

**DODGE COUNTY LAND INFORMATION COUNCIL MEETING**  
**January 19, 2018**

Members Present: Patti Hilker, Dave Addison, Chris Planasch, Bill Ehlenbeck, Dianne Bell

Excused: Mike Canniff, Dale Schmidt, Brian Field, John Bohonek, Allen Behl

Also Present: Jesse O'Neill

The Dodge County Land Information Council meeting was called to order by Chair Patti Hilker at 9:10 A.M., Room 3A, Dodge County Administration Building, 127 E. Oak Street, Juneau, Wisconsin. Roll call was taken and a quorum verified. It was confirmed that requirements of Wisconsin's Open Meetings law had been met.

No comments were received from the public regarding council business.

Addison motioned, second by Ehlenbeck to allow the Chair to go out of order as needed to efficiently conduct the meeting. Motion carried.

Planasch motioned, seconded by Bell to approve minutes from the July 14, 2017 Council meeting. Motion carried.

Ehlenbeck distributed and reviewed information on the \$50,000 WLIP grant awarded to develop layer for building footprints, which will be done by Woolpert, Inc. by summer 2018. Addison reported on details of the project and benefits to many departments and the public. Ehlenbeck reported a 2018 budget adjustment is needed for the building footprint project and he is working through the remaining approval process after approval by the Land Information Committee today.

Addison presented the proposed amendments to the County Land Information Plan 2016-2018 address building footprint project as well as the planned parcel mapping and maintenance conversion from AutoCAD to Esri. Ehlenbeck reported on a planned carryover request of available 2017 funds to commit to the conversion project. The request will go to February Finance Committee meeting, to be acted on by the County Board. Ehlenbeck motioned, second by Planasch to approve the amendments to the Dodge County Land Information Plan: 2016-2018, as attached on Exhibit A of these minutes. Motion carried.

Addison and Ehlenbeck gave those in attendance a status report on LIMS. The GCS Permit Tracking Module is currently not functioning and cannot be utilized at all by staff. At a previous meeting, it was decided to pay GCS all but the cost of the Permit Tracking Module, and to hold those funds until Dodge County is able to utilize the program as purchased.

O'Neill discussed the spring 2017 ortho-imagery and LiDAR products and the current availability of the new aerials on the website.

Ehlenbeck informed the council that the Dodge County Land Information Plan: 2019-2021 will be drafted once information is received by the State of Wisconsin, and will be brought to the next council meeting for possible action.

Bell motioned, second by Planasch to adjourn the meeting at 10:02 A.M. Motion carried. The next meeting date will be determined by need. The Council's regular meeting date is the second Friday of the month immediately following the Dodge County Land Information Committee meeting.

Respectfully Submitted,

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Patti K. Hilker  
Land Information Council Chair/Secretary

**Disclaimer: The above minutes may be approved, amended or corrected at the next Council meeting.**

DRAFT

# Dodge County Land Information Plan 2019-2021

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

Version: 2018-12-12

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

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# EXECUTIVE SUMMARY

**About this Document.** This document is a land information plan for Dodge County prepared by the land information officer (LIO) and the Dodge 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 2017, Dodge County was awarded \$51,000 in WLIP grants and retained a total of \$106,528 in local register of deeds document recording fees for land information.

This plan lays out how funds from grants and retained fees will be prioritized. However, as 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 Dodge 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 Dodge 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, Dodge 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>Dodge County Land Information Projects: 2019-2021</b>	
<b>Project Plan</b>	<b>Meet Benchmarks 1 &amp; 2 for Version 5 (V5) Statewide Parcel Map in Searchable Format (2019). Meet Benchmarks for future versions (V6 and beyond) (2020-2021)</b>
<b>Project #1</b>	<b>Continue enhancements to integrated tax/assessment/permitting/public access system (Land Information Management System-LIMS)</b>
<b>Project #2</b>	<b>Continuation of the Tax Parcel Mapping Improvement Project to improve accuracy of mapping in cities and villages (Phase III) within Dodge County</b>
<b>Project #3</b>	<b>Development and coordination of countywide including development of accurate point address layer</b>
<b>Project #4</b>	<b>Continued support of Dodge County Sheriff’s Office (DCSO) including Communications Center, Crash and Crime Scene Investigation Team, Child Abduction Response Team (CART), requested GIS mapping, application development and GIS data management</b>
<b>Project #5</b>	<b>GIS Web Mapping Tool Enhancements (ADC developed and hosted)</b>
<b>Project #6</b>	<b>Imaging and Indexing of Permit Files for Code Administration</b>
<b>Project #7</b>	<b>GIS Support of Parks and Trails</b>
<b>Project #8</b>	<b>Mobile Field Data Collection</b>
<b>Project #9</b>	<b>Building footprints</b>

<b>Project #10</b>	<b>Continued in-house development, publication and distribution of the Dodge County Plat Book</b>
<b>Project #11</b>	<b>Implement the Esri Parcel Fabric Data Model and Esri's Local Government Information Model</b>
<b>Project #12</b>	<b>Development of user specific GIS applications</b>
<b>Project #13</b>	<b>Continued support of Dodge County Emergency Management including GIS mapping, application development and GIS data management</b>
<b>Project #14</b>	

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

# 1 INTRODUCTION

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

## The WLIP and the Land Information Plan Requirement

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

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

## LAND INFORMATION

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

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

– Wis. Stats. section 59.72(1)(a)

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

## Act 20 and the Statewide Parcel Map Initiative

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

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

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

### WLIP Benchmarks (For 2016-2018 Grant Years)

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

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

## County Land Information System History and Context

In 1990, the Chairman of the Dodge County Board of Supervisors appointed the County Administrative Secretary and several department heads to serve on an ad hoc committee (informally referred to as the Land Information Office) to guide the direction of the land modernization effort in Dodge County. The membership included the County Administrative Secretary, Land Conservationist, County Surveyor, Highway Commissioner, IT Director, and Director Planning and Economic Development. The first Dodge County Land Records Modernization Plan was prepared and submitted by this group to the Wisconsin Land Information Board (WLIB) in March 1992 for approval. Updated Plans have subsequently been developed and adopted by the Dodge County Board of Supervisors in 1999 (WLIB approval 09/15/1999), 2005 (DOA approval under the LIO Peer Review Process), 2010 (DOA approval under the LIO Peer Review Process) and 2015 (DOA approval under the LIO Peer Review Process).

To address the successful implementation and completion of the goals originally set forth in the 1992 Land Information Modernization and Integration Plan, the Dodge County Board of Supervisors created a Land Information Committee in March 1998 (Resolution 97-111). This committee was composed of five (5) members to “be responsible for land records modernization to promote and facilitate timely access to information, decisions based upon accurate information, and efficiency in government”. The committee’s primary goal was to oversee the establishment of an integrated, technologically sound, countywide land information system for Dodge County. This committee was a standing committee of the Dodge County Board of Supervisors.

In that same resolution, the Dodge County Board of Supervisors created the Land Information Department. This department was established to coordinate land information projects within the County, between the County and local government units, between the state and local government units, among local government units, the federal government and the private sector; assuming all responsibilities of the original Land Information Office established in 1992. In 2004, survey services and tax parcel mapping activities were assigned to the Land Information Department by County Board Resolution. The membership of the original Land Information Office served in an advisory role to the Land Information Committee as the Land Information Advisory Committee (LIAC). Voting members included Register of Deeds, Sheriff, Land Conservationist, Treasurer, Highway Commissioner, and Director Planning, Development and Parks. The list of non-voting member departments included IT, Emergency Management, UW-Extension and Land Information.

In March 2006, the Dodge County Board of Supervisors created the Land Resources and Parks Department (Resolution 05-97). The resolution reorganized and combined the activities of the Planning, Development & Parks Department, Land Information Department (with associated GIS, Survey and Tax Mapping responsibilities), and the Property Description Office. The new department was organized into four divisions: Code Administration, Planning and Economic Development, Parks and Trails, and Land Information (comprising all GIS Mapping and Services, Survey, Tax Mapping and Property Description).

In August 2018, the Dodge County Board of Supervisors approved a reorganization of the Department (Resolution 18-30) creating the positions of Manager of Land Information and GIS Administrator. The Land Information Officer currently serves as the Manager of Land Information and is the immediate supervisor of the Land Information Division.

## County Land Information Plan Process

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



## Plan Participants and Contact Information

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

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

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

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

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

Badger County Land Information Council and Plan Workgroup				
Name	Title	Affiliation	Email	Phone
+ Chris Planasch	Register of Deeds,	Dodge County Register of Deeds Office	cplanasch@co.dodge.wi.us	920-386-3722
+ Patti Hilker	County Treasurer	Dodge County Treasurer's Office	philker@co.dodge.wi.us	920-386-3783
+ David Addison	Real Property Lister/Land Information Officer (LIO)	Land Resources and Parks Department	daddison@co.dodge.wi.us	920-386-3773
+ Larry Schraufnagel	County Board Member	County Board Supervisor	district16@co.dodge.wi.us	920-269-4748
+ Allen Behl	County Board Member	County Board Supervisor	district19@co.dodge.wi.us	920-925-3846
+ Dianne Bell	Realtor	Dodge County Realtors Association	belld@prgSOLD.com	920-887-1773
+ Dale Schmidt	Sheriff (Public Safety Officer)	Dodge County Sheriff's Office	dschmidt@co.dodge.wi.us	920-386-4115
+ Mike Canniff	County Surveyor	Land Resources and Parks Department	mcanniff@co.dodge.wi.us	920-386-3803
+ John Bohonek	County Conservationist	Land and Water Conservation Department	jbohonek@co.dodge.wi.us	920-386-3660
+ Bill Ehlenbeck	Director of Land Resources and Parks (LRP)	Land Resources and Parks Department	behlenbeck@co.dodge.wi.us	920-386-3960
+ Brian Field	Highway Commissioner	Dodge County Highway Department	bfield@co.dodge.wi.us	920-386-3653
James Mielke	County Administrator/IT Director	County Administrator/IT Department	jmielke@co.dodge.wi.us	920-386-4251
Jesse O'Neill	GIS Administrator	Land Resources and Parks Department	joneill@co.dodge.wi.us	920-386-3706
Steven J. Noe	Senior Cartographer	Land Resources and Parks Department	snoe@co.dodge.wi.us	920-386-3775
Joe Giebel	Code Administrator	Land Resources and Parks Department	jgiebel@co.dodge.wi.us	920-386-3711
Nate Olson	Planning and Economic Development Administrator	Land Resources and Parks Department	nolson@co.dodge.wi.us	920-386-3948
Dennis Walston	Sergeant	Dodge County Sheriff's Office	dwalston@co.dodge.wi.us	920-386-4032

<b>Amy Nehls</b>	Director Emergency Management	Emergency Management Department.	anehls@co.dodge.wi.us	920-386-3999
<b>Richard Leistikow</b>	Senior Survey and Mapping Specialist	Land Resources and Parks Department	rleistekow@co.dodge.wi.us	920-386-3774
<b>Nicole Hoepfner</b>	Land Information Specialist	Land Resources and Parks Department	nhoepfner@co.dodge.wi.us	920-386-3772

+ Land Information Council Members designated by the plus symbol

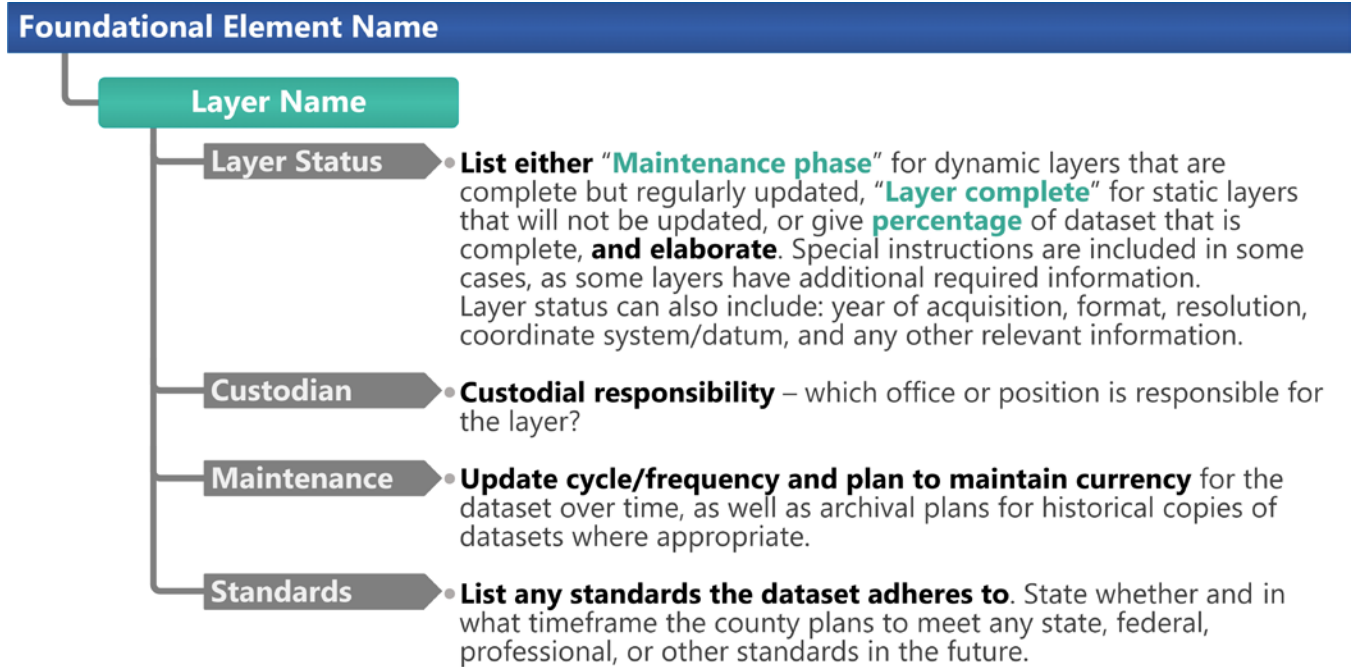
# 2 FOUNDATIONAL ELEMENTS

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

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

## FOUNDATIONAL ELEMENTS

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



# PLSS

## Public Land Survey System Monuments

### Layer Status

#### PLSS Layer Status

	Status/Comments
Number of PLSS corners (selection, ¼, meander) <b>set in original government survey</b> that can be remonumented in your county	3013; this number excludes Center ¼'s as Center's were not set in original government survey (Note: 3972 total PLSS corners in Dodge County). Any corners that have not been re-established are primarily located in Horicon Marsh and submerged portions of Beaver Dam Lake and may never need to be re-established
Number and percent of PLSS corners capable of being remonumented in your county that <b>have been remonumented</b>	2791 (93%) of original PLSS corners have been remonumented (Note: 3370 of total 3972 PLSS corners in Dodge County have been monumented)
Number and percent 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> </ul>	2791 (100%)
Number and percent of survey grade PLSS corners integrated into county digital parcel layer	2918 (100%) of PLSS corners set in original government survey (Note: 3749 PLSS corners of 3958 total corners)
Number and percent of non-survey grade PLSS corners integrated into county digital parcel layer	0 (0%)
Tie sheets available online?	Yes – SCO Survey Control Finder at <a href="https://maps.sco.wisc.edu/surveycontrolfinder/#7/44.731/-90.148/NGS,county,USGS,CORS/terrain">https://maps.sco.wisc.edu/surveycontrolfinder/#7/44.731/-90.148/NGS,county,USGS,CORS/terrain</a>
Percentage of remonumented PLSS corners that have <b>tie sheets available online</b> (whether or not they have corresponding coordinate values)	100%
Percentage of remonumented PLSS corners that have tie sheets available online (whether or not they have corresponding coordinate values) <b>and a corresponding URL path/hyperlink value</b> in the PLSS geodatabase	0% currently have the URL path/hyperlink value in the PLSS geodatabase, however, those hyperlinks are currently available in our CAD mapping and we hope to get converted soon
PLSS corners believed to be remonumented based on filed tie-sheets or surveys, but do not have coordinate values	0
Approximate number of PLSS corners believed to be lost or obliterated	225 (primarily in Horicon Marsh and submerged portions of Beaver Dam Lake as well as various Meander corners)
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)?	Dodge County developed our own point ID numbering system in the early 1990's. Any point id corresponds to the congressional township and section that it appears in with sections to the north and west taking precedence over sections to the south and east. Each section will have a minimum of four points and sections 1-6 can have a maximum of six points, depending on common corners with the section to the north. All point ids will be five digits in length with the first two digits corresponding to the congressional township. Digits three and four relate to the section number and the fifth digit to the section corner. To commence numbering corners within a section, begin at the center of section, then to the south quarter corner, and then counter-clockwise to the southeast corner and so on. Computed closing corners on the north of sections 1-6 will show a '9' in the third digit. This shows that the corner was computed to the south line of the town line to the north.
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?	No
Total number of PLSS corners along each bordering county	286 (Columbia, Dane, Fond du Lac, Green Lake, Washington and Waukesha Counties) (Note: Dodge County has approximately 121 miles bordering our neighboring counties)
Number and percent of PLSS corners remonumented along each county boundary	100%
Number and percent of remonumented PLSS corners along each county boundary with survey grade coordinates	286 (100%)

In what ways does your county collaborate with or plan to collaborate with neighboring counties for PLSS updates on shared county borders?	Yes, we currently collaborate with all six (6) neighboring counties for PLSS updates. Our office shares tie sheets with the adjoining county surveyors whenever work is done on county line PLSS corners. Concerning coordinates, there are issues with Jefferson and Washington counties as they publish coordinates in SPC NAD27. In the past, to get Dodge County coordinates on those county line monuments, our office has located and measured those monuments. With the other adjoining counties, coordinates do not come up as an issue since they are using county coordinate systems. The only question that comes up is what adjustment of NAD83 is each county using
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### Custodian

- Senior Land Surveyor, Dodge County Land Resources and Parks Department, Land Information Division, Survey Office

### Maintenance

- State, County, Township and City road projects continue to destroy PLSS monumentation throughout Dodge County. State and County highway departments notify our office of upcoming highway projects that may disturb, damage, or destroy corner monumentation. Early each summer the Land Information Committee contacts Town Chairman to find out what roads they plan to maintain and indicate which corners may be destroyed; this list is added to our maintenance list along with reports received from private surveyors, and county staff during field work. This program has been very successful and has helped greatly in obtaining prior knowledge of locations of damaged or destroyed corners located in the right of way (R/W).
- Local surveyors and landowners often notify our office of PLSS monuments that have been disturbed or are in need of maintenance. These corners are added to our maintenance list.
- FREQUENCY OF MAINTENANCE
- As a rule, we try to make a field inspection of off-road PLSS corners once every 30 years. PLSS corners located within the road and within the road R/W are inspected once every 10 years. Field inspection involves checking for correct location of monument, condition of monument and accessories, and proper signage.
- Continue maintenance on PLSS corners with new tie sheets appended to the original tie sheet to maintain a chain of record for the occupation or maintenance of the corner. Continue to file survey maps and maintain survey index.

### 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

## Other Geodetic Control and Control Networks

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

### Layer Status

- In 1993, Dodge completed densification of the High Accuracy Reference Network (HARN) as part of a tri-county project with Jefferson and Rock Counties to the tertiary level using GPS technology and the Wisconsin State Department of Transportation standards. This effort was the first high accuracy reference network (HARN) installed in the state of Wisconsin and possibly the nation. The countywide network consists of 76 pairs (152 points) of geodetic control monuments distributed throughout the County at approximately three (3) mile

intervals. The network is referenced to current and superceded realizations of North American Datum of 1983. Vertical elevation data is based on and reference the North American Vertical Datum of 1988 (NAVD 88). Values are reported in Dodge County Coordinates.

#### Custodian

- WiDOT-Geodetic Survey Unit
- Dodge County Land Resources and Parks Department, Land Information Division, Survey Office-Senior Land Surveyor- Local Control

#### Maintenance

- As warranted

#### Standards

- Standards for Geodetic Reference Systems
- FGDC standards and specifications [Chapter 236.18 Wisc. Stats]
- WLIB Specifications and Guidelines to Support Densification of the WI High Accuracy Reference Network (HARN) Using Global Positioning System (GPS) Technology- June, 1995.
- Standards for Public Land Survey System Corners
  - o Corner Remonumentation [Sec. 59.74; Sec. 60.84 (3)(c) Wisc. Stats]
  - o Remonumentation Records [Sec. 59.74 Wisc. Stats and Wisc. Admin. Code AE 7.08 (2)]
  - o Coordinate Values [FGDC Third Order Class I]
- Standards for Geographic Control Data [FGDC Third Order II for Horizontal Coordinate Values and Third Order for elevation Values]

## Parcel Mapping

### Parcel Geometries

#### Layer Status

- **Progress toward completion/maintenance phase:** 100% of Dodge County's tax parcels are mapped (native dwg and Esri formats) although varying levels of accuracy exist depending on which Phase of the Tax Parcel Mapping Improvement project they were mapped in.
  - We are currently in Phase III of our Tax Parcel Mapping Improvement project, the aim of which being to update and improve locational accuracy of mapping in all cities and villages of Dodge County. Phases I and II included completion of accurate mapping in all unincorporated areas of the county (24 towns).
  - To date, as part of Phase III, the following cities and villages have been mapped: City of Watertown, City of Mayville, City of Horicon, City of Juneau, City of Columbus, City of Hartford, Village of Hustisford, Village of Randolph, Village of Lomira, Village of Iron Ridge, Village of Clyman, and Village of Lowell.
  - Mapping has been completed by registering parcels using coordinate geometry techniques to the PLSS, survey-located property and lot corners in problem and questionable areas collected by County surveyors, entering information from deeds, CSMs, Plats of Survey, Highway and Railway plans into the parcel base using coordinate geometry, and referencing 2012 high resolution orthophotography (previously using 1999 and 2006 high resolution ortho product).
  - The goal has been to reduce duplication of effort, provide a common base from which everyone can work, allow more time for work on other tasks and improve locational accuracy.
  - The tax parcel mapping completed is not intended to be used as a substitute for a survey certified by a professional land surveyor.
  - Information directing users to the original source material or recorded instruments is/will be included in the metadata or attribute data.

100% of the county's parcels (47,747 in 2018) are available in our native Autodesk Map 3D dwg and dxf formats and published in GIS format (Geodatabase and shp) for wider distribution.

In 2018 a conversion of parcel data from AutoCAD to ESRI is done with quarterly updates posted to the Land Information Search Tool, with information to be converted back to AutoCAD for in-house use by other divisions and for the public.

- **Projection and coordinate system:** NAD 83/91 projection and Wisconsin County Coordinate System- Dodge County Coordinates
- **Integration of tax data with parcel polygons:** Dodge County does have a parcel polygon model that directly integrates tax/assessment data as parcel attributes.
- **Esri Parcel Fabric/LGIM Data Model:** Dodge County does use the Esri Parcel Fabric Data Model and/or Esri's Local Government Information Model. In 2018 and begin conversion of parcel maintenance from AutoCAD to Esri.
- **Online Parcel Viewer Software/App and Vendor name: WebGUIDE Xtreme (WGX)** – from contractor/vendor Applied Data Consultants
- **Unique URL path for each parcel record:** Yes. Fields include GISPIN, MUN, TWN, RNG, SEC, QTR, OWNER1, OWNER2, OWN\_ADD1, OWN\_ADD2, OWN\_CITY, OWN\_ST, OWN\_ZIP, ADD1, ADD2, ADD3, ADD4, ADD\_COMP, ADD\_CITY, ADD\_ZIP, DEED\_ACR, LAND\_VAL, IMP\_VAL, SCHL\_DIS, TECH\_DIS, SAN\_DIS, LAKE\_DIS, DEV\_DIS, PINLABEL, SHAPE LENG, SHAPE\_AREA, MAPNO & FILENAME.

#### Custodian

- Land Resources and Parks Department, Land Information Division, Survey and Mapping Office – Senior Cartographer (CAD Tax Parcel Mapping) and Senior GIS Specialist (Esri Parcel Fabric).

#### Maintenance

- **Update Frequency/Cycle.** Mapping updates are completed by the Senior Cartographer as coordinated with information received from the Property Description Office Senior Land Information Specialist regarding transfer of property as recorded in the Register of Deeds Office and are currently updated approximately 6 times a year or as warranted
- With introduction of the ESRI Parcel Fabric, updates are done on a timely basis and in ESRI format and Dodge County hopes updates will be available near real-time.

#### Standards

- **Data Dictionary:** Dodge County's Data Dictionary is available in human-readable form, with thorough definitions for each element/attribute name, and explanations of any county-specific notations, particularly for parcel attributes listed by s. 59.72(2)(a)
- Standards used for mapping are those developed in-house. Dodge County continues to aggressively upgrade and improve the locational accuracy of parcels in cities and villages located in Dodge County by registering them to the 2012 high resolution orthophotography, using coordinate geometry (cogo) to enter CSMS/Plats of Survey/Highway plans, and entry of property corner locations collected by County survey staff (2 PLS on staff) with survey grade equipment.
- Zoning information is maintained in a separate layer by the Senior GIS Specialist as it does not follow parcel lines.

## Assessment/Tax Roll Data

#### Layer Status

- **Progress toward completion/maintenance phase:** NA
- **Tax Roll Software/App and Vendor name:** Property Assessment & Tax Billing Module – from contractor/vendor GCS Software
- **Municipal Notes:** City of Watertown which uses County assessment and tax data to print and own tax bills as they receive payments three (3) times/year billing rather than the rest of the county which is on a two (2) time/year billing. distribute their

## Custodian

- Assessment- Dodge County Land Resources and Parks Department, Land Information Division, Property Description Office- Manager of Land Information and Land Information Specialist I (real property lister). Tax Roll- Dodge County Treasurer

## Maintenance

- **Maintenance of the Searchable Format standard:** To maintain the Searchable Format standard, the Dodge County will adhere the Department of Administration's specs and review the Submission Documentation to ensure compliance. For any deviations from the schema Dodge County will utilize the Validation and Submission tool. Dodge County will make corrections on any deviations to ensure that datasets submitted will match DOA's schema specifications.
- **Searchable Format Workflow:** 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.

## Standards

- Wisconsin Department of Revenue [Property Assessment Manual](#) and attendant DOR standards
- DOR XML format standard requested by DOR for assessment/tax roll data
- Parcel numbering standard- Please note that this parcel identifier is not consistent with the recommended WLIB parcel numbering standard but it contains many of the required geographic components. A WLIB-formatted PIN can easily be aggregated if requested but it would be cost prohibitive to retool our existing numbering system and counter-productive to our on-going tax parcel mapping effort. Dodge County Parcel Identification Number (PIN) has the following geographic format: AAA-BBCC-DDEF-GGG, where:
  - AAA = Dodge County Municipality Number
  - BB = Town North Number [range: 09-13]
  - CC = Range East Number [range: 13-17]
  - DD = Section Number [range: 01-36]
  - EF = Quarter-Quarter Section Number [range: 1-4] GGG = Lot Identifier

## Non-Assessment/Tax Information Tied to Parcels - Permits

### Layer Status

- The County currently maintains an MS Access Sanitary (POWTS) applications as well as a database for land use permits, conditional use permits, rezoning, variance, and violations. All are tracked using the tax parcel identification number (PIN). An integrated Permitting module was scheduled for implementation as part of the GCS Land Information Management System (LIMS) but is not yet available. The County is currently imaging files containing this information.

### Custodian

- Dodge County Land Resources and Parks Department, Code Administration Division

### Maintenance

- Ongoing. New permits are linked by the PIN to a parcel and scanned into the permit tracking system upon receipt. Dodge County hopes by implementing a Permit Module within the new Land Information Management System that we can better integrate this data. On-going effort to scan all permit files and index for access and long-term storage.

### Standards

- Dodge County internal standard



## Non-Assessment/Tax Information Tied to Parcels – Non-Metallic Mining

### Layer Status

- The County maintains a file geodatabase for mine-related GIS layers including property boundaries, centroids, approved extraction areas, and active mining areas. These feature classes are linked to tables containing mine type/owner/operator information and reclamation plan documentation that are kept up-to-date by Code Administration staff.

### Custodian

- Dodge County Land Resources and Parks Department, GIS Administrator & Code Enforcement Division

### Maintenance

- Annual updates based on mine inspections and periodic updates as mines are opened and closed.

### Standards

Dodge County internal standard.

## ROD Real Estate Document Indexing and Imaging

### Layer Status

- **Grantor/Grantee Index:** Dodge County has a digital, searchable grantor/grantee index from 4/1/1987 to the present.
- **Tract Index:** The Dodge County tract index is based on the PLSS (1/16 section) except for subdivisions and condominiums where the tract index is based on Subdivision/Condominium lot and block. Dodge County has a digital, searchable tract index from 11/21/1998 to the present. Paper tract books from 1877 through 3/17/1999 are scanned and will soon be available online.
- **Imaging:** All recorded documents dating back to 1877 are contained in the imaging system.
- **ROD Software/App and Vendor Name:** Dodge County Register of Deeds uses TriMin software for land records indexing including Landshark for web access and FileDirector for documents image storage.

### Custodian

- Dodge County Register of Deeds

### Maintenance

- Register of Deeds continually adds and updates records as documents are recorded.

### Standards

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

## LiDAR and Other Elevation Data

### LiDAR

#### Layer Status

- **Most recent acquisition year:** 2017: Dodge County contracted with Woolpert, Inc. to acquire new 2017 USGS QL2 Lidar DEM through a separate USGS contract along with new orthoimagery.
- **Accuracy:** Lidar Data acquired according to USGS specifications "National Geospatial Program LiDAR Base Specification Version 1.2" at a nominal pulse spacing (NPS) of 0.7 meters.
- **Post spacing:** LiDAR will be acquired at an average 0.7-meter post spacing (2 points per sq. meter) and includes hydro-flattening.

- **Contractor's standard, etc.:** Using the new USGS QL2 Lidar DEM, goal was to achieve 1.9-feet @ 95% confidence level.
- **Next planned acquisition year:** 2027

**Custodian**

- Land Resources and Parks Department, Land Information Division.

**Maintenance**

- LiDAR acquisition is planned in 2027 in conjunction with new orthoimagery and plans are to continue updates on a 10-year cycle countywide at a minimum depending upon cost.

**Standards**

- Exceeded all NSSDA/FEMA and NDEP/ASPRS guidelines.

**LiDAR Derivatives – DTM/DEM**

**Layer Status**

- Countywide bare earth DTM meeting or exceeding minimum criteria for FEMA and USGS standards for this feature and digital elevation model (DEM).

**Custodian**

- Land Resources and Parks Department, Land Information Division.

**Maintenance**

- Anticipate acquisition of new LiDAR data in 2027; anticipate requesting first and second return digital surface models (DSM) in addition to bare earth model. Plans are to collect this data on a 10-year cycle.

**Standards**

- FEMA and USGS

**LiDAR Derivatives – 2 Foot Contours**

**Layer Status**

- Countywide 2-foot contours

**Custodian**

- Land Resources and Parks Department, Land Information Division

**Maintenance**

- Anticipate acquisition of new LiDAR data in 2027 with in-house production of contours

**Standards**

- Contours created in-house utilizing ArcGIS ArcInfo, 3-D Analyst using internal standards

**LiDAR Derivatives - Building Footprints**

**Layer Status**

- Acquired in 2018 using 2017 Orthoimagery and Lidar, building footprints for structures 10' by 10' and greater. \*

**Custodian**

- Land Resources and Parks, Land Information Division

**Maintenance**

- Anticipate acquisition of new LiDAR data in 2027. Plans are to collect this data on a 10 - year cycle

**Standards**

- Building footprints created by vendor to Department standards

## Orthoimagery

### Orthoimagery

#### Layer Status

- **Most recent acquisition year:** 2017: 1"= 100' scale 8-bit, 4-band (R,G,B,NIR) stacked digital orthoimagery. Encompasses the entire boundary of Dodge County, WI and includes all of Dodge County ( $\pm$  907 square miles) along with a 500-foot buffer zone outside the county boundary.
- **Resolution:** 6-inch pixel resolution
- **Contractor's standard:** Countywide 8-bit, 4-band color digital orthoimagery at 1"=100' scale with a 15 cm (6-inch) pixel resolution. Tiling format follows a modular layout using the PLSS layout. Used an interactive mosaicking process for tone balancing and image mosaicking. The digital orthoimagery in GEOTIFF format with a .TIFF world file for geo-referencing.
  - Ground Control: Utilized new Photo Identifiable (PID) and existing (Targeted or PID) ground control to support the 15 cm (6-inch pixel) resolution orthoimagery base mapping.
  - Horizontal and Vertical Control Survey: The datum will match the datum of the Lidar project: EPSG Code 7495, WISCRS Dodge County (Feet), NAD83 (2011).
  - Accuracy Standard: Woolpert will use the new American Society of Photogrammetry and Remote Sensing (ASPRS) Standards for Digital Geospatial Data (edition 1, version 1.0-November 2014) guidelines. The 15cm (6-inch) orthoimagery will meet the ASPRS 30 cm Horizontal Accuracy Class of 2.4-feet @ 95% confidence level
- **Next planned acquisition year:** 2022
- **WROC participation in 2020:** Unsure about participation. Dodge County has had contact with Ayres Associates about the possibility of participating in the program. Dodge County anticipates with them at some point in the future

#### Custodian

- Land Resources and Parks Department, Land Information Division

#### Maintenance

- Plans to update on a 5-year cycle with next flight proposed for spring 2022.

#### Standards

- All horizontal GPS control was based on the Wisconsin Coordinate Reference System (WISCRS) Dodge County, referenced to North American Datum 1983, (2011), expressed in U.S. survey feet. All vertical control was based on the North American Vertical Datum of 1988 (NAVD88) with GEOID12B applied to model the elevations, also expressed in U.S. survey feet.
- The GPS adjustment indicates that the survey control network meets or exceeds the requirements American Society of Photogrammetry and Remote Sensing (ASPRS) Standards for Digital Geospatial Data (edition 1, version 1.0-November 2014) guidelines to support the production of 15cm (6-inch) orthoimagery meeting the ASPRS 30 cm Horizontal Accuracy Class of 2.4-feet @ 95% confidence level.

## Historic Orthoimagery

#### Layer Status

- 2012: County has 6" resolution orthoimagery for dataset collected in spring 2012
  - Available in GeoTIFF and MrSID format in countywide mosaic and in individual PLSS section tiles.
  - Available as 4-band stacked, RGB and BW
  - Countywide RGD and BW MrSID available in Dodge County and State Plain coordinate systems

- 2006: County has 6" resolution orthoimagery for 2006 dataset collected in conjunction with LiDAR acquisition accuracy sufficient to support update of FEMA floodplain mapping
  - Available in RGB and BW in PLSS section tiles, MrSID and TIFF formats
  - Available in RGB and BW as countywide MrSID
- 1999: County has 12" resolution orthoimagery for 1999 dataset
  - Available in BW in PLSS section tiles, TIFF format
  - Available in BW as countywide MrSID
- Historic unreferenced photos from the Robinson Library (UW-Madison) scanned into digital format for the following years: 1937, 1950, 1956, 1957, 1964, 1971, 1979-2002 (FSA Yearly), 1981
- County also has film based photography (1"=400' mapping scale) from 1968, 1971 and 1978

#### **Custodian**

- Land Resources and Parks Department, Land Information Division

#### **Maintenance**

- None

#### **Standards**

- 2012 orthoimagery meets NMAS for 1"=100' scale mapping
- 2006 orthoimagery meets NMAS for 1"=100' scale mapping
- 1999 orthoimagery meets NMAS for 1"=200' scale mapping\*

## **Other Types of Imagery**

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

#### **Layer Status**

- Near Infra-red is included in the 4-band stacked product delivered in 2017
- Near Infra-red is included in the 4-band stacked product delivered in 2012
- Acquisition of oblique imagery is not anticipated.

#### **Custodian**

- Land Resources and Parks Department, Land Information Division.

#### **Maintenance**

- Update to Near Infra-red is anticipated as part of the planned 2022 spring project to collect new orthoimagery.

#### **Standards**

- Refer to 2012 4-band stacked ortho product

## **Address Points and Street Centerlines**

### **Address Point Data**

#### **Layer Status**

- Complete for the entire county with an address point for each principal structure and units within structures.
- Stored in an enterprise geodatabase with attributes including mailing info, municipal info, land use, and common names.
- County has addressing authority in all unincorporated areas of the county (i.e., towns) with the exception of Town of Ashippun with whom we have a good working relationship for communication of new addresses assigned.
- Working to improve lines of communication with cities and villages when new addresses are assigned and roads are built or vacated.

### **Custodian**

- Land Resources and Parks Department, Land Information Division, GIS Administrator

### **Maintenance**

- Updated as new addresses are assigned or upon receipt of notification of new or changed city or village addresses.

### **Standards**

- NENA and US Postal standards followed as practicable; Dodge County Addressing Guidelines

## **Building Footprints**

### **Layer Status**

- Geodatabase of building footprints derived from 2017 LiDAR will be completed in late 2018.
- Includes every structure in the County larger than 10'x10'
- Will be linked to Address Points database to improve positional accuracy of address points.

### **Custodian**

- Land Resources and Parks, GIS Administrator

### **Maintenance**

- Updated as new aerial photography becomes available

### **Standards**

- Department standards

## **Other Types of Address Information**

### **Address Ranges**

#### **Layer Status**

- Dodge County maintains a complete countywide address ranges for all public and private roads in the county.
- Ranges are attached to the street centerline layer

#### **Custodian**

- Land Resources and Parks Department, GIS Administrator

#### **Maintenance**

- This layer is updated as new data is obtained and entered by means of coordinate geometry from highway plats and surveys or referencing deeds, orthophotography or other means.

#### **Standards**

- NENA and US Postal standards followed as practicable; Dodge County Addressing Guidelines; Internal to Department mapping standards.

### **Street Centerlines**

#### **Layer Status**

- Complete countywide features for all public and private roads.
- Stored in an enterprise geodatabase alongside Address Points and other addressing-related layers.

#### **Custodian**

- Land Resources and Parks Department, GIS Administrator

#### **Maintenance**

- Updated as new data received.

### Standards

- NENA and US Postal standards followed as practicable; Dodge County Addressing Guidelines; Internal to Department mapping standards.

## Rights of Way

### Layer Status

- Complete; contained as part of the parcel fabric geodatabase

### Custodian

- Land Resources and Parks Department, Land Information Division

### Maintenance

- As parcel database is updated and new information is received for new or reconstructed ROW

### Standards

- Coordinate geometry data entry from highway and subdivision plats

## Trails

### e.g., Recreational Trails

### Layer Status

- Wild Goose State Trail mapping is complete with intersection identification points for emergency location purposes and mile markers indicated to assist users in orienting themselves.
- County park properties and facilities have been mapped, and conversion of data into geodatabase feature classes is on-going.
- Snowmobile trails have been mapped and are stored in a geodatabase for use by Parks staff and to assist in statewide trail data collection efforts.
- Other recreational facilities (boat landings, municipal park facilities, playgrounds, etc) are mapped and stored in various feature classes but need additional work to consolidate and add more detailed attribute information.
- Additional work needed on detailed mapping for Rock River Trail (canoeing, kayaking), Rock River Trail Auto Route, Gold Star Memorial Trail
- Additional work needed on detailed mapping for Off-road Bike and Pedestrian Trails: Glacial River Trail and Gold Star Trail (starting in 2017 and under development between Mayville and Horicon Marsh International Education Center)

### Custodian

- Land Resources and Parks Department, GIS Administrator and Parks and Trails Divisions

### Maintenance

- Updated as changes are presented and time permits

### Standards

- Internal to Department mapping standards; sufficient geospatial accuracy for general guide map and informational brochure presentation.

## Land Use

### Current Land Use

### Layer Status

- County's 2015 Comprehensive Plan contains a generalized land use map not currently included in the geodatabase at this time but accessible in the plan document on the County's web site. The County's tax database contains the DOT classification code that can be linked to the parcel database in the GIS database if need be.
- Map specifically applies to unincorporated areas of Dodge County

### **Custodian**

- Land Resources and Parks Department, Land Information and Planning and Economic Development Divisions

### **Maintenance**

- Updated in 2015; next update anticipated in 10-years

### **Standards**

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

## **Future Land Use**

### **Layer Status**

- County's Comprehensive Plan contains a generalized future land use map for unincorporated areas of Dodge County

### **Custodian**

- Land Resources and Parks Department, Land Information Division

### **Maintenance**

- Updated as changes are adopted

### **Standards**

- s. 66.1001, Wis. Stats. Comprehensive planning.
- Future land use map was created through the comprehensive planning process. Future land use mapping for a county is a patchwork of maps from comprehensive plans adopted by municipalities involved and the county.

## **Zoning**

### **County General Zoning (Dodge County Land Use Code)**

#### **Layer Status**

- The County does maintain a GIS representation of general zoning boundaries
- County has Zoning jurisdiction for 12 of the 24 towns in Dodge County. Those towns include: Ashippun, Calamus, Elba, Fox Lake, Hustisford, Lebanon, Leroy, Lomira, Oak Grove, Rubicon, Shields, and Trenton. This data is held in a separate database as it does NOT follow parcel lines.
- All Cities and Villages in Dodge County are responsible for their own zoning.

#### **Custodian**

- Land Resources and Parks Department, Code Administration and Land Information Divisions

#### **Maintenance**

- Updated as rezonings are approved by the Dodge County Board of Supervisors upon recommendation of the Land Resources and Parks Committee; done by resolution for towns having Town Zoning and by Ordinance for towns under County Zoning. Staff updates a general map for towns not under County Zoning to help internal staff track changes but questions regarding zoning in those towns are referred directly to the Town Clerk.

#### **Standards**

- Dodge County Land Use Code
- S. 66.1001, Wis. Stats. Comprehensive Planning

## **Shoreland Zoning**

### **Layer Status**

- The County does maintain a GIS representation of county shoreland zoning boundaries.
- Complete layer includes 1000' buffer from lakes and 300' buffer from navigable streams in unincorporated areas of the County; land use is not regulated for towns not under County

Zoning, but state (DNR) mandated set backs and impervious surface area and vegetative buffer standards are enforced for all unincorporated towns in these areas.

#### **Custodian**

- Land Resources and Parks Department, Code Administration and Land Information Divisions

#### **Maintenance**

- As needed

#### **Standards**

- Dodge County Shoreland Protection Ordinance
- Wisconsin Shoreland Protection Program (NR 115)

## **Farmland Preservation Zoning**

#### **Layer Status**

- The County does maintain a GIS representation of county farmland preservation zoning boundaries.
- Farmland Preservation-complete for participating towns; separate database
- **Year of certification:** 2011 (has since been amended and received updated certifications but the main certification for the whole county was in 2011)

#### **Custodian**

- Land Resources and Parks Department, Code Administration and Land Information Divisions

#### **Maintenance**

- As needed

#### **Standards**

- Land Use and Farmland Preservation Plan

## **Agricultural Enterprise Areas (AEA)**

#### **Layer Status**

- The County does maintain a GIS representation of AEA boundaries.
- Complete for participating towns; separate database
- **Year of certification:** 2012 for the Towns of Trenton and Burnett; 2015 for the Towns of Ashippun, Elba, Portland, Emmet and Shields

#### **Custodian**

- Land Resources and Parks Department, Code Administration and Land Information Divisions

#### **Maintenance**

- As needed

#### **Standards**

- Land Use and Farmland Preservation Plan

## **Floodplain Zoning**

#### **Layer Status**

- The County does maintain a GIS representation of floodplain zoning boundaries.
- The county's floodplain zoning GIS data is the same as/identical to the FEMA map.
- Letters of Maps Change – FEMA Flood Insurance Rate Maps (FIRMs) can be changed through "Letters of Maps Change," which is comprised of a few things: Letters of Map Amendment, Letters of Map Revision, and Letters of Map Revision Based on Fill. These are documents issued by FEMA that officially remove a property and/or structure from the floodplain. They are collectively called Letters of Map Change.



### **Custodian**

- Land Resources and Parks Department, Code Administration and Land Information Divisions

### **Maintenance**

- As needed

### **Standards**

- Dodge County Floodplain Zoning Ordinance
- Wisconsin's Floodplain Management Program (NR 116)
- FEMA Flood Insurance Rate Maps (FIRMs)

## **Airport Protection**

### **Layer Status**

- The County does maintain a GIS representation of airport protection zoning boundaries.
- Complete for area surrounding Dodge County Airport, Juneau, WI
- Airport protection zoning map depicts:
  - Depicts Height limitation restrictions
  - General zoning overlay for airport protection

### **Custodian**

- Land Resources and Parks Department, Code Administration and Land Information Divisions

### **Maintenance**

- As needed

### **Standards**

- Dodge County Airport Overlay Ordinance

## **Municipal Zoning Information Maintained by the County**

**e.g., Town, City and Village, Shoreland, Floodplain, Airport Protection, Extra-Territorial, Temporary Zoning for Annexed Territory, and/or Zoning Pursuant to a Cooperative Plan**

### **Layer Status**

- Extra-territorial plat review areas can be developed upon request based on the parcel base

### **Custodian**

- Land Resources and Parks Department, Land Information Division

### **Maintenance**

- As needed

### **Standards**

- Plat Review Ordinances
- Internal Departmental standards

## **Administrative Boundaries**

### **Civil Division Boundaries**

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

### **Layer Status**

- Municipal boundary file complete

### **Custodian**

- Land Resources and Parks Department, Land Information Division

### **Maintenance**

- \* Updated as annexations are reported and forwarded to the office from the County Clerk and recorded at the Register of Deeds

## Standards

- Department standard; alignment to parcel base

## School Districts

### Layer Status

- **Progress toward completion/maintenance phase:** Completed GIS layer based on assessment code of school district number contained in assessment and tax file and tied to parcel base
- **Relation to parcels:** School Districts are tied to parcels
  - **Attributes linked to parcels:** Attributes include school district code and school district name

### Custodian

- Land Resources and Parks Department, Land Information Division

### Maintenance

- Updated as notification of district boundaries are received.
- Program to provide maps to school districts for confirmation of boundaries and assistance in reconciling discrepancies; as time permits\*

### Standards

- Department standards; aligned to parcel base

## Election Boundaries

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

### Layer Status

- County has complete coverage of current voting ward, aldermanic and county board supervisory districts in the GIS database.

### Custodian

- Dodge County Clerk and Land Resources and Parks Department, Land Information Division

### Maintenance

- Boundaries are updated as annexations occur and as required by redistricting
- Dodge County complies with the Wisconsin Statute requiring submission of ward level LIS data to the Legislative Technology Services Bureau (LTSB) twice a year, by January 15th and July 15th.

### Standards

- Department standards; aligned to parcel base

## Utility Districts

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

### Layer Status

- Sanitary Districts- County's tax database includes a code designating parcels that are located within a sanitary district that can be linked to the parcel base from which a map can be generated as needed.
- Drainage Districts- County's tax database includes a code designating parcels that are located within a drainage district that can be linked to the parcel base from which a map can be generated as needed. There are currently twenty five (25) active districts. County staff works closely with the Drainage Board Engineer to share information in a timely manner. The Engineer has provided an interactive map in pdf format that is available on the Dodge County web site that provides a detailed map of each district. This map is updated annually.
- Tax Incremental Financing Districts (TIF/TID) - County's tax database includes a code designating parcels that are located within a TIF/TID that can be linked to the parcel base from which a map can be generated as needed.

### **Custodian**

- Land Resources and Parks Department, Land Information Division and Sanitary District Board
- Land Resources and Parks Department, Land Information Division and Drainage Board Engineer.

### **Maintenance**

- As needed

### **Standards**

- Department standards; aligned to parcel base

## **Public Safety**

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

### **Layer Status**

- Emergency Service Districts- Ambulance, Sheriff, Police, Fire and Rescue are mapped. This data is made available in the Sheriff's Office dispatch system.

### **Custodian**

- Sheriff's Office, Land Resources and Parks Department, Land Information Division, municipalities

### **Maintenance**

- Updated as service area or location of facilities change or errors are reported by Sheriff's Office Communication Center staff and municipalities

### **Standards**

- Department standards; aligned to parcel base

## **Lake Districts**

### **Layer Status**

- Complete

### **Custodian**

- Land Resources and Parks Department, Land Information Division

### **Maintenance**

- Static

### **Standards**

- Department standards; aligned to parcel base

## **Native American Lands**

### **Layer Status**

- NA

### **Custodian**

- 

### **Maintenance**

- 

### **Standards**

- 

## **Other Administrative Districts**

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

### Layer Status

- County Parks - mapping complete with locations of camping pads and trails

### Custodian

- Land Resources and Parks Department, Land Information and Parks and Trails Divisions

### Maintenance

- As updates are modified or constructed

### Standards

- Department standards; boundaries aligned to parcel base

## Other Layers

### Hydrography Maintained by County or Value-Added

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

#### Layer Status

- Countywide hydrography layer was initially created utilizing the 1999 orthophotography dataset (12" pixel resolution). A more accurate one was developed based on the 2006 orthos (6" pixel) with areas updated utilizing the 2012 ortho product in areas included in the Tax Parcel Map Improvement Project. Plans are to develop a dataset based on the anticipated 2017 ortho acquisition as time and funding permits.

#### Custodian

- Land Resources and Parks Department, Land Information Divisions

#### Maintenance

- The 2006 version is updated as the Senior Cartographer improves the accuracy of parcel maps and adjusts areas showing a significant difference in water boundaries. Understanding that each ortho flight is dependent upon the ground conditions at the time the imagery was collected.\*

#### Standards

- Department standards; boundaries aligned to parcel base

### Cell Phone Towers

#### Layer Status

- Cell Towers and other communication towers that are registered with FCC or permitted by Dodge County are mapped.

#### Custodian

- Land Resources and Parks Department, Code Administration Division

#### Maintenance

- Updated as new towers are added, moved or removed

#### Standards

- Department standards using GPS coordinates

### Bridges and Culverts

#### Layer Status

- Locations of County Highway Department Culverts and Bridges are mapped

#### Custodian

- Dodge County Highway Department; Land Resources and Parks Department, Land Information Division

#### Maintenance

- Updated as replaced

**Standards**

- Department standards using GPS coordinates

**Other**

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

**Layer Status**

- Wind Towers- locations are mapped for the two wind farms located in Dodge County (GPS coordinates)
- Railroads- routes are mapped in the parcel layer
- Non-metallic mines

**Custodian**

- Land Resources and Parks Department, Code Administration and Land Information Division

**Maintenance**

- As changes are reported

**Standards**

- Department standards using GPS coordinates

# 3 LAND INFORMATION SYSTEM

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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.

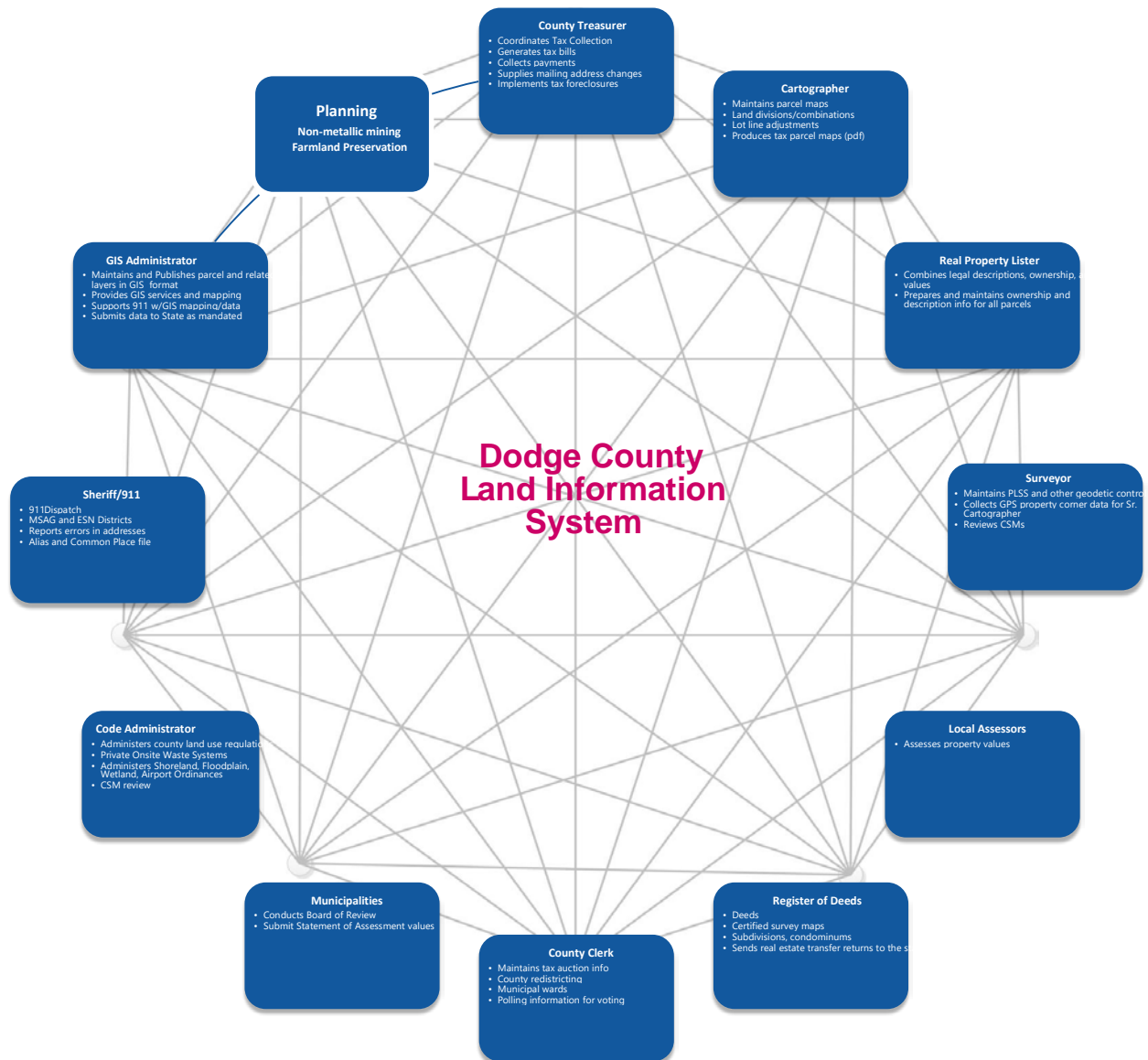
## Current Land Information System

### Diagram of County Land Information System

This optional section will feature a diagram that documents Dodge County's land information system and the various inter-organizational workflows it encompasses. Under development.

A diagram of the county land information system will include the following offices involved with the creation and maintenance of land information:

- Register of Deeds
- Property Description Office:
  - Manager of Land Information (also LIO) and Land Information Specialist I (Real Property Lister)
- Tax Parcel Mapping:
  - Senior Cartographer (Autodesk Map 3D format and ESRI Parcel Fabric)
- County surveyor
  - Senior Land Surveyor
  - Senior Survey and Mapping Specialist
- GIS Administrator
- Treasurer
- Sheriff's Office – Communications Center
- Emergency Management
- Code Administrator
- Planning and Economic Development
- Municipalities
- Local Assessors



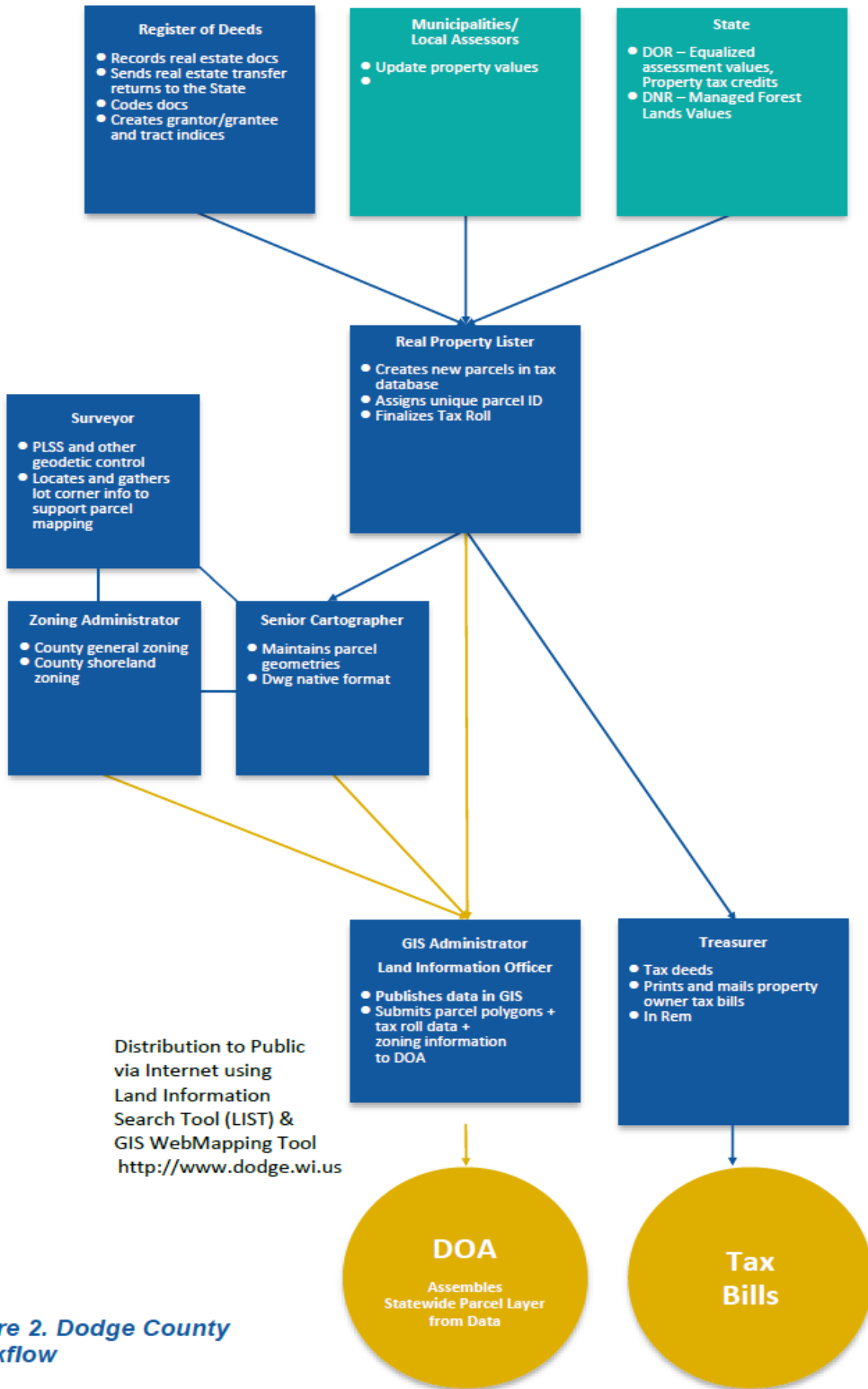
**Figure 1. Dodge County Land Information System**

### County Parcel Data Workflow Diagram

This section features a general diagram that documents Dodge County’s parcel mapping and tax roll process. The diagram is designed to be general and straightforward as the purpose of the parcel workflow is to assist those reading the Plan 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 depicts:

- Major components of parcel data, especially those referenced by s. 59.72(2)(a), including:
- parcel polygons, 2) tax roll data, and 3) zoning information (stored as a separate layer as does NOT follow parcel lines)
- Integration of parcel polygons with other data/attributes, if applicable
- Departments/offices/staff involved with the creation and maintenance of parcel data



**Figure 2. Dodge County Workflow**



## 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. Dodge County follows industry-accepted standards for database design and system architecture and the Land Information Office works closely with the Dodge County Information Technology Department (IT) to achieve this end. Design of existing and new databases and system development is closely reviewed by County staff and/or database development consultants following industry-accepted standards and to ensure compliance with open data exchange. Pilot projects are routinely undertaken to determine functionality and refinement of the final design before it is put into a production environment. The standards followed are reviewed in light of changes in industry thinking and common sense. The County will continue to use industry accepted hardware platforms and software to facilitate the transferability, translatability, and retrieval of data.

Beyond delivering information in these standard formats, the County cannot ensure that delivered data will be useable in a system of unknown design or developed to meet special purposes not intended by the County. As it is out of the County's control, Dodge County cannot warrant that all other outside systems comply with the above national standards. Data will be made available in our 'native' software formats to accommodate as many 'typical' users as possible. The design of our database and file server directory structure will continue to support easy retrieval of all data sets.

### Hardware

- 2 HP Large Format Plotters
- OCE PlotWave Large Format Scanner/Copier/Printer
- Trimble ProXR GPS Unit

### Software

- Register of Deeds: TriMin and FileDirector Imaging software applications are used to record, index, scan, view, and distribute recorded documents.
- GIS: Dodge County uses the ESRI ArcGIS software suite, including licenses of Enterprise, Desktop, Spatial Analyst, and 3D Analyst. Licensing is managed by the Land Information Office and the annual maintenance cost is supported by retained fees. Current holdings include:
  - ArcGIS Enterprise Standard (4 cores)
  - 2 ArcGIS Desktop Advanced, concurrent use
  - 2 ArcGIS Desktop Basic, concurrent use
  - 1 ArcGIS Spatial Analyst, concurrent use
  - 1 ArcGIS 3D Analyst, concurrent use
  - 2 ArcGIS Desktop Standard, single use
  - 2 ArcGIS Desktop Basic, single use

CAD (Computer Aided Drafting): Autodesk Map 3D is used by Senior Cartographer (Land Information Division) for continuity of parcel mapping from CAD to ESRI/ArcMap. The County's surveyor and technician (Land Information Division) utilize AutoCAD Civil 3D to support PLSS maintenance and perform boundary and other surveys for County needs. Land Conservation staff uses Autodesk Civil 3D to perform their nutrient management project work. Licensing is managed by the Land Information Office and the annual maintenance cost is supported by retained fees. Current holdings include:

- 2 Autodesk Map 3D standalone (Tax Mapping, Property Description Office)
- 1 Autodesk Map 3D concurrent (LIO, GIS Administrator, Property Description Office)
- 2 Autodesk Civil 3D standalone (Survey)
- 2 Autodesk Civil 3D standalone (Land Conservation)
- Tax Roll and Property Assessment Records: The County is currently implementing an integrated land information management system (LIMS) to improve efficiency and reduce redundant data entry. We have contracted with GCS to accomplish this. The system is designed to support a module for administration of permits but that portion has not yet been

implemented. Public access to this information is part of the total integrated package. Integration with our GIS Web Mapping tool (ACD), Register of Deeds recorded documents, survey files and parcel maps is underway. This is an SQL-based system.

- Detailed and up to date information regarding costs associated with ongoing technology expenditures is available in the annual "County Retained Fee/Grant Report" due to DOA. This report is available upon request from the Land Information Officer (LIO).
- The County's geographically reference data and information is based on the Wisconsin Coordinate Reference System, Dodge County (WISCRS Dodge County) which is mathematically relatable to the North American Datum of 1983/1991 (NAD83/91). Vertical GIS data is referenced to the North American Vertical Datum of 1988 (NAVD88). Dodge County data is easily shared with and disseminated to other agencies and the private. The adjustment to a new datum (NAD2022) could be problematic as so far there is no systematic conversion available.

## Website Development/Hosting

- Yearly contract with Applied Data Consultants to develop and host the County's public online GIS mapping application on their WG Xtreme platform.
- Plan to develop an in-house open data portal based on ArcGIS Online/ArcGIS Enterprise and linked through the County website to facilitate easy discovery and download of geospatial data.

## Metadata and Data Dictionary Practices

### Metadata Creation

- **Metadata creation and maintenance process:** Basic metadata exists for most of our GIS data holdings and it is updated/improved as time allows using ESRI ArcCatalog. Every effort is made to develop and maintain metadata that meets at least the minimum FGDC Content Standard for Digital Geospatial Metadata.

### Metadata Software

- **Metadata software:** ArcCatalog
  - The software does generate metadata consistent with the FGDC Content Standard for Digital Geospatial Metadata, and ISO geographic metadata standard 19115.
- **Metadata fields manually populated:** Tags, Summary, Description, Credits, Field Descriptions, Map Service Descriptions for online services.

### Metadata Policy

- **Metadata Policy:** N/A

## Municipal Data Integration Process

- Dodge County is the custodian for the countywide real property system and tax bill creation. The County works with the Assessors, Clerks and Treasurers in each municipality to obtain the assessment data from the assessors need to create the assessment roll, and clerks and treasurers to produce tax bills and tax rolls. The new integrated system is designed to enable local assessors and officials to more seamlessly submit and receive data for processing. Dodge County is responsible for reviewing deeds and updating ownership data.
- Dodge County is working with local addressing authorities to improve the transmittal of new addresses and road/street updates to the County for inclusion in the system.

## Public Access and Website Information

### Public Access and Website Information (URLs)

#### Public Access and Website Information

GIS Webmapping Application(s) Link - URL	GIS Download Link - URL
GIS web mapping	<a href="http://dodgecowi.wgxtreme.com/">http://dodgecowi.wgxtreme.com/</a>
ROD - Document Recordings Tract Index; Grantor/Grantee	<a href="https://landshark.co.dodge.wi.us/LandShark/login">https://landshark.co.dodge.wi.us/LandShark/login</a>
RPL & Treasurer Assessment and tax info Tax parcel Maps (PDF)	<a href="http://list.co.dodge.wi.us/GCSWebPortal/Search.aspx">http://list.co.dodge.wi.us/GCSWebPortal/Search.aspx</a>
Zoning - Permit Activity	<a href="http://www.co.dodge.wi.gov/government/departments-e-m/land-resources-and-parks/zoning-permits-and-ordinance">http://www.co.dodge.wi.gov/government/departments-e-m/land-resources-and-parks/zoning-permits-and-ordinance</a>
PLSS tie sheets	<a href="http://www.co.dodge.wi.gov/government/departments-p-z/survey">http://www.co.dodge.wi.gov/government/departments-p-z/survey</a>
WI Control Data	<a href="https://www.sco.wisc.edu/surveying/">https://www.sco.wisc.edu/surveying/</a>
Elected Official District Maps (various)	<a href="http://www.co.dodge.wi.gov/services/maps-parcels-records/county-supervisory-district-maps">http://www.co.dodge.wi.gov/services/maps-parcels-records/county-supervisory-district-maps</a>
Drainage District interactive map	<a href="https://datcpgis.wi.gov/maps/?viewer=dd">https://datcpgis.wi.gov/maps/?viewer=dd</a>

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

##### URL

<http://list.co.dodge.wi.us/GCSWebPortal/Search.aspx>

#### Municipal Website Information

##### Municipal Website

##### Municipal Website URL

City of Watertown GIS Mapping Tool [http://www.ci.watertown.wi.us/departments/gis\\_mapping\\_tool.php#.W6zt\\_-S0W71](http://www.ci.watertown.wi.us/departments/gis_mapping_tool.php#.W6zt_-S0W71)

## Data Sharing

### Data Availability to Public

#### Data Sharing Policy

- With a few exceptions, data is freely available to all requestors at no charge if they provide an address, email address, location of an FTP site to which the data may be uploaded, or a flash or external hard drive on which to load the data depending upon amount of data requested. There is a minimal charge should data need to be copied to paper media or burned to disk and mailed to the requestor. Access to recorded documents held in the Register of Deeds Office are available on-line through the LandShark application with charges set by statute. The Dodge County Treasurer receives payment for the tax roll and several reports available from that office.

#### Open Records Compliance

- Every effort is made to comply with Wisconsin's Open Records Law.

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

#### Data Sharing Restrictions

- Dodge County has no restrictions on use of data distributed with the exception of the Dodge County Plat Book on which a US copyright is held.

#### Government-to-Government Data Sharing

- Dodge County freely shares its data with any local, state or federal agency making the request.

### Training and Education

- Dodge County administration and County Board Supervisors remain committed in their support for land records-related employees to take advantage of opportunities to attend training and education at seminars, vendor sessions (Esri, Leica), university classes, and professional association sessions.
- Memberships and conference/workshop registrations for staff are supported by the County including but not limited to the following professional organizations:
- Wisconsin Land Information Officers Network (LION)

- Wisconsin County Surveyors Association (WCSA)
- Wisconsin County Register of Deeds Association (WRDA)
- Wisconsin Real Property Listers Association (WRPLA)
- Wisconsin County Code Administrators Association (WCCA)
- Wisconsin Society of Land Surveyors (WSLS)
- Wisconsin County Treasurer Association (WCTA)
- Wisconsin Association of Assessing Officers (WAAO)
- Wisconsin Land Information Association (WLIA)
- Department heads budget for continued education and technical training for themselves and their staff beyond use of the WLIP Training and Education Grant (\$1000).
- Land records staff are encouraged to join and become actively involved in their related professional associations.
- Provide technical support for internal and external data users.
- Encourage participation in user group forums to discuss problems and exchange information and personal experiences regarding the use of software internally and externally.
- Continued participation in the Technical Assistance List Server.
- When outside experts are consulted, full-time staff member are actively involved in the project to retain knowledge gained once the project is implemented and the consultants have left.

# 4 CURRENT & FUTURE PROJECTS

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

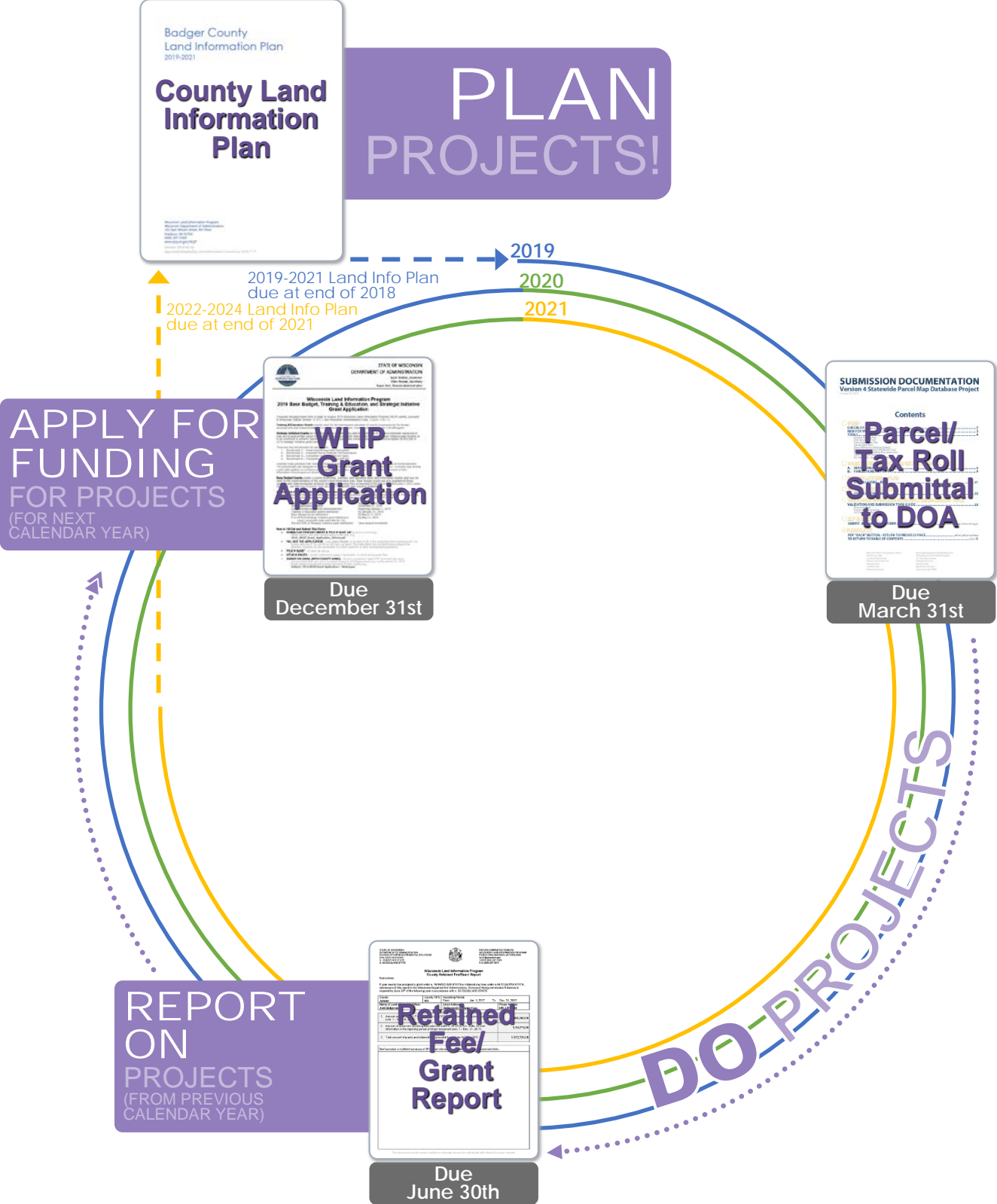


Figure 1. The WLIP Land Information Plan/Grant Project Cycle

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

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

#### Project Description/Goal

##### How Searchable Format Will Be Maintained

- Dodge County plans to adopt the searchable format schema and use that data model as the standard for future parcel creation and maintenance.
- Dodge County plans to utilize in-house staff to standardize data, field names and domains

#### 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.
- To increase consistency and accuracy of statewide parcel data.
- To increase data interoperability and improve data sharing efficiency.

#### 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).
- Update and improve parcel layer metadata.

#### Project Timeframes

- On-going

#### Responsible Parties

- GIS Administrator

#### Estimated Budget Information

- \$0 – In-house staff time

## Project Plan for Parcel Completion (Benchmark 3) ---COMPLETED---

### 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:** Dodge County currently has **complete countywide digital coverage of parcel data**. The number of parcels in the County varies by year and is dependent upon the number of parcels split or combined. Some general statistics regarding our parcel base are presented below.
  - Tally of the total number of parcels in digital format: 47,747 Real Estate parcels maintained in 2018.
- **Estimated number of parcels yet to be digitized:** None - Dodge County currently has complete countywide digital coverage of parcel data.

##### Goals

- Goal is to complete upgraded parcel mapping for the cities and villages (Phase III) of our multi-year project.
- **Number of parcels to be added for the grant project period(s):**
  - 528 parcels were added in 2017, while 552 parcels were deleted for a net decrease of 24 parcels (for a 2018 total of 47,747)

- In 2017, 3719 real estate recordings from the Register of Deeds Office were processed by our Property Description Office involving 5256 tax parcels. This represents an increase of 189 documents and 137 tax parcels from 2016.

#### Planned approach

- Planned approach for completing the parcel fabric.

#### Business Drivers

- Accurate parcel maps countywide to support assessment and tax purposes, DOR, statewide parcel map mandate; requirement for Strategic Initiative grant eligibility; public and private sector needs for parcel information.

#### Objectives/Measure of Success

- Benchmark 3 (Completion of County Parcel Fabric) is **complete**. However, Dodge County continues to aggressively upgrade and improve the locational accuracy of parcels in cities and villages located in Dodge County by registering them to the 2017 high-resolution orthophotography and entering CSMs/Plats of Survey/Highway plans so everyone can work from a common base map, which aligns with the accurate ortho base. Phase II involved mapping of all unincorporated areas in the County.

#### Project Timeframes

- On-going

#### Responsible Parties

- Senior Cartographer under general direction of Manager of Land Information/LIO.

#### Estimated Budget Information

- Staff time
- \$0 – In-house staff time

## Project Plan for PLSS (Benchmark 4) ---COMPLETED---

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

#### Project Description/Goal

##### Planned Approach

- **Dodge County completed countywide remonumentation** in the mid-1990's. **Survey-grade** coordinates have been acquired for PLSS corners, and PLSS corners have been integrated into the parcel fabric. Dodge County is in full maintenance mode using Leica TS16 Robotic Total Station (2016) and Leica GPS GS16 (2017).

##### Current Status

Current status of Dodge County's PLSS data is complete and Dodge County is in a maintenance mode. (See details on the PLSS layer on pages 8-9 above.) There are 3972 section corners in the county, of which 3731 have a monument record and are reported in Dodge County Coordinates NAD 83/91. All coordinates are Survey-grade and were 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.

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

##### Goals

- Continue to work in maintenance mode
- Continuation of annual communication with town officials regarding their reporting of planned roadwork that would disturb, damage or destroy section corners. This program has been very successful and well received.

- **Number of corners to be remonumented and/or rediscovered:** See PLSS Layer Status table in Chapter 2.
- **Number to have new coordinates established:** See PLSS Layer Status table in Chapter 2.
- **Accuracy class for these new coordinates:** See PLSS Layer Status table in Chapter 2.
- **Way in which these points will be integrated into the parcel fabric:** Conversion from CAD to Arc

### Missing Corner Notes

- **Documentation for any missing corner data:** The majority of corners that have not been re-established are located in the Horicon Marsh and may never need to be re-established. Other types of section corners not having been re-established include meander corners which were set on a section line at the edge of a body of water where the section corner could not be set as it would have fallen in a lake of large river, closing corners which are the points at which the section line intersects the township line (happens on the north line of a township boundary), center of sections established by former county surveyors.- although most of these have been re-established and have monument records.

### County Boundary Collaboration

- Dodge County collaborates with all six (6) neighboring counties for PLSS updates. Our office shares tie sheets with the adjoining county surveyors whenever work is done on county line PLSS corners. Concerning coordinates, there are issues with Jefferson and Washington counties as they publish coordinates in SPC NAD27. In the past, to get Dodge County coordinates on those county line monuments, our office has located and measured those monuments. With the four other adjoining counties, coordinates do not come up as an issue since they are using county coordinate systems. The only question that comes up is what adjustment of NAD83 is each county using; Dodge County uses NAD 83/91.

### 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.
- Critical need for maintenance of accurate and complete PLSS monumentation by County and all relying on this data. This is the foundation of the land information system.

### Objectives/Measure of Success

- Benchmark 4 (Completion and Integration of PLSS) is **complete** for Dodge County. Our goal is continuation of our maintenance program.

### Project Timeframes

- Ongoing maintenance

### Responsible Parties

- Senior Land Surveyor and Senior Survey and Mapping Specialist are responsible for the various aspects of the main under general direction of the Manager of Land Information/LIO.

### Estimated Budget Information

- \$0 – In-house staff time

## Project #1: Complete Implementation of Real Property, Tax, Permitting and Public Access Application System (LIMS) - 2019

### Project Description/Goal

- Complete implementation of Land Information Management System (LIMS) with GCS. This integrated system replaced the legacy AS400 assessment/tax system (1996-2016) with a fully integrated land information management system (LIMS) solution to improve the property



assessment and taxation process and become more efficient, more accessible and more responsive to the needs of local municipalities and citizens. This solution has significantly reduced the duplicate entry of land records information received from the Register of Deeds Office and has allowed for more efficient and accurate transfer and use of this information for many other purposes including parcel and assessment administration, personal property, tax billing and collection, tax parcel mapping, and permitting (Land Use and Sanitary permits). The system also provides an internet-based land records search tool which can be integrated with document images and mapping. It also integrates with eRETR (electronic transfer return) on the Department of Revenue (DOR) website which ensures more efficient and effective data sharing with local assessors, municipal clerks and the DOR. This solution has helped to increase day-to-day operating efficiency and improve access to land records.

- **Land Info Spending Category:** Software

### Business Drivers

- Need to integrate land information and workflows between land records-related offices (Register of Deeds, Property Description, Treasurer, Code Administration) in support of property assessment and tax billing and collection. In addition, hope to integrate the sanitary and land use permitting/tracking process; provides an integrated internet-based land records search tool for professional and public access. Integrates with existing technology providers such as TriMin and File Director and has ability to integrate with Department of Revenue.

### Objectives/Measure of Success

- Ability of Property Description Office and Treasurer's Office to meet state mandated requirements to support the assessment process and tax billing/collection.

### Project Timeframes

- Ongoing

### Responsible Parties

- Manager of Land Information/LIO, Land Information Specialist I; County Treasurer, Register of Deeds

### Estimated Budget Information

- \$0 – In-house staff time

## Project #2: Tax Parcel Mapping Improvement Project- Parcel Maintenance

### Project Description/Goal

- Update and improve locational accuracy of mapping in all cities and villages of Dodge County. Multiple Phase project with Phases I and II completed with accurate mapping in all unincorporated areas of the county (24 towns). To date, as part of Phase III, the following cities and villages have been mapped: City of Watertown, City of Mayville, City of Horicon, City of Juneau, Village of Lomira, Village of Iron Ridge, Village of Clyman, and Village of Lowell. The goal has been to reduce duplication of effort, provide a common base from which everyone can work, allow more time for work on other tasks and improve locational accuracy. The tax parcel mapping completed is not intended to be used as a substitute for a certified land surveyor to guarantee title to property. Information directing users to the original source material or recorded instruments is/will be included in the metadata or attribute data.
- **Land Info Spending Category:** Digital Parcel Mapping

### Business Drivers

- Requirement for Strategic Initiative grant eligibility and to meet user needs, public and private sector. Support accurate assessment.

## Objectives/Measure of Success

- Completion of updated and more accurate

## Project Timeframes

- On-going

## Responsible Parties

- Manager of Land Information/LIO, Senior Cartographer and Senior Survey and Mapping Specialist

## Estimated Budget Information

- \$0 – In-house staff time

## Project #3: Development and coordination of countywide including development of accurate point address layer

### Project Description/Goal

- Develop a comprehensive address point dataset countywide. Update and improve locational accuracy of point address locations in all cities and villages of Dodge County. Confident that accurate mapping of point addresses is complete and maintained in all unincorporated areas of the county (24 towns).
- **Land Info Spending Category:** Address Points

### Business Drivers

- A comprehensive address point dataset will be used for the following:
  - 911 Computer Aided Dispatch (CAD) address verification, location and routing;
  - Reference data for use in mobile CAD that is used by fire, EMS and law enforcement;
  - Sheriff and municipal police department record management and analysis.
  - Emergency Management and facilities locating services.
  - County and municipal voter registration reporting.
  - Improved inventory of address points for Dodge County Land Information and municipal addressing authorities.

### Objectives/Measure of Success

- Develop a complete and accurate point address layer for Dodge County to support 911 Communications, Land Resources and Parks Department Divisions and support statewide parcel mapping efforts

### Project Timeframes

- Ongoing

### Responsible Parties

- Manager of Land Information, GIS Administrator, Senior Cartographer, Land Information Specialist

### Estimated Budget Information

- \$0 – In-house staff time

## Project #4: Support of Dodge County Sheriff's Office (DCSO)

### Project Description/Goal

- Continued support of Communications Center, Crash and Crime Scene Investigation Teams, Child Abduction Response Team (CART)
- **Land Info Spending Category:** Digital Parcel Mapping

### Business Drivers

- Need to provide GIS data and mapping support for Dodge County Communications Center (currently with New World Systems but transitioning to Spillman in 2017-2018);

- Need to provide GIS data and mapping support for Dodge County Patrol (Mobile app currently with New World Systems but transitioning to Spillman in 2017-2018);
- Needed support for high tech tools (initial purchase of Leica Robotic Total Station and annual maintenance) to accurately investigate crash and crime scenes and provide indisputable courtroom exhibits to prove cases;
- Provide GIS data, mapping and browser-based applications to support for Dodge County Child Abduction Response Team (CART) to ensure organized and complete response to missing or abducted children

### Objectives/Measure of Success

- Swift locational response by dispatchers and first responders; successful use of user friendly application developed to help Jail Administrators quickly pin point locations of known sexual predators registered in Dodge County

### Project Timeframes

- On-going and as requested

### Responsible Parties

- GIS Administrator, Land Information Specialist I and Manager of Land Information/LIO

### Estimated Budget Information

- \$0 – In-house staff time

## Project #5: GIS Web Mapping Tool Enhancements (ADC developed and hosted)

### Project Description/Goal

- To increase functionality of and add access to more layers of data from interactive GIS mapping tool; improve customer service and response time
- **Land Info Spending Category:** Website Development/Hosting Services

### Business Drivers

- Professional users (surveyors) needing better access to survey images including unrecorded documents such as plats of survey, tie sheets and field notes and geographic search for pdf formatted tax parcel maps produced in support of assessment process
- This tool is heavily accessed by government and professional users and the public to spatially locate and print GIS data layers and attribute information online with access 24/7. Links to other Dodge County internet based applications are integrated in so users have access to a much wider range of information that allows staff in multiple offices more time to perform other mission critical tasks.

### Objectives/Measure of Success

- Development of additional tabs on interactive GIS Web Mapping Tool to support Survey and Tax Maps

### Project Timeframes

- Ongoing

### Responsible Parties

- GIS Administrator, Senior Land Surveyor, Senior Cartographer, Senior Survey and Mapping Specialist, Manager of Land Information/LIO, Land Information Specialist I

### Estimated Budget Information

- \$7050 – estimate for 3 years of service by ADC

## Project #6: Imaging and Indexing of Permit Files for Code Administration

### Project Description/Goal

- On-going need to image current and historical records associated with permit-related records for electronic retrieval and archival in File Director and Land Information Management System including public access.
- **Land Info Spending Category:** Administrative Activities and Management

### Business Drivers

- Scanning capability provides safe archival and storage (in digital format either on CD or to a network drive) of a wide variety of hardcopy map documents and one-of-a-kind original documents (especially, original, hand written documents) for easy retrieval and output. Dodge County lost over 30 years of real estate records in a fire in the 1800s.
- The added benefits of increased office efficiency and improved quality of output (direct prints, not copies) for existing departmental requirements.

### Objectives/Measure of Success

- Imaging of historic permits for additional towns; scanning as new permits are received.

### Project Timeframes

- On-going as staff workload permits;
- Summer and breaks during school year for intern

### Responsible Parties

- Land Resources and Parks Office Manager and support staff

### Estimated Budget Information

- \$21,000 for imaging intern over 3 years

## Project #7: GIS Support of Parks and Trails

### Project Description/Goal

- Assist Parks and Trails staff with GIS technology for interactive mapping and inventory of facilities, trees and other significant features. Investigate use of mobile devices.
- **Land Info Spending Category:** Other – GIS Support

### Business Drivers

- Need to better locate, inventory and manage park assets; assess Emerald Ash Bore damage; better use of limited resources.

### Objectives/Measure of Success

- Improved administration of these resources; greater efficiency in accessing records.

### Project Timeframes

- On-going as staff workload permits;

### Responsible Parties

- Director of Land Resources and Parks, GIS Administrator, Parks Supervisor, Parks Foreman

### Estimated Budget Information

- \$0 – In-house staff time

## Project #8: Mobile Field Data Collection

### Project Description/Goal

- Investigate use of mobile GPS/GIS technology to access, collect and maintain land information during field operations by code and parks staff. Anticipate reduction in redundant data entry as information would be entered directly from the field using tablet, laptop or phone connections.
- **Land Info Spending Category:** Hardware

### Business Drivers

- Reduce duplicate data entry and time required for transcription of handwritten data into the system as updates can be made directly from the field depending on conditions.

### Objectives/Measure of Success

- Greater efficiency in data entry and accessing records.

### Project Timeframes

- Staff as workload permits; ongoing

### Responsible Parties

- Director of Land Resources and Parks, Code Administration Manager; Parks Supervisor, Parks Foreman and Land Use Inspectors

### Estimated Budget Information

- \$0 – In-house staff time

## Project #9: Building Footprints

### Project Description/Goal

Building Footprints - feature extraction as a derivative of just completed 2017 LiDAR. Will assist in development of point address data as well as improve accuracy of property tax info.

**Land Info Spending Category:** Lidar

### Business Drivers

It is anticipated that mapping building footprints will support a number of applications within the county and also at the municipal level. Will also allow location of buildings to be shown without having to use orthoimagery.

### Objectives/Measure of Success

Collection of building footprints 10' by 10' and larger

### Project Timeframes

2018-2019

### Responsible Parties

GIS Administrator, Senior Land Surveyor, Senior Cartographer, Senior Survey and Mapping Specialist, Manager of Land Information/LIO, Land Information Specialist I

### Estimated Budget Information

- \$50,000 – Consultant work to be completed in 2018

## Project #10: Continued in-house development, publication and distribution of the Dodge County Plat Book

### Project Description/Goal

To produce a high quality plat book utilizing internal staff

**Land Info Spending Category:** Digital Parcel Mapping

## Business Drivers

The public demand for hard copy maps, primarily for use in the field still exists. Dodge County is able to produce internally

## Objectives/Measure of Success

A high quality plat book that is substantially up-to-date and is an accurate reflection of land ownership at the time produced.

## Project Timeframes

2019

## Responsible Parties

GIS Administrator, Manager of Land Information/LIO, County Clerk

## Estimated Budget Information

- \$0 – In-house staff time

## Project #11: Implement the Esri Parcel Fabric Data Model and Esri's Local Government Information Model

### Project Description/Goal

Conversion of parcel maintenance from AutoCAD to Esri.

**Land Info Spending Category:** Digital Parcel Mapping

### Business Drivers

Dodge County hopes to achieve efficiencies in service by eliminating duplications in efforts for parcel data maintenance. Also to consolidate available information into one mapping site for use by internal and external users.

### Objectives/Measure of Success

Less time spent maintaining parcels

### Project Timeframes

2018-2019

### Responsible Parties

GIS Administrator, Senior Land Surveyor, Senior Cartographer, Senior Survey and Mapping Specialist, Manager of Land Information/LIO, Land Information Specialist I

### Estimated Budget Information

- \$0 – In-house staff time

## Project #12: Development of user specific GIS applications

### Project Description/Goal

To provide project based GIS application for internal staff and external users.

**Land Info Spending Category:** Website Development/Hosting Services

### Business Drivers

Is a need for consumers of our data to have a platform where information is easily discovered and useful

### Objectives/Measure of Success

Are able to develop a website that is frequently used by internal and external users and that is capable of delivering desired information in a concise and usable format

### Project Timeframes

Ongoing

## Responsible Parties

Director of Land Resources and Parks, GIS Administrator, Manager of Land Information/LIO, Land Information Specialist I

## Estimated Budget Information

- \$0 – In-house staff time

# Project #13: Support of Dodge County Emergency Management Office

## Project Description/Goal

Continued support of the Emergency Management Office and HAZMAT team through development and use of mobile and web mapping applications.

**Land Info Spending Category:** Digital Parcel Mapping

## Business Drivers

Need to provide GIS data, mapping, printing and browser-based applications to support Dodge County Emergency Management and/or HAZMAT Team to ensure organized and complete response to local emergencies/disasters

## Objectives/Measure of Success

Successful development of functional GIS applications to create just in time maps needed during local emergencies and to provide swift locational response by Emergency Management HAZMAT and first responders in Dodge County

## Project Timeframes

On-going and as requested

## Responsible Parties

GIS Administrator, Land Information Specialist I and Manager of Land Information/LIO

## Estimated Budget Information

\$0 – In-house staff time

# Completed Projects

- **Project Plan to Maintain Searchable Format (Benchmarks 1 & 2)**
- **Project Plan for Parcel Completion (Benchmark 3)**
- **Project Plan for PLSS (Benchmark 4)**

Anticipate additional projects to be moved to completed prior to final approval by Land Information Council and DOA.

## Estimated Budget Information (All Projects)

### Estimated Budget Information

Project Title	Item	Unit Cost/Cost	Land Info Plan Citations Page # or section ref.	Project Total
1) <b>Project #1: Complete Implementation of Real Property, Tax, Permitting and Public Access Application System (LIMS) - 2019</b>	Manager of Land Information/LIO, Land Information Specialist I; County Treasurer, Register of Deeds	Staff Time – to be determined	Page 2, 14, 31, 39	–
2) <b>Project #2: Tax Parcel Mapping Improvement Project- Parcel Maintenance</b>	Manager of Land Information/LIO, Senior Cartographer and Senior Survey and Mapping Specialist	Staff Time – to be determined	Pages 2, 3, 12, 13, 14, 26, 28, 33, 40	–
3) <b>Project #3: Development and coordination of countywide including development of accurate point address layer</b>	• Manager of Land Information, GIS Administrator, Senior Cartographer, Land Information Specialist I	Staff Time – to be determined	40, 41, 43	
4) <b>Project #4: Support of Dodge County Sheriff's Office (DCSO)</b>	GIS Administrator, Land Information Specialist I and Manager of Land Information/LIO	Staff Time – to be determined	2, 3, 6, 25, 28, 29, 39,40, 41	
5) <b>Project #5: GIS Web Mapping Tool Enhancements (ADC developed and hosted)</b>	GIS Administrator, Senior Land Surveyor, Senior Cartographer, Senior Survey and Mapping Specialist, Manager of Land Information/LIO, Land Information Specialist I	\$2350 – per year of service by ADC	2, 3, 32, 33, 39, 41, 42	\$7050
6) <b>Project #6: Imaging and Indexing of Permit Files for Code Administration</b>	Land Resources and Parks Office Manager and support staff	\$7000 per year for imaging intern	2, 3, 14, 42	\$21,000
7) <b>Project #7: GIS Support of Parks and Trails</b>	Director of Land Resources and Parks, GIS Administrator, Parks Supervisor, Parks Foreman	Staff Time – to be determined	2, 3, 20, 26, 43	
8) <b>Project #8: Mobile Field Data Collection</b>	Director of Land Resources and Parks, Code Administration Manager; Parks	Staff Time – to be determined	2, 3, 41, 43	



	Supervisor, Parks Foreman and Land Use Inspectors			
<b>9) Project #9: Building Footprints</b>	GIS Administrator, Senior Land Surveyor, Senior Cartographer, Senior Survey and Mapping Specialist, Manager of Land Information/LIO, Land Information Specialist I	\$50,000 (anticipated to be completed in 2018)	2, 4, 16, 19, 43, 44	\$50,000
<b>10) Project #10: Continued in-house development, publication and distribution of the Dodge County Plat Book</b>	GIS Administrator, Manager of Land Information/LIO, County Clerk	Staff Time – to be determined	2, 4, 33, 44	
<b>11) Project #11: Implement the Esri Parcel Fabric Data Model and Esri's Local Government Information Model</b>	GIS Administrator, Senior Land Surveyor, Senior Cartographer, Senior Survey and Mapping Specialist, Manager of Land Information/LIO, Land Information Specialist I	\$24,000 (anticipated to be completed in 2018)	2, 4, 5, 13, 20, 28, 37, 38, 44	\$24,000
<b>12) Project #12: Development of user specific GIS applications</b>	Director of Land Resources and Parks, GIS Administrator, Manager of Land Information/LIO, Land Information Specialist I	Staff Time – to be determined	2, 4, 45	
<b>13) Project #13: Support of Dodge County Emergency Management Office</b>	GIS Administrator, Land Information Specialist I and Manager of Land Information/LIO	Staff Time – to be determined	2, 3, 4, 6, 25, 40, 45	
<b>GRAND TOTAL</b>				<b>\$102,050</b>

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



STATE OF WISCONSIN  
DEPARTMENT OF ADMINISTRATION

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

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

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

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

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

There are four benchmarks for parcel data:

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

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

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

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

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

**How to Fill Out and Submit This Form:**

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

## Training & Education Grant Application Instructions

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

## Strategic Initiative Grant Application Instructions

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

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

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



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

## Strategic Initiative Grant Application Instructions (Continued)

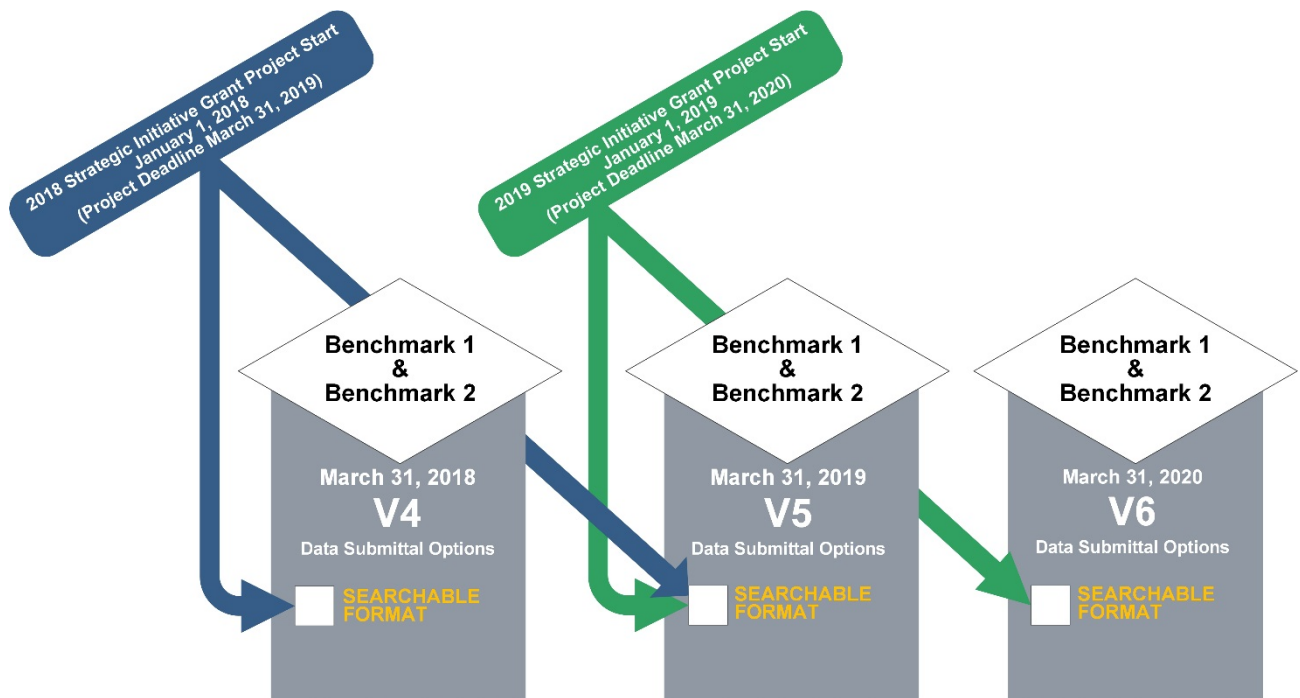


Figure 2. Strategic Initiative grant project timeline, where projects can span a calendar year plus one quarter

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## Base Budget Grant Application Instructions

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

Projects must fall under one of the following categories:

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

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

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

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



## 2019 Grant Eligibility Table

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



### 2019 WLIP Training & Education Grant Application

County:

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

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

LIO Name (typed)

Date (dd/mm/yyyy)



## 2019 WLIP Strategic Initiative Grant Application

County:

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

**BENCHMARK 1 & BENCHMARK 2**

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

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

6. Benchmark 1 and 2 Project Activities ▼     Costs ▼

7. Benchmark 1 and 2 Total Costs ▶			

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

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

**BENCHMARK 3**

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

Yes, parcel fabric complete

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

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

Yes

No ▶ Skip down to #15 below

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

--

13. Benchmark 3 Project Activities ▼

Costs ▼

		14. Benchmark 3 Total Costs ▶	

**BENCHMARK 4**

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

Yes, PLSS network complete and integrated

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

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

No / Not Applicable

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

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

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

Yes

No ▶ Skip down to #21 below

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

--

19. Benchmark 4 Project Activities ▼

Costs ▼

		20. Benchmark 4 Total Costs ▶	

**OTHER COUNTY-LEVEL STRATEGIC INITIATIVE PROJECTS**

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

- Yes
- No

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

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

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

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

**24. Statement and Authorization of Land Information Officer**

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

LIO Name (typed)

Date (dd/mm/yyyy)



## 2019 WLIP Base Budget Grant Application

County:

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

2. Base Budget Award Amount Requested \$

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

4. Land Information Spending Category:

5. Land Information Plan Citations – Section and page numbers

6. Project Activities ▼

Costs ▼


7. Base Budget Project 1 Total ▶

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

9. Land Information Spending Category:

10. Land Information Plan Citations – Section and page numbers

11. Project Activities ▼

Costs ▼


12. Base Budget Project 2 Total ▶

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

14. Land Information Spending Category:

15. Land Information Plan Citations – Section and page numbers

16. Project Activities ▼

Costs ▼

		17. Base Budget Project 3 Total ▶	

**18. Base Budget Grant Project Title 4**

19. Land Information Spending Category:

20. Land Information Plan Citations – Section and page numbers

21. Project Activities ▼

Costs ▼

		22. Base Budget Project 4 Total ▶	

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

\$

**24. Statement and Authorization of Land Information Officer**

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

LIO Name (typed)

Date(dd/mm/yyyy)

## 2019 WLIP Grant Application Addendum

County:

Select Addendum Type:

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

**1. Project Title 1**

2. Land Information Spending Category:

3. Land Information Plan Citations – Section and page numbers

4. Addendum Project 1 Activities ▼

Costs ▼

		5. Addendum Project 1 Total ▶	

**6. Project Title 2**

7. Land Information Spending Category:

8. Land Information Plan Citations – Section and page numbers

9. Addendum Project 2 Activities ▼

Costs ▼

		10. Addendum Project 2 Total ▶	

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



## 2019 WLIP Grant Application Addendum II

County:

Select Addendum Type:

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

**1. Project Title 1**

2. Land Information Spending Category:

3. Land Information Plan Citations – Section and page numbers

**4. Addendum Project 1 Activities ▼ Costs ▼**

<b>5. Addendum Project 1 Total ▶</b>			

**6. Project Title 2**

7. Land Information Spending Category:

8. Land Information Plan Citations – Section and page numbers

**9. Addendum Project 2 Activities ▼ Costs ▼**

<b>10. Addendum Project 2 Total ▶</b>			

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

## 2019 WLIP Grant Application Addendum III

County:

Select Addendum Type:

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

**1. Project Title 1**

2. Land Information Spending Category:

3. Land Information Plan Citations – Section and page numbers

**4. Addendum Project 1 Activities ▼                      Costs ▼**

<b>5. Addendum Project 1 Total ▶</b>			

**6. Project Title 2**

7. Land Information Spending Category:

8. Land Information Plan Citations – Section and page numbers

**9. Addendum Project 2 Activities ▼                      Costs ▼**

<b>10. Addendum Project 2 Total ▶</b>			

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

Summary of WLIP Revenues from Retained Fees and Grants (October 1, 1990 - November 30, 2018)

12/11/2018

Year	# Docs	LIO	Grant			Purpose
			Public Access	*CB grant	**ET grant	
1990	2,731	10,922	0		300	
1991	9,088	36,350	0		300	
1992	16,404	65,616	0	100,000	300	2 grants for remonumentation
1993	17,556	70,224	0		300	
1994	16,128	64,512	0		300	
1995	15,538	62,152	0	93,000	300	NAPP aerials and soils
1996	18,329	73,316	0		300	
1997	17,908	71,632	0	27,228	300	parcel mapping of 4 towns/City of Fox Lake/LTE (Eileen Borth)
1998	23,905	95,620	0	10,562	300	workstation/CAD/LTE for PIN insertion
1999	22,474	89,896	0	41,701	300	orthos for 102 sections
2000	17,266	69,065	0	17,451	300	1,387 CB-orthos for 50 sections / SIG-metadata software
2001	24,946	99,782	8,711	11,919	300	14,300 upgrade Arc, Spatial Analyst maint, LTE, NT Client Server licenses/SIG-web data
2002	28,954	115,816	28,954	24,823	300	LRST, upgrade Arc to 8.3staff, staff, LTE, color upgrade to Xerox 8830
2003	36,072	144,287	36,118		300	
2004	25,063	100,252	25,063		300	
2005	23,089	92,356	23,089		300	
2006	20,920	83,680	20,920		300	* Contribution-Based (CB)
2007	19,195	76,780	19,195		300	** Education and Training (ET) increased to \$1000 January 01, 2015
2008	17,356	69,424	17,348		300	*** Strategic Initiative (SI)
2009	19,102	76,408	19,102		300	
2010	17,182	88,588	27,110		300	increased effective with enactment of Act 314 June 25, 2010
2011	15,035	90,210	30,070		300	
2012	18,071	108,408	36,136		300	
2013	15,063	90,378	30,126		300	
2014	12,070	72,420	24,140		300	
2015	13,242	79,452	26,484		1,000	
2016	13,402	107,216	NA		1,000	25,000 50% of 2016 grant rec'd for LiDAR
2017	13316	106,528	NA		1,000	50,000 50% of 2016 grant and 50% of 2017 grant rec'd for LiDAR
2018	11509	92,072	NA	11/30/18	1,000	75,000 50% of 2017 grant rec'd for LiDAR + \$50,000 grant rec'd for Bldg Footprints
2019			NA			
<b>TOTAL</b>	<b>520,914</b>	<b>2,403,362</b>	<b>372,566</b>	<b>326,684</b>	<b>11,500</b>	<b>165,687</b>

FUND BALANCE December 31, 2017	
LIO	\$ 144,651
Public Access	\$ -
C/P/S	\$ 19,927
<b>Total</b>	<b>164,578</b>
<b>Committed 2018</b>	
<b>Uncommitted</b>	<b>164,578</b>

**LIO** \$6 for first page of each recorded document for modernization of land records (increased by \$2 June 25, 2010 with Act 314; original establishment October 1, 1990)  
**Public Access** \$2 for first page of each recorded document for improving public access to housing data (increased by \$1 June 25, 2010 with Act 314; original establishment September 1, 2001)  
**Grants** \$2 for first page of each recorded document returned to WI-DOA for distribution as grants and program administration (January 1, 2015 increased to \$7)

<b>TOTALS</b>	<b>3,279,799</b>	<b>2,775,928 from retained fees</b>
	<b>from WLIP</b>	<b>503,871 from grants</b>