

**ROCK COUNTY**  
**LAND INFORMATION COUNCIL**  
**MONDAY APRIL 26, 2021 - 2:00 P.M.**  
**CALL: 1-312-626-6799**  
**MEETING ID: 896 4085 0181**

Topic: Land Information Council  
Time: April 26, 2021 02:00PM Central Time (US and Canada)

Join Zoom Meeting  
<https://us02web.zoom.us/j/89640850181?pwd=L2E4SFpjMlk5OWhRNVZvaFgyWl05Zz09>

Meeting ID: 896 4085 0181

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- +1 669 900 6833 US (San Jose)

If you are interested in providing public comments on items on this agenda, you must submit your comments by 5pm on Friday, April 23, 2021. To submit a public comment use the following email: [realproperty@co.rock.wi.us](mailto:realproperty@co.rock.wi.us)

**Join from a telephone:**

- On your phone, dial the phone number provided above
- Enter the meeting ID number when prompted, using your dial-pad.
- Please note that long-distance charges may apply. This is not a toll-free number.
- Please identify yourself by name
- **Please mute your phone when you are not speaking to minimize background noises**
- We are new at holding meetings this way, so please be patient

## AGENDA

1. Call to order.
2. Approval of Agenda.
3. Approval of Minutes of September 28, 2020
4. Communications and Announcements
5. **Information Item:** Update on Wisconsin Land Information Program
  - i. Strategic Initiative Grant Update
  - ii. Statewide Parcel Map Update
  - iii. 2020 WLIP Retained Fee/Grant Annual Report
  - iv. Land Information Plan Update 2022 - 2024
6. **Information Item:** Ongoing Land Records Projects Update
  - i. 2020 Imagery & LiDAR Project
  - ii. GIS Server Upgrade
  - iii. COVID-19 Response/ESRI Disaster Response Program
  - iv. Parcel Fabric Implementation
7. Future Agenda Items.
8. Next Meeting Date.
9. Adjournment

Instructions for the hearing impaired –

<https://support.zoom.us/hc/en-us/articles/207279736-Getting-started-with-closed-captioning>

**ROCK COUNTY**  
**LAND INFORMATION COUNCIL**  
**MONDAY SEPTEMBER 28, 2020 - 2:00 P.M.**  
**Virtual Meeting ID 974 5663 5161**

1. **Call to order.** Chair Schultz called the teleconferenced meeting to order at 2:12 p.m.

Committee Members Present: Property Lister Chair Michelle Schultz, Register of Deeds Vice Chair Sandy Disrud, County Treasurer Michelle Roettger, Communications Center GEO Applications Specialist Kris Pehl, Senior Planner and GIS Manager Jennifer Borlick, County Surveyor Brad Heuer, Real Estate Agent Deb Dewitt

Committee Members Absent: Supervisor Mawhinney

Staff present: Director of Planning & Development Andrew Baker

2. **Approval of Agenda:** Moved by Ms. Borlick, 2<sup>nd</sup> by Ms. Pehl. Approved.
3. **Approval of Minutes** of April 27, 2020: Moved by Ms. Borlick, 2<sup>nd</sup> by Ms. Dewitt. Minutes were approved.

**4. Communications and Announcements**

Chair Schultz said she filled the cartographer position in her office. She is in the process of filling the Real Estate Specialist position. Planning Director Colin Byrnes recently retired as well as Tom Sweeney of Land Conservation. Andrew Baker is currently serving in both roles.

**5. Information Item:** Update on Wisconsin Land Information Program

i. Strategic Initiative Grant Update by Chair Schultz:

2018 Grant was closed out and final payment was received

2019 Grant for 1<sup>st</sup> payment was received and applied to Lidar/elevation project

2020 Grant for 1<sup>st</sup> payment was received and applied to Lidar/elevation project

ii. Statewide Parcel Map Update by Chair Schultz:

The data was submitted to the Wisconsin DOR before the March 31 due date. We recently received our observation report. There was a comment regarding the address field and comment on shore land zoning. The Version 6 Statewide Parcel Map is available to view.

2020 2019 WLIP Retained Fee/Grant Annual Report

Report is due June 30. All expenses must be listed that are funded by retained fees. Computers billed out by IT for land records staff in various departments.

**6. Action Item:** Submission of 2021 WLIP Grant Application

Motion by Ms. Dewitt, 2<sup>nd</sup> by Ms. Borlick to discuss the attached Grant Application.

Training and Education Grant for \$1,000. Strategic Initiative Grant is for 50,000. This is an increase over the previous year's grant by 10,000 due to increased document

recordings. The County Surveyor will be using the funds to continue completion of remonumentation of 60 Section corners and updating modern tie sheets. This is our 4th and final Benchmark to complete. Once completed, then the grants may be applied to other projects in our plan.

Ms. Borlick moved and Ms. Dewitt 2nd to submit the 2021 WLIP Grant Application as presented. Motion approved.

7. Information Item: Ongoing Land Records Projects Update

i. 2020 Imagery & Lidar Project by Chair Schultz

We received our initial data. Ayers has submitted our data to USGS to QC. That report will be available early next year. We can use the data in the interim, but not distribute it. Our first payment of the USGS Grant was received. They are currently working on the Imagery portion and we are waiting to receive the images. The Lidar/Elevation model is used to help process the Imagery.

ii. GIS Server Upgrade

Michelle Schultz, Jennifer Borlick and Todd Henry are working on the RFP to choose a vendor to complete an architectural review and upgrade of the GIS Server. They will be reviewing proposals October 14-19.

8. Future Agenda Items. None

9. Next meeting date, April 26, 2021 2:00 pm.

10. Adjournment 2:41 p.m. Moved by Ms. Dewitt, 2<sup>nd</sup> by Mr. Heuer Approved.

Submitted by Sandy Disrud



## 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 30<sup>th</sup> of the following year in accordance with s. 59.72(2)(b) WIS STATS.

<b>County</b> <b>Rock</b>	<b>County FIPS</b> <b>105</b>	<b>Recording Period:</b>	
		From <b>Jan. 1, 2020</b>	To <b>Dec. 31, 2020</b>
<b>Name of Land Information Officer</b> <b>Michelle Schultz</b>		<b>Email Address</b> <b>schultz@co.rock.wi.us</b>	<b>Phone Number</b> <b>608-757-5610</b>

1. Amount awarded in WLIP grants under s. 16.967(7) Wis. Stats. in the reporting period (Jan. 1 – Dec. 31, 2020)	<b>\$ 41,000.00</b>
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, 2020)	<b>\$ 244,944.00</b>
3. Total amount of grants and retained fees provided through the WLIP in 2020	<b>\$ 285,944.00</b>

Brief narrative or bulleted summary of 2020 land information activities:

Rock County makes use of retained fees to support core Land Information activities such as parcel mapping and software / hardware maintenance. Retained fees are also used to partially support core Land Information functions such as ensuring WLIP compliance, maintenance and revision of the parcel layer as better information becomes available; updating the land use plan; updating building footprints, hydrology and other features. In 2020 we maintained the following web applications:

Building Site Permit Plan App: <http://www.co.rock.wi.us/Rock/BuildingSitePermit/>  
 Airport Zoning App: <http://www.co.rock.wi.us/Rock/AirportZoning/>  
 Shoreland Zoning App: <http://www.co.rock.wi.us/Rock/ShorelandZoning/>  
 Floodplain Zoning App: <https://arcg.is/0m0Cb>  
 Rock County Supervisory Districts: <http://www.co.rock.wi.us/Rock/SupervisoryDistricts/>  
 Zoning Jurisdiction Map: <https://arcg.is/0qiGrblInteractive> Town Zoning App: <https://rockcountylio.maps.arcgis.com/apps/webappviewer/index.html?id=1322dbee85524566818e6c2c2af3bc5e>  
 Lottery Credit App: <http://rockcountylio.maps.arcgis.com/apps/View/index.html?appid=5d0db739250d40d7b1a5dc10ad01b514>  
 Elected Officials: <http://rockcountylio.maps.arcgis.com/apps/View/index.html?appid=623df514ae2446899ca3c029e76fc12b>  
 Drainage District App: <https://arcg.is/H4ivP0>  
 Farmland Preservation Plan Eligibility: <https://arcg.is/0abnzq>

In 2020 Rock County began migrating the above applications to ArcGIS Online. The links to the individual apps, will not persist. The apps will be found on this page: <https://www.co.rock.wi.us/land-record-maps-apps-data> or here: <https://rockcountylio.maps.arcgis.com/home/index.html>

Building Site Permit Plan App (Deprecated mid-year), Airport Zoning App, Shoreland Zoning App, Floodplain Zoning App: [Rock County Supervisory Districts](#), Zoning Jurisdiction Map, Lottery Credit App, Elected Officials; Drainage District App, Farmland Preservation Plan Eligibility

We also developed and are maintaining the Rock County Coronavirus Response and Recovery Hub here: <https://coronavirus-response-rockcountylio.hub.arcgis.com/>

Brief narrative or bulleted summary of 2020 land information activities:

In 2020 Rock County contracted with a Vendor to begin an upgrade of our enterprise GIS.

The County Surveyors Office continues to scan and make available on their website plats of survey and tie sheets as they are filed in the office. <http://www.co.rock.wi.us/surveyor-available-records>

The Land Information Office Intern started a Culvert Inventory project. Collecting data on County Highway and Town Road Culverts.

Members of the Land Information Office continue to use training funds to stay current on software changes and industry best practices.

**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)
<b>Digital Parcel Mapping</b>	70% Cartographers Annual Salary & Benefits. Project: To Continually revise Rock County's GIS Parcel Layer as more accurate survey information becomes available. Core Land Information Function	Ongoing cost Pg. 52	<b>Total: \$27,262</b> \$33.74/hr	\$28,351
	Computer Supplies Project: Provides for hard copy output of parcel maps and documents to Municipalities, Assessors and Public	Ongoing cost Pg. 52	<b>Total: \$1,089</b> 24" roll paper 4 @ \$17 / ea 36" roll paper 4 @ \$47 / ea Large Format Ink 4 @ \$143 / ea Large Format Printhead 1 @ \$264	
<b>PLSS</b>				0.00
<b>Other Parcel Work (e.g., ROD indexing)</b>	Repair & Maintenance Register of Deeds Scanners Navient	Ongoing cost Pg. 52	<b>Total: \$1,195</b> Annual Charge  Contracted	\$1,195
<b>LIDAR</b>	2020 LiDAR Countywide Acquisition Project	Project #3 Pg. 54	<b>\$90,202</b>  Contracted	\$185,829
	2020 LiDAR Countywide Acquisition Project 2018 SIG	Project #3 Pg. 54	<b>\$5,627</b>	
	2020 LiDAR Countywide Acquisition Project 2019 SIG	Project #3 Pg. 54	<b>\$50,000</b>	
	2020 LiDAR Countywide Acquisition Project 2020 SIG	Project #3 Pg. 54	<b>\$40,000</b>	
<b>Orthoimagery</b>	2020 Wisconsin Regional Orthoimagery Consortium Project 6" Countywide Imagery Acquisition	Project #2 Pg. 54	<b>\$58,080</b>  Contracted	\$79,430
	2020 Wisconsin Regional Orthoimagery Consortium Project 3" Partial Imagery Acquisition	Project #2 Pg. 54	<b>\$21,350</b>  Contracted	
<b>Address Points</b>				0.00
<b>Street Centerlines</b>				0.00

<b>Software</b>	ESRI Software Annual Maintenance ArcInfo / Advanced Floating	Ongoing cost Pg. 52	<b>Total: \$16,800</b> 11 @ \$1,527 ea  Contracted	\$94,279
	ESRI Software Annual Maintenance ArcEditor / Standard Floating	Ongoing cost Pg. 52	<b>Total: \$1,500</b> 1 @ \$1,500  Contracted	
	ESRI Software Annual Maintenance ArcView / Basic Floating	Ongoing cost Pg. 52	<b>Total: \$1,200</b> 2 @ \$600 ea  Contracted	
	ESRI Software Annual Maintenance ArcView / Basic Single Use	Ongoing cost Pg. 52	<b>Total: \$7,600</b> 16 @ \$458 ea.  Contracted	
	ESRI Software Annual Maintenance Spatial Analyst Floating	Ongoing cost Pg. 52	<b>Total: \$700</b> 1 @ \$700  Contracted	
	ESRI Software Annual Maintenance 3D Analyst Floating	Ongoing cost Pg. 52	<b>Total: \$700</b> 1 @ \$700  Contracted	
	ESRI Software Annual Maintenance Network Analyst Floating	Ongoing cost Pg. 52	<b>Total: \$700</b> 1 @ \$700  Contracted	
	Fidlar Technologies Application Register of Deeds Life Cycle (Annual Maintenance)	Ongoing cost Pg. 52	<b>Total: \$65,000</b> Annual Charge Based on # of Documents recorded  Contracted	
	ESRI ArcGIS Online Business Analyst License	Ongoing cost Pg. 52	<b>Total: \$79.45</b>  Contracted	
<b>Hardware</b>	Annual Maintenance of 13 Land Information Office Computers	Ongoing cost Pg. 52	<b>Total: \$52,520</b> \$4,040/ea.	\$58,339
	Service Agreement for Rock County Land Information Office MFP - Planning	Ongoing cost Pg. 52	<b>Total: \$838</b>  Contracted	
	Service Agreement for Rock County Land Information Office MFP – Land Conservation	Ongoing cost Pg. 52	<b>Total: \$1,509</b>  Contracted	
	Service Agreement for Rock County Land Information Office Large Format Scanner	Ongoing cost Pg. 52	<b>Total: \$1,845</b> Annual Charge  Contracted	
	Recommended Replacement of the Land Conservation Hand Held GPS Unit	Ongoing cost Pg. 52	<b>Total: \$1,627</b>  Contracted	



<b>Website Development/ Hosting Services</b>	40% County Surveyors Office Annual Salary. Project: Input Vector and Tabular Data from Plats of Survey into GIS database for viewing and retrieving on the Internet.	Ongoing cost Pg. 52	<b>Total: \$47,486</b> \$44.36/hr	\$63,986
	ArcGIS Server Licenses for internal server & web server. Allows for SDE data (parcels etc.) to be viewed on the internet via ArcGIS server web application	Ongoing cost Pg. 52	<b>Total: \$10,000</b> \$5,000 / ea Contracted	
	ArcGIS Image Extension for Server License allows for image datasets to be easily viewed on the internet via ArcGIS Server web application	Ongoing cost Pg. 52	<b>Total: \$5,000</b> Annual Charge Contracted	
	ArcGIS Online Tools Admin Tools (Pro) \$500 Clean my Org for ArcGIS \$1,000	Ongoing cost Pg. 52	<b>Total: \$1,500</b> Annual Charge Contracted	
<b>Administrative Activities and Management</b>	45% Land Information Officers Annual Salary & Benefits: File Reports, ensure compliance, approve vouchers, prepare an annual budget, prepare data for Statewide Parcel Project submission	Ongoing cost Pg. 52	<b>Total: \$47,604</b> \$47.94/hr	\$47,604
<b>Training and Education</b>	Wisconsin Land Information Association Annual Membership Dues for Rock County Land Information Office	Ongoing cost Pg. 52	<b>Total: \$200</b> Annual Charge	\$3,875
	Training Activities and Educational Opportunities for Rock County Land Information Office	Ongoing cost Pg. 52	<b>Total \$3,675</b> 5 - WLIA Conference \$2,616 1 – GIS Leadership Summit \$159 1 – ArcGIS Online Class \$900	
<b>Other (specify in second column)</b>	Charter Communications High Speed Fiber Line to provide access to Land Records data for Land Conservation	Ongoing cost Pg. 52	<b>Total: \$ 8,264</b> \$689 / mo Contracted	\$11,160
	Land Information Office Intern Culvert Inventory	Project# 1 Pg. 44	<b>Total: \$2,896</b> \$12.00/hr + FICA	
<b>TOTAL</b>				<b>\$ 574,048</b>
Amount of retained fees and grants <b>spent</b> on land records modernization in the reporting period				
<small>Note: Total may be more or less than the amount of grants awarded and fees retained in 2020, because some funds may be carried over from year to year.</small>				

# \*\*UNIFORM INSTRUCTIONS FOR PREPARING COUNTY LAND INFORMATION PLANS

March 2021

## Badger County Land Information Plan 2022-2024

### ABOUT THIS DOCUMENT

- Counties can either plan to use the Microsoft Word version of this document as a template for their 2022-2024 plan, or update their 2018 plan document.
  - ▶ **Flag icons** mark changes made for the 2021 Instructions (relative to the 2018 Uniform Instructions).
- **All** out-of-date content from the county's previous plan should be updated, which entails updating 2018 content for 2021 in areas that may lack flags.
- Delete the "UNIFORM INSTRUCTIONS" title box at the top of this page.
- Update the text on cover page text as appropriate.
- **Version.** The "Version" date below should be manually updated when you save the document. You will need to manually change the Version line for each draft, version, and amendment.
- **Approved/Adopted.** The "Approved/Adopted" line should remain blank until the plan is approved by the county land information council and a date can be added, before the final plan is due on December 31, 2021. In the case of future amendments, plan to edit "Version" date on the cover to reflect the amendment date.
- Further instructions occur on pages 2-3, and throughout this document.

\*\*DELETE THIS EXPLANATION FROM THE FINAL DOCUMENT\*\*

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

**Version: 2021-\*\*-\*\***

Approved/Adopted by Land Information Council on: 2021-\*\*-\*\*

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\*\*DELETE THIS EXPLANATION FROM THE FINAL DOCUMENT\*\*  
**SEE COMPLETE INSTRUCTIONS ON PAGE 3**

**To Update Table of Contents**

- Click the top-most word, "CONTENTS" ► Click option to "Update Table..." ► "Update entire table" ► OK
- Be sure to UPDATE TABLE OF CONTENTS before your final save!

**To Determine What Shows Up in Table of Contents**

- The Table of Contents is built automatically from something called Microsoft Word "Styles."
- The template is programmed to display these Word Styles: *Heading 1* and *Heading 2*.
- Find them on the *Style* list in the *Formatting* toolbar.
- Text in the document formatted as *Heading 1* and *Heading 2* will show up in this Table of Contents. Alter the headings/styles as you wish. It is helpful for DOA staff if you keep *Heading 1* and *2* so they show in Table of Contents.

**To Delete a Text Box (Like This One)**

- Click the box so that it appears as selected ► Hit "Delete" on keyboard or "Cut" to remove it.

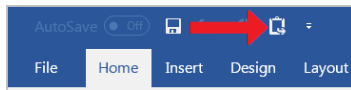
# EXECUTIVE SUMMARY

**\*\*DELETE THIS EXPLANATION FROM THE FINAL DOCUMENT\*\***

This document, the 2021 *Uniform Instructions for Preparing County Land Information Plans*, sets forth the directions and minimum plan elements for 2022-2024 county land information plans. The format is designed to assist counties in organizing their plan layout and meet the minimum requirements, which are detailed in this dual instructions/template document.

## How to Use This Template

- **Instructions** on using the Microsoft Word template document and on the plan process **appear in purple text and are surrounded by asterisks** to distinguish them from the language which should appear in the actual document.
- When it is time to write your plan, **delete all purple instructional text, surrounded by asterisks**.
- Also delete all red flag icons.
- All black text should appear in the final document, unless otherwise noted.
- Examples are included but are only intended as guides.
- To paste in content from the Microsoft Word version of your previous plan:
  - Copy ▶ Right-click ▶ Paste Options: **Merge Formatting**
  - Tip: Add a command called "Paste and Merge Formatting" to the Quick Access Toolbar.
    - Word ▶ File ▶ Options ▶ Quick Access Toolbar ▶ Choose Commands From:  
Select "All Commands" from dropdown ▶ Scroll to "Paste and Merge Formatting" ▶ "Add>>" ▶ OK



This adds a one-click Paste and Merge Formatting button to your toolbar. Use it to paste in content that you want to match the destination (template) document style, but retain original formatting such as italics, hyperlinks, etc.

## Executive Summary Directions

Plans should begin with an executive summary, which explains the main components and takeaways from the plan in one page. Write for a general audience, not a technical audience. Remember that executive level decision-makers—such as county board members—may be a key audience for the executive summary. The following structure is recommended, but you may choose to adapt the summary.

**Paragraph 1: About this Document.** The first paragraph is broad. It lays out what the plan is in the most general terms. Clearly state the purpose(s) of the plan right away. You may copy the example on the next page.

**Paragraph 2: WLIP Background.** As the plans are mandated by statute for participation in the WLIP, it is important to provide brief context on the program for unfamiliar readers. Again, you may use the template paragraph. You may also choose to alter the paragraph to be specific to your county's history of WLIP funding.

**Paragraph 3: Land Information in the County.** Broadly describe how land records and GIS data are essential to the county and county services.

**Paragraph 4: Three-Year Mission Statement.** Include a mission statement for the land information office. A mission statement describes what an organization seeks to do. The mission statement can broadly mention your most significant projects (but details on how to achieve this mission through concrete goals and objectives should be laid out in Chapter 4).

### Three-Year Mission Statement – Examples

- In the next three years, Badger County's Land Information Office strives to be recognized for its exceptional webmapping site, gains in governmental efficiencies by broadening the utilization of GIS, improvements in parcel mapping accuracy, and responsiveness to meeting the land records needs of residents and businesses.
- 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 webmapping service.
- Badger 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.

**Paragraph 5+: Projects Summary.** Recap your major projects from Chapter 4. You can use a bulleted list, a table, or perhaps list them in general terms in paragraph form.

## **\*\* Executive Summary – Example/Template \*\***

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

**WLIP Background.** The WLIP, administered by the Wisconsin Department of Administration, is funded by document recording fees collected by register of deeds at the county-level. In 2020, Badger County was awarded \$\_\_\*\*k in WLIP grants and retained a total of \$\_\_\*\* million in local register of deeds document recording fees for land information.

**\*\*DELETE THIS EXPLANATION FROM THE FINAL DOCUMENT\*\***

You can find the total of grants awarded to and fees retained by your county in 2020 on the Retained Fee/Grant Report form emailed to counties on March 17, 2021.

This 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 provides estimated figures that are subject to change and are designed to serve planning purposes only.

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

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

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

<b>Badger County Land Information Projects: 2022-2024</b>	
<b>Project #1</b>	<b>Indexing of documents by geography in GIS</b>
<b>Project #2</b>	<b>Countywide integration of tax/assessment data with parcel polygons</b>
<b>Project #3</b>	<b>100% PLSS remonumentation with survey grade GPS coordinates</b>
<b>Project #4</b>	<b>Expansion of the use of mobile GPS/GIS technology</b>
<b>Project #5</b>	<b>Document imaging improvements</b>
<b>Project #6</b>	<b>Website development and hosting for improved access to land records</b>

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

# 1 INTRODUCTION

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

## The WLIP and the Land Information Plan Requirement

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

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

### LAND INFORMATION

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

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

– Wis. Stats. section 59.72(1)(a)

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

**\*\*DELETE THIS EXPLANATION FROM THE FINAL DOCUMENT\*\***

Again, this general text (in black) is for unfamiliar readers, such as members of a county board. Edit or add text as you deem appropriate for your audience.

The *Uniform Instructions for Preparing County Land Information Plans* are designed as a template, but leave flexibility as to how counties may choose to address the minimum plan components. The county is able to include as much detail as necessary to make the planning process useful at the local level. The instructions may serve as a template, but are not meant to limit the information that may be included.

## Act 20 and the Statewide Parcel Map Initiative

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

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

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

participatory planning process. Current benchmarks are detailed in the WLIP grant application, as will be future benchmarks.

### WLIP Benchmarks (For 2016-2021 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 Badger County is meeting these benchmarks appears in the Foundational Elements section of this plan document.

## County Land Information System History and Context

The history of land information in Badger County . . . . \*\*

**\*\*DELETE THIS EXPLANATION FROM THE FINAL DOCUMENT\*\***

In Chapter 1 of the plan, the county should provide an overview of the county's land records modernization efforts, dating back to when the WLIP was established in 1989 if possible. You may be brief here, or provide as much detail as desired.

To paste in content from the previous Microsoft Word version of your plan:

- Copy ► Right-click ► Paste Options: **Merge Formatting**

## County Land Information Plan Process

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

**\*\*DELETE THIS EXPLANATION FROM THE FINAL DOCUMENT\*\***

The minimum planning horizon for these documents is three years. The plan may incorporate a planning horizon that is longer if the needs and priorities of the participants warrant.

You may optionally include other information about the plan writing process here, such as meeting dates and county-level approval dates.

## ▶ 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

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

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

<b>Badger County Land Information Council and Plan Workgroup</b>				
<b>Name</b>	<b>Title</b>	<b>Affiliation</b>	<b>Email</b>	<b>Phone</b>
+ <b>ROD Name**</b>	Register of Deeds, Land Information Officer	Adams County Land Information Office	jhelgeson@co.adams.wi.us	608-339-4206
+ <b>Treasurer Name**</b>	County Treasurer	Adams County Treasurer's Office	msmith@co.adams.wi.us	608-333-1234
+ **	Real Property Lister			
+ **	County Board Member			
+ **	Land Information Office Representative			
+ **	Realtor			
+ **	Public Safety Officer			
**	County Surveyor			
**				
**				
**				

+ Land Information Council Members designated by the plus symbol

\*\*DELETE THIS EXPLANATION FROM THE FINAL DOCUMENT\*\*

Fill in the table above. Add any locally-relevant information. Delete any unused rows.

**\*\*END OF CHAPTER 1\*\***



# 2 FOUNDATIONAL ELEMENTS

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

### 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 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.

\*\*DELETE THIS EXPLANATION FROM THE FINAL DOCUMENT\*\*

The list of WLIP’s Foundational Elements has evolved with each update of the county land information plan instructions. They are a guideline of what counties need to address in their plans *at a minimum*. As the list of layers in this document is not exhaustive, counties are **welcome to insert additional layers** for geospatial data categories stewarded by the county that are of importance to local business needs.

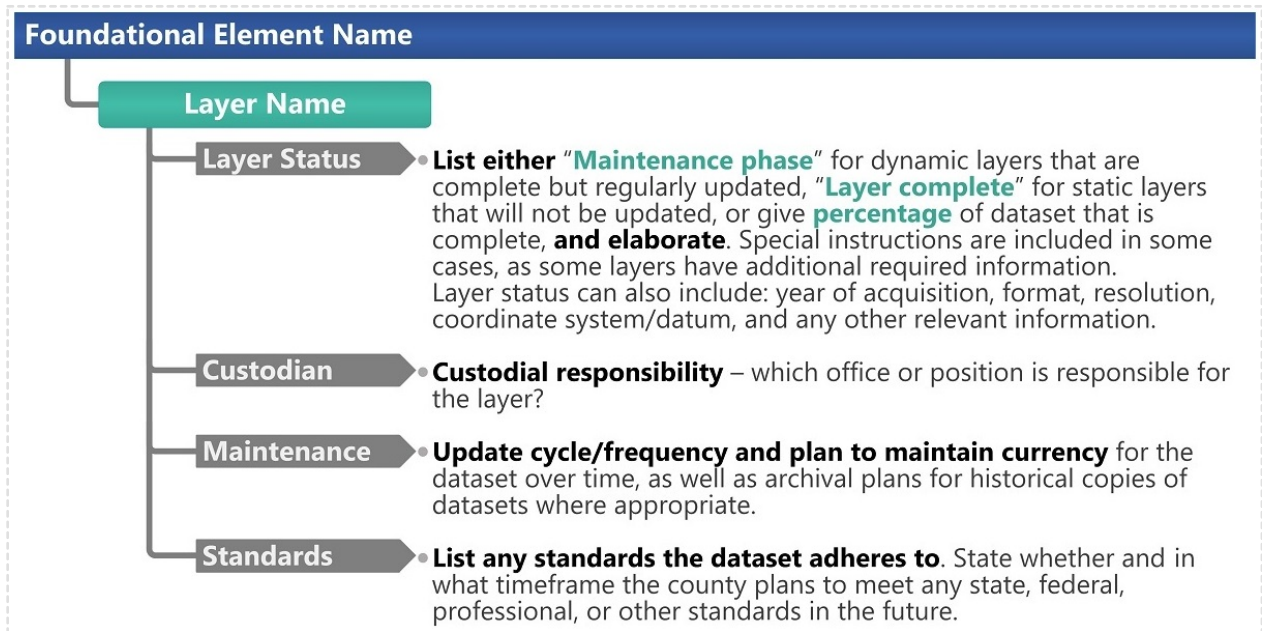
Do not delete Foundational Element headings. If an element or layer does not apply to your county:

- Under **Layer Status**, type “Badger County does not have a \_\_ layer” then delete the subheadings for Custodian/Maintenance/Standards for that particular layer

**Foundational Element Subheadings** are shown in the image below. You may delete the image from the final document (but the first Foundational Element, PLSS, must start at the top of a fresh page.)

For each layer listed under a Foundational Element, the plan should address:

- Layer Status**
- Custodian**
- Maintenance**
- Standards**



# PLSS

## Public Land Survey System Monuments

### Layer Status

**\*\*DELETE THIS EXPLANATION FROM THE FINAL DOCUMENT\*\***

The "Layer Status" section for PLSS is unique, because it contains a table with several required questions. For the PLSS Foundational Element, the table below documents Layer Status.

The PLSS section must 1) start at the top of a page in the final plan document, beginning with the heading for "PLSS." Do not delete rows from the table.

Note that for six of the table rows below, the 2018 Uniform Instructions asked for "number and percent" of corners. The 6 instances of "and percent" and percentages may be omitted from 2021 plans.

### PLSS Layer Status

	Status/Comments
Number of PLSS corners (selection, 1/4, meander) <b>set in original government survey</b> that can be remonumented in your county	● XX
Number of PLSS corners capable of being remonumented in your county that <b>have been remonumented</b>	● **
Number of remonumented PLSS corners with survey grade coordinates (see below for definition) <ul style="list-style-type: none"> <li>● <b>SURVEY GRADE</b> – 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</li> <li>● <b>SUB-METER</b> – point precision of 1 meter or better</li> <li>● <b>APPROXIMATE</b> – point precision within 5 meters or coordinates derived from public records or other relevant information</li> </ul>	● **
Number of survey grade PLSS corner coordinates integrated into county digital parcel layer	● **
Number of non-survey grade PLSS corner coordinates integrated into county digital parcel layer	● **
Tie sheets available online?	● ** <b>**Answer: Yes or No. If yes, provide URL for tie sheet search</b>
Percentage of remonumented PLSS corners that have <b>tie sheets available online</b> (whether or not they have corresponding coordinate values)	● **
Percentage of remonumented PLSS corners that have tie sheets available online (whether or not they have corresponding coordinate values) <b>and a corresponding URL path/hyperlink value</b> in the PLSS geodatabase	● **
PLSS corners believed to be remonumented based on filed tie-sheets or surveys, but do not have coordinate values	● **
Approximate number of PLSS corners believed to be lost or obliterated	● **
Which system(s) for <b>corner point identification/numbering</b> 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)?	● ** <b>**Answer: Name <u>all</u> corner point ID systems used in the county. Explain if a different point ID system is used in a particular area/region. If the county uses a <u>unique</u> naming convention/standard for point identification, describe how it breaks down in detail.**</b>
Does the county contain any <b>non-PLSS areas</b> (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?	● ** <b>**Answer: Yes or No. If yes, provide explanation**</b>
Total number of PLSS corners along each bordering county	● **
Number of PLSS corners remonumented along each county boundary	● **
Number of remonumented PLSS corners along each county boundary with survey grade coordinates	● **
In what ways does your county collaborate with or plan to collaborate with neighboring counties for PLSS updates on shared county borders?	● **

## Custodian

- \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

**Custodian: Custodial responsibility** – which office or position is responsible for the layer?

## Maintenance

- \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

**Maintenance: Update cycle/frequency and plan to maintain currency** for the dataset over time, as well as archival plans for historical copies of datasets where appropriate.

## 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

- \*\*

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## Standards

- **List any standards the dataset adheres to.**
- State whether and in what timeframe the county plans to meet any state, federal, professional, or other standards in the future.
- If you meet the statutory standards listed, keep them in the document for reference.
- If the dataset does **not** meet a standard that is listed and there are no plans to meet it, explain.

## Other Geodetic Control and Control Networks

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

### Layer Status

- \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

If an element or layer **does not apply** to your county:

Under **Layer Status**, type “Badger County does not have a \_ layer” then delete subheadings for Custodian/Maintenance/Standards

**Add sections** for sub-themes for relevant layers as needed.

## Custodian

- \*\*

## Maintenance

- \*\*

## Standards

- \*\*

# Parcel Mapping

## Parcel Geometries

### Layer Status

- **Progress toward completion/maintenance phase:** County-wide parcel layer is . . .\*\* In Badger County, 100% of the county's parcels are available in a commonly-used digital GIS format.

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

### Layer Status

- **Progress toward completion/maintenance phase:** State progress toward completion/maintenance phase. If county-wide digital parcel layer has reached maintenance phase, include the sentence, "In Badger County, 100% of the county's parcels are available in a commonly-used digital GIS format."

- **Projection and coordinate system:** \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

- **Projection and coordinate system:** Provide projection and coordinate system used.
- **Integration of tax data with parcel polygons:** The county does not have a parcel polygon model that directly integrates tax/assessment data as parcel attributes.
- The county does have a parcel polygon model that directly integrates tax/assessment data as parcel attributes.

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

- **Integration of tax data with parcel polygons: Select one** and delete the one that does not apply.
  - The county does not have a parcel polygon model that directly integrates tax/assessment data as parcel attributes.
  - The county does have a parcel polygon model that directly integrates tax/assessment data as parcel attributes.

### Omit for 2021:

- ~~**Esri Parcel Fabric/LGIM Data Model:** The county does/does not use or plan to implement the Esri Parcel Fabric Data Model, and/or Esri's Local Government Information Model.~~

- **Online Parcel Viewer Software/App and Vendor name:** \_\_\*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

- **Online Parcel Viewer Software/App and Vendor name:** Provide the name of the **app/software** used in the county's online parcel viewer, and **contractor/vendor** name if applicable. (This information was in the "Public Access" table in the 2016-2018 plan template.) Some common options are:
  - **WebGUIDE Xtreme (WGX)** – from contractor/vendor Applied Data Consultants
  - **Esri ArcGIS Map Viewer** – \*\*Contractor name OR In-house
  - **Esri ArcGIS Map Viewer** – from contractor/vendor Pro-West & Associates Inc.
  - **Esri Web AppBuilder for ArcGIS** (custom) – \*\*Contractor name OR In-house
  - **Esri Web AppBuilder for ArcGIS w/Tax Parcel Viewer** – \*\*Contractor name OR In-house
  - **Geocortex Essentials or Geocortex/Esri** – from contractor/vendor Ruekert-Mielke
  - **Custom (\*\*Specify)** – \*\*Contractor OR In-house

- **Unique URL path for each parcel record:** \_\_\*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

- **Unique URL path for each parcel record:** Does the county have **unique URL path** for each parcel record, from which one can view the **specific** parcel's attribute information and other land records (such as detailed assessment data, the tax bill for that parcel, information on recorded documents, permits, link to assessor's record for that specific parcel, zoning information, etc.).
- Answer: **Yes** or **No**.
  - If yes, include a list of information that can be accessed through the unique parcel URL.
  - If yes, is the URL stable?
  - If yes, could the unique URL values be exported?

## Custodian

- \*\*

## Maintenance

- **Update Frequency/Cycle:** Parcel polygons are updated \_\_\*\*
- \*\*

## Standards

- **Data Dictionary:** \_\_\*\*
- \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

### Standards

- **Data Dictionary:**
  - Describe the data dictionary for the parcel dataset.
  - Is it a separate document or in the dataset's metadata?
  - Specify whether there are definitions/explanations of any county-specific notations.
  - If the dataset lacks a data dictionary and there are no plans to create one, explain.
- List any standards the dataset adheres to.
- State whether and in what timeframe the county plans to meet any state, federal, professional, or other standards in the future.

## Assessment/Tax Roll Data

### Layer Status

- **Progress toward completion/maintenance phase:** NA
- **Tax Roll Software/App and Vendor name:** \*\*
- **Municipal Notes:** \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

### Layer Status

- **Progress toward completion/maintenance phase:** NA (This is not applicable, since assessment/tax roll data is not a GIS data layer and is updated throughout the year.)
- **Tax Roll Software/App and Vendor name:**
  - Include the name of software vendor(s) the county utilizes and/or who the county contracts with to prepare assessment and tax roll data and/or tax bills.
  - Some common options are:
    - **Ascent Land Records Suite** – from contractor/vendor Transcendent Technologies
    - **Property Assessment & Tax Billing Module** – from contractor/vendor LandNav/GCSSoftware
    - **Novus** – from contractor/vendor Manatron/Thomson Reuters
    - **Custom AS-400** – \*\*Contractor OR In-house
    - **Custom (\*\*Specify)** – from contractor/vendor ACS/Xerox/Conduent
    - **Custom (\*\*Specify)** – \*\*Contractor OR In-house(County responses will aggregated to update the WLIP map of Tax\_Parcel\_Software\_Vendors)
- **Municipal Notes:**
  - Note any special municipal situations—e.g., municipalities who do their own tax listing, or municipalities who maintain and submit their tax roll to DOR independently of the county.
  - If there are no special municipal notes, answer with "NA"

## Custodian

- \*\*

## Maintenance

- **Maintenance of the Searchable Format standard:** To maintain the Searchable Format standard, the county will \_\_\*\*

- **Searchable Format Workflow: \*\***

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

#### Maintenance

- **Maintenance of the Searchable Format standard:**
  - Describe how the county will maintain the Searchable Format standard for parcel/tax roll data (in about 300 characters or less).
  - The details of the Searchable Format can be found in the parcel Submission Documentation.
  - **For counties who utilize WLIP Strategic Initiative funding for the purpose of preparing the annual parcel/tax roll data submission to DOA for the Parcel Initiative, you must include a *Project Plan to Maintain Searchable Format (Benchmarks 1 & 2)* in Chapter 4.**
- **Searchable Format Workflow:**  
Select one and paste in:
  - The county maintains parcel/tax roll data in the Searchable Format or close enough to the Searchable Format that **little to no human labor is required** for the annual submission of parcel/tax roll data to DOA.
  - The county maintains parcel/tax roll data in such a way that **requires significant formatting every year**—whether by the county staff in-house, or a third-party contractor/vendor.

#### Standards

- Wisconsin Department of Revenue Property Assessment Manual and attendant DOR standards
- DOR XML format standard requested by DOR for assessment/tax roll data
- \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

#### Standards

- List any standards the dataset adheres to.
- State whether and in what timeframe the county plans to meet any state, federal, professional, or other standards in the future.
- If you meet the statutory standards listed, keep them in the document for reference.

## Non-Assessment/Tax Information Tied to Parcels

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

#### Layer Status

- \*\*

#### Custodian

- \*\*

#### Maintenance

- \*\*

#### Standards

- \*\*

## ROD Real Estate Document Indexing and Imaging

#### Layer Status

- **Grantor/Grantee Index: \*\***
- **Tract Index: \*\***
- **Imaging: \*\***

- **ROD Software/App and Vendor Name: \*\***

**\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\***

#### Layer Status

- **Grantor/Grantee Index:** Describe.
- **Tract Index:**
  - Give status
  - Specify whether tract indexing is parcel PIN-based or PLSS-based
  - Specify what sort of documents the county's tract indexing encompasses
- **Imaging:** Describe.
- **ROD Recorded Documents Software/App and Vendor name:**
- Include the name of software vendor(s) the county utilizes and/or who the county contracts with to make recorded documents available online.
- Some common options are:
  - **Laredo/Tapestry** – from contractor/vendor Fidlar
  - **Landshark** – from contractor/vendor Trimin
  - **GCS Web Portal** – from contractor/vendor LandNav/GCS Software
  - **Custom (\*\*Specify)** – \*\*Contractor OR In-house
- If ROD documents are not available online, type: ROD documents are not available online in Badger County

#### Omit for 2021:

- \* Include notes on ~~fee structure/subscription fees~~ if applicable. There is no need to address fees for access to ROD recorded documents that are assessed at the statutory rate.

#### Custodian

- County Register of Deeds

#### Maintenance

- \*\*

#### 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:** 20\*\*
- **Accuracy:** \*\*
- **Post spacing:** \*\*
- **Contractor's standard, etc.:** \*\*
- \*\*
- **Next planned acquisition year:** 20\*\*
- **QL1/QL2 acquisition plans:**\*\*

**\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\***

#### Layer Status

- **Most recent acquisition:** Provide **year** of most recent acquisition.
- Specify the accuracy, post spacing, contractor's standard, etc. if known
- **Next planned acquisition year:** If there is a year planned for next acquisition, provide the year of next planned acquisition.
- **QL1/QL2 acquisition plans:** If applicable, describe QL1/QL2 acquisition plans

#### Custodian

- \*\*

#### Maintenance

- \*\*

#### Standards

- USGS Lidar Base Specification

## 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.

**\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\***

### Add for 2021:

- Add "Hydro-Enforced DEMs" to subheading title for LiDAR Derivatives.

### Layer Status

- \*\*

### Custodian

- \*\*

### Maintenance

- \*\*

### Standards

- \*\*

## Other Types of Elevation Data

### Layer Status

- \*\*

### Custodian

- \*\*

### Maintenance

- \*\*

### Standards

- \*\*

## Orthoimagery

### Orthoimagery

#### Layer Status

- **Most recent acquisition year:** 20\*\*
- **Resolution:** \*\*
- **Contractor's standard:** \*\*
- \*\*
- **Next planned acquisition year:** 20\*\*

**\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\***

#### Layer Status

- **Progress toward acquisition:** Provide **year** of most recent acquisition.
- Specify the resolution, contractor's standard, etc. for existing dataset.
- **Next planned acquisition year:** If there is a year planned for next acquisition, provide the year of next planned acquisition. Provide any notes on update cycle.

#### Omit for 2021:

- **WROC participation in 2020:**  
Specify either:
  - Confirmed participating in WROC 2020
  - Will not participate
  - Unsure about participation — Explain

### Custodian

- \*\*

### Maintenance

- \*\*

### Standards

- \*\*



## Historic Orthoimagery

### Layer Status

- \*\*

### Custodian

- \*\*

### Maintenance

- \*\*

### Standards

- \*\*

## Other Types of Imagery

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

### Layer Status

- \*\*

### Custodian

- \*\*

### Maintenance

- \*\*

### Standards

- \*\*

## Address Points and Street Centerlines

### Address Point Data

#### Layer Status

- \*\*

#### Custodian

- \*\*

#### Maintenance

- \*\*

#### Standards

- Wisconsin GIS NG9-1-1 Data Standard (Site/Structure Address Point)
- \*\*



## Building Footprints

### Layer Status

\*\*

### Custodian

- \*\*

### Maintenance

- \*\*

### Standards

- \*\*

## Other Types of Address Information

e.g., Address Ranges

### Layer Status

- \*\*

### Custodian

- \*\*

## Maintenance

- \*\*

## Standards

- \*\*

## Street Centerlines

### Layer Status

- \*\*

### Custodian

- \*\*

### Maintenance

- \*\*

### Standards

- Wisconsin GIS NG9-1-1 Data Standard (Road Centerline)
- \*\*

## Rights of Way

### Layer Status

- \*\*

- **How maintained:** \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

### Layer Status

- **How maintained:** Specify how maintained (e.g., as a separate/stand-alone layer; as part of parcel layer with ROW-identifying information in an attribute field such as PIN/PARCELID; or other . . .)

### Custodian

- \*\*

### Maintenance

- \*\*

### Standards

- \*\*

## Trails

e.g., **Recreational Trails, Snowmobile Trails**

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

### Add for 2021:

- Add "Snowmobile Trails" to subheading title for Trails.

### Layer Status

- \*\*

### Custodian

- \*\*

### Maintenance

- \*\*

### Standards

- \*\*

## Land Use

### Current Land Use

#### Layer Status

- \*\*

**Custodian**

- \*\*

**Maintenance**

- \*\*

**Standards**

- \*\*

**Future Land Use**

**Layer Status**

- \*\*

**Custodian**

- \*\*

**Maintenance**

- \*\*

**Standards**

- s. 66.1001, Wis. Stats. Comprehensive planning.
- \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

**Standards**

- List any standards the dataset adheres to.
- Future land use maps are typically 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**

- \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

**County General Zoning: Layer Status**

**LINE 1. Select one of the options below and paste it in Layer Status:**

- Not administered by county.  
This means the COUNTY does not administer a general zoning ordinance (although some municipalities within it might).
  - ▶ Then delete the Custodian/Maintenance/Standards sections below.
- Administered by county but not in GIS format.  
This means the COUNTY does administer a general zoning ordinance, but does not have a GIS representation of the boundaries.
  - ▶ Then delete the Custodian/Maintenance/Standards sections below.
- The County does maintain a GIS representation of county general zoning boundaries.
  - ▶ Proceed to describe Layer Status, and complete Custodian/Maintenance/Standards.

**Custodian**

- \*\*

**Maintenance**

- \*\*

## Standards

- \*\*

## Shoreland Zoning

### Layer Status

- \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

### Shoreland Zoning: Layer Status

#### **LINE 1. Select one of the options below and paste it in Layer Status:**

- Not administered by county.  
This means the COUNTY does not administer a shoreland zoning ordinance (although some municipalities within it might).
  - ▶ Then delete the Custodian/Maintenance/Standards sections below.
- Administered by county but not in GIS format.  
This means the COUNTY does administer a shoreland zoning ordinance, but does not have a GIS representation of the boundaries.
  - ▶ Then delete the Custodian/Maintenance/Standards sections below.
- The County does maintain a GIS representation of county shoreland zoning boundaries.
  - ▶ Proceed to describe Layer Status, and complete Custodian/Maintenance/Standards.

### Custodian

- \*\*

### Maintenance

- \*\*

### Standards

- \*\*

## Farmland Preservation Zoning

### Layer Status

- \*\*
- **Year of certification:** \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

### Farmland Preservation Zoning: Layer Status

#### **LINE 1. Select one of the options below and paste it in Layer Status:**

- Not administered by county.  
This means the COUNTY does not administer a farmland preservation zoning ordinance (although some municipalities within it might).
  - ▶ Then delete the Custodian/Maintenance/Standards sections below.
- Administered by county but not in GIS format.  
This means the COUNTY does administer a farmland preservation zoning ordinance, but does not have a GIS representation of the boundaries.
  - ▶ Then delete the Custodian/Maintenance/Standards sections below.
- The County does maintain a GIS representation of county farmland preservation zoning boundaries.
  - ▶ Proceed to describe Layer Status in LINE1, LINE2, and complete Custodian/Maintenance/Standards.

#### **LINE 2. Year of certification:**

- Give year of most recent certification of farmland preservation zoning ordinance by DATCP.
  - Specify whether the GIS dataset is updated to reflect re-zones in/out of districts since certification.

### Custodian

- \*\*

### Maintenance

- \*\*

## Standards

- \*\*

## Floodplain Zoning

### Layer Status

- \*\*
- \*\*
- \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

### Floodplain Zoning: Layer Status

#### **LINE 1. Select one of the options below and paste it in Layer Status:**

- Not administered by county.  
This means the COUNTY does not administer a floodplain zoning ordinance (although some municipalities within it might).
  - ▶ Then delete the Custodian/Maintenance/Standards sections below.
- Administered by county but not in GIS format.  
This means the COUNTY does administer a floodplain zoning ordinance, but does not have a GIS representation of the boundaries.
  - ▶ Then delete the Custodian/Maintenance/Standards sections below.
- The County does maintain a GIS representation of floodplain zoning boundaries.
  - ▶ Proceed to describe Layer Status, starting with the options immediately below:

#### **LINE 2. Select one of the options below and paste it in Layer Status:**

- The county's floodplain zoning GIS data is the same as/identical to the FEMA map.
- The county's floodplain zoning GIS data is not the same as/identical to the FEMA map. Explain.

#### **LINE 3 AND BEYOND.** If any of the below apply, **paste the appropriate text** into Layer Status. Then explain how/why it applies.

- **Limited Boundary Adjustment/Fill in Flood Fringe** – Some counties may have more restrictive ordinances than FEMA's maps depict—due to "limited boundary adjustment" where there is fill in the floodfringe (e.g., Brown, Walworth, Waukesha, others).
- **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.  
If your county floodplain zoning ordinance does not conform to a federal Letter of Map Amendment, explain.
- **PL-566 (PL-566 Watershed Program) Breach Routes** – Some counties may have more restrictive ordinances than FEMA's maps depict—due to PL-566 Breach Routes, under the Watershed Protection and Flood Prevention Act administered by USDA (see e.g., Vernon County zoning ordinance).
- **Any Other Case(s)** where the county maintains a GIS map layer that does not identically match the FEMA data. Explain.

## Custodian

- \*\*

## Maintenance

- \*\*

## Standards

- \*\*

## Airport Protection

### Layer Status

- \*\*

- **Airport protection zoning map depicts: \*\***

**\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\***

## **Airport Protection: Layer Status**

### **LINE 1. Select one of the options below and paste it in Layer Status:**

- Not administered by county.  
This means the COUNTY does not administer an airport protection zoning ordinance (although some municipalities within it might).  
▶ Then delete the Custodian/Maintenance/Standards sections.
- Administered by county but not in GIS format.  
This means the COUNTY does administer an airport protection zoning ordinance, but does not have a GIS representation of the boundaries.  
▶ Then delete the Custodian/Maintenance/Standards sections.
- The County does maintain a GIS representation of airport protection zoning boundaries.  
▶ Proceed to describe Layer Status, starting with the options immediately below:

### **LINE 2 AND BEYOND.** If any of the below apply, **paste the appropriate text** into Layer Status. Then explain how/why it applies.

- **Airport protection zoning map depicts:**
  - Height limitation restrictions
  - General zoning overlay for airport protection
  - Other—include/explain all that apply

#### **Custodian**

- \*\*

#### **Maintenance**

- \*\*

#### **Standards**

- \*\*

## **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**

- \*\*

#### **Custodian**

- \*\*

#### **Maintenance**

- \*\*

#### **Standards**

- \*\*

## **Administrative Boundaries**

### **Civil Division Boundaries**

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

### **Layer Status**

- \*\*

#### **Custodian**

- \*\*

#### **Maintenance**

- \*\*

#### **Standards**

- \*\*

## School Districts

### Layer Status

- **Progress toward completion/maintenance phase:** \*\*
- **Relation to parcels:** \*\*
  - **Attributes linked to parcels:** \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

### Layer Status – State progress toward completion/maintenance phase

- Relation to parcels: Specify whether/how school districts are tied to parcels.
  - **Attributes linked to parcels:** Name any specific school district attribute(s) that are linked to parcels

### Custodian

- \*\*

### Maintenance

- \*\*

### Standards

- \*\*

## Election Boundaries

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

### Layer Status

- \*\*

### Custodian

- \*\*

### Maintenance

- \*\*

### Standards

- \*\*

## Utility Districts

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

### Layer Status

- \*\*

### Custodian

- \*\*

### Maintenance

- \*\*

### Standards

- \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

### Reorganize for 2021:

### Public Safety

- Formerly there was only one layer heading called *Public Safety*.
- Specifically, in the 2018 Uniform Instructions it was:
  - **Public Safety:** e.g., *Fire/Police Districts, Emergency Service Districts, 911 Call Center Service Areas, Public Safety Answering Points, Healthcare Facilities*
- For 2021, Emergency Service Districts, PSAP Boundaries, and Provisioning Boundaries are separated out to have their own headings, based on their centrality to the NG911 GIS data model.

## ▶ Emergency Service Boundary – Law/Fire/EMS

### Layer Status

- **Law Enforcement:** \*\*
- **Fire:** \*\*
- **EMS:** \*\*
- \*\*

### Custodian

- \*\*

### Maintenance

- \*\*

### Standards

- Wisconsin GIS NG9-1-1 Data Standard (Emergency Service Boundary)
- \*\*

## ▶ Public Safety Answering Points (PSAP) Boundary

### Layer Status

- \*\*
- **PSAP Boundary:** \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

- **PSAP Boundary:** If applicable—indicate if PSAP boundary is the same as/coincident with the county boundary

### Custodian

- \*\*

### Maintenance

- \*\*

### Standards

- Wisconsin GIS NG9-1-1 Data Standard (PSAP Boundary)
- \*\*

## ▶ Provisioning Boundary

### Layer Status

- \*\*

### Custodian

- \*\*

### Maintenance

- \*\*

### Standards

- Wisconsin GIS NG9-1-1 Data Standard (Provisioning Boundary)
- \*\*

## ▶ Other Public Safety

e.g., Healthcare Facilities

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

**Reorganize for 2021:**

### **Other Public Safety**

**e.g., Fire/Police Districts, 911 Call Center Service Areas, Public Safety Answering Points**

- Formerly the heading was “Public Safety” in the 2018 Uniform Instructions.
- **Other Public Safety** is the new subsection name for 2021.
  - Fire/Police Districts, 911 Call Center Service Areas, and Public Safety Answering Points can be removed from the layer title, since they have their own separate subsections.

### Layer Status

- \*\*



**Custodian**

- \*\*

**Maintenance**

- \*\*

**Standards**

- \*\*

**Lake Districts**

**Layer Status**

- \*\*

**Custodian**

- \*\*

**Maintenance**

- \*\*

**Standards**

- \*\*

**Native American Lands**

**Layer Status**

- \*\*

**Custodian**

- \*\*

**Maintenance**

- \*\*

**Standards**

- \*\*

**Other Administrative Districts**

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

**Layer Status**

- \*\*

**Custodian**

- \*\*

**Maintenance**

- \*\*

**Standards**

- \*\*

**Other Layers**

**Hydrography Maintained by County or Value-Added**

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



**Layer Status**

- \*\*

**Custodian**

- \*\*

**Maintenance**

- \*\*

**Standards**

- \*\*
- USGS Elevation-Derived Hydrography Specifications

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

**Add for 2021:**

### **Hydrography Maintained by County or Value-Added**

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

- *Elevation-Derived Hydrography* and the standard are a new for 2021, relative to the 2018 Uniform Instructions.

## **Cell Phone Towers**

### **Layer Status**

- \*\*

### **Custodian**

- \*\*

### **Maintenance**

- \*\*

### **Standards**

- \*\*

## **Bridges and Culverts**

### **Layer Status**

- \*\*

### **Custodian**

- \*\*

### **Maintenance**

- \*\*

### **Standards**

- \*\*



## **Other/Miscellaneous**

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

### **Layer Status**

- \*\*

### **Custodian**

- \*\*

### **Maintenance**

- \*\*

### **Standards**

- \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

## **Other/Miscellaneous**

- Copy the "Other/Miscellaneous" subsection to use as a template for any additional specific layers you wish to add.
- The word "Miscellaneous" should be added to the subsection title for 2021.

**\*\*END OF CHAPTER 2\*\***

# 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.

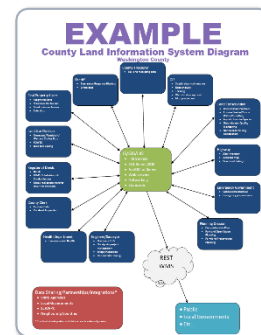
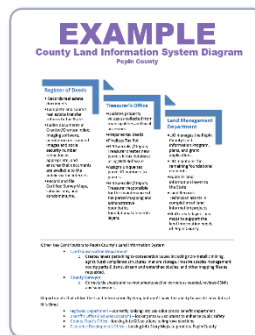
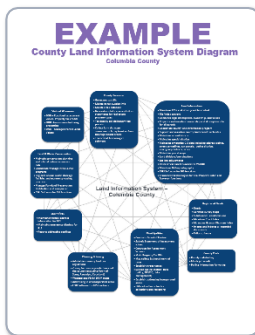
This chapter describes the design of the county land information system, with focus on how data related to land features and data describing land rights are integrated and made publicly available.

## Current Land Information System Diagram of County Land Information System

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### Diagram of County Land Information System

- This **optional section** features a diagram that documents your county's land information system and the various inter-organizational workflows it encompasses.
- A diagram of the county land information system might include the following offices involved with the creation and maintenance of land information:
  - Land Information Officer
  - GIS technician
  - Register of Deeds
  - Treasurer
  - Real Property Lister
  - Public safety or emergency communications office
  - County surveyor
  - Zoning administrator
  - Any other departments/offices
- Examples appear below. Click for an enlarged view.
- If you choose not to include a diagram, delete this entire section, including the section heading.

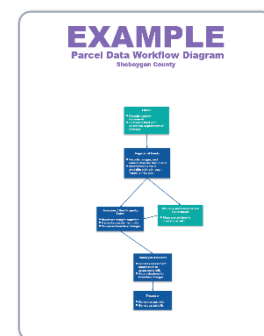
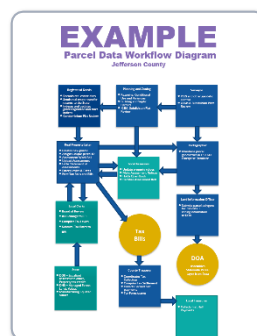
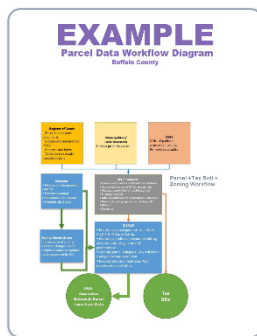


## County Parcel Data Workflow Diagram

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### County Parcel Data Workflow Diagram

- This **optional section** features a diagram that documents your county’s parcel mapping and tax roll process. The diagram can be general and simple. Complex diagrams are welcome, but the purpose of the parcel workflow is for WLIP staff and other readers to better understand the various aspects of parcel data creation and maintenance, which greatly vary from county to county.
- The workflow diagram for parcel data might depict:
  - Major components of parcel data, especially those referenced by s. 59.72(2)(a), including parcel polygons and tax roll data
  - Integration of parcel polygons with other data/attributes, if applicable
- Departments/offices/staff involved with the creation and maintenance of parcel data
- Examples appear below. Click for an enlarged view.
- If you choose not to include a diagram, delete this entire section, including the section heading.



## 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.

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

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.

- Describe the county’s land information:
  - Hardware (can indicate **UAS/drone** use in *Hardware*; or put info under appropriate layer status)
  - Software
  - Website Development/Hosting Services
- You may be general or detailed in this section.
- Costs associated with ongoing technology expenditures or projected expenditures can optionally be listed elsewhere—specifically, in Chapter 4. As a reminder, the annual “County Retained Fee/Grant Report” due to DOA at the end of the state fiscal year on June 30th provides detailed information on expenditures (so you can report that detailed expenditure information in that form rather than in this plan document).

### Hardware

- \*\*
- \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

### Hardware

- Describe land information hardware.

## Software

- \*\*
- \*\*
- **County currently uses ArcGIS Pro:** \*\*
- **County plans to upgrade to ArcGIS Pro:** \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

### Software

- Describe land information software.

### Add for 2021:

- **County currently uses ArcGIS Pro:** \*\* Answer by typing Yes or No
- **County plans to upgrade to ArcGIS Pro:** \*\* Answer by typing Yes, by estimated date: \_\_\_\_\_(specify) or No

## Website Development/Hosting

- \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

### Website Development/Hosting

- Describe website development/hosting
- If applicable, describe use of contractors, consultants, and/or third-party technology for access (e.g., specific web applications, consultants, software developers, offsite hosting).

## Metadata and Data Dictionary Practices

### Metadata Creation

- **Metadata creation and maintenance process:** \*\*

### Metadata Software

- **Metadata software:** \*\*
  - 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:** \*\*

### Metadata Policy

- **Metadata Policy:** \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

### Metadata Creation

- **Metadata creation and maintenance process:** Describe the process for metadata creation and maintenance.

### Metadata Software

- **Metadata software:** Identify the software used to develop and provide access to geospatial metadata (e.g., ArcCatalog, Spatial Metadata Management Software, USGS-developed tools, etc.).
  - State whether the software generates **metadata** consistent with the FGDC Content Standard for Digital Geospatial Metadata (CSDGM) and/or the International Standards Organization (ISO) geographic metadata standard (19115).
- **Metadata fields manually populated:** Specify which, if any, metadata fields you manually populate.

### Metadata Policy

- **Metadata Policy:** If your office has a policy of minimum metadata requirements, describe it or list any mandatory metadata fields.

## Municipal Data Integration Process

- \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

- Describe the process by which municipal data is integrated into the county land information system. If there are exceptional or notable situations regarding municipal data integration at the county-level, describe them. This might include (but is not limited to) the integration of data for municipal parcel polygons and/or tax roll data for municipalities that maintain that data independently of the county.

## Public Access and Website Information

### Public Access and Website Information (URLs)

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

- List websites for public access to land info, **in a table format**, exactly matching the example below.
- This required table must come right after the heading for “Public Access and Website Information/Public Access and Website Information (URLs).” The first of these headings must start at the **top of a fresh page** your final plan document.
- Enter only one URL per cell. Accuracy matters here. These URLs will be aggregated with the other counties and put in the WLIP’s County Contacts document, which end-users of the statewide parcel layer and Robinson Map Library use to find the most current county data sources and contacts.

### 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
<a href="https://juneaucounty.maps.arcgis.com/apps/webappviewer/index.html?id=ba201516e5ed4c289d33150f640fdb2">https://juneaucounty.maps.arcgis.com/apps/webappviewer/index.html?id=ba201516e5ed4c289d33150f640fdb2</a>	<a href="http://www.co.columbia.wi.us/ColumbiaCounty/LandInformation/DownloadableGISData/tabid/3491/Default.aspx">http://www.co.columbia.wi.us/ColumbiaCounty/LandInformation/DownloadableGISData/tabid/3491/Default.aspx</a>	<a href="http://lrs.co.sauk.wi.us/AscentLandRecords/PropertyListing/RealEstateTaxParcel">http://lrs.co.sauk.wi.us/AscentLandRecords/PropertyListing/RealEstateTaxParcel</a>	<a href="https://landshark.co.sauk.wi.us/LandShark/login">https://landshark.co.sauk.wi.us/LandShark/login</a>
** Type URL here, then delete example row (above)	**		

### Single Landing Page/Portal for All Land Records Data

#### URL

<http://www.adamscountylandrecords.com> \*\*

### Web Services/REST End Points

#### URL

<https://gismap.co.juneau.wi.us/server/rest/services> \*\*

### Single Landing Page/Portal for All Land Records Data

- If your county has one single URL that provides access to **\*all\*** land records functions, provide the URL in the Single Landing Page table. This page would link to **all** four of the areas in the “Public Access and Website Information” table above, and possibly other areas—like zoning, PLSS tie sheets, etc.
- If county does not have a single landing page/portal, delete the table entirely.

#### Add for 2021:

#### Web Services/REST End Points

- If your county offers web services or REST end points, list the primary or landing URL.

### Municipal Website Information

Municipal Website	Municipal Website URL
City of Janesville GIS Web Map	<a href="http://www.ci.janesville.wi.us/government/departments-divisions/public-works/planning-services/mapping-services/gis-website-disclaimer">http://www.ci.janesville.wi.us/government/departments-divisions/public-works/planning-services/mapping-services/gis-website-disclaimer</a>
** Type URL here, then delete example row (above)	**

### Municipal Website Information

- In this **optional section**, you may also optionally add a table/list for municipal websites serving land info data that are maintained or sponsored by municipalities within your county.
- If applicable, note any municipalities which display county data by accessing county servers (e.g., through county REST end points).
- Delete the municipal table entirely if you do not wish to use it.

## Data Sharing

### Data Availability to Public

#### Data Sharing Policy

- \*\*

#### Open Records Compliance

- \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

#### Data Sharing Policy

- Describe your data sharing policy with the public.
- Provide a URL/hyperlink for any official policies adopted by the county that address land records **search** or **access** by members of the public.

#### Open Records Compliance

- Identify your efforts to comply with Wisconsin's Open Records Law.

### Data Sharing Restrictions and Government-to-Government Data Sharing

#### Data Sharing Restrictions

- \*\*

#### Government-to-Government Data Sharing

- \*\*

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#### Data Sharing Restrictions

- List and describe any restrictions on data distribution, search, download, or data privacy policies, as well as how or where members of the public are able to learn about any data restrictions.
- (This does not include non-public personal information or data otherwise prohibited from public sharing by state or federal statute.)

#### Government-to-Government Data Sharing

- Describe any government-to-government data sharing policies and practices, if applicable. Delete this section if not applicable.

### Training and Education

- \*\*

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- Describe, in as much detail as is appropriate, the county's strategy for training and education concerning the county's land information system.

**\*\*END OF CHAPTER 3\*\***

# 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.

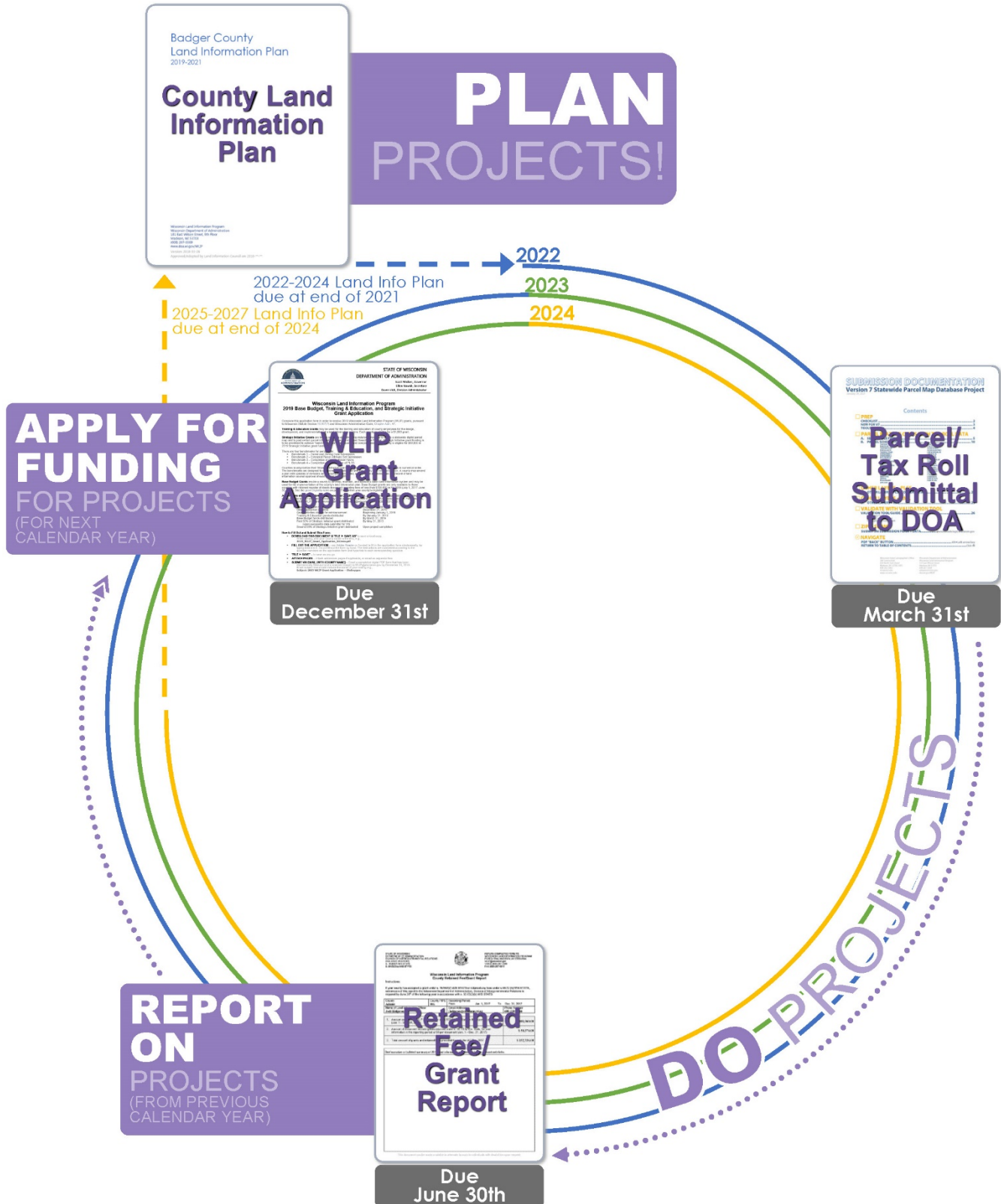


Figure 1. The WLIP Land Information Plan/Grant Project Cycle



**\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\***

You may either choose to delete the graphic from the previous page, or you can leave it in your final document, if you think it will be helpful for members of your audience.

**\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\***

This chapter lists the current and future land information projects the county is currently undertaking or intends to pursue over its planning horizon.

For each project, identify:

## **Project Title**

- **Project Description/Goal**
  - **(with Land Info Spending Category)**
- **Business Drivers**
- **Objectives/Measure of Success**
- **Project Timeframes**
- **Responsible Parties**
- **Estimated Budget Information**

### **Technology Projects**

- If your county foresees or has major technology projects planned, list them in this chapter as a project.

### **Open Data Projects**

- We welcome and encourage you to include an “Open Data” project in your land information plan in order to make your county GIS data freely and openly available on your county website. The Wisconsin Land Information Council (WLIC) has encouraged the same, by way of a data sharing motion passed on 03/24/2016. However, there are no “requirements” for an open data project. The place where you can find all of the grant project requirements is the grant application document and parcel Submission Documentation.

### **Project Amendments**

- Remember plans can be amended in the future should other significant projects arise.
- You may need to amend this plan in the future, if you apply for WLIP grant funding for projects that are not yet listed in the county land information plan.

### **Order of Projects in This Plan Document**

Projects should be listed in the following order:

- **Projects on Benchmark Work**
  - Project Plan to Maintain Searchable Format (Benchmarks 1 & 2)
  - Project Plan for Parcel Completion (Benchmark 3)
  - Project Plan for PLSS (Benchmark 4)
  - \*Do not include these project sections if they are not applicable.
- **Projects**
  - Project #1
  - Project #2
  - Project #3
  - Project #4
  - Project #5 . . . and so forth. You can have as many projects as you need.
  - Completed Projects (optional)

## **\*\* Subheadings for Project Sections \*\***

**\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\***

### **Project Title**

- Give the project a concise but descriptive title.
  - Ideally, this will match the project title in the WLIP grant application (for upcoming years).
  - The same project will be reported on in the Retained Fee/Grant Report.

### **Project Description/Goal**

- Describe the project or project goal in 1-3 sentences.
- Select the primary Land Info Spending Category.
  - List the primary Land Info Spending Category for the project. Although a project may fit into multiple categories, you will have to select **one** primary land information spending category in the WLIP grant application and Retained Fee Grant Report.

#### **Land Info Spending Categories**

Digital Parcel Mapping  
PLSS  
Other Parcel Work  
Lidar  
Orthoimagery  
Address Points  
Street Centerlines  
Software  
Hardware  
Website Development/Hosting Services  
Administrative Activities and Management  
Training and Education  
Other (Specify)

### **Business Drivers**

- List the business drivers for the project, including the departments affected.

### **Objectives/Measure of Success**

- Describe the objective/measure of success for the project and any defined completion milestone(s).

### **Project Timeframes**

- Provide the start and end dates for the project, as well as any significant milestone dates. The timeline can be in table format.

### **Responsible Parties**

- List the staff responsible for the various aspects of the project, including in-house staff and any third-party contractors/vendors.

### **Estimated Budget Information**

- This section gives an estimated budget for project costs, and the source of funding to be used.
- This is a projected, estimated budget to aid planning efforts.
- The WLIP understands that budgeting requires some flexibility. It is certainly acceptable if new funding opportunities or new projects arise after the plan is approved. Plans can be amended to include new projects if necessary. See the grant application *Instructions for Amending Grant Projects*.
- Individual cost information can be presented for each project, or the overall budget for all projects combined can be provided in one single table at the end of Chapter 4 (as in the example at the end of this chapter).
- **Budget – Ongoing Costs Not Associated with a Specific Project.** You may include in a budget table for “Ongoing Costs,” which are costs not associated with a specific project. This may include ongoing technology expenditures like software licenses or staffing costs for general tasks like production of maps for other county departments and responding to public requests for GIS data.

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

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

### Project Description/Goal

#### How Searchable Format Will Be Maintained

- \*\*

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- You must include the **Project Plan to Maintain Searchable Format (Benchmarks 1 & 2)** section if you foresee utilizing Strategic Initiative funding for parcel/tax roll formatting to prepare the data submission to DOA.
- If you will not use future Strategic Initiative funds for maintaining the Searchable Format, you may delete this entire section, including the section heading. Do not include this section if it is not applicable.

**How Searchable Format Will Be Maintained**

- Describe how county will maintain the searchable format for both Benchmark 1 and 2 each year.
- See the Submission Documentation for details on the Searchable Format.
- Note: LIO certification required 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. 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.

### Business Drivers

- The Project Plan to Maintain Searchable Format for Benchmarks 1 & 2 is a requirement for those counties who utilize Strategic Initiative funds for parcel/tax roll formatting to prepare the data submission to DOA.

- \*\*

\*\*DELETE THIS FROM THE FINAL DOCUMENT\*\*

- The Project Plan to Maintain Searchable Format is a requirement for those counties who utilize Strategic Initiative funds for parcel/tax roll formatting to prepare the data submission to DOA.
- List any other business drivers for the project, including the departments affected.

### 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).

- \*\*

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- The objective is to meet the Searchable Format for Benchmarks 1 & 2 (Parcel and Zoning Data Submission, Extended Parcel Attribute Set Submission).
- Describe any other objectives/measures of success for the project and any defined completion milestone(s).

### Project Timeframes

**Timeline – Project Plan to Maintain Searchable Format**  
\*\*Example\*\*

Milestone	Duration	Date
Project start	–	January 1, 2022
Gather data	1 month	January 1-30, 2022
Contractor formats data	1 month	February 1-28, 2022
Project complete	–	March 1, 2022

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**Project Timeframes**

- Provide the start and end dates for the project, as well as any significant milestone dates.

## Responsible Parties

● \*\*

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- List the staff responsible for the various aspects of the project, including in-house staff and any third-party contractors/vendors.

## Estimated Budget Information

- See table at the end of this chapter for project budget information.

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- You can provide project budget information either individually, or combine the budget for all projects and note "See table at the end of this chapter for project budget information."

# Project Plan for Parcel Completion (Benchmark 3)

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

### Project Description/Goal

#### Current status of parcel data

- **Current status of parcel data in the county:** \*\*
- **Tally of the total number of parcels in digital format:** \*\*
- **Estimated number of parcels yet to be digitized:** \*\*

#### Goals

- **Number of parcels to be added for the grant project period(s):** \*\*

#### Planned approach

- \*\*

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- You must include a **Project Plan for Parcel Completion (Benchmark 3)** section if the county has yet to complete digital parcel mapping for the entire county. This section likely only applies to the counties of **Buffalo, Burnett, and Crawford**.
- If your county has reached "maintenance mode" of its digital parcel map, do not include this section. Do not include this section if it is not applicable.

#### Current status of parcel data

- **Current status of parcel data in the county:** Specify.
- **Tally of the total number of parcels in digital format:** Specify.
- **Estimated number of parcels yet to be digitized:** Specify.

#### Goals

- **Number of parcels to be added for the grant project period(s):** Specify.

#### Planned Approach

- **Planned approach for completing the parcel fabric:** Explain.
  - Note. PLSS first approach is an option. Some counties have a plan in place to complete PLSS remuneration before completing the parcel fabric in a given area. Counties have the option of adopting a "PLSS first approach," where PLSS is prioritized in areas not covered by the parcel fabric. If selecting a PLSS first approach, explicitly note this in the **Project Plan for PLSS (Benchmark 4)**, described below.

### Business Drivers

- The Project Plan for Parcel Completion is a requirement for those counties who utilize Strategic Initiative funds for work related to digital parcel map completion.
- \*\*

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- The Project Plan for Parcel Completion is a requirement for counties who utilize Strategic Initiative funds for work related to digital parcel map completion.
- List any other business drivers for the project, including the departments affected.

### Objectives/Measure of Success

- The objective is to meet Benchmark 3 (Completion of County Parcel Fabric) by \_\_\_\_\*\*date.
- \*\*

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- The objective is to meet Benchmark 3 (Completion of County Parcel Fabric) by \*\*date.
- Describe any other objectives/measures of success for the project and any defined completion milestone(s).

### Project Timeframes

- \*\*

### Responsible Parties

- \*\*

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- List the staff responsible for the various aspects of the project.

### Estimated Budget Information

- See table at the end of this chapter.

## Project Plan for PLSS (Benchmark 4)

### Project Title: Project Plan for PLSS (Benchmark 4)

#### Project Description/Goal

##### Planned Approach

- \*\*

##### 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.

##### Goals

- **Number of corners to be remonumented and/or rediscovered:** \*\*
- **Number to have new coordinates established:** \*\*
- **Accuracy class for these new coordinates:** \*\*
- **Way in which these points will be integrated into the parcel fabric:** \*\*

##### Missing Corner Notes

- **Documentation for any missing corner data:** \*\*
- 

##### County Boundary Collaboration

- \*\*

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- You must include this section if the county has yet to complete/reach “maintenance mode” for PLSS completion and integration.
- If your county has reached “maintenance mode,” delete this entire section, including the section heading. Do not include this section if it is not applicable.

##### Planned Approach

- 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.

##### Current Status

- You may answer the Current Status questions with “See PLSS Layer Status table in Chapter 2.”
- Current status of PLSS data in the county including:
  - Tally of the total number of corners
  - Their remonumentation status
  - Their coordinate status (accuracy class) if known.

Coordinate 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

##### Goals

- Goals for the grant project period(s), including:
  - Number of corners to be remonumented and/or rediscovered
  - Number to have new coordinates established
  - Accuracy class for these new coordinates
  - Way in which these points will be integrated into the parcel fabric

##### Missing Corner Notes

- Documentation for any missing corner data. Often these will be justifiable exclusions, such as meander corners, corners on public forest land, etc.

##### County Boundary Collaboration

- Efforts to collaborate with neighboring counties. Explain.
  - In what ways **will** your county collaborate with or plan to collaborate with neighboring counties for PLSS updates on shared county borders?

## Business Drivers

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

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- The Project Plan for PLSS is a requirement for those counties who utilize Strategic Initiative funds for work related to PLSS completion and integration.
- List any other business drivers for the project, including the departments affected.

## Objectives/Measure of Success

- The objective is to meet Benchmark 4 (Completion and Integration of PLSS) by \_\_\_\_\*\*date.
- \*\*

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- The objective is to meet Benchmark 4 (Completion of and Integration of PLSS) by \*\*date.
- Describe any other objectives/measures of success for the project and any defined completion milestone(s).

## Project Timeframes

Timeline – Project Plan for PLSS <b>**Example**</b>		
Milestone	Duration	Date
Project start	–	January 1, 2022
Hire contractor	1 month	January 1-31, 2022
Contractor remonumentation	1 year	Feb 1, 2019-Feb 1, 2023
Project complete	–	February 1, 2023

## Responsible Parties

- \*\*

## Estimated Budget Information

- See table at the end of this chapter.

## \*\* Project – Example/Template \*\*

### Project #1: Indexing of documents by geography in GIS

#### Project Description/Goal

- To expand the use of document imaging and GIS to “geocode” documents to geography (such as permits) and make them available to the public via the Internet.
- **Land Info Spending Category:** Other Parcel Work

#### Business Drivers

- County business data lacks detailed location information, making it less useful
- County land information system contains some ambiguous addresses
- Increase efficiency of Zoning Department with geocoded permits
- Call-Before-You-Dig hotline lacks detailed location information
- Need to improve routing and delivery of Social Services Department
- County surveyor need to access tie sheets in the field

#### Objectives/Measure of Success

- Permits 100% geocoded
- Geographically indexed apps available on the county website

#### Project Timeframes

Timeline – Project #1 Title		
Milestone	Duration	Date
Project #1 start	–	May 1, 2022
Index permits	1 month	May 1–June 30 2022
Index tie sheet and other records	4 months	June 1–Sept 30, 2022
Build apps	3 months	Oct 1–Dec 31, 2022
Project complete	–	Dec 31, 2022

#### Responsible Parties

- GIS technician (75%), Contractor to input data for index (25% for 3 months)
- Estimated Budget Information
- See table at the end of this chapter.

### Project #2: Title

#### Project Description/Goal

- \*\*
- Land Info Spending Category: \*\*

#### Business Drivers

- \*\*

#### Objectives/Measure of Success

- \*\*

#### Project Timeframes

- \*\*

#### Responsible Parties

- \*\*

#### Estimated Budget Information

- See table at the end of this chapter.

### Project #3: Title

#### Project Description/Goal

- \*\*



- Land Info Spending Category: \*\*

## Business Drivers

- \*\*

## Objectives/Measure of Success

- \*\*

## Project Timeframes

- \*\*

## Responsible Parties

- \*\*

## Estimated Budget Information

- See table at the end of this chapter.

## Project #4: Title

### Project Description/Goal

- \*\*
- Land Info Spending Category: \*\*

### Business Drivers

- \*\*

### Objectives/Measure of Success

- \*\*

### Project Timeframes

- \*\*

### Responsible Parties

- \*\*

### Estimated Budget Information

- See table at the end of this chapter.

## Project #5: Title

### Project Description/Goal

- \*\*
- Land Info Spending Category: \*\*

### Business Drivers

- \*\*

### Objectives/Measure of Success

- \*\*

### Project Timeframes

- \*\*

### Responsible Parties

- \*\*

### Estimated Budget Information

- See table at the end of this chapter.

## Project #6: Title

### Project Description/Goal

- \*\*
- Land Info Spending Category: \*\*

### Business Drivers

- \*\*

### Objectives/Measure of Success

- \*\*

## Project Timeframes

- \*\*

## Responsible Parties

- \*\*

## Estimated Budget Information

- See table at the end of this chapter.

## Project #7: Title

### Project Description/Goal

- \*\*
- Land Info Spending Category: \*\*

### Business Drivers

- \*\*

### Objectives/Measure of Success

- \*\*

### Project Timeframes

- \*\*

### Responsible Parties

- \*\*

### Estimated Budget Information

- See table at the end of this chapter.

## Project #8: Title

### Project Description/Goal

- \*\*
- Land Info Spending Category: \*\*

### Business Drivers

- \*\*

### Objectives/Measure of Success

- \*\*

### Project Timeframes

- \*\*

### Responsible Parties

- \*\*

### Estimated Budget Information

- See table at the end of this chapter.

## Project #9: Title

### Project Description/Goal

- \*\*
- Land Info Spending Category: \*\*

### Business Drivers

- \*\*

### Objectives/Measure of Success

- \*\*

### Project Timeframes

- \*\*

### Responsible Parties

- \*\*

## Estimated Budget Information

- See table at the end of this chapter.

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### To Add More Projects (Project #9, #10, etc.)

- Copy and paste a blank project section. Text in the document formatted as *Heading 1* and *Heading 2* shows up in this document's Table of Contents. Alter the headings and styles as you wish. In Chapter 4, if you put your cursor next to each "Project Title" and select Style ► *Heading 2*, your projects will show in the Table of Contents.
- It is helpful for DOA staff if you keep *Heading 1* and 2 so they show in Table of Contents, and helpful if \*all\* projects are displayed in the Table of Contents.
- **Delete** any unused project sections.

## Completed Projects

- \*\*

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- You may include an **optional section** for "Completed Projects" which might simply be a list or table of projects the county has accomplished since the last time the county land information plan was updated.
- Delete this entire section, including the section heading, if this section is not applicable.

**\*\* Estimated Budget Information – Example \*\***

**Estimated Budget Information (All Projects)**

**Estimated Budget Information**

<b>Project Title</b>	<b>Item</b>	<b>Unit Cost/Cost</b>	<b>Land Info Plan Citations</b> <small>Page # or section ref.</small>	<b>Project Total</b>
<b>1) Indexing of documents to geography in GIS</b>	GIS technician position	75% of \$60,000 = 45,000	Page 38 (**providing these references here will make it easier for you to fill out the next grant application)	-
	GIS contractor from Company XYZ	\$10,000		-
				<b>55,000</b>
<b>2) Countywide integration of tax/assessment data with parcel polygons</b>	Real Property Lister position	25% of \$60,000 = 15,000		-
				<b>15,000</b>
<b>3) 100% PLSS remonumentation with survey grade GPS coordinates</b>	Surveyor position	25% of \$60,000 = 15,000		-
	GPS unit	20,000		-
				<b>45,000</b>
<b>4) Project #4</b>				
<b>5) Project #5</b>				
<b>6) Project #6</b>				
<b>7) Project #7</b>				
<b>8) Project #8</b>				
<b>GRAND TOTAL</b>				<b>115,000</b>

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

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## END OF DOCUMENT

1. Save your work.
2. Update the **Table of Contents** on page 2
3. Update the **Version** date on cover page. The “Version” date on the first page should be manually updated when you save the document. You will need to manually change the Version line for each draft, version, and amendment.
4. Save document as a **PDF file—with working hyperlinks** if possible.
  - a. If Adobe Acrobat plug-in is installed/enabled in Word, make sure you go to “Preferences” and check “Add Links”
  - b. File ► Print ► Select “Adobe PDF” as your printer ► Check to confirm working links
  - c. File ► Save as Adobe PDF ► Check to confirm working links
5. Re-name the PDF of your plan following this naming convention for draft/final versions:
  - a. **Badger\_County\_Land\_Info\_Plan\_2021\_DRAFT**
  - b. **Badger\_County\_Land\_Info\_Plan\_2021\_FINAL**
6. Submit the final plan.
  - a. Upload at [www.sco.wisc.edu/parcels/upload](http://www.sco.wisc.edu/parcels/upload)  
(This is the alternative upload page for the Wisconsin Statewide Parcel Map Initiative. This is where you should upload your plan.)
7. Plan to do a voluntary review of two peer’s plans when they are made available to you. Wait for an email from DOA with details.
8. Allow one month for DOA grant administrator to review your plan.
9. Implement revisions from DOA, and your peers as deemed appropriate.
10. Secure county Land Information Council approval.
  - a. Often this takes the form of a vote at a **council meeting** (which you may need to **schedule in advance**).
  - b. Attach either:
    - the meeting minutes and/or
    - any resolution adopted/approved
      - you may wish include them as an appendix to the final plan PDF  
(or email them to DOA separately)
  - c. County board approval is encouraged but not required
11. Submit the final plans with documentation of county land information council approval by December 31, 2021.
12. To amend a plan in 2022 or beyond, reference the WLIP grant application page 2, [Instructions for Amending Grant Projects](#)

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