- Web Adapter server: VMware Windows Server 2012 R2, 2CPU(s), 16GB Memory, 200GB Hard Drive on HP ProLiant DL380 Gen10 Host

Software

- ArcGIS Server: Windows Server 2012R2, ArcGIS software. Web Site was developed by Reukert Mielke. Spillman mobile & geobase also runs on server
- Web Adapter server: Windows Server 2012R2, ArcGIS web adapter
- County currently uses ArcGIS Pro: Yes
- County plans to upgrade to ArcGIS Pro: N/A
- Yes, by estimated date: N/A

Website Development/Hosting

- ArcGIS Server: Server website was developed by Reukert Mielke. Server is hosted on Oconto County LAN.
- Web Adapter Server: Server gateway name is OCVMSOLOWA. Server is hosted on Oconto County DMZ network

Metadata and Data Dictionary Practices

Metadata Creation

- **Metadata creation and maintenance process:** Oconto County has metadata on a limited number of datasets. A policy on consistent metadata creation and maintenance does not exist at this time.

Metadata Software

- **Metadata software:** When metadata is created ArcCatalog/ArcPRO is utilized.
 - 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:** NA

Metadata Policy

- **Metadata Policy:** Oconto County has not identified metadata tools or a policy for maintaining a minimum metadata requirement.

Municipal Data Integration Process

- Currently no municipalities within Oconto County are creating data that is being integrated into the county land information system.

Public Access and Website Information

Public Access and Website Information (URLs)

Public Access and Website Information			
GIS Webmapping Application(s) Link - URL	GIS Download Link - URL	Real Property Lister Link - URL	Register of Deeds Link - URL
https://oc17maps.co.oconto.wi.us/Html5Viewer/index.html?viewer=SOLO	No download site available at this time. Data requests can be made to the Land Information Office	https://www.co.oconto.wi.us/342/Property-Listing	https://www.co.oconto.wi.us/375/Register-of-Deeds
Land Records/ Land Information Office Link - URL	Treasurers Link - URL		
https://www.co.oconto.wi.us/335/Land-Information	https://www.co.oconto.wi.us/412/Treasurer		

County Webpage with Link to Statewide Parcel Map (www.sco.wisc.edu/parcels/data)	
URL	
https://www.co.oconto.wi.us/336/Land-Records-GIS	

Data Sharing

Data Availability to Public

Data Sharing Policy

- Oconto County Land Information Office has a fee schedule for making copies of GIS data and other custom services.

Open Records Compliance

- Oconto follows all open records requirements for data sharing.

Data Sharing Restrictions and Government-to-Government Data Sharing

Data Sharing Restrictions

- Oconto County does not restrict data sharing with anyone requesting county held data. The county does forbid recipients of county data to redistribute the data.

Government-to-Government Data Sharing

- Oconto County has a standing policy of sharing data with other government entities and some non-profits at no charge. Parties receiving this data are required to implement a data sharing agreement that puts some restrictions on the redistribution of data provided under fee waivers.

Training and Education

- The Oconto County Land Information Division has and will continue to provide funding as available for county staff to attend the WLIA annual conference, EWUG meetings, and other necessary and applicable trainings.

4 CURRENT & FUTURE PROJECTS

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

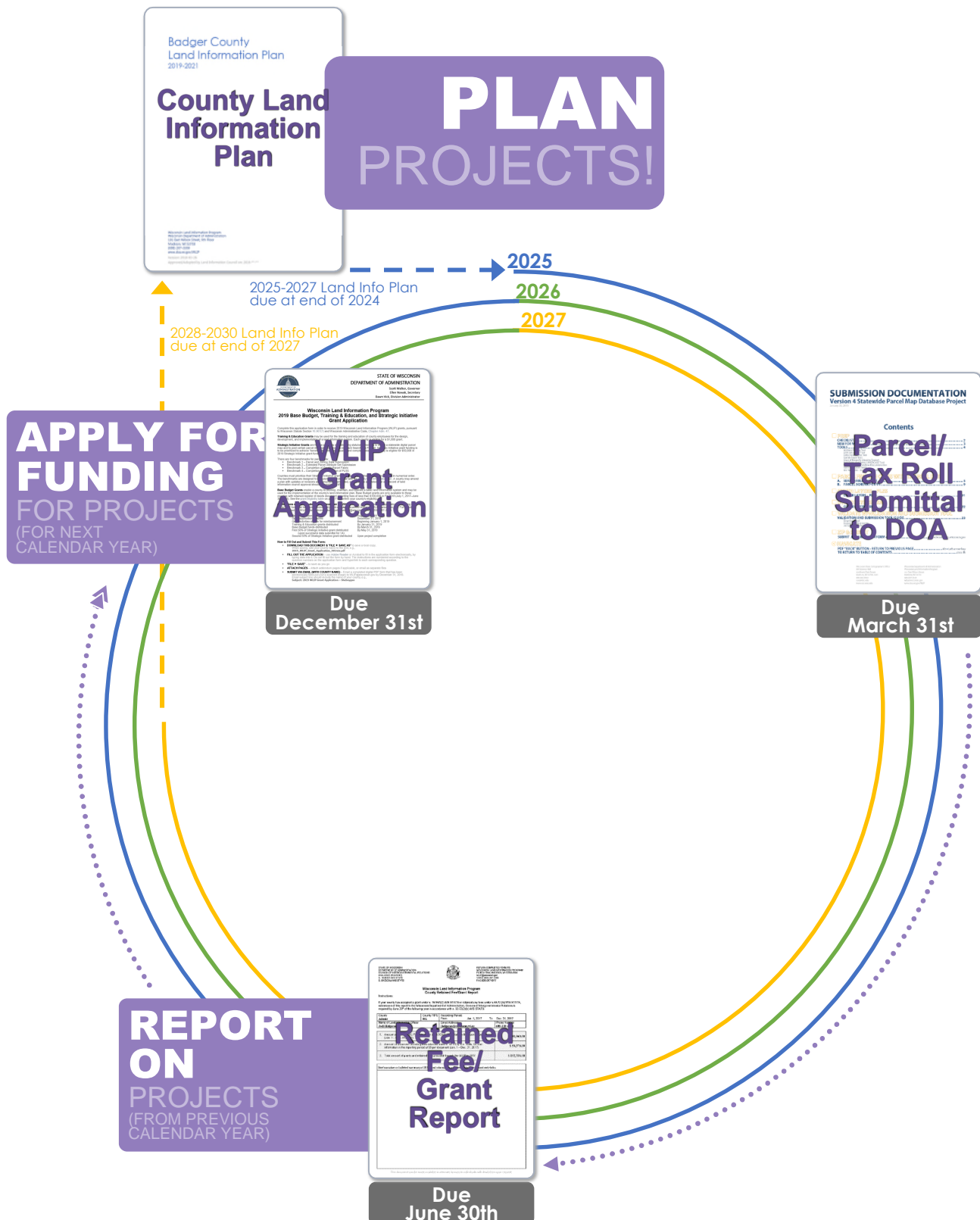


Figure 1. The WLIP Land Information Plan/Grant Project Cycle

Project Plan to Maintain Searchable Format (Benchmarks 1 & 2)

Project Title: Project Plan to Maintain Searchable Format (Benchmarks 1 & 2)

Project Description

How Searchable Format Will Be Maintained

- Oconto County will strive to maintain data in the searchable format as outlined in Benchmark 1 and 2

Business Drivers

- Oconto County Land Information staff will be coordinating with GCS to ensure parcel record attributes align with the required state format.

Objectives/Measure of Success

- The objective is to continue to meet the Searchable Format for Benchmarks 1 & 2 (Parcel and Zoning Data Submission, Extended Parcel Attribute Set Submission).

Project Timeframes

- Ongoing to ensure data remains consistent with the state required format

Responsible Parties

- Oconto County Land Information Systems Dept. staff will be maintaining the data in the searchable format

Estimated Budget Information

- This will involve multiple county staff devoting time to the project in addition to any costs to have GCS update current programs.

Project Plan for Parcel Completion (Benchmark 3)

Project Title: Project Plan for Parcel Completion (Benchmark 3)

Project Description

Current status of parcel data

- **Current status of parcel data in the county:** Oconto County currently has all parcels mapped and maintains on a quarterly basis. Of the twenty-three townships in Oconto County, parcel data has been updated in twenty of twenty-three towns using survey grade PLSS monumentation. Parcel data in the three cities and three villages within Oconto County have been mapped using survey grade PLSS monumentation
- **Tally of the total number of parcels in digital format:** Approximately 41,500
- **Estimated number of parcels yet to be digitized:** NA

Planned approach

- The county will continue to focus on remonumentation in an effort to complete the parcel mapping updates

Business Drivers

- The county will work toward updating remaining townships using survey grade PLSS monumentation. The users of county GIS applications rely on accurate parcel mapping

Objectives/Measure of Success

- The complete update to parcel mapping accuracy in the remaining three of twenty-three towns using survey grade PLSS monumentation

Project Timeframes

- Oconto County will maintain parcel data set and update remaining township (*3 of 23*) parcel data using survey grade PLSS monumentation over the next five years

Responsible Parties

- Oconto County Land Information Systems Dept. staff.

Estimated Budget Information

- This work will involve various staff and consultants when/where necessary

Project Plan for PLSS (Benchmark 4)

Project Title: Project Plan for PLSS (Benchmark 4)

Project Description

Current Status

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

Planned Approach

- Oconto County 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.

Missing Corner Notes

- **Documentation for any missing corner data:** Oconto County will document any missing corner data. Many of the missing corners in Oconto County are located within public lands; these will be lower on the priority list for remonumentation. *(Often these will be justifiable exclusions, such as meander corners, corners on public forest land, etc.)*

County Boundary Collaboration

- Oconto County will continue to collaborate with and share section corner information with neighboring counties. *(Brown, Forest, Langlade, Shawano, Marinette, and Menominee Counties).*

Business Drivers

- Completion and integration of PLSS will improve the geospatial accuracy of the parcel layer and other county land information system layers.

Objectives/Measure of Success

- The objective is to meet Benchmark 4 (Completion and Integration of PLSS) by 2029
- Number of corners to be remonumented and/or rediscovered by 2027: 18
- Number to have new coordinates established by 2027: 18
- Accuracy class for these new coordinates by 2027: Survey Grade
- Number of new corner coordinates to be integrated into parcel fabric by 2027: 18
- Number of new tie sheets to be posted online by 2027: 18

Project Timeframes

- The timeline is for completion of the primary PLSS corners necessary to fulfill the needs of Benchmark 4 by 2029. Additionally, Oconto County has numerous secondary PLSS corners that are in non-essential areas (located in national, state, county forests and other areas with minimal development). Oconto county will work to acquire survey grade coordinates on these secondary PLSS corners as budgets and/or staff time permits. At the current rate of 10-20 corners per year it will take a minimum of 13 years to complete the secondary PLSS corners.

Responsible Parties

- Oconto County Land Information Systems Dept. staff will coordinate inventorying PLSS data, contracting work, and incorporating survey control

Estimated Budget Information

- This work will involve various staff and at times and as budgets permit some contracted services see table at the end of this chapter.
- Estimated remaining cost for completion and integration of PLSS (to reach maintenance mode)

- Estimated approximate average cost of remonumentation per corner: \$1000-2000
- Total Cost of remaining remonumentation: \$260,000
- Total cost of remaining integration of PLSS points into parcel layer: Variable: Staff time as corners come in
- Cost of anything else remaining: Variable: Staff time as corners come in
- Total remaining cost: \$600,000
- The costs to complete and integrate PLSS does extend beyond the planning period of 2025-2027.

Project #1: PLSS Remonumentation and Section Protractions

Project Description

- Of the approximately 3,478 PLSS corners in Oconto County, approximately 3,010 have been remonumented with survey grade coordinates. Of these approximately 140 are located along the county boundary. Oconto County will work toward remonumenting the remaining PLSS corners. This will allow for updating of parcel mapping and a more accurate product.
- **Land Info Spending Category:** PLSS (also affects Parcel Mapping, and Other Layers)

Business Drivers

- This project will allow for continued parcel mapping updates and therefore more accurate data for GIS users.

Objectives/Measure of Success

- The Land Information Division will work toward continued remonumentation until all PLSS corners are survey grade. Remonumentation of county boundary corners and current areas of parcel mapping updates will be the priority.

Project Timeframes

- Oconto County will work toward remonumenting a minimum of 10 PLSS corners per year.

Responsible Parties

- Oconto County Land Information Systems Dept. Primary staff for this project will be the Oconto County Professional Land Surveyor and/or a contracted Professional Land Surveyor.

Estimated Budget Information

- \$20,000 / year until complete (\$60,000 for the three years of this plan)

Project #2: Parcel Mapping Updates

Project Description

- To continue updating parcel mapping using survey grade PLSS monumentation. Currently Oconto County has approximately three of twenty-three towns that have yet to be updated using survey grade PLSS monumentation.
- **Land Info Spending Category:** Digital Parcel Mapping

Business Drivers

- Updated parcel mapping will provide more accurate information for all GIS users

Objectives/Measure of Success

- All parcel mapping completed using survey grade PLSS monumentation

Project Timeframes

- Oconto County plan to update one town per year until all three remaining towns have updated parcel data

Responsible Parties

- Oconto County Land Information Systems Dept.

Estimated Budget Information

- \$180,000 (60,000 per year for 3 years)

Project #3: Create and/or Enhance GIS Applications

Project Description

- Continue to update and enhance the public GIS viewer in addition to developing other applications to address specific GIS user needs
- **Land Info Spending Category:** Website Development / Hosting Service

Business Drivers

- Growing use of web based GIS applications

Objectives/Measure of Success

- Oconto County will continue to strive to have GIS applications available that meet the needs of the GIS users

Project Timeframes

- Ongoing and as needs arise

Responsible Parties

- Oconto County Land Information Systems and the Planning and Zoning Depts.

Estimated Budget Information

- \$5,000 annually

Project #4: Development and Updating of Datasets

Project Description

- As parcel mapping updates continue and as the accuracy improves it will be imperative that Oconto County update existing datasets using the improved accuracy as well as create new datasets that address GIS user needs
- **Land Info Spending Category:** Other (additional parcel related data sets)

Business Drivers

- Growing use of web based GIS applications

Objectives/Measure of Success

- Oconto County will continue to strive to have GIS applications available that meet the needs of the users

Project Timeframes

- Ongoing and as needs arise

Responsible Parties

- Oconto County Land Information Systems and the Planning and Zoning Depts.

Estimated Budget Information

- \$5,000 annually

Project #5: Support and Updates to E911 Mapping

Project Description

- Continue to update and enhance the E911 system
- Work towards Wisconsin GIS NG9-1-1 data standard for road centerlines and address points
- **Land Info Spending Category:** Other (E911 mapping)

Business Drivers

- Wisconsin GIS NG9-1-1 Data Standard
- Continued need for accurate E911 data and applications

Objectives/Measure of Success

- Oconto County will continue to strive to have GIS applications available that meet the needs of the users

Project Timeframes

- Ongoing and as needs arise

Responsible Parties

- Oconto County Land Information Systems Dept.

Estimated Budget Information

- \$10,000 annually

Project #6: Orthoimagery Acquisition

Project Description

- Continue to plan and budget for new orthoimagery acquisition on a 3 to 5 year cycle
- **Land Info Spending Category:** Orthoimagery

Business Drivers

- Updated Orthoimagery for the development of GIS datasets in addition to the use by numerous county department and other users

Objectives/Measure of Success

- Oconto County will budget annually in order to continue with the acquisition cycle

Project Timeframes

- On a three to five year cycle (last acquisition was May 2022)

Responsible Parties

- Oconto County Land Information Systems Dept.

Estimated Budget Information

- \$80,000

Project #7: Scanning and Indexing of ROW plats

Project Description

- Scan and index Right of Way Plats
- **Land Info Spending Category:** Address Points and Street Centerlines

Business Drivers

- A large volume of requests for ROW information...(Example...Placement of fiber communication lines)
- Right of Way information is critical to many applications. Currently the majority of our ROW plats are not scanned and or indexed. Making this information available digitally would aid both government and private users of the ROW.

Objectives/Measure of Success

- New cloud based software is installed and meeting functional demands.

Project Timeframes

- 2025/2026

Responsible Parties

- Oconto County Land Information Systems and Oconto County Highway Departments.

Estimated Budget Information

- \$10,000 annually

Project #8: Assessment/Tax Roll/Zoning Software Update

Project Description

- Update or install new cloud based Assessment/Tax Roll/Zoning Software
- **Land Info Spending Category:** Parcel Mapping/Zoning

Business Drivers

- Our current software vendor (GCS/Catalis) is updating their software to a cloud based solution. We need to update with our current vendor or switch to another vendor.

Objectives/Measure of Success

- Selection of Vendor and completion of upgrade

Project Timeframes

- 2025/2026

Responsible Parties

- Oconto County Land Information Systems, County Treasurers and Planning and Zoning Departments.

Estimated Budget Information

- \$180,000

Estimated Budget Information (All Projects) for Planning Period 2025-2027

Estimated Budget Information				
Project Title	Item	Unit Cost/Cost	Land Info Plan Citations Page # or section ref.	Project Total
1) PLSS Remonumentation and Section Protractions	County and/or Contracted Professional Surveyor	\$20,000 / yr	Page 33	\$60,000
2) Parcel Mapping Updates	GIS Coordinator Position	\$60,000 / yr	Page 34	\$180,000
3) Create and/or enhance GIS Applications	GIS Staff / Vendor	\$5,000 / yr	Page 35	\$15,000
4) Development and Updating of Datasets	GIS Staff	\$5,000 / yr	Page 36	\$15,000
5) Support and Updates to E911 Mapping	GIS Staff / Vendor	\$10,000 / yr	Page 37	\$30,000
6) Orthoimagery Acquisition	Orthoimagery	\$80,000	Page 38	\$80,000
7) Scanning and indexing of ROW plats	County Staff / Vendor	\$10,000 / yr	Page 39	\$30,000
8) Assessment/Tax Roll/Zoning Software update	County Staff / Vendor	\$180,000	Page 40	\$180,000
GRAND TOTAL				\$590,000

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